UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

July 15, 2011

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

FROM: for Marvelyn Humphrey, ESAT Regional Project Officer
Environmental Services Branch (6MD-H)

TO: Vincent Malott, Superfund Project Manager (6SF-RA)

Site : WEST CR 112 GROUND WATER

Case#: 41345

SDG#: MF4Q23

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2140.

650849

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: July 14, 2011

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Sonya Meekins, Data Reviewer, ESAT

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ

SUBJECT: CLP Data Review

Contract No.:	EP-W-06-030
TO No.:	024
Task/Sub-Task:	2-12
ESAT Doc. No.:	A024-212-0032
TDF No.:	6-10-502A
ESAT File No.:	I-0398

Attached is the data review summary for Case # 41345
SDG # MF4Q23
Site West CR 112 Ground Water

COMMENTS:

I. LEVEL OF DATA REVIEW

Modified CADRE review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS found the data package contractually compliant.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

Some results were qualified because of technical problems. The significant problem is addressed below.

The arsenic serial dilution difference was above the QC limit.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	41345	SITE	West CR 112 Ground Water
LABORATORY	CHEM	NO. OF SAMPLES	18
CONTRACT#	EP-W-09-038	MATRIX	Water
SDG#	MF4Q23	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.2	REVIEWER'S NAME	Sonya Meekins
SF#	302DD2CA6R6	COMPLETION DATE	July 14, 2011

SAMPLE NO.					
	MF4Q13	MF4Q21	MF4Q25	MF4Q29	MF4Q59
	MF4Q17	MF4Q22	MF4Q26	MF4Q30	MF4Q60
	MF4Q19	MF4Q23	MF4Q27	MF4Q31	
	MF4Q20	MF4Q24	MF4Q28	MF4Q58	

DATA ASSESSMENT SUMMARY

		ICP
1.	HOLDING TIMES	O
2.	CALIBRATIONS	O
3.	BLANKS	M
4.	MATRIX SPIKES	O
5.	DUPLICATE ANALYSIS	M
6.	ICP QC	M
7.	LCS	O
8.	SAMPLE VERIFICATION	O
9.	OTHER QC	N/A
10.	OVERALL ASSESSMENT	M

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS:

AREAS OF CONCERN: Some aluminum, copper, manganese, and nickel results were affected by laboratory blank concentrations. The zinc laboratory duplicate difference was greater than 20 percent. The arsenic serial dilution difference was greater than 10 percent.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 41345 SDG MF4Q23 SITE West CR 112 Ground Water LAB CHEM

COMMENTS: This SDG consisted of 18 water samples for total metals (by ICP-MS) analysis following SOW ISM01.2. The sampler designated sample MF4Q22 for laboratory QC analyses.

The target analyte of concern was chromium with a desired detection limit of 2 ug/L. All samples met the user's desired detection limit criterion. Chromium was reported at concentrations over the user's desired detection limit for all samples. All samples were diluted up to 50X and reanalyzed because the calcium and/or sodium concentrations were above the calibration ranges.

Modified CADRE Review was performed for this package as requested by the Region. For this review option, the CCS and CADRE primarily determine the laboratory contractual compliance and the technical usability of the sample results, respectively. The reviewer performs supplemental hardcopy forms checking and applies Region 6 guidelines, where necessary, to account for known limitations of the electronic review process. Therefore, the reviewer's final assessments may deviate from those found in the CADRE report. The CADRE narrative for the SDG is attached to this report as an addendum for additional information.

DATA ASSESSMENT: The QC problems affecting data usability are addressed below.

- The reviewer qualified the results >CRQLs for the following analytes as estimated and high biased because of laboratory blank concentrations: aluminum in sample MF4Q17 and nickel in samples MF4Q21, MF4Q25, MF4Q26, MF4Q27, MF4Q28, and MF4Q60.

- Because of blank readings, the reviewer qualified the results >CRQLs for the following analytes as undetected ("U"-flagged), and the reported concentrations should be used as raised QLs ("C"-flagged): copper in sample MF4Q23; manganese in samples MF4Q26 and MF4Q58; and nickel in samples MF4Q30 and MF4Q31.

- As a result of laboratory blank concentrations, all results <CRQLs for the following analytes should be considered undetected and were flagged "U" at the CRQLs on the DST: aluminum, antimony, cadmium, cobalt, copper, iron, lead, manganese, and silver.

- The reviewer qualified the zinc results as estimated because the zinc laboratory duplicate difference was above the technical QC limit.

- The reviewer qualified the arsenic results as estimated because the arsenic serial dilution difference was above the QC limit.

INORGANIC QA REVIEW
CONTINUATION PAGE

CASE 41345 SDG MF4Q23 SITE West CR 112 Ground Water LAB CHEM

OVERALL ASSESSMENT: Some results for all samples were qualified because of problems with laboratory blank concentrations, a laboratory duplicate difference, and/or a serial dilution difference. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist. The DST included in this report is the final version.

INORGANIC ACRONYMS

CADRE	Computer-Aided Data Review and Evaluation
CCB	Continuing Calibration Blank
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CN	Cyanide
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DST	Data Summary Table
HG	Mercury
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP-AES	Inductively Coupled Plasma-Atomic Emission Spectroscopy
ICP-MS	Inductively Coupled Plasma-Mass Spectrometry
ICS	Interference Check Sample
ICV	Initial Calibration Verification
LCS	Laboratory Control Sample
MDL	Method Detection Limit
NFG	National Functional Guidelines
PE	Performance Evaluation
%D	Percent Difference
%R	Percent Recovery
%RI	Percent Relative Intensity
%RSD	Percent Relative Standard Deviation
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RPD	Relative Percent Difference
RSCC	Regional Sample Control Center
SDG	Sample Delivery Group
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
TAL	Target Analyte List

HEADER DEFINITIONS FOR INORGANIC EXCEL DST

CASE:	Case Number
SDG:	SDG Number
EPASAMP:	EPA Sample Number
LABID:	Laboratory File/Sample ID
MATRIX:	Sample Matrix
QCCOD:	Sample QC Code
SMPQUAL:	Sample Qualifier
ANDATE:	Sample Analysis Date
ANTIME:	Sample Analysis Time
CASNUM:	Compound CAS Number
ANALYTE:	Compound Name
CONC:	Compound Concentration
VALDQAL:	Region 6 Inorganic Data Validation Qualifier (see Inorganic Data Qualifier Definitions on the next page)
UNITS:	Concentration Units
ADJCRQL:	Adjusted Contract Required Quantitation Limit Value
SMPDATE:	Sampling Date
PRPDATE:	Sample Preparation Date
LRDATE:	Laboratory Receipt Date
LEVEL:	Sample Level
PERSOLD:	Sample Percent Solids
SMPWTVL:	Sample Weight (Soil Samples)/Initial Sample Volume (Water Samples)
FINLVOL:	Final Sample Volume
METHOD:	Method of Analysis
STATLOC:	Station Location

Disclaimer: **ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, ADJCRQL, VALDQAL, and PERSOLD. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.**

INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

L Reported concentration is between the MDL and the CRQL.

J Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.

R Result is unusable.

F A possibility of a false negative exists.

UC Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.

+ High biased. Actual concentration may be lower than the concentration reported.

- Low biased. Actual concentration may be higher than the concentration reported.

W The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSO	SMPW	FINVC	METH	STATLOC
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440382	Arsenic	9.7	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440393	Barium	25.0		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7440702	Calcium	197000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:29:55	7440473	Chromium	4460		ug/L	50.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440508	Copper	429		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7439896	Iron	260		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7439921	Lead	44.0		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7439954	Magnesium	52600		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440020	Nickel	4.5		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7440097	Potassium	6000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7782492	Selenium	13.8		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:53:20	7440235	Sodium	279000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440622	Vanadium	26.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440666	Zinc	385	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7429905	Aluminum	20.6	J+	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440382	Arsenic	13.4	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440393	Barium	41.8		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/05/2011	00:39:07	7440702	Calcium	188000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440473	Chromium	719		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440508	Copper	89.2		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7439896	Iron	221		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7439921	Lead	2.2		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7439954	Magnesium	61700		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7439965	Manganese	3.5		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440020	Nickel	2.5		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440097	Potassium	5940		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7782492	Selenium	16.9		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/05/2011	00:39:07	7440235	Sodium	314000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440622	Vanadium	49.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440666	Zinc	60.3	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7429905	Aluminum	20.0	U	ug/L	20.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440360	Antimony	2.0	U	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440382	Arsenic	13.3	J	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440393	Barium	45.6		ug/L	10.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440417	Beryllium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440439	Cadmium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	21:05:47	7440702	Calcium	205000		ug/L	12500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440473	Chromium	1250		ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440484	Cobalt	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440508	Copper	82.0		ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7439896	Iron	232		ug/L	200	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7439921	Lead	7.1		ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7439954	Magnesium	83000		ug/L	500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7439965	Manganese	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440020	Nickel	3.4		ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440097	Potassium	9020		ug/L	500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7782492	Selenium	14.8		ug/L	5.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440224	Silver	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045

41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	21:05:47	7440235	Sodium	249000		ug/L	12500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440280	Thallium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440622	Vanadium	36.3		ug/L	5.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440666	Zinc	83.4	J	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440382	Arsenic	6.5	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440393	Barium	63.2		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440702	Calcium	196000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440473	Chromium	1190		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440508	Copper	346		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7439896	Iron	253		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7439921	Lead	40.8		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7439954	Magnesium	39900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7439965	Manganese	7.1		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440020	Nickel	31.0		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440097	Potassium	8070		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7782492	Selenium	14.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	01:26:36	7440235	Sodium	193000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440622	Vanadium	14.1		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440666	Zinc	1970	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440382	Arsenic	12.5	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440393	Barium	66.5		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440702	Calcium	178000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440473	Chromium	323		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440508	Copper	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7439896	Iron	204		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7439954	Magnesium	57500		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7439965	Manganese	3.0		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440020	Nickel	1.9	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440097	Potassium	2960		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7782492	Selenium	17.7		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	17:29:37	7440235	Sodium	166000		ug/L	25000	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440622	Vanadium	43.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440666	Zinc	5.5	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7429905	Aluminum	20.0	U	ug/L	20.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440360	Antimony	2.0	U	ug/L	2.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440382	Arsenic	8.4	J	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440393	Barium	51.1		ug/L	10.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440417	Beryllium	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440439	Cadmium	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440702	Calcium	165000		ug/L	500	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440473	Chromium	49.0		ug/L	2.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440484	Cobalt	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440508	Copper	2.0	U	ug/L	2.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7439896	Iron	200	U	ug/L	200	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7439921	Lead	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7439954	Magnesium	54100		ug/L	500	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7439965	Manganese	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440020	Nickel	2.6		ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD

41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440097	Potassium	6200		ug/L	500	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7782492	Selenium	14.8		ug/L	5.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440224	Silver	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:51:40	7440235	Sodium	216000		ug/L	12500	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440280	Thallium	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440622	Vanadium	38.2		ug/L	5.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440666	Zinc	7.0	J	ug/L	2.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7429905	Aluminum	20.0	U	ug/L	20.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440360	Antimony	2.0	U	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440382	Arsenic	5.0	J	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440393	Barium	51.8		ug/L	10.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440417	Beryllium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440439	Cadmium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:57:51	7440702	Calcium	239000		ug/L	12500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440473	Chromium	309		ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440484	Cobalt	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440508	Copper	2.2	UC	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7439896	Iron	239		ug/L	200	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7439921	Lead	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7439954	Magnesium	31200		ug/L	500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7439965	Manganese	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440020	Nickel	3.9		ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440097	Potassium	5980		ug/L	500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7782492	Selenium	17.5		ug/L	5.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440224	Silver	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:57:51	7440235	Sodium	234000		ug/L	12500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440280	Thallium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440622	Vanadium	13.0		ug/L	5.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440666	Zinc	4.1	J	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440382	Arsenic	10.2	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440393	Barium	66.4		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:42:28	7440702	Calcium	194000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440473	Chromium	141		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440508	Copper	225		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7439896	Iron	238		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7439921	Lead	14.8		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7439954	Magnesium	52200		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440020	Nickel	3.1		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440097	Potassium	6880		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7782492	Selenium	15.8		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:42:28	7440235	Sodium	237000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440622	Vanadium	39.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440666	Zinc	223	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440382	Arsenic	11.1	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440393	Barium	36.8		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440702	Calcium	199000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440473	Chromium	557		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440508	Copper	2.5		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7439896	Iron	219		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091

41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7439954	Magnesium	59100		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440020	Nickel	1.8	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440097	Potassium	6650		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7782492	Selenium	16.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:50:25	7440235	Sodium	290000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440622	Vanadium	36.6		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440666	Zinc	8.4	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440382	Arsenic	11.1	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440393	Barium	49.3		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	21:29:25	7440702	Calcium	193000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440473	Chromium	522		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440508	Copper	6.5		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7439896	Iron	214		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7439954	Magnesium	54900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7439965	Manganese	1.6	UC	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440020	Nickel	1.6	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440097	Potassium	6680		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7782492	Selenium	13.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	21:29:25	7440235	Sodium	265000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440622	Vanadium	41.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440666	Zinc	66.8	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440382	Arsenic	10.8	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440393	Barium	47.0		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440702	Calcium	185000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440473	Chromium	476		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440508	Copper	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7439896	Iron	205		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7439954	Magnesium	49900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7439965	Manganese	2.4		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440020	Nickel	1.8	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440097	Potassium	5970		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7782492	Selenium	14.6		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	22:16:48	7440235	Sodium	248000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440622	Vanadium	37.1		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440666	Zinc	74.1	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440382	Arsenic	12.1	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440393	Barium	48.6		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	22:24:43	7440702	Calcium	214000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440473	Chromium	259		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093

41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440508	Copper	3.9		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7439896	Iron	219		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7439954	Magnesium	56900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440020	Nickel	1.7	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440097	Potassium	6700		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7782492	Selenium	17.3		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	22:24:43	7440235	Sodium	265000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440622	Vanadium	38.7		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440666	Zinc	13.8	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440382	Arsenic	11.8	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440393	Barium	44.4		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440702	Calcium	199000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440473	Chromium	108		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440508	Copper	71.9		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7439896	Iron	241		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7439921	Lead	10.4		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7439954	Magnesium	63600		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440020	Nickel	2.9		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440097	Potassium	6410		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7782492	Selenium	15.4		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	17:37:31	7440235	Sodium	231000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440622	Vanadium	47.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440666	Zinc	99.1	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440382	Arsenic	11.0	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440393	Barium	43.6		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	22:32:38	7440702	Calcium	200000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440473	Chromium	319		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440508	Copper	5.1		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7439896	Iron	214		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7439954	Magnesium	52900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440020	Nickel	1.3	UC	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440097	Potassium	7140		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7782492	Selenium	17.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	22:32:38	7440235	Sodium	269000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440622	Vanadium	37.0		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440666	Zinc	8.9	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440382	Arsenic	12.1	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440393	Barium	44.1		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097

41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440702	Calcium	180000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440473	Chromium	727		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440508	Copper	6.9		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7439896	Iron	200	U	ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7439954	Magnesium	50700		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440020	Nickel	1.1	UC	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440097	Potassium	6550		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7782492	Selenium	15.9		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:40:34	7440235	Sodium	254000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440622	Vanadium	41.0		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440666	Zinc	12.5	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:01:16	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440382	Arsenic	6.7	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440393	Barium	48.3		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:01:16	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:25:01	7440702	Calcium	241000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440473	Chromium	444		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440508	Copper	3.4		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7439896	Iron	321		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:01:16	7439954	Magnesium	38200		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7439965	Manganese	1.2	UC	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440020	Nickel	3.4		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:01:16	7440097	Potassium	7710		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7782492	Selenium	16.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:25:01	7440235	Sodium	229000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440622	Vanadium	21.4		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440666	Zinc	242	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:09:10	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440382	Arsenic	6.7	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440393	Barium	48.3		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:09:10	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:32:58	7440702	Calcium	228000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440473	Chromium	446		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440508	Copper	2.4		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7439896	Iron	299		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:09:10	7439954	Magnesium	38400		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440020	Nickel	3.1		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:09:10	7440097	Potassium	7650		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7782492	Selenium	18.0		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:32:58	7440235	Sodium	222000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440622	Vanadium	20.7		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440666	Zinc	235	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440382	Arsenic	10.7	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D

41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440393	Barium	48.0		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	23:04:15	7440702	Calcium	204000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440473	Chromium	324		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440508	Copper	15.4		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7439896	Iron	207		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7439921	Lead	1.5		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7439954	Magnesium	55200		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440020	Nickel	1.6	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440097	Potassium	7580		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7782492	Selenium	17.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	23:04:15	7440235	Sodium	268000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440622	Vanadium	38.0		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440666	Zinc	17.1	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 41345 SDG No. MF4Q23 SDG Nos. To Follow Mod. Ref. No. Date Rec 6/10/11

EPA Lab ID: CHEM

Lab location: Mountainside, NJ

Region: 6 Audit No.: 41345/MF4Q23

Resubmitted CSF? Yes No X

Box No(s): 1

COMMENTS:

Over for additional comments.

ORIGINALS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	X		
2. Intact upon receipt?	X		
FORM DC-2			
3. Numbering scheme accurate?	X		
4. Are enclosed documents listed?	X		
5. Are listed documents enclosed?	X		
FORM DC-1			
6. Present?	X		
7. Complete?	X		
8. Accurate?	X		
TRAFFIC REPORT/CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	X		
10. Dated?	X		
AIRBILLS/AIRBILL STICKER			
11. Present?	X		
12. Signed?	X		
13. Dated?	X		
SAMPLE TAGS			
14. Does DC-1 list tags as being included?	X		
15. Present?	X		
OTHER DOCUMENTS			
16. Complete?	X		
17. Legible?	X		
18. Original?		X	
18a. If "NO", does the copy indicate where original documents are located?	X		

Audited Signature — Sonya Meekins/ESAT Data Reviewer Printed Name/Title — Date 7/13/2011

Audited Signature — Printed Name/Title — Date

DC-2

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
R

Region:	6
Project Code:	
Account Code:	EP-W-06-004
CERCLIS ID:	TXN000606992
Spill ID:	
Site Name/State:	WCR 112 Groundwater Plume Site/TX
Project Leader:	LUIS VEGA
Action:	Remedial Investigation / Feasability Study Reassessment
Sampling Co:	EA Engineering, Science, and Technology,

Date Shipped:	5/19/2011
Carrier Name:	FedEx
Airbill:	7947 5858 9337
Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Sampler Signature: Alex Spill

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Alex Spill	05-19-11 1053		
2			
3			
4			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF4Q19	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356922 (HNO3) (1)	GW-045	S: 5/17/2011 17:35		--
MF4Q23	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356926 (HNO3) (1)	GW-260	S: 5/17/2011 16:13		--
MF4Q26	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356929 (HNO3) (1)	GW-092	S: 5/18/2011 9:10		--
MF4Q27	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356930 (HNO3) (1)	GW-092-D	S: 5/18/2011 9:10		Field Duplicate
MF4Q28	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356931 (HNO3) (1)	GW-093	S: 5/18/2011 9:35		--
MF4Q30	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356933 (HNO3) (1)	GW-095	S: 5/18/2011 17:22		--
MF4Q31	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356934 (HNO3) (1)	GW-097	S: 5/18/2011 8:24		--
MF4Q60	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-476516 (HNO3) (1)	GW-095-D	S: 5/18/2011 17:22		Field Duplicate

Page 16 of 18

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): Alex Spill	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type Designate: Composite = C, Grab = G	Shipment Iced? _____

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051811-0004

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

EPA USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
R

Region:	6	Date Shipped:	5/19/2011	Chain of Custody Record	Sampler Signature:
Project Code: / Account Code:	EP-W-06-004	Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID:	TXN000606992	Airbill:	7947 5859 0937	1 Alex Spill 05-19-11 1101	
Spill ID:		Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	2	
Site Name/State:	WCR 112 Groundwater Plume Site/TX			3	
Project Leader:	LUIS VEGA			4	
Action:	Remedial Investigation / Feasability Study Reassessment				
Sampling Co:	EA Engineering, Science, and Technology,				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MF4Q17	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356920 (HNO3) (1)	GW-043	S: 5/18/2011	9:31		--
MF4Q20	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356923 (HNO3) (1)	GW-046	S: 5/18/2011	14:45		--
MF4Q21	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356924 (HNO3) (1)	GW-104	S: 5/18/2011	10:15		--
MF4Q24	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356927 (HNO3) (1)	GW-029	S: 5/18/2011	11:19		--
MF4Q25	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356928 (HNO3) (1)	GW-091	S: 5/18/2011	13:13		--
MF4Q29	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356932 (HNO3) (1)	GW-094	S: 5/18/2011	10:15		--
MF4Q58	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-476040 (HNO3) (1)	GW-732	S: 5/18/2011	17:17		--
MF4Q59	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-476515 (HNO3) (1)	GW-732-D	S: 5/18/2011	17:17		Field Duplicate

Page 17 of 18

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051811-0005

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
R

Region:	6
Project Code: / Account Code:	EP-W-06-004
CERCLIS ID:	TXN000606992
Spill ID:	
Site Name/State:	WCR 112 Groundwater Plume Site/TX
Project Leader:	LUIS VEGA
Action:	Remedial Investigation / Feasability Study Reassessment
Sampling Co:	EA Engineering, Science, and Technology,

Date Shipped:	5/19/2011
Carrier Name:	FedEx
Airbill:	8735 9307 6595
Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Alex Spill	05-14-11 1041		
2			
3			
4			

Sampler Signature:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF4Q13	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356916 (HNO3) (1)	GW-047	S: 5/18/2011 15:26		--
MF4Q22	Ground Water/ JOSE FLORES	M/G	TM W L/Med (21)	6-356935 (HNO3), 6-356939 (HNO3) (2)	GW-105-MS/MD	S: 5/19/2011 8:38		--

RAP IR 0418

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MF4Q22	Additional Sampler Signature(s): Alex Spill	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med			

TR Number: 6-035226671-051911-0001

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

ADDENDUM

CADRE NARRATIVE

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Blanks

Blanks	ICP_MS
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS, MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22S, MF4Q22L, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Vanadium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Arsenic LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Calcium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29
	Chromium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Nickel LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Potassium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29
	Copper LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Lead LCS , MF4Q19 , MF4Q60 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q24 , MF4Q29 , MF4Q13
	Sodium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q24 , MF4Q25
	Barium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Cobalt LCS , MF4Q22S
	Zinc LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Aluminum LCS , MF4Q17
	Beryllium LCS , MF4Q22S
	Antimony LCS , MF4Q22S
	Thallium LCS , MF4Q22S
	Cadmium LCS , MF4Q22S
	Magnesium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29
	Silver LCS , MF4Q22S
	Manganese LCS , MF4Q26 , MF4Q27 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q21 , MF4Q58
	Iron LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q60 , MF4Q17 , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Blanks

Blanks	ICP_MS
Blanks	**ICP_MS**
NCB06	The following samples have no detected analytes. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	PBW, MF4Q58, MF4Q59, MF4Q13, MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22L, MF4Q21, MF4Q24, MF4Q25, MF4Q29
	Vanadium PBW
	Aluminum MF4Q58 , MF4Q59
	Beryllium MF4Q13 , MF4Q58 , MF4Q59
	Cadmium PBW , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
Blanks	**ICP_MS**
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22L, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Cobalt MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Zinc MF4Q22L
	Nickel MF4Q22L
	Aluminum MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q60 , MF4Q22D , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q29
	Antimony MF4Q20 , MF4Q13
	Cadmium MF4Q20
	Thallium MF4Q22L
	Copper MF4Q27 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q21
	Silver MF4Q20 , MF4Q13
	Iron MF4Q31 , MF4Q22 , MF4Q22D , MF4Q22L
	Manganese MF4Q23 , MF4Q19 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q22 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q59
	Lead MF4Q23 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q22 , MF4Q21 , MF4Q25 , MF4Q58 , MF4Q59
Blanks	**ICP_MS**
ND15	The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF4Q21, MF4Q29, MF4Q13, MF4Q58, MF4Q59

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) SDG MF4Q23 Case 41345 Contract EPW09038 Region 6 DDTID 123304 SOW ISM01.2

Data Review Reports

Blanks

Blanks	ICP_MS
	Sodium MF4Q21 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Calcium MF4Q13 , MF4Q58 , MF4Q59
	Aluminum MF4Q13
	Magnesium MF4Q13 , MF4Q58 , MF4Q59
Blanks	**ICP_MS**
NCB05	The following samples have no detected analytes. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF4Q58, MF4Q59
	Aluminum MF4Q58 , MF4Q59
Blanks	**ICP_MS**
ND06	The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS, MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22L, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59, MF4Q22S
	Calcium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Chromium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Nickel LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Potassium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Copper LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Lead LCS , MF4Q19 , MF4Q60 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q24 , MF4Q29 , MF4Q13
	Sodium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Barium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Cobalt LCS , MF4Q22S
	Zinc LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Aluminum LCS , MF4Q17
	Beryllium LCS , MF4Q22S
	Antimony LCS , MF4Q22S

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Blanks

Blanks	ICP_MS
	Thallium LCS , MF4Q22S
	Cadmium LCS , MF4Q22S
	Magnesium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Silver LCS , MF4Q22S
	Iron LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q60 , MF4Q17 , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Manganese LCS , MF4Q26 , MF4Q27 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q21 , MF4Q58
Blanks	**ICP_MS**
ND04	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs.
	MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22L, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Cobalt MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 ; MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Zinc MF4Q22L
	Nickel MF4Q22L
	Aluminum MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q60 , MF4Q22D , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q29 , MF4Q13
	Antimony MF4Q20 , MF4Q13
	Cadmium MF4Q20
	Thallium MF4Q22L
	Copper MF4Q27 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q21
	Silver MF4Q20 , MF4Q13
	Iron MF4Q31 , MF4Q22 , MF4Q22D , MF4Q22L
	Manganese MF4Q23 , MF4Q19 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q22 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q59
	Lead MF4Q23 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q22 , MF4Q21 , MF4Q25 , MF4Q58 , MF4Q59

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Detection Limit

Detection Limit	ICP_MS
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF4Q22L, MF4Q27, MF4Q22, MF4Q22D, MF4Q21, MF4Q23, MF4Q26, MF4Q28, MF4Q30, MF4Q31, MF4Q25, MF4Q58, MF4Q59, MF4Q19, MF4Q60, MF4Q17, MF4Q20, MF4Q24, MF4Q29, MF4Q13
	Nickel MF4Q22L
	Copper MF4Q27 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q21
	Lead MF4Q23 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q22 , MF4Q21 , MF4Q25 , MF4Q58 , MF4Q59
	Selenium MF4Q22L
	Cobalt MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Aluminum MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q60 , MF4Q22D , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q29 , MF4Q13
	Zinc MF4Q22L
	Antimony MF4Q20 , MF4Q13
	Thallium MF4Q22L
	Cadmium MF4Q20
	Manganese MF4Q23 , MF4Q19 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q22 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q59
	Iron MF4Q31 , MF4Q22 , MF4Q22D , MF4Q22L
	Silver MF4Q20 , MF4Q13

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Duplicates

Duplicates	ICP_MS
NI04	The following Duplicate or original sample results are less than or equal to 5xCRQL and the absolute difference between duplicate and original samples are greater than CRQL. The original sample results are greater than or equal to MDLs. Detected analytes are qualified J. Nondetected analytes are qualified UJ.
	MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Zinc MF4Q22D

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Serial Dilution

Serial Dilution	ICP_MS
NL032	The following ICP-MS Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected analytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ.
	MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Arsenic MF4Q22L

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME **CHEMTECH CONSULTING GROUP, INC.**
CITY/STATE **MOUNTAINSIDE, NJ**

CASE NO. **41345** SDG NO. **MF4Q23**
SDG NOs TO FOLLOW
NRAS NO.

CONTRACT NO. **EPW09038**
SOW NO. **ISM01.2**

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

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK REGION
1. Inventory Sheet (DC-2)	1	2	√	
2. SDG Narrative	3	4	√	
3. Sample Log-In Sheet (DC-1)	5	7	√	
4. Traffic Report/Chain of Custody Record(s)	8	11	√	
5. Cover Page	12	13	√	
Inorganic Analysis				
6. Data Sheet (Form IA-IN)	14	31	√	
7. Initial & Continuing Calibration Verification (Form IIA-IN)	32	38	√	
8. Blanks (Form III-IN)	39	43	√	
9. ICP-AES Interference Check Sample (Form IVA-IN)				
10. ICP-MS Interference Check Sample (Form IVB-IN)	44	47	√	
11. Matrix Spike Sample Recovery (Form VA-IN)	48	48	√	
12. Post-Digestion Spike Sample Recovery (Form VB-IN)	49	49	√	
13. Duplicates (Form VI-IN)	50	50	√	
14. Laboratory Control Sample (Form VII-IN)	51	51	√	
15. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	52	52	√	
16. Method Detection Limits (Annually) (Form IX-IN)	53	53	√	
17. ICP-AES Interelement Correction Factors (Annually) (Form XA-IN)				
18. ICP-AES Interelement Correction Factors (Annually) (Form XB-IN)				
19. Internal Standard Association (Form XI-IN)	54	54	√	
20. Preparation Log (Form XII-IN)	55	55	√	

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK REGION
21. Analysis Run Log (Form XIII-IN)	56	60	√	
22. ICP-MS Tune (Form XIV-IN)	61	62	√	
23. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	63	72	√	
24. Initial Calibration (Form XVI-IN)	73	76	√	
25. ICP-AES Raw Data				
26. ICP-MS Raw Data	77	515	√	
27. Mercury Raw Data				
28. Cyanide Raw Data				
29. Preparation Logs Raw Data	516	518	√	
30. Percent Solids Determination Log				
31. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments _1__)	519	521	√	
Sample Tags (***In a Plastic Bag w/ Page #***)	527	527	√	
Sample Log-In Sheet (Lab)	522	525	√	
32. Misc. Shipping/Receiving Records (list all individual records)				
Telephone log				
33. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
Internal Lab COC	526	526	√	
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) — 10/9/11 (Date)

Audited By:
(USEPA) _____ (Signature) — _____ (Print Name & Title) — _____ (Date)

FORM DC-2-2 ISM01.2

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # MF4Q23
CASE # 41345
CONTRACT # EPW09038
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT # C2339

A. Number of Samples and Date of Receipt

18 Water Samples were delivered to the laboratory intact on 05/20/11.

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 & 5°C

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

E. Corrective Action taken for above:

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ISMO1.2

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

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

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

H. QA/ QC

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

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 Vreyes Name: Mildred V. Reyes

Date 6/9/11 Title: Document Control Officer

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP

Received By (Print Name) Ken Rivera	Log-in Date **5/20/2011**
Received By (Signature) Ken Rivera	
Case Number 41345	Sample Delivery Group No. MF4Q23
	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. 7947 5858 9337
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 5°C
10. Does information on custody records, traffic reports, and sample tags agree? ~~Yes~~/No*
11. Date Received at Lab 5/20/11
12. Time Received 9:10

Corresponding

EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample shipment, etc.
MF4Q23	<2	6- 356926	C2339-01	Intact
MF4Q19		6- 356922	C2339-02	
MF4Q26		6- 356929	C2339-03	
MF4Q27		6- 356930	C2339-04	
MF4Q28		6- 356931	C2339-05	
MF4Q30		6- 356933	C2339-06	
MF4Q31		6- 356934	C2339-07	
MF4Q60		6- 476516	C2339-08	

Sample Transfer

~~Fraction~~	Fraction Metals
Area #	Area # R51
By	By Ken Rivera
On	On 5/20/11

* Contact SMO and attach record of resolution

Reviewed By Richard Mente	Logbook No.
Date 5/20/11	Logbook Page

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP

Received By (Print Name)	Ken Rivera	Log-in Date	5/20/2011
Received By (Signature)	Ken Rivera		
Case Number	41345	Sample Delivery Group No. MF4Q23	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. — 8737 9307 6595
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 — 5°C
10. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
11. Date Received at Lab — 5/20/11
12. Time Received — 9:10

Corresponding

EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample shipment, etc.
MF4Q13	<2	6-356916	C2339-09	intact
MF4Q22		6-356935	C2339-10	
MF4Q22D		6-356939	C2339-11	
MF4Q22S		6-356939	C2339-12	

Sample Transfer

Fraction	Fraction Metals
Area #	Area # R51
By	By Ken Rivera
On	On 5/20/11

* Contact SMO and attach record of resolution

Reviewed By	Michael Mehta	Logbook No.	
Date	5/20/11	Logbook Page	

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP

Received By (Print Name) Ken Rivera	Log-in Date **5/20/2011**
Received By (Signature) Ken Rivera	
Case Number 41345	Sample Delivery Group No. MF4Q23 / 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. — 7947 5859 0937
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 — 5/20/11
12. Time Received — 9:10

Corresponding

EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample shipment, etc.
MF4Q17	<2	6-356920	C2339-13	Intact
MF4Q20		6-356923	C2339-14	
MF4Q21		6-356924	C2339-15	
MF4Q24		6-356927	C2339-16	
MF4Q25		6-356928	C2339-17	
MF4Q29		6-356932	C2339-18	
MF4Q58		6-476040	C2339-19	
MF4Q59		6-476515	C2339-20	

Sample Transfer

Fraction	Fraction Metals
Area #	Area # R51
By	By Ken Rivera
On	On 5/20/11

* Contact SMO and attach record of resolution

Reviewed By Rachel Mentz	Logbook No.
Date 5/20/11	Logbook Page

Sample Delivery Group (SDG) Cover Sheet

SDG Number	MF4Q23	Case Number	41345	Contract Number	EPW09038
Lab Code	CHEM	SDG Turnaround	21 days	Delivery CLIN(s)	

First Sample Received in SDG	MF4Q23	Last Sample Received in SDG	MF4Q60
First Sample Receipt Date	5/20/2011 9:10:00 AM	Last Sample Receipt Date	5/20/2011 9:10:00 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)
MF4Q23	Field Sample	0010C	None	None
MF4Q19	Field Sample	0010C		
MF4Q26	Field Sample	0010C		
MF4Q27	Field Sample	0010C		
MF4Q28	Field Sample	0010C		
MF4Q30	Field Sample	0010C		
MF4Q31	Field Sample	0010C		
MF4Q60	Field Sample	0010C		
MF4Q13	Field Sample	0010C		
MF4Q22	Field Sample	0010C		
MF4Q22D	Field Sample	0010C		
MF4Q22S	Field Sample	0010C		
MF4Q17	Field Sample	0010C		
MF4Q20	Field Sample	0010C		
MF4Q21	Field Sample	0010C		
MF4Q24	Field Sample	0010C		
MF4Q25	Field Sample	0010C		
MF4Q29	Field Sample	0010C		
MF4Q58	Field Sample	0010C		
MF4Q59	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 Ken Rivera Date 5/20/11

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
SDG No: MF4Q23

L 6

Date Shipped:	5/19/2011
Carrier Name:	FedEx
Airbill:	7947 5858 9337
Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	Alex Spill	05-19-11 10:53		5.20.11 9:10
2				
3				
4				

Sampler Signature:

For Lab Use Only

Lab Contract No: EPW09038
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF4Q19	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356922 (HNO3) (1)	GW-045	S: 5/17/2011 17:35		
MF4Q23	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356926 (HNO3) (1)	GW-260	S: 5/17/2011 16:13		
MF4Q26	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356929 (HNO3) (1)	GW-092	S: 5/18/2011 9:10		
MF4Q27	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356930 (HNO3) (1)	GW-092-D	S: 5/18/2011 9:10		
MF4Q28	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356931 (HNO3) (1)	GW-093	S: 5/18/2011 9:35		
MF4Q30	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356933 (HNO3) (1)	GW-095	S: 5/18/2011 17:22		
MF4Q31	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356934 (HNO3) (1)	GW-097	S: 5/18/2011 8:24		
MF4Q60	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-476516 (HNO3) (1)	GW-095-D	S: 5/18/2011 17:22		

MF4Q19

Copy
Original Received at CLP

5/20/11
Date

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 5°C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051811-0004

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
SDG No: MF4Q23

L

Date Shipped:	5/19/2011
Carrier Name:	FedEx
Airbill:	8735 9307 6595
Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Sampler Signature:

	Relinquished By (Date / Time)	Received By (Date / Time)
1	Alex Spill 05-19-11 1041	5.20.11 9:10
2		
3		
4		

For Lab Use Only

Lab Contract No: EPW09038
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF4Q13	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356916 (HNO3) (1)	GW-047	S: 5/18/2011 15:26		
MF4Q22	Ground Water/ JOSE FLORES	M/G	TM W L/Med (21)	6-356935 (HNO3), 6-356939 (HNO3) (2)	GW-105-MS/MD	S: 5/19/2011 8:38		

Copy
Original Documents are included in CSF MF4Q19
Kim R
Signature
5/20/11
Date

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	MF4Q22	Alex Spill	4°C	N/A

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G

Custody Seal Intact? Shipment Iced?

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051911-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
SDG No: MF4Q23 L

Date Shipped:	5/19/2011
Carrier Name:	FedEx
Airbill:	7947 5859 0937
Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	Alex Spill	05-19-11 1101		5-20-11 9:10
2				
3				
4				

Sampler Signature:

For Lab Use Only
Lab Contract No: EPW09038
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF4Q17	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356920 (HNO3) (1)	GW-043	S: 5/18/2011	9:31		
MF4Q20	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356923 (HNO3) (1)	GW-046	S: 5/18/2011	14:45		
MF4Q21	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356924 (HNO3) (1)	GW-104	S: 5/18/2011	10:15		
MF4Q24	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356927 (HNO3) (1)	GW-029	S: 5/18/2011	11:19		
MF4Q25	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356928 (HNO3) (1)	GW-091	S: 5/18/2011	13:13		
MF4Q29	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356932 (HNO3) (1)	GW-094	S: 5/18/2011	10:15		
MF4Q58	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-476040 (HNO3) (1)	GW-732	S: 5/18/2011	17:17		
MF4Q59	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-476515 (HNO3) (1)	GW-732-D	S: 5/18/2011	17:17		

MF4Q19

Copy
Original Documents are Included in CSF
Ken R
Signature
5/20/11
Date

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
		Alex Spill	5°C	N/A

Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact?	Shipment Iced?
TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med				

TR Number: 6-035226671-051811-0005

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 41345 Mod. Ref. No.: SDG No: MF4Q23

SOW No.: ISM01.2

EPA Sample No.	Lab Sample ID
MF4Q13	C2339-09
MF4Q17	C2339-13
MF4Q19	C2339-02
MF4Q20	C2339-14
MF4Q21	C2339-15
MF4Q22	C2339-10
MF4Q22D	C2339-11
MF4Q22S	C2339-12
MF4Q23	C2339-01
MF4Q24	C2339-16
MF4Q25	C2339-17
MF4Q26	C2339-03
MF4Q27	C2339-04
MF4Q28	C2339-05
MF4Q29	C2339-18
MF4Q30	C2339-06
MF4Q31	C2339-07

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

The laboratory did 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: 6/9/11 Title: DOCUMENT CONTROL OFFICER

Metals

COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 41345 Mod. Ref. No.: SDG No: MF4Q23

SOW No.: ISM01.2

EPA Sample No.	Lab Sample ID
MF4Q58	C2339-19
MF4Q59	C2339-20
MF4Q60	C2339-08

		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: 6/9/11 Title: DOCUMENT CONTROL OFFICER

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF4Q13

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-09

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10.7	J		MS
7440-36-0	Antimony	0.33	J		MS
7440-38-2	Arsenic	9.7		E	MS
7440-39-3	Barium	25.0			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	197000			MS
7440-47-3	Chromium	4460		D	MS
7440-48-4	Cobalt	0.22	J		MS
7440-50-8	Copper	429			MS
7439-89-6	Iron	260			MS
7439-92-1	Lead	44.0			MS
7439-95-4	Magnesium	52600			MS
7439-96-5	Manganese	0.84	J		MS
7440-02-0	Nickel	4.5			MS
7440-09-7	Potassium	6000			MS
7782-49-2	Selenium	13.8			MS
7440-22-4	Silver	0.13	J		MS
7440-23-5	Sodium	279000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	26.5			MS
7440-66-6	Zinc	385		*	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.

MF4Q17

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-13

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.6			MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	13.4		E	MS
7440-39-3	Barium	41.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	188000		D	MS
7440-47-3	Chromium	719			MS
7440-48-4	Cobalt	0.34	J		MS
7440-50-8	Copper	89.2			MS
7439-89-6	Iron	221			MS
7439-92-1	Lead	2.2			MS
7439-95-4	Magnesium	61700			MS
7439-96-5	Manganese	3.5			MS
7440-02-0	Nickel	2.5			MS
7440-09-7	Potassium	5940			MS
7782-49-2	Selenium	16.9			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	314000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	49.2			MS
7440-66-6	Zinc	60.3		*	MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF4Q19

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-02

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6.8	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	13.3		E	MS
7440-39-3	Barium	45.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	205000		D	MS
7440-47-3	Chromium	1250			MS
7440-48-4	Cobalt	0.39	J		MS
7440-50-8	Copper	82.0			MS
7439-89-6	Iron	232			MS
7439-92-1	Lead	7.1			MS
7439-95-4	Magnesium	83000			MS
7439-96-5	Manganese	0.47	J		MS
7440-02-0	Nickel	3.4			MS
7440-09-7	Potassium	9020			MS
7782-49-2	Selenium	14.8			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	249000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	36.3			MS
7440-66-6	Zinc	83.4		*	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.

MF4Q20

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-14

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15.7	J		MS
7440-36-0	Antimony	0.28	J		MS
7440-38-2	Arsenic	6.5		E	MS
7440-39-3	Barium	63.2			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.58	J		MS
7440-70-2	Calcium	196000			MS
7440-47-3	Chromium	1190			MS
7440-48-4	Cobalt	0.42	J		MS
7440-50-8	Copper	346			MS
7439-89-6	Iron	253			MS
7439-92-1	Lead	40.8			MS
7439-95-4	Magnesium	39900			MS
7439-96-5	Manganese	7.1			MS
7440-02-0	Nickel	31.0			MS
7440-09-7	Potassium	8070			MS
7782-49-2	Selenium	14.2			MS
7440-22-4	Silver	0.075	J		MS
7440-23-5	Sodium	193000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	14.1			MS
7440-66-6	Zinc	1970		*	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.

MF4Q21

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-15

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5.9	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	12.5		E	MS
7440-39-3	Barium	66.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	178000			MS
7440-47-3	Chromium	323			MS
7440-48-4	Cobalt	0.17	J		MS
7440-50-8	Copper	0.97	J		MS
7439-89-6	Iron	204			MS
7439-92-1	Lead	0.11	J		MS
7439-95-4	Magnesium	57500			MS
7439-96-5	Manganese	3.0			MS
7440-02-0	Nickel	1.9			MS
7440-09-7	Potassium	2960			MS
7782-49-2	Selenium	17.7			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	166000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	43.5			MS
7440-66-6	Zinc	5.5		*	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.

MF4Q22

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-10

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	8.4		E	MS
7440-39-3	Barium	51.1			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	165000			MS
7440-47-3	Chromium	49.0			MS
7440-48-4	Cobalt	0.29	J		MS
7440-50-8	Copper	1.5	J		MS
7439-89-6	Iron	167	J		MS
7439-92-1	Lead	0.089	J		MS
7439-95-4	Magnesium	54100			MS
7439-96-5	Manganese	0.69	J		MS
7440-02-0	Nickel	2.6			MS
7440-09-7	Potassium	6200			MS
7782-49-2	Selenium	14.8			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	216000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	38.2			MS
7440-66-6	Zinc	7.0		*	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.

MF4Q23

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-01

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	5.0		E	MS
7440-39-3	Barium	51.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	239000		D	MS
7440-47-3	Chromium	309			MS
7440-48-4	Cobalt	0.22	J		MS
7440-50-8	Copper	2.2			MS
7439-89-6	Iron	239			MS
7439-92-1	Lead	0.19	J		MS
7439-95-4	Magnesium	31200			MS
7439-96-5	Manganese	0.20	J		MS
7440-02-0	Nickel	3.9			MS
7440-09-7	Potassium	5980			MS
7782-49-2	Selenium	17.5			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	234000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	13.0			MS
7440-66-6	Zinc	4.1		*	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.

MF4Q24

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-16

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11.1	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	10.2		E	MS
7440-39-3	Barium	66.4			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	194000		D	MS
7440-47-3	Chromium	141			MS
7440-48-4	Cobalt	0.32	J		MS
7440-50-8	Copper	225			MS
7439-89-6	Iron	238			MS
7439-92-1	Lead	14.8			MS
7439-95-4	Magnesium	52200			MS
7439-96-5	Manganese	0.63	J		MS
7440-02-0	Nickel	3.1			MS
7440-09-7	Potassium	6880			MS
7782-49-2	Selenium	15.8			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	237000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	39.2			MS
7440-66-6	Zinc	223		*	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.

MF4Q25

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-17

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	11.1		E	MS
7440-39-3	Barium	36.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	199000			MS
7440-47-3	Chromium	557			MS
7440-48-4	Cobalt	0.31	J		MS
7440-50-8	Copper	2.5			MS
7439-89-6	Iron	219			MS
7439-92-1	Lead	0.23	J		MS
7439-95-4	Magnesium	59100			MS
7439-96-5	Manganese	0.29	J		MS
7440-02-0	Nickel	1.8			MS
7440-09-7	Potassium	6650			MS
7782-49-2	Selenium	16.2			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	290000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	36.6			MS
7440-66-6	Zinc	8.4		*	MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF4Q26

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-03

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3.3	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	11.1		E	MS
7440-39-3	Barium	49.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	193000		D	MS
7440-47-3	Chromium	522			MS
7440-48-4	Cobalt	0.29	J		MS
7440-50-8	Copper	6.5			MS
7439-89-6	Iron	214			MS
7439-92-1	Lead	0.20	J		MS
7439-95-4	Magnesium	54900			MS
7439-96-5	Manganese	1.6			MS
7440-02-0	Nickel	1.6			MS
7440-09-7	Potassium	6680			MS
7782-49-2	Selenium	13.5			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	265000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	41.2			MS
7440-66-6	Zinc	66.8		*	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.

MF4Q27

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-04

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5.5	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	10.8		E	MS
7440-39-3	Barium	47.0			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	185000			MS
7440-47-3	Chromium	476			MS
7440-48-4	Cobalt	0.34	J		MS
7440-50-8	Copper	1.9	J		MS
7439-89-6	Iron	205			MS
7439-92-1	Lead	0.68	J		MS
7439-95-4	Magnesium	49900			MS
7439-96-5	Manganese	2.4			MS
7440-02-0	Nickel	1.8			MS
7440-09-7	Potassium	5970			MS
7782-49-2	Selenium	14.6			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	248000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	37.1			MS
7440-66-6	Zinc	74.1		*	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.

MF4Q28

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-05

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3.3	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	12.1		E	MS
7440-39-3	Barium	48.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	214000		D	MS
7440-47-3	Chromium	259			MS
7440-48-4	Cobalt	0.29	J		MS
7440-50-8	Copper	3.9			MS
7439-89-6	Iron	219			MS
7439-92-1	Lead	0.11	J		MS
7439-95-4	Magnesium	56900			MS
7439-96-5	Manganese	0.33	J		MS
7440-02-0	Nickel	1.7			MS
7440-09-7	Potassium	6700			MS
7782-49-2	Selenium	17.3			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	265000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	38.7			MS
7440-66-6	Zinc	13.8		*	MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF4Q29

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-18

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5.5	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	11.8		E	MS
7440-39-3	Barium	44.4			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	199000			MS
7440-47-3	Chromium	108			MS
7440-48-4	Cobalt	0.45	J		MS
7440-50-8	Copper	71.9			MS
7439-89-6	Iron	241			MS
7439-92-1	Lead	10.4			MS
7439-95-4	Magnesium	63600			MS
7439-96-5	Manganese	0.34	J		MS
7440-02-0	Nickel	2.9			MS
7440-09-7	Potassium	6410			MS
7782-49-2	Selenium	15.4			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	231000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	47.2			MS
7440-66-6	Zinc	99.1		*	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.

MF4Q30

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-06

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	11.0		E	MS
7440-39-3	Barium	43.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	200000		D	MS
7440-47-3	Chromium	319			MS
7440-48-4	Cobalt	0.27	J		MS
7440-50-8	Copper	5.1			MS
7439-89-6	Iron	214			MS
7439-92-1	Lead	0.83	J		MS
7439-95-4	Magnesium	52900			MS
7439-96-5	Manganese	0.21	J		MS
7440-02-0	Nickel	1.3			MS
7440-09-7	Potassium	7140			MS
7782-49-2	Selenium	17.2			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	269000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	37.0			MS
7440-66-6	Zinc	8.9		*	MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF4Q31

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-07

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	12.1		E	MS
7440-39-3	Barium	44.1			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	180000			MS
7440-47-3	Chromium	727			MS
7440-48-4	Cobalt	0.19	J		MS
7440-50-8	Copper	6.9			MS
7439-89-6	Iron	176	J		MS
7439-92-1	Lead	0.056	J		MS
7439-95-4	Magnesium	50700			MS
7439-96-5	Manganese	0.33	J		MS
7440-02-0	Nickel	1.1			MS
7440-09-7	Potassium	6550			MS
7782-49-2	Selenium	15.9			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	254000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	41.0			MS
7440-66-6	Zinc	12.5		*	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.

MF4Q58

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-19

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	6.7		E	MS
7440-39-3	Barium	48.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	241000		D	MS
7440-47-3	Chromium	444			MS
7440-48-4	Cobalt	0.24	J		MS
7440-50-8	Copper	3.4			MS
7439-89-6	Iron	321			MS
7439-92-1	Lead	0.46	J		MS
7439-95-4	Magnesium	38200			MS
7439-96-5	Manganese	1.2			MS
7440-02-0	Nickel	3.4			MS
7440-09-7	Potassium	7710			MS
7782-49-2	Selenium	16.5			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	229000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	21.4			MS
7440-66-6	Zinc	242		*	MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF4Q59

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-20

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	6.7		E	MS
7440-39-3	Barium	48.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	228000		D	MS
7440-47-3	Chromium	446			MS
7440-48-4	Cobalt	0.20	J		MS
7440-50-8	Copper	2.4			MS
7439-89-6	Iron	299			MS
7439-92-1	Lead	0.32	J		MS
7439-95-4	Magnesium	38400			MS
7439-96-5	Manganese	0.23	J		MS
7440-02-0	Nickel	3.1			MS
7440-09-7	Potassium	7650			MS
7782-49-2	Selenium	18.0			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	222000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	20.7			MS
7440-66-6	Zinc	235		*	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.

MF4Q60

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Matrix: WATER Lab Sample ID: C2339-08

% Solids: Date Received: 05/20/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1.2	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	10.7		E	MS
7440-39-3	Barium	48.0			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	204000		D	MS
7440-47-3	Chromium	324			MS
7440-48-4	Cobalt	0.28	J		MS
7440-50-8	Copper	15.4			MS
7439-89-6	Iron	207			MS
7439-92-1	Lead	1.5			MS
7439-95-4	Magnesium	55200			MS
7439-96-5	Manganese	0.27	J		MS
7440-02-0	Nickel	1.6			MS
7440-09-7	Potassium	7580			MS
7782-49-2	Selenium	17.5			MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	268000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	38.0			MS
7440-66-6	Zinc	17.1		*	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6997

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	504.0	529.00	105	10000.0	10290.00	103	10410.00	104	MS
Antimony	199.0	193.60	97	500.0	500.80	100	505.20	101	MS
Arsenic	200.0	199.10	100	500.0	504.70	101	494.70	99	MS
Barium	99.0	100.70	102	2500.0	2440.00	98	2471.00	99	MS
Beryllium	99.0	100.60	102	500.0	520.50	104	497.80	100	MS
Cadmium	99.0	100.20	101	500.0	505.10	101	512.40	102	MS
Calcium	2005.0	2051.00	102	50000.0	50060.00	100	50870.00	102	MS
Chromium	98.0	98.59	101	500.0	504.70	101	495.00	99	MS
Cobalt	100.0	99.47	99	500.0	501.00	100	486.40	97	MS
Copper	98.0	103.00	105	1000.0	1006.00	101	967.10	97	MS
Iron	1016.0	1009.00	99	25000.0	25640.00	103	25950.00	104	MS
Lead	200.0	200.50	100	500.0	494.40	99	497.30	99	MS
Magnesium	1215.0	1246.00	103	50000.0	51990.00	104	52720.00	105	MS
Manganese	100.0	100.50	100	1000.0	998.50	100	1013.00	101	MS
Nickel	101.0	102.90	102	500.0	506.40	101	483.30	97	MS
Potassium	2004.0	1985.00	99	25000.0	25020.00	100	25820.00	103	MS
Selenium	206.0	199.40	97	500.0	513.10	103	505.60	101	MS
Silver	100.0	100.80	101	500.0	507.60	102	503.80	101	MS
Sodium	2019.0	2035.00	101	50000.0	50940.00	102	52090.00	104	MS
Thallium	206.0	200.80	97	500.0	492.50	98	493.90	99	MS
Vanadium	100.0	96.48	96	500.0	493.60	99	489.50	98	MS
Zinc	205.0	200.80	98	1000.0	987.90	99	998.10	100	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6997

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	10100.00	101	10280.00	103	MS
Antimony				500.0	523.00	105	530.60	106	MS
Arsenic				500.0	504.30	101	504.50	101	MS
Barium				2500.0	2499.00	100	2512.00	100	MS
Beryllium				500.0	491.70	98	488.30	98	MS
Cadmium				500.0	515.70	103	534.10	107	MS
Calcium				50000.0	50280.00	101	50990.00	102	MS
Chromium				500.0	490.00	98	488.00	98	MS
Cobalt				500.0	475.40	95	469.20	94	MS
Copper				1000.0	955.90	96	935.30	94	MS
Iron				25000.0	26170.00	105	26170.00	105	MS
Lead				500.0	492.70	99	505.70	101	MS
Magnesium				50000.0	52240.00	104	53010.00	106	MS
Manganese				1000.0	1008.00	101	1025.00	102	MS
Nickel				500.0	477.70	96	466.20	93	MS
Potassium				25000.0	25320.00	101	25780.00	103	MS
Selenium				500.0	517.70	104	514.00	103	MS
Silver				500.0	504.10	101	513.50	103	MS
Sodium				50000.0	51220.00	102	52120.00	104	MS
Thallium				500.0	490.90	98	497.70	100	MS
Vanadium				500.0	482.80	97	482.70	97	MS
Zinc				1000.0	1008.00	101	1019.00	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6997

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	9719.00	97	9691.00	97	MS
Antimony				500.0	520.70	104	521.70	104	MS
Arsenic				500.0	491.20	98	493.90	99	MS
Barium				2500.0	2435.00	97	2456.00	98	MS
Beryllium				500.0	464.80	93	458.10	92	MS
Cadmium				500.0	521.60	104	519.90	104	MS
Calcium				50000.0	50790.00	102	50970.00	102	MS
Chromium				500.0	484.10	97	478.80	96	MS
Cobalt				500.0	475.00	95	468.40	94	MS
Copper				1000.0	929.90	93	925.60	93	MS
Iron				25000.0	26270.00	105	26500.00	106	MS
Lead				500.0	492.50	98	496.20	99	MS
Magnesium				50000.0	50510.00	101	50460.00	101	MS
Manganese				1000.0	1006.00	101	1008.00	101	MS
Nickel				500.0	474.00	95	464.40	93	MS
Potassium				25000.0	25260.00	101	25490.00	102	MS
Selenium				500.0	507.50	102	508.30	102	MS
Silver				500.0	504.40	101	501.30	100	MS
Sodium				50000.0	50270.00	101	50640.00	101	MS
Thallium				500.0	491.80	98	486.80	97	MS
Vanadium				500.0	479.00	96	471.10	94	MS
Zinc				1000.0	1003.00	100	996.70	100	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6997

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	9716.00	97	9832.00	98	MS
Antimony				500.0	521.60	104	526.20	105	MS
Arsenic				500.0	501.80	100	507.90	102	MS
Barium				2500.0	2517.00	101	2480.00	99	MS
Beryllium				500.0	465.50	93	467.70	94	MS
Cadmium				500.0	520.00	104	524.90	105	MS
Calcium				50000.0	50900.00	102	51610.00	103	MS
Chromium				500.0	495.30	99	504.50	101	MS
Cobalt				500.0	488.20	98	492.50	98	MS
Copper				1000.0	959.30	96	973.00	97	MS
Iron				25000.0	27440.00	110	27390.00	110	MS
Lead				500.0	505.90	101	509.20	102	MS
Magnesium				50000.0	50520.00	101	51010.00	102	MS
Manganese				1000.0	1032.00	103	1029.00	103	MS
Nickel				500.0	478.00	96	490.90	98	MS
Potassium				25000.0	25530.00	102	25530.00	102	MS
Selenium				500.0	519.10	104	520.30	104	MS
Silver				500.0	506.40	101	505.50	101	MS
Sodium				50000.0	50350.00	101	51190.00	102	MS
Thallium				500.0	502.70	101	504.20	101	MS
Vanadium				500.0	489.70	98	498.60	100	MS
Zinc				1000.0	1018.00	102	1028.00	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6997

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	9856.00	99			MS
Antimony				500.0	523.90	105			MS
Arsenic				500.0	504.40	101			MS
Barium				2500.0	2511.00	100			MS
Beryllium				500.0	464.90	93			MS
Cadmium				500.0	534.60	107			MS
Calcium				50000.0	51390.00	103			MS
Chromium				500.0	495.40	99			MS
Cobalt				500.0	485.60	97			MS
Copper				1000.0	961.90	96			MS
Iron				25000.0	27180.00	109			MS
Lead				500.0	507.40	101			MS
Magnesium				50000.0	50980.00	102			MS
Manganese				1000.0	1020.00	102			MS
Nickel				500.0	486.40	97			MS
Potassium				25000.0	25860.00	103			MS
Selenium				500.0	522.50	104			MS
Silver				500.0	509.30	102			MS
Sodium				50000.0	50630.00	101			MS
Thallium				500.0	499.00	100			MS
Vanadium				500.0	491.30	98			MS
Zinc				1000.0	1016.00	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6997

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	504.0	499.40	99	10000.0	10230.00	102	10140.00	101	MS
Beryllium	99.0	97.21	98	500.0	509.60	102	508.10	102	MS
Calcium	2005.0	1989.00	99	50000.0	50180.00	100	50670.00	101	MS
Magnesium	1215.0	1210.00	100	50000.0	52310.00	105	51530.00	103	MS
Potassium	2004.0	1986.00	99	25000.0	25420.00	102	26000.00	104	MS
Sodium	2019.0	1953.00	97	50000.0	51120.00	102	50880.00	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: INOR-MP6997

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	10110.00	101	10050.00	100	MS
Beryllium				500.0	510.20	102	501.00	100	MS
Calcium				50000.0	50220.00	100	50610.00	101	MS
Magnesium				50000.0	51100.00	102	50320.00	101	MS
Potassium				25000.0	25650.00	103	25580.00	102	MS
Sodium				50000.0	50470.00	101	50160.00	100	MS

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

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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
Aluminum	3.040	J	6.001	J	20.000	U	20.000	U	20.000	U	MS
Antimony	0.784	J	0.635	J	0.454	J	0.529	J	2.000	U	MS
Arsenic	0.338	J	1.000	U	1.000	U	1.000	U	1.000	U	MS
Barium	0.684	J	0.649	J	10.000	U	10.000	U	10.000	U	MS
Beryllium	0.201	J	0.114	J	1.000	U	1.000	U	1.000	U	MS
Cadmium	0.219	J	0.143	J	1.000	U	1.000	U	1.000	U	MS
Calcium	15.870	J	15.620	J	9.038	J	7.181	J	500.000	U	MS
Chromium	0.136	J	0.136	J	0.102	J	0.120	J	2.000	U	MS
Cobalt	0.203	J	0.106	J	1.000	U	1.000	U	1.000	U	MS
Copper	0.323	J	0.244	J	2.000	U	0.452	J	2.000	U	MS
Iron	7.404	J	10.890	J	200.000	U	200.000	U	200.000	U	MS
Lead	0.255	J	0.117	J	1.000	U	1.000	U	1.000	U	MS
Magnesium	15.220	J	16.330	J	500.000	U	500.000	U	500.000	U	MS
Manganese	0.326	J	0.242	J	1.000	U	1.000	U	1.000	U	MS
Nickel	0.279	J	0.385	J	1.000	U	0.231	J	1.000	U	MS
Potassium	14.990	J	21.420	J	500.000	U	18.080	J	500.000	U	MS
Selenium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	MS
Silver	0.206	J	0.140	J	1.000	U	1.000	U	1.000	U	MS
Sodium	20.480	J	16.810	J	7.605	J	7.628	J	500.000	U	MS
Thallium	0.330	J	0.168	J	0.082	J	1.000	U	1.000	U	MS
Vanadium	0.135	J	5.000	U	-0.474	J	-0.538	J	5.000	U	MS
Zinc	0.331	J	0.300	J	2.000	U	0.431	J	2.000	U	MS

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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			20.000	U	1.722	J	1.387	J			MS
Antimony			0.526	J	0.538	J	0.515	J			MS
Arsenic			0.148	J	0.186	J	0.350	J			MS
Barium			0.290	J	0.431	J	0.475	J			MS
Beryllium			1.000	U	1.000	U	1.000	U			MS
Cadmium			-0.144	J	1.000	U	1.000	U			MS
Calcium			8.579	J	7.621	J	9.977	J			MS
Chromium			0.138	J	0.137	J	0.106	J			MS
Cobalt			1.000	U	0.084	J	0.080	J			MS
Copper			2.000	U	0.126	J	0.142	J			MS
Iron			200.000	U	200.000	U	200.000	U			MS
Lead			0.052	J	0.098	J	0.090	J			MS
Magnesium			500.000	U	7.020	J	7.566	J			MS
Manganese			1.000	U	0.151	J	0.192	J			MS
Nickel			1.000	U	1.000	U	1.000	U			MS
Potassium			19.670	J	8.890	J	9.934	J			MS
Selenium			5.000	U	5.000	U	5.000	U			MS
Silver			1.000	U	0.124	J	0.112	J			MS
Sodium			8.856	J	6.562	J	7.722	J			MS
Thallium			0.082	J	0.123	J	0.126	J			MS
Vanadium			-0.345	J	-0.281	J	-0.166	J			MS
Zinc			2.000	U	0.259	J	2.000	U			MS

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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			6.883	J	4.133	J	3.031	J			MS
Antimony			0.717	J	0.682	J	0.660	J			MS
Arsenic			0.299	J	0.411	J	0.185	J			MS
Barium			1.383	J	1.428	J	0.883	J			MS
Beryllium			0.253	J	0.181	J	0.115	J			MS
Cadmium			0.250	J	0.210	J	0.170	J			MS
Calcium			29.750	J	29.610	J	19.480	J			MS
Chromium			0.297	J	0.326	J	0.243	J			MS
Cobalt			0.277	J	0.265	J	0.160	J			MS
Copper			0.536	J	0.514	J	0.354	J			MS
Iron			18.490	J	13.430	J	10.420	J			MS
Lead			0.282	J	0.276	J	0.190	J			MS
Magnesium			26.870	J	22.430	J	15.660	J			MS
Manganese			0.544	J	0.569	J	0.374	J			MS
Nickel			0.231	J	0.288	J	0.172	J			MS
Potassium			18.530	J	15.490	J	500.000	U			MS
Selenium			5.000	U	5.000	U	5.000	U			MS
Silver			0.347	J	0.255	J	0.259	J			MS
Sodium			26.340	J	22.070	J	11.420	J			MS
Thallium			0.337	J	0.374	J	0.254	J			MS
Vanadium			0.142	J	-0.175	J	-0.187	J			MS
Zinc			0.693	J	0.591	J	0.453	J			MS

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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	-2.892	J	5.056	J	20.000	U	-4.395	J			MS
Beryllium	1.000	U	0.172	J	1.000	U	-0.184	J			MS
Calcium	-16.560	J	16.260	J	17.250	J	-20.360	J			MS
Magnesium	-6.713	J	26.850	J	12.540	J	-11.240	J			MS
Potassium	500.000	U	18.420	J	10.780	J	500.000	U			MS
Sodium	-10.300	J	20.090	J	28.830	J	-18.040	J			MS

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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			-4.030	J							MS
Beryllium			-0.193	J							MS
Calcium			-23.620	J							MS
Magnesium			-10.390	J							MS
Potassium			500.000	U							MS
Sodium			-18.790	J							MS

Metals

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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	22.0	1.3	87	21.7	99
Arsenic	0.1	19.0	0.40	400	19.8	104
Barium	1.2	22.0	1.5	125	21.3	97
Beryllium	0.0	19.0	0.31	0	20.9	110
Cadmium	0.7	20.0	0.77	110	20.9	104
Chromium	21.0	40.0	20.2	96	40.4	101
Cobalt	1.0	20.0	1.1	110	20.8	104
Copper	8.0	25.0	8.0	100	28.1	112
Lead	4.0	25.0	4.4	110	24.5	98
Manganese	7.0	27.0	6.5	93	29.3	109
Nickel	6.0	24.0	5.6	93	26.5	110
Selenium	0.3	19.0	-0.52	-173	19.8	104
Silver	0.0	18.0	0.039	0	19.6	109
Thallium	0.0	21.0	0.027	0	20.1	96
Vanadium	0.5	19.0	-0.87	-174	18.4	97
Zinc	11.0	29.0	11.9	108	33.0	114

Metals

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

ICP-MS Instrument ID: P6 ICS Source: MS8055

Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	100000.0	100000.0	105000	105	103000	103
Calcium	100000.0	100000.0	104000	104	101000	101
Iron	100000.0	100000.0	104000	104	103000	103
Magnesium	100000.0	100000.0	110000	110	108000	108
Potassium	100000.0	100000.0	102000	102	99600	100
Sodium	100000.0	100000.0	106000	106	106000	106

Metals

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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	22.0	1.3	87	21.6	98
Arsenic	0.1	19.0	0.51	510	20.5	108
Barium	1.2	22.0	1.0	83	21.6	98
Beryllium	0.0	19.0	0.13	0	20.6	108
Cadmium	0.7	20.0	0.43	61	21.2	106
Chromium	21.0	40.0	19.7	94	40.5	101
Cobalt	1.0	20.0	1.1	110	21.4	107
Copper	8.0	25.0	7.7	96	28.3	113
Lead	4.0	25.0	4.2	105	24.8	99
Manganese	7.0	27.0	7.3	104	28.8	107
Nickel	6.0	24.0	5.6	93	25.8	108
Selenium	0.3	19.0	-0.22	-73	19.7	104
Silver	0.0	18.0	-0.0040	0	19.7	109
Thallium	0.0	21.0	0.0090	0	20.2	96
Vanadium	0.5	19.0	-1.9	-380	18.1	95
Zinc	11.0	29.0	11.6	105	32.9	113

Metals

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

ICP-MS Instrument ID: P6 ICS Source: MS8055

Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	100000.0	100000.0	103000	103	103000	103
Calcium	100000.0	100000.0	104000	104	103000	103
Iron	100000.0	100000.0	107000	107	106000	106
Magnesium	100000.0	100000.0	106000	106	106000	106
Potassium	100000.0	100000.0	104000	104	103000	103
Sodium	100000.0	100000.0	103000	103	104000	104

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MF4Q22S

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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	105.1000		2.0000	U	100.00	105		MS
Arsenic	75 - 125	49.5200		8.4040		40.00	103		MS
Barium	75 - 125	1982.0000		51.1300		2000.00	97		MS
Beryllium	75 - 125	46.1700		1.0000	U	50.00	92		MS
Cadmium	75 - 125	51.6500		1.0000	U	50.00	103		MS
Chromium	75 - 125	234.5000		48.9700		200.00	93		MS
Cobalt	75 - 125	451.0000		0.2870	J	500.00	90		MS
Copper	75 - 125	222.9000		1.4540	J	250.00	89		MS
Lead	75 - 125	19.8000		0.0890	J	20.00	99		MS
Manganese	75 - 125	485.6000		0.6850	J	500.00	97		MS
Nickel	75 - 125	446.0000		2.5680		500.00	89		MS
Selenium	75 - 125	27.3100		14.8300		10.00	125		MS
Silver	75 - 125	47.6800		1.0000	U	50.00	95		MS
Thallium	75 - 125	47.7500		1.0000	U	50.00	96		MS
Vanadium	75 - 125	494.5000		38.1900		500.00	91		MS
Zinc	75 - 125	494.4000		6.9960		500.00	97		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.

MF4Q22D

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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		20.0000	U	1.2070	J	0		MS
Antimony		2.0000	U	2.0000	U			MS
Arsenic		8.4040		9.1280		8		MS
Barium		51.1300		52.8600		3		MS
Beryllium		1.0000	U	1.0000	U			MS
Cadmium		1.0000	U	1.0000	U			MS
Calcium		164500.0000		165800.0000		1		MS
Chromium		48.9700		48.7400		0		MS
Cobalt		0.2870	J	0.3300	J	14		MS
Copper		1.4540	J	1.4520	J	0		MS
Iron		167.1000	J	168.7000	J	1		MS
Lead		0.0890	J	1.0000	U	0		MS
Magnesium		54090.0000		55480.0000		3		MS
Manganese		0.6850	J	1.0000	U	0		MS
Nickel	1.0000	2.5680		2.7400		6		MS
Potassium		6203.0000		6323.0000		2		MS
Selenium	5.0000	14.8300		16.8000		12		MS
Silver		1.0000	U	1.0000	U			MS
Sodium		215900.0000		222350.0000		3		MS
Thallium		1.0000	U	1.0000	U			MS
Vanadium		38.1900		38.4400		1		MS
Zinc	2.0000	6.9960		4.8870		35	*	MS

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Analyte	Aqueous/Water (ug/L), Soil Sediment (mg/Kg), Wipe/Filter (ug)		
	True	Found	%R
Aluminum	40.00	41.49	104
Antimony	4.00	3.85	96
Arsenic	2.00	1.93	96
Barium	20.00	19.15	96
Beryllium	2.00	1.99	100
Cadmium	2.00	2.01	100
Calcium	1000.00	1017.00	102
Chromium	4.00	4.10	102
Cobalt	2.00	1.96	98
Copper	4.00	4.08	102
Iron	400.00	408.60	102
Lead	2.00	1.93	96
Magnesium	1000.00	1071.00	107
Manganese	2.00	2.00	100
Nickel	2.00	2.07	104
Potassium	1000.00	991.10	99
Selenium	10.00	9.89	99
Silver	2.00	1.99	100
Sodium	1000.00	1008.00	101
Thallium	2.00	1.95	98
Vanadium	10.00	9.80	98
Zinc	4.00	4.45	111

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MF4Q22L

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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	20.00	U	100.00	U			MS
Antimony	2.00	U	10.00	U			MS
Arsenic	8.40		9.42		12	E	MS
Barium	51.13		52.50		3		MS
Beryllium	1.00	U	5.00	U			MS
Cadmium	1.00	U	5.00	U			MS
Calcium	164500.00		153600.00		7		MS
Chromium	48.97		51.10		4		MS
Cobalt	0.29	J	0.51	J	76		MS
Copper	1.45	J	1.47	J	1		MS
Iron	167.10	J	184.30	J	10		MS
Lead	0.09	J	5.00	U	100		MS
Magnesium	54090.00		56000.00		4		MS
Manganese	0.69	J	5.00	U	100		MS
Nickel	2.57		3.12	J	21		MS
Potassium	6203.00		6015.00		3		MS
Selenium	14.83		15.40	J	4		MS
Silver	1.00	U	5.00	U			MS
Sodium	215900.00		201500.00		7		MS
Thallium	1.00	U	0.84	J			MS
Vanadium	38.19		36.95		3		MS
Zinc	7.00		9.68	J	38		MS

Metals

9-IN

METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

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:

11-IN
INTERNAL STANDARD ASSOCIATION

Lab Name: Chemtech Consulting Group **Contract:** EPW09038

Lab Code: CHEM **Case No.:** 41345 **Mod. Ref. No.:** _____ **SDG No.:** MF4Q23

ICP-MS Instrument ID: P6 **Date:** 06/04/11

Analyte	Assoc. Internal Standard 1	Assoc. Internal Standard 2
Aluminum	6Li	45Sc
Antimony	103Rh	159Tb
Arsenic	45Sc	103Rh
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

12-IN

PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Preparation Method: 200.8

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
PBW	05/27/2011	50.00	50
LCS	05/27/2011	50.00	50
MF4Q23	05/27/2011	50.00	50
MF4Q19	05/27/2011	50.00	50
MF4Q26	05/27/2011	50.00	50
MF4Q27	05/27/2011	50.00	50
MF4Q28	05/27/2011	50.00	50
MF4Q30	05/27/2011	50.00	50
MF4Q31	05/27/2011	50.00	50
MF4Q60	05/27/2011	50.00	50
MF4Q17	05/27/2011	50.00	50
MF4Q22	05/27/2011	50.00	50
MF4Q22D	05/27/2011	50.00	50
MF4Q22S	05/27/2011	50.00	50
MF4Q20	05/27/2011	50.00	50
MF4Q21	05/27/2011	50.00	50
MF4Q24	05/27/2011	50.00	50
MF4Q25	05/27/2011	50.00	50
MF4Q29	05/27/2011	50.00	50
MF4Q13	05/27/2011	50.00	50
MF4Q58	05/27/2011	50.00	50
MF4Q59	05/27/2011	50.00	50

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Instrument ID: P6 Analysis Method: MS

Start Date: 06/04/2011 End Date: 06/05/2011

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	1511					X				X			X	X														
S0	1.0	1613	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
S	1.0	1621	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
S	1.0	1629	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
S	1.0	1637	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
S	1.0	1645	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
S	1.0	1653	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICV	1.0	1701	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICB	1.0	1709	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICSA	1.0	1716		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSAB	1.0	1724		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSA	10	1732	X						X				X		X				X			X							
ICSAB	10	1740	X						X				X		X				X			X							
CCV	1.0	1748	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.0	1756	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.0	1804																											
ZZZZZZ	1.0	1812																											
PBW	1.0	1819	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.0	1843																											
LCS	1.0	1851	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.0	1859																											
ZZZZZZ	1.0	1907																											
ZZZZZZ	1.0	1915																											
ZZZZZZ	1.0	1923																											
ZZZZZZ	5.0	1931																											
CCV	1.0	1938	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.0	1946	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	25	1954																											
ZZZZZZ	25	2002																											
ZZZZZZ	25	2010																											
ZZZZZZ	25	2018																											
ZZZZZZ	125	2026																											
MF4Q23	1.0	2034	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q19	1.0	2042	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q26	1.0	2049	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q23	25	2057							X													X							
MF4Q19	25	2105							X													X							

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Instrument ID: P6 Analysis Method: MS

Start Date: 06/04/2011 End Date: 06/05/2011

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			
CCV	1.0	2113	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.0	2121	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MF4Q26	25	2129							X													X							
MF4Q27	1.0	2137	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q28	1.0	2145	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q30	1.0	2153	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q31	1.0	2200	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q60	1.0	2208	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q27	25	2216																				X							
MF4Q28	25	2224							X													X							
MF4Q30	25	2232							X													X							
MF4Q31	25	2240																				X							
CCV	1.0	2248	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.0	2256	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MF4Q60	25	2304							X													X							
MF4Q17	1.0	2312	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q22	1.0	2320	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q22D	1.0	2327	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q22S	1.0	2335		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X				
MF4Q22L	5.0	2343	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q22	25	2351																				X							
MF4Q22D	25	2359																				X							
MF4Q22S	25	0007																											
MF4Q22L	125	0015																				X							
CCV	1.0	0023	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.0	0031	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MF4Q17	25	0039							X													X							
MF4Q20	1.0	0047	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q21	1.0	0054	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q24	1.0	0102	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q25	1.0	0110	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q29	1.0	0118	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MF4Q20	25	0126																				X							
ZZZZZZ	25	0134																											
MF4Q24	25	0142							X													X							
MF4Q25	25	0150																				X							
CCV	1.0	0158	X	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Instrument ID: P6 Analysis Method: MS

Start Date: 06/04/2011 End Date: 06/05/2011

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		
CCB	1.0	0206	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	25	0214																										
MF4Q13	1.0	0222		X	X	X		X			X	X	X	X		X		X		X	X		X	X	X			
MF4Q13	25	0229								X																		
MF4Q58	1.0	0237		X	X	X		X		X	X	X	X	X		X		X		X	X		X	X	X			
MF4Q59	1.0	0245		X	X	X		X		X	X	X	X	X		X		X		X	X		X	X	X			
ZZZZZZ	25	0253																										
ZZZZZZ	25	0301																										
ZZZZZZ	1.0	0309																										
ZZZZZZ	1.0	0317																										
ZZZZZZ	1.0	0325																										
CCV	1.0	0333	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	0341	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	0349																										
ZZZZZZ	1.0	0357																										
ZZZZZZ	1.0	0404																										
ZZZZZZ	1.0	0412																										
ZZZZZZ	1.0	0420																										
ZZZZZZ	1.0	0428																										
ZZZZZZ	1.0	0436																										
ZZZZZZ	1.0	0444																										
ZZZZZZ	1.0	0452																										
ZZZZZZ	5.0	0500																										
CCV	1.0	0508	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	0516	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	0524																										
ZZZZZZ	1.0	0532																										
ZZZZZZ	1.0	0540																										
ZZZZZZ	1.0	0548																										
ZZZZZZ	5.0	0555																										
ZZZZZZ	1.0	0603																										
ZZZZZZ	1.0	0611																										
ZZZZZZ	1.0	0619																										
ZZZZZZ	1.0	0627																										
ZZZZZZ	1.0	0635																										
CCV	1.0	0643	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	0651	X	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.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Instrument ID: P6 Analysis Method: MS

Start Date: 06/05/2011 End Date: 06/05/2011

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	1452					X				X			X	X														
S0	1.0	1515	X				X		X						X				X			X							
S	1.0	1523	X				X		X						X				X			X							
S	1.0	1531	X				X		X						X				X			X							
S	1.0	1538	X				X		X						X				X			X							
S	1.0	1546	X				X		X						X				X			X							
S	1.0	1554	X				X		X						X				X			X							
ICV	1.0	1618	X				X		X						X				X			X							
ICB	1.0	1626	X				X		X						X				X			X							
ICSA	1.0	1634		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSAB	1.0	1642		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSA	10	1650	X						X				X		X				X			X							
ICSAB	10	1658	X						X				X		X				X			X							
CCV	1.0	1705	X				X		X						X				X			X							
CCB	1.0	1713	X				X		X						X				X			X							
ZZZZZZ	1.0	1721																											
MF4Q21	50	1729																				X							
MF4Q29	25	1737																				X							
MF4Q13	1.0	1745	X				X		X						X				X										
MF4Q13	25	1753																				X							
MF4Q58	1.0	1801	X				X								X				X										
MF4Q59	1.0	1809	X				X								X				X										
ZZZZZZ	1.0	1817																											
MF4Q58	25	1825							X													X							
MF4Q59	25	1832							X													X							
CCV	1.0	1840	X				X		X						X				X			X							
CCB	1.0	1848	X				X		X						X				X			X							
ZZZZZZ	1.0	1856																											
ZZZZZZ	1.0	1904																											
ZZZZZZ	1.0	1912																											
ZZZZZZ	1.0	1920																											
ZZZZZZ	1.0	1928																											
ZZZZZZ	1.0	1936																											
ZZZZZZ	1.0	1944																											
ZZZZZZ	1.0	1952																											
ZZZZZZ	1.0	1959																											
ZZZZZZ	5.0	2007																											

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

Instrument ID: P6 Analysis Method: MS

Start Date: 06/05/2011 End Date: 06/05/2011

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		
CCV	1.0	2015	X				X		X						X				X			X						
CCB	1.0	2023	X				X		X						X				X			X						
ZZZZZZ	1.0	2031																										
ZZZZZZ	1.0	2039																										
ZZZZZZ	1.0	2047																										
ZZZZZZ	1.0	2055																										
ZZZZZZ	5.0	2103																										
ZZZZZZ	1.0	2111																										
ZZZZZZ	1.0	2119																										
ZZZZZZ	1.0	2127																										
ZZZZZZ	1.0	2135																										
ZZZZZZ	1.0	2142																										
CCV	1.0	2150	X				X		X						X				X			X						
CCB	1.0	2158	X				X		X						X				X			X						

Metals

14 - IN

ICP-MS Tune

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: _____ SDG No.: MF4Q23

ICP-MS Instrument ID: P6 Date: 06/04/2011

Element - Mass	Avg. Measured Mass (amu)	Average Peak Width (amu)	%Height	%RSD
Be_9	9.01	0.71	5.0	0.830
Mg_24	23.99	0.71	5.0	0.567
Mg_25	24.99	0.77	5.0	1.522
Mg_26	25.98	0.71	5.0	0.824
Co_59	58.93	0.71	5.0	0.704
In_113	112.90	0.71	5.0	1.279
In_115	114.90	0.71	5.0	1.918
Ce_140	139.91	0.77	5.0	0.663
Pb_206	205.97	0.77	5.0	0.868
Pb_207	206.98	0.77	5.0	0.869
Pb_208	207.98	0.77	5.0	0.979

Comments: _____

Metals

14 - IN

ICP-MS Tune

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG No.: MF4Q23

ICP-MS Instrument ID: P6 Date: 06/05/2011

Element - Mass	Avg. Measured Mass (amu)	Average Peak Width (amu)	%Height	%RSD
Be_9	9.01	0.77	5.0	1.196
Mg_24	23.99	0.77	5.0	1.009
Mg_25	24.99	0.77	5.0	0.813
Mg_26	25.98	0.71	5.0	0.630
Co_59	58.93	0.77	5.0	1.049
In_113	112.90	0.71	5.0	0.634
In_115	114.90	0.71	5.0	0.454
Ce_140	139.91	0.82	5.0	0.514
Pb_206	205.97	0.77	5.0	0.387
Pb_207	206.98	0.77	5.0	0.745
Pb_208	207.98	0.82	5.0	0.536

Comments:

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/04/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	1613	100		100		100		100		100	
S	1621	101		102		101		102		102	
S	1629	103		104		100		97		100	
S	1637	96		98		96		95		94	
S	1645	93		96		95		94		94	
S	1653	91		94		94		93		92	
ICV	1701	99		99		96		93		97	
ICB	1709	96		96		95		92		95	
ICSA	1716	88		94		88		84		86	
ICSAB	1724	88		92		86		82		84	
ICSA	1732	92		94		90		87		89	
ICSAB	1740	79		83		83		82		78	
CCV	1748	86		89		90		89		86	
CCB	1756	91		91		91		91		89	
ZZZZZZ	1804										
ZZZZZZ	1812										
PBW	1819	98		100		93		92		91	
ZZZZZZ	1843										
LCS	1851	94		95		94		94		94	
ZZZZZZ	1859										
ZZZZZZ	1907										
ZZZZZZ	1915										
ZZZZZZ	1923										
ZZZZZZ	1931										
CCV	1938	94		96		91		94		90	
CCB	1946	101		101		94		95		93	
ZZZZZZ	1954										
ZZZZZZ	2002										
ZZZZZZ	2010										
ZZZZZZ	2018										
ZZZZZZ	2026										
MF4Q23	2034	82		89		92		84		76	
MF4Q19	2042	82		88		79		84		75	
MF4Q26	2049	84		90		79		84		75	
MF4Q23	2057	95		98		88		93		88	
MF4Q19	2105	94		97		88		92		87	
CCV	2113	86		90		87		92		83	
CCB	2121	91		95		90		95		87	
MF4Q26	2129	92		96		88		95		89	
MF4Q27	2137	86		92		80		86		78	
MF4Q28	2145	83		90		80		88		75	
MF4Q30	2153	86		91		84		88		77	
MF4Q31	2200	88		92		78		83		76	
MF4Q60	2208	90		95		79		87		76	
MF4Q27	2216	96		99		88		96		88	

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/04/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
MF4Q28	2224	97		100		88		97		89	
MF4Q30	2232	100		102		88		96		90	
MF4Q31	2240	94		98		87		96		86	
CCV	2248	91		97		86		93		84	
CCB	2256	98		99		88		96		89	
MF4Q60	2304	98		100		88		97		89	
MF4Q17	2312	84		90		77		88		74	
MF4Q22	2320	92		97		83		93		80	
MF4Q22D	2327	93		99		83		95		81	
MF4Q22S	2335	90		96		86		100		80	
MF4Q22L	2343	100		105		91		106		91	
MF4Q22	2351	100		105		95		110		95	
MF4Q22D	2359	99		105		94		111		93	
MF4Q22S	0007	105		109		97		113		98	
MF4Q22L	0015	102		106		97		113		96	
CCV	0023	98		104		95		111		92	
CCB	0031	107		110		100		115		99	
MF4Q17	0039	100		105		96		114		94	
MF4Q20	0047	94		102		105		106		86	
MF4Q21	0054	97		105		92		107		88	
MF4Q24	0102	94		100		90		107		84	
MF4Q25	0110	96		104		96		108		86	
MF4Q29	0118	95		104		104		113		87	
MF4Q20	0126	100		106		99		124		96	
MF4Q21	0134	109		113		102		126	R	102	
MF4Q24	0142	105		111		101		125		99	
MF4Q25	0150	103		109		100		123		97	
CCV	0158	103		109		97		118		96	
CCB	0206	100		105		97		119		96	
MF4Q29	0214	103		108		97		123		97	
MF4Q13	0222	95		104		101		110		87	
MF4Q13	0229	101		107		97		122		95	
MF4Q58	0237	95		102		107		108		85	
MF4Q59	0245	96		105		106		110		87	
MF4Q58	0253	103		107		100		127	R	97	
MF4Q59	0301	110		114		104		131	R	103	
ZZZZZZ	0309										
ZZZZZZ	0317										
ZZZZZZ	0325										
CCV	0333	100		106		96		123		94	
CCB	0341	108		112		102		132		102	
ZZZZZZ	0349										
ZZZZZZ	0357										
ZZZZZZ	0404										
ZZZZZZ	0412										

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/04/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	0420										
ZZZZZZ	0428										
ZZZZZZ	0436										
ZZZZZZ	0444										
ZZZZZZ	0452										
ZZZZZZ	0500										
CCV	0508	96		103		93		121		92	
CCB	0516	108		112		100		130		102	
ZZZZZZ	0524										
ZZZZZZ	0532										
ZZZZZZ	0540										
ZZZZZZ	0548										
ZZZZZZ	0555										
ZZZZZZ	0603										
ZZZZZZ	0611										
ZZZZZZ	0619										
ZZZZZZ	0627										
ZZZZZZ	0635										
CCV	0643	106		111		100		128		99	
CCB	0651	114		117		105		134		107	

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/05/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	1515	100		100		100		100		100	
S	1523	99		99		100		101		101	
S	1531	98		99		101		102		100	
S	1538	97		98		100		101		100	
S	1546	97		99		100		98		98	
S	1554	91		96		98		96		95	
ICV	1618	96		97		97		97		98	
ICB	1626	99		99		98		97		98	
ICSA	1634	87		90		86		83		84	
ICSAB	1642	85		88		85		82		83	
ICSA	1650	92		93		90		89		92	
ICSAB	1658	95		94		89		88		91	
CCV	1705	94		96		93		92		91	
CCB	1713	97		96		95		96		98	
ZZZZZZ	1721										
MF4Q21	1729	92		93		100		101		98	
MF4Q29	1737	97		98		99		101		98	
MF4Q13	1745	83		87		92		87		83	
MF4Q13	1753	92		94		100		102		97	
MF4Q58	1801	84		88		100		92		86	
MF4Q59	1809	86		89		100		91		86	
ZZZZZZ	1817										
MF4Q58	1825	92		95		101		105		99	
MF4Q59	1832	94		96		102		105		99	
CCV	1840	91		94		96		98		94	
CCB	1848	93		95		99		102		97	
ZZZZZZ	1856										
ZZZZZZ	1904										
ZZZZZZ	1912										
ZZZZZZ	1920										
ZZZZZZ	1928										
ZZZZZZ	1936										
ZZZZZZ	1944										
ZZZZZZ	1952										
ZZZZZZ	1959										
ZZZZZZ	2007										
CCV	2015	84		88		91		94		89	
CCB	2023	76		78		87		94		82	
ZZZZZZ	2031										
ZZZZZZ	2039										
ZZZZZZ	2047										
ZZZZZZ	2055										
ZZZZZZ	2103										
ZZZZZZ	2111										
ZZZZZZ	2119										

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/05/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For: Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	2127										
ZZZZZZ	2135										
ZZZZZZ	2142										
CCV	2150	84		89		92		97		90	
CCB	2158	93		93		98		102		97	

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/04/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	1613	100									
S	1621	101									
S	1629	104									
S	1637	98									
S	1645	95									
S	1653	93									
ICV	1701	98									
ICB	1709	96									
ICSA	1716	92									
ICSAB	1724	92									
ICSA	1732	93									
ICSAB	1740	82									
CCV	1748	89									
CCB	1756	91									
ZZZZZZ	1804										
ZZZZZZ	1812										
PBW	1819	98									
ZZZZZZ	1843										
LCS	1851	95									
ZZZZZZ	1859										
ZZZZZZ	1907										
ZZZZZZ	1915										
ZZZZZZ	1923										
ZZZZZZ	1931										
CCV	1938	97									
CCB	1946	100									
ZZZZZZ	1954										
ZZZZZZ	2002										
ZZZZZZ	2010										
ZZZZZZ	2018										
ZZZZZZ	2026										
MF4Q23	2034	88									
MF4Q19	2042	88									
MF4Q26	2049	90									
MF4Q23	2057	97									
MF4Q19	2105	96									
CCV	2113	91									
CCB	2121	94									
MF4Q26	2129	96									
MF4Q27	2137	92									
MF4Q28	2145	90									
MF4Q30	2153	92									
MF4Q31	2200	93									
MF4Q60	2208	96									
MF4Q27	2216	98									

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/04/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
MF4Q28	2224	100									
MF4Q30	2232	102									
MF4Q31	2240	97									
CCV	2248	96									
CCB	2256	99									
MF4Q60	2304	100									
MF4Q17	2312	90									
MF4Q22	2320	97									
MF4Q22D	2327	99									
MF4Q22S	2335	96									
MF4Q22L	2343	105									
MF4Q22	2351	104									
MF4Q22D	2359	104									
MF4Q22S	0007	108									
MF4Q22L	0015	105									
CCV	0023	103									
CCB	0031	109									
MF4Q17	0039	104									
MF4Q20	0047	102									
MF4Q21	0054	105									
MF4Q24	0102	101									
MF4Q25	0110	105									
MF4Q29	0118	104									
MF4Q20	0126	105									
MF4Q21	0134	112									
MF4Q24	0142	110									
MF4Q25	0150	107									
CCV	0158	109									
CCB	0206	104									
MF4Q29	0214	106									
MF4Q13	0222	104									
MF4Q13	0229	106									
MF4Q58	0237	102									
MF4Q59	0245	105									
MF4Q58	0253	106									
MF4Q59	0301	113									
ZZZZZZ	0309										
ZZZZZZ	0317										
ZZZZZZ	0325										
CCV	0333	106									
CCB	0341	111									
ZZZZZZ	0349										
ZZZZZZ	0357										
ZZZZZZ	0404										
ZZZZZZ	0412										

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/04/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	0420										
ZZZZZZ	0428										
ZZZZZZ	0436										
ZZZZZZ	0444										
ZZZZZZ	0452										
ZZZZZZ	0500										
CCV	0508	102									
CCB	0516	110									
ZZZZZZ	0524										
ZZZZZZ	0532										
ZZZZZZ	0540										
ZZZZZZ	0548										
ZZZZZZ	0555										
ZZZZZZ	0603										
ZZZZZZ	0611										
ZZZZZZ	0619										
ZZZZZZ	0627										
ZZZZZZ	0635										
CCV	0643	110									
CCB	0651	117									

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/05/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	1515	100									
S	1523	99									
S	1531	98									
S	1538	98									
S	1546	99									
S	1554	95									
ICV	1618	97									
ICB	1626	99									
ICSA	1634	91									
ICSAB	1642	88									
ICSA	1650	92									
ICSAB	1658	95									
CCV	1705	96									
CCB	1713	97									
ZZZZZZ	1721										
MF4Q21	1729	93									
MF4Q29	1737	97									
MF4Q13	1745	86									
MF4Q13	1753	93									
MF4Q58	1801	88									
MF4Q59	1809	90									
ZZZZZZ	1817										
MF4Q58	1825	95									
MF4Q59	1832	96									
CCV	1840	95									
CCB	1848	94									
ZZZZZZ	1856										
ZZZZZZ	1904										
ZZZZZZ	1912										
ZZZZZZ	1920										
ZZZZZZ	1928										
ZZZZZZ	1936										
ZZZZZZ	1944										
ZZZZZZ	1952										
ZZZZZZ	1959										
ZZZZZZ	2007										
CCV	2015	88									
CCB	2023	78									
ZZZZZZ	2031										
ZZZZZZ	2039										
ZZZZZZ	2047										
ZZZZZZ	2055										
ZZZZZZ	2103										
ZZZZZZ	2111										
ZZZZZZ	2119										

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41345 Mod. Ref. No.: SDG NO.: MF4Q23

ICP-MS Instrument ID: P6 Start Date: 06/05/2011 End Date: 06/05/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	2127										
ZZZZZZ	2135										
ZZZZZZ	2142										
CCV	2150	88									
CCB	2158	93									

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group **Contract:** EPW09038

Lab Code: CHEM **Case No.:** 41345 **Mod. Ref. No.:** **SDG No.:** MF4Q23

Instrument ID: P6 **Start Date:** 06/04/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0.00	0.00000	0	20.0	22	-12	2500	2571	-3
Antimony	0.00	0.00000	0	2.00	2.0	0	125	124	1
Arsenic	0.00	0.00000	0	1.00	1.0	-1	125	125	0
Barium	0.00	0.00000	0	10.0	9.8	2	625	613	2
Beryllium	0.00	0.00000	0	1.00	1.0	-4	125	130	-4
Cadmium	0.00	0.00000	0	1.00	0.93	7	125	127	-2
Calcium	0.00	0.00000	0	500	537	-7	12500	12610	-1
Chromium	0.00	0.00000	0	2.00	2.1	-4	125	125	0
Cobalt	0.00	0.00000	0	1.00	1.1	-6	125	123	1
Copper	0.00	0.00000	0	2.00	2.2	-9	250	253	-1
Iron	0.00	0.00000	0	200	210	-5	6250	6292	-1
Lead	0.00	0.00000	0	1.00	1.0	-1	125	124	0
Magnesium	0.00	0.00000	0	500	541	-8	12500	13030	-4
Manganese	0.00	0.00000	0	1.00	1.1	-11	250	252	-1
Nickel	0.00	0.00000	0	1.00	1.2	-17	125	125	0
Potassium	0.00	0.00000	0	500	509	-2	6250	6190	1
Selenium	0.00	0.00000	0	5.00	4.8	4	125	126	0
Silver	0.00	0.00000	0	1.00	1.0	-4	125	128	-2
Sodium	0.00	0.00000	0	500	515	-3	12500	12780	-2
Thallium	0.00	0.00000	0	1.00	1.0	-1	125	124	1
Vanadium	0.00	0.00000	0	5.00	5.1	-2	125	123	2
Zinc	0.00	0.00000	0	2.00	2.6	-30	250	252	-1

Control Limits ± 30

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group **Contract:** EPW09038

Lab Code: CHEM **Case No.:** 41345 **Mod. Ref. No.:** **SDG No.:** MF4Q23

Instrument ID: P6 **Start Date:** 06/05/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0.00	0.00000	0	20.0	18	8	2500	2551	-2
Beryllium	0.00	0.00000	0	1.00	1.0	-3	125	127	-1
Calcium	0.00	0.00000	0	500	509	-2	12500	12680	-1
Magnesium	0.00	0.00000	0	500	524	-5	12500	12770	-2
Potassium	0.00	0.00000	0	500	524	-5	6250	6377	-2
Sodium	0.00	0.00000	0	500	494	1	12500	12550	0

Control Limits ± 30

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group **Contract:** EPW09038

Lab Code: CHEM **Case No.:** 41345 **Mod. Ref. No.:** **SDG No.:** MF4Q23

Instrument ID: P6 **Start Date:** 06/04/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	5000	5084	-2	10000	10140	-1	20000	19900	1
Antimony	250	251	0	500	499	0	1000	1001	0
Arsenic	250	250	0	500	503	-1	1000	998	0
Barium	1250	1233	1	2500	2498	0	5000	5007	0
Beryllium	250	255	-2	500	506	-1	1000	995	1
Cadmium	250	255	-2	500	507	-1	1000	995	0
Calcium	25000	25010	0	50000	50080	0	100000	99940	0
Chromium	250	252	-1	500	508	-2	1000	996	0
Cobalt	250	249	0	500	500	0	1000	1000	0
Copper	500	510	-2	1000	1022	-2	2000	1986	1
Iron	12500	12370	1	25000	24960	0	50000	48680	3
Lead	250	251	0	500	502	0	1000	999	0
Magnesium	25000	25870	-3	50000	50610	-1	100000	99410	1
Manganese	500	510	-2	1000	999	0	2000	1998	0
Nickel	250	250	0	500	504	-1	1000	998	0
Potassium	12500	12120	3	25000	24970	0	50000	50120	0
Selenium	250	257	-3	500	503	-1	1000	997	0
Silver	250	256	-3	500	508	-2	1000	994	1
Sodium	25000	25390	-2	50000	50510	-1	100000	99610	0
Thallium	250	248	1	500	501	0	1000	1000	0
Vanadium	250	248	1	500	499	0	1000	1001	0
Zinc	500	498	0	1000	993	1	2000	1933	3

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group **Contract:** EPW09038

Lab Code: CHEM **Case No.:** 41345 **Mod. Ref. No.:** **SDG No.:** MF4Q23

Instrument ID: P6 **Start Date:** 06/05/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	5000	4998	0	10000	10070	-1	20000	19960	0
Beryllium	250	254	-2	500	505	-1	1000	996	0
Calcium	25000	25150	-1	50000	50100	0	100000	99890	0
Magnesium	25000	25450	-2	50000	50860	-2	100000	99420	1
Potassium	12500	12770	-2	25000	25250	-1	50000	49790	0
Sodium	25000	24950	0	50000	50620	-1	100000	99700	0

Control Limits ± 30

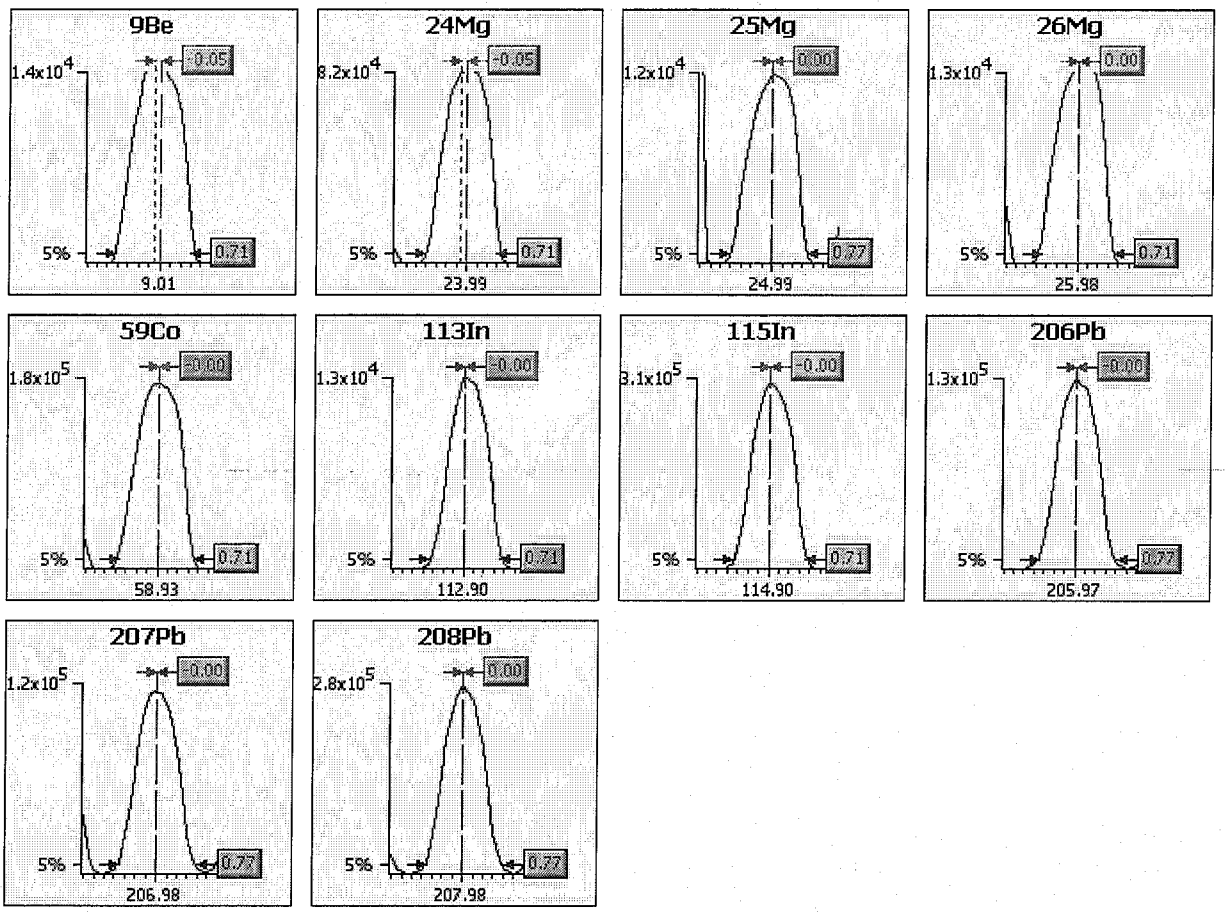
Performance Report

(TUNE)

Sample details
Sample name : TUNE
Acquired at : 06/04/2011 03:11:09 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	0.71	-0.05
24Mg	0.85	0.65	0.10	0.71	-0.05
25Mg	0.85	0.65	0.10	0.77	0.00
26Mg	0.85	0.65	0.10	0.71	0.00
59Co	0.85	0.65	0.10	0.71	-0.00
113In	0.85	0.65	0.10	0.71	-0.00
115In	0.85	0.65	0.10	0.71	-0.00
206Pb	0.85	0.65	0.10	0.77	-0.00
207Pb	0.85	0.65	0.10	0.77	-0.00
208Pb	0.85	0.65	0.10	0.77	0.00

INSTRUMENT ID: P6

Sample details
Sample name : TUNE
Acquired at : 06/04/2011 03:11:09 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

(TUNE)

Tune conditions

Major	
Extraction	-118
Lens 1	0.3
Focus	25.9
D1	-36.9
Pole Bias	4.0
Hexapole Bias	-3.0
Nebuliser	0.86
Sampling Depth	130

Minor	
Lens 2	-32.9
Lens 3	-200.0
Forward power	1350
Horizontal	30
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	03:11:31 PM	1.538	15677.059	85662.217	11397.622	13893.676	182849.67	2552.536	12584.772	302224.19
2	03:12:00 PM	0.000	15647.026	85425.420	11792.558	14194.741	185198.10	2587.927	12996.679	317487.63
3	03:12:29 PM	0.000	15868.809	86284.406	11799.486	14097.722	186031.90	2627.165	12860.401	314065.53
4	03:12:57 PM	0.769	15509.953	84947.197	11701.714	14058.452	183533.74	2565.615	12766.471	309208.20
5	03:13:26 PM	0.000	15728.654	85441.671	11831.051	14151.621	185006.40	2613.316	12952.023	307208.83
x		0.462	15686.300	85552.182	11704.486	14079.243	184523.96	2589.312	12832.069	310038.88
σ		0.69	130.22	485.42	178.17	115.96	1298.54	31.32	164.12	5946.98
%RSD		149.071	0.830	0.567	1.522	0.824	0.704	1.210	1.279	1.918

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	03:11:31 PM	202963.16	298065.87	4142.908	127958.20	114273.69	275302.77	0.000
2	03:12:00 PM	206910.73	299040.54	4185.228	129741.87	116007.58	275245.53	0.000
3	03:12:29 PM	206374.59	298680.04	4333.734	129787.67	116846.68	277994.15	0.000
4	03:12:57 PM	202222.77	294158.43	4164.453	130595.76	115163.87	270610.54	0.000
5	03:13:26 PM	203854.95	296859.60	4315.267	130821.66	114904.87	273840.45	0.769
x		204465.24	297360.90	4228.318	129781.03	115439.34	274598.69	0.154
σ		2078.66	1972.65	89.31	1125.94	1002.97	2689.03	0.34
%RSD		1.017	0.663	2.112	0.868	0.869	0.979	223.607

Ratio results

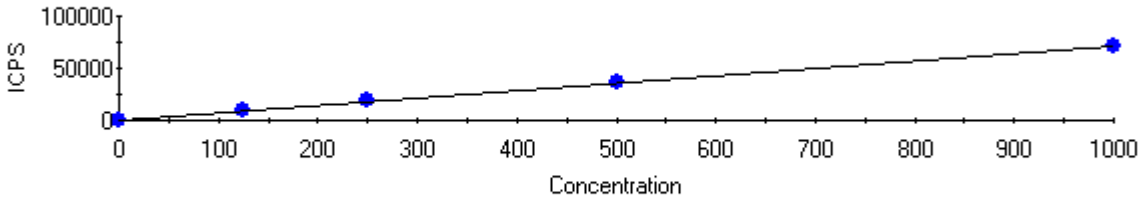
Run	Time	156Ce O/140Ce	138Ba++/138Ba
Ratio limits		<0.0200	<0.0300
1	03:11:31 PM	0.014	0.013
2	03:12:00 PM	0.014	0.013
3	03:12:29 PM	0.015	0.013
4	03:12:57 PM	0.014	0.013
5	03:13:26 PM	0.015	0.013
x		0.0142	0.0127
σ		0.00	0.00
%RSD		2.0538	0.9772

Result : The performance report passed.

99	CCB	Unknown	1.000	2	4	2	144
100	C2362-16 MJDX53	Unknown	1.000	2	4	3	144
101	C2377-05 MJDX65	Unknown	1.000	2	4	4	144
102	C2377-06 MJDX65D	Unknown	1.000	2	4	5	144
103	C2377-07 MJDX65S	Unknown	1.000	2	4	6	144
104	C2377-05LX5 MJDX65L	Unknown	1.000	2	4	7	144
105	C2377-08 MJDX66	Unknown	1.000	2	4	8	144
106	C2377-09 MJDX67	Unknown	1.000	2	4	9	144
107	C2377-10 MJDX70	Unknown	1.000	2	4	10	144
108	ZZZZZZ	Unknown	1.000	2	4	11	144
109	ZZZZZZ	Unknown	1.000	2	4	12	144
110	CCV	Unknown	1.000	2	5	1	144
111	CCB	Unknown	1.000	2	5	2	144

Fully Quant Calibration

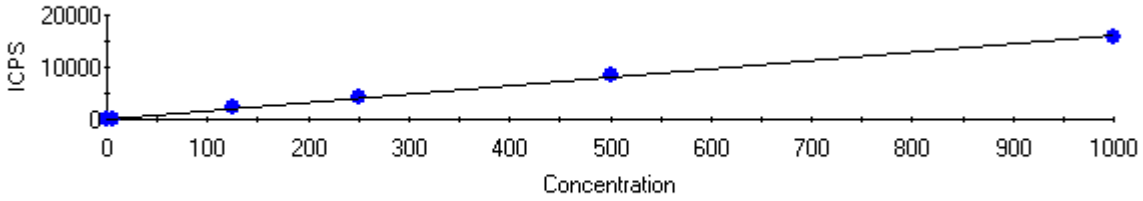
9Be FQ Block 1



Intercept CPS=5.038477 Intercept Conc=0.070037
Sensitivity=71.940496 Correlation Coeff=0.999948

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	5.04	0.00
S1 (S)	1.000	1.041	0.041	79.93	4.10
S2 (S)	125.000	129.656	4.656	9332.54	3.72
S3 (S)	250.000	255.369	5.369	18376.42	2.15
S4 (S)	500.000	506.168	6.168	36418.98	1.23
S5 (S)	1000.000	994.992	5.008	71585.25	0.50

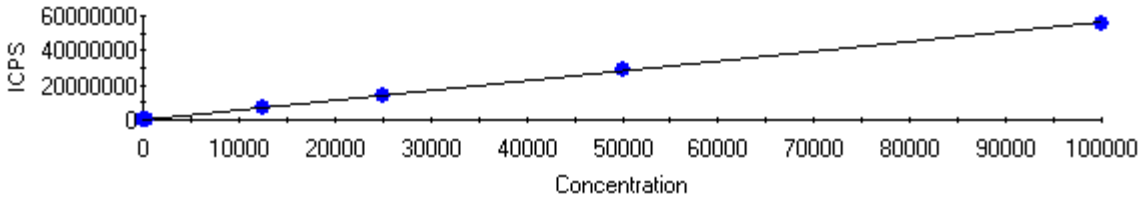
10B FQ Block 1



Intercept CPS=19.272065 Intercept Conc=1.196066
Sensitivity=16.112882 Correlation Coeff=0.999621

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	19.27	0.00
S1 (S)	5.000	5.675	0.675	110.71	13.49
S2 (S)	125.000	132.926	7.926	2161.09	6.34
S3 (S)	250.000	262.333	12.333	4246.21	4.93
S4 (S)	500.000	518.886	18.886	8380.03	3.78
S5 (S)	1000.000	986.480	13.520	15914.30	1.35

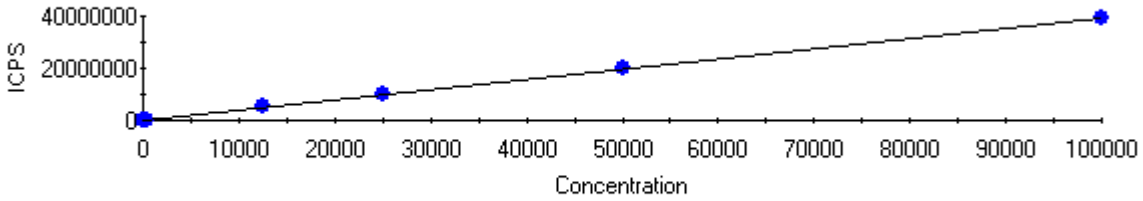
23Na FQ Block 1



Intercept CPS=20009.790958 Intercept Conc=35.748931
Sensitivity=559.731176 Correlation Coeff=0.999969

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	20009.79	0.00
S1 (S)	500.000	514.627	14.627	308062.55	2.93
S2 (S)	12500.000	12780.617	280.617	7173719.47	2.24
S3 (S)	25000.000	25393.679	393.679	14233643.45	1.57
S4 (S)	50000.000	50513.534	513.534	28294009.36	1.03
S5 (S)	100000.000	99609.663	390.337	55774643.74	0.39

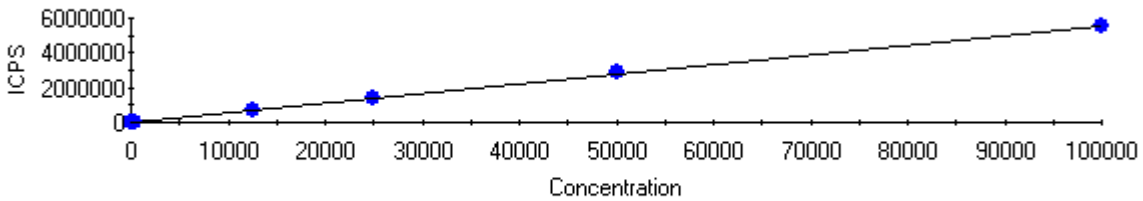
24Mg FQ Block 1



Intercept CPS=1419.428643 Intercept Conc=3.587600
Sensitivity=395.648525 Correlation Coeff=0.999924

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1419.43	0.00
S1 (S)	500.000	541.172	41.172	215533.47	8.23
S2 (S)	12500.000	13028.515	528.515	5156132.27	4.23
S3 (S)	25000.000	25869.296	869.296	10236568.33	3.48
S4 (S)	50000.000	50605.326	605.326	20023341.87	1.21
S5 (S)	100000.000	99413.743	586.257	39334320.11	0.59

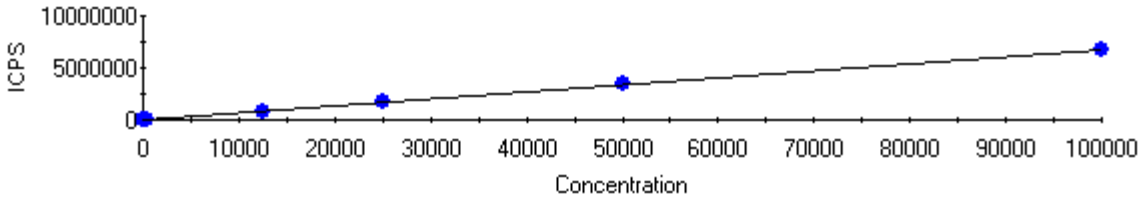
25Mg FQ Block 1



Intercept CPS=173.463362 Intercept Conc=3.100495
Sensitivity=55.946998 Correlation Coeff=0.999953

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	173.46	0.00
S1 (S)	500.000	533.714	33.714	30033.15	6.74
S2 (S)	12500.000	12981.896	481.896	726471.60	3.86
S3 (S)	25000.000	25565.516	565.516	1430487.33	2.26
S4 (S)	50000.000	50550.655	550.655	2828330.86	1.10
S5 (S)	100000.000	99522.888	477.112	5568180.26	0.48

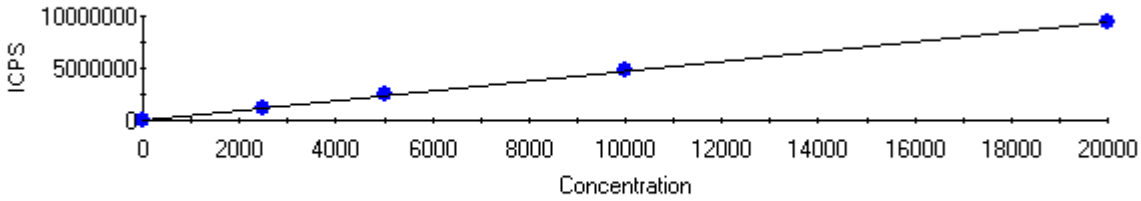
26Mg FQ Block 1



Intercept CPS=214.226174 Intercept Conc=3.202347
Sensitivity=66.896625 Correlation Coeff=0.999967

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	214.23	0.00
S1 (S)	500.000	537.950	37.950	36201.29	7.59
S2 (S)	12500.000	12828.268	328.268	858382.03	2.63
S3 (S)	25000.000	25349.944	349.944	1696039.91	1.40
S4 (S)	50000.000	50561.943	561.943	3382637.57	1.12
S5 (S)	100000.000	99590.319	409.681	6662470.43	0.41

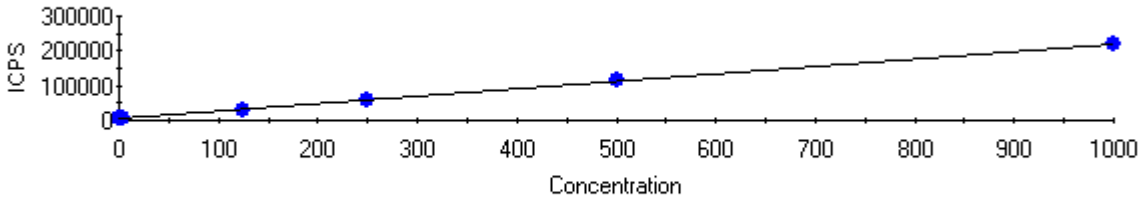
27Al FQ Block 1



Intercept CPS=663.650625 Intercept Conc=1.400008
Sensitivity=474.033477 Correlation Coeff=0.999951

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	663.65	0.00
S1 (S)	20.000	22.478	2.478	11319.06	12.39
S2 (S)	2500.000	2571.247	71.247	1219520.58	2.85
S3 (S)	5000.000	5083.666	83.666	2410491.30	1.67
S4 (S)	10000.000	10136.854	136.854	4805871.61	1.37
S5 (S)	20000.000	19901.749	98.251	9434758.70	0.49

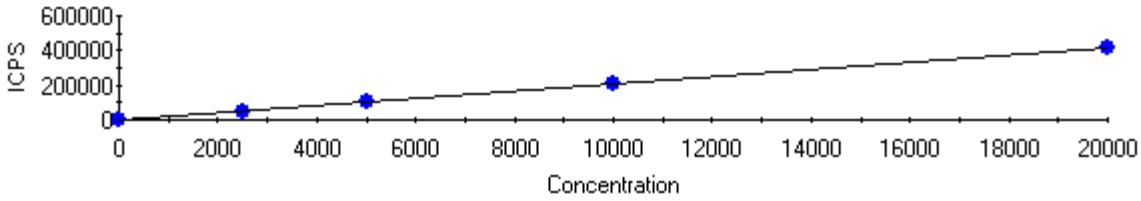
28Si FQ Block 1



Intercept CPS=3590.906379 Intercept Conc=16.615261
Sensitivity=216.120971 Correlation Coeff=0.999958

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	3590.91	0.00
S1 (S)	5.000	6.885	1.885	5078.88	37.70
S2 (S)	125.000	125.581	0.581	30731.51	0.46
S3 (S)	250.000	247.546	2.454	57090.82	0.98
S4 (S)	500.000	506.915	6.915	113145.94	1.38
S5 (S)	1000.000	997.074	2.926	219079.47	0.29

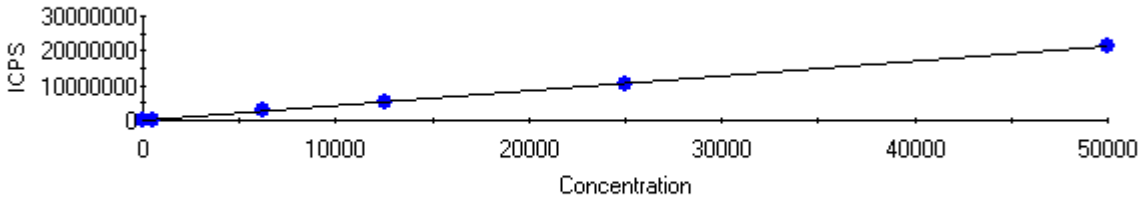
31P FQ Block 1



Intercept CPS=1237.135100 Intercept Conc=60.359983
Sensitivity=20.495949 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1237.14	0.00
S1 (S)	0.000	-0.805	0.805	1220.63	0.00
S2 (S)	2500.000	2463.111	36.889	51720.92	1.48
S3 (S)	5000.000	4958.467	41.533	102865.62	0.83
S4 (S)	10000.000	10065.615	65.615	207541.46	0.66
S5 (S)	20000.000	19982.187	17.813	410791.01	0.09

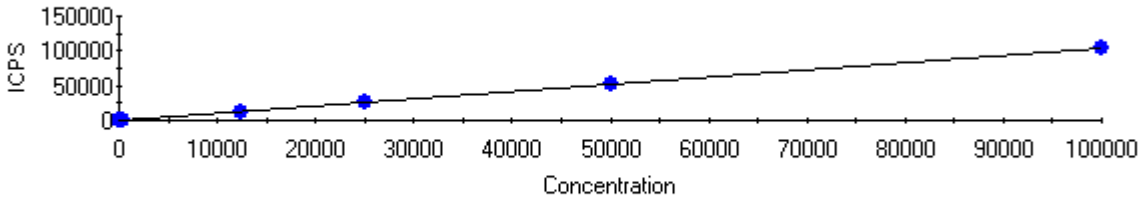
39K FQ Block 1



Intercept CPS=60969.906441 Intercept Conc=144.698673
Sensitivity=421.357744 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	60969.91	0.00
S1 (S)	500.000	508.895	8.895	275396.92	1.78
S2 (S)	6250.000	6189.779	60.221	2669081.30	0.96
S3 (S)	12500.000	12123.273	376.727	5169204.88	3.01
S4 (S)	25000.000	24971.459	28.541	10582887.43	0.11
S5 (S)	50000.000	50115.891	115.891	21177688.71	0.23

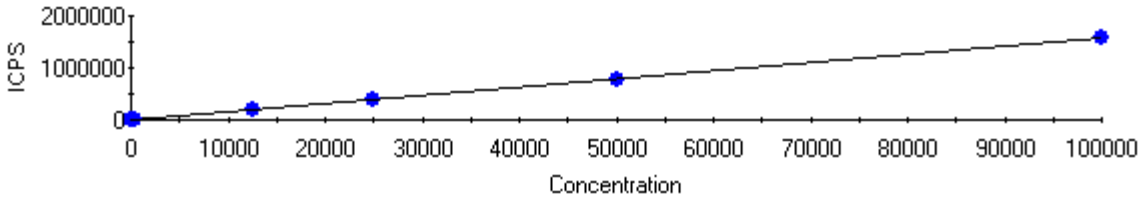
43Ca FQ Block 1



Intercept CPS=11.451914 Intercept Conc=11.039374
Sensitivity=1.037370 Correlation Coeff=0.999906

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	11.45	0.00
S1 (S)	500.000	466.980	33.020	495.88	6.60
S2 (S)	12500.000	11560.521	939.479	12003.99	7.52
S3 (S)	25000.000	25195.427	195.427	26148.43	0.78
S4 (S)	50000.000	50664.092	664.092	52568.85	1.33
S5 (S)	100000.000	99736.697	263.303	103475.30	0.26

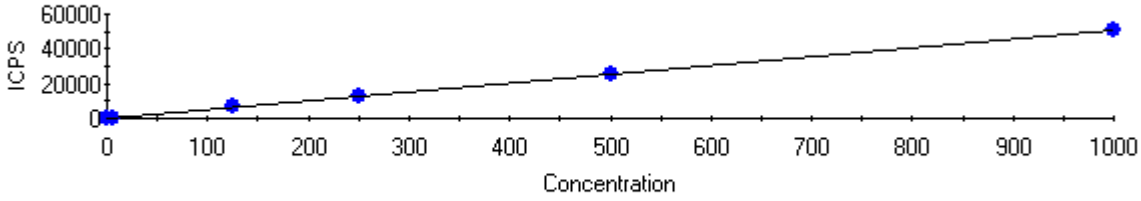
44Ca FQ Block 1



Intercept CPS=284.467778 Intercept Conc=18.249294
Sensitivity=15.587878 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	284.47	0.00
S1 (S)	500.000	537.008	37.008	8655.28	7.40
S2 (S)	12500.000	12614.060	114.060	196910.89	0.91
S3 (S)	25000.000	25013.082	13.082	390185.34	0.05
S4 (S)	50000.000	50082.190	82.190	780959.55	0.16
S5 (S)	100000.000	99941.192	58.808	1558155.60	0.06

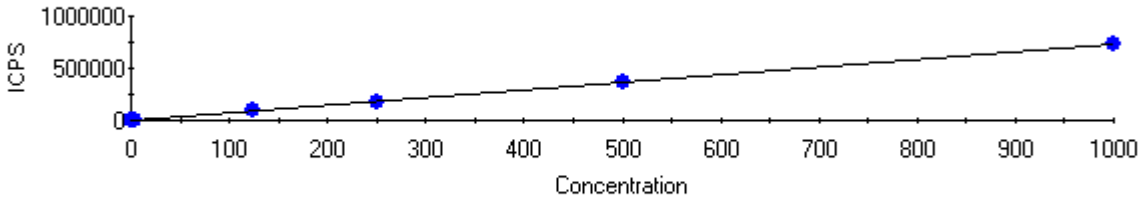
47Ti FQ Block 1



Intercept CPS=5.203708 Intercept Conc=0.102630
Sensitivity=50.703408 Correlation Coeff=0.999985

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	5.20	0.00
S1 (S)	5.000	4.974	0.026	257.38	0.53
S2 (S)	125.000	126.069	1.069	6397.32	0.85
S3 (S)	250.000	254.570	4.570	12912.78	1.83
S4 (S)	500.000	501.696	1.696	25442.90	0.34
S5 (S)	1000.000	997.876	2.124	50600.92	0.21

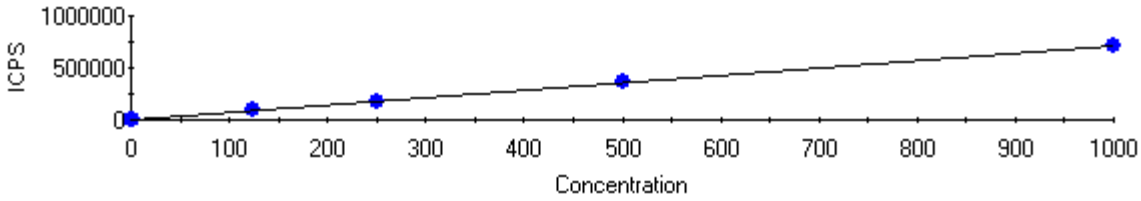
51V FQ Block 1



Intercept CPS=62.556898 Intercept Conc=0.085403
Sensitivity=732.487686 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	62.56	0.00
S1 (S)	5.000	5.084	0.084	3786.29	1.67
S2 (S)	125.000	122.462	2.538	89764.26	2.03
S3 (S)	250.000	248.057	1.943	181761.51	0.78
S4 (S)	500.000	499.277	0.723	365776.98	0.14
S5 (S)	1000.000	1001.164	1.164	733402.80	0.12

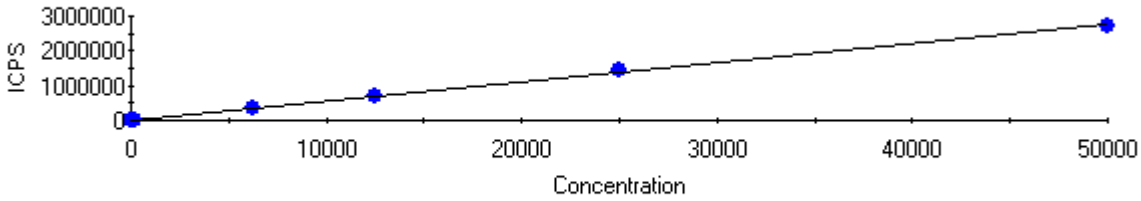
52Cr FQ Block 1



Intercept CPS=301.743692 Intercept Conc=0.420473
Sensitivity=717.629723 Correlation Coeff=0.999945

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	301.74	0.00
S1 (S)	2.000	2.076	0.076	1791.44	3.79
S2 (S)	125.000	124.530	0.470	89668.28	0.38
S3 (S)	250.000	252.020	2.020	181158.98	0.81
S4 (S)	500.000	508.026	8.026	364875.96	1.61
S5 (S)	1000.000	995.541	4.459	714731.38	0.45

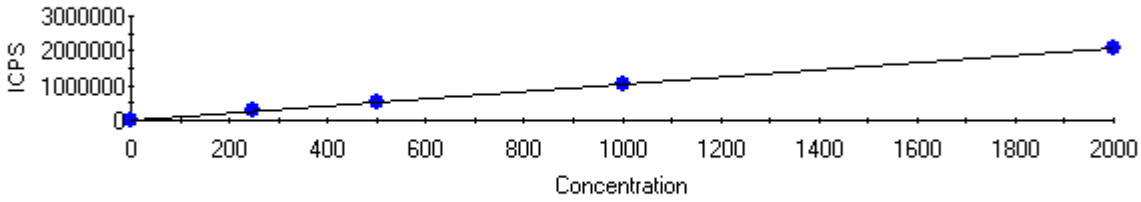
54Fe FQ Block 1



Intercept CPS=3327.902343 Intercept Conc=60.443137
Sensitivity=55.058399 Correlation Coeff=0.999836

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	3327.90	0.00
S1 (S)	200.000	211.472	11.472	14971.20	5.74
S2 (S)	6250.000	6387.239	137.239	354999.05	2.20
S3 (S)	12500.000	12877.496	377.496	712342.21	3.02
S4 (S)	25000.000	25641.876	641.876	1415128.55	2.57
S5 (S)	50000.000	49567.487	432.513	2732434.40	0.87

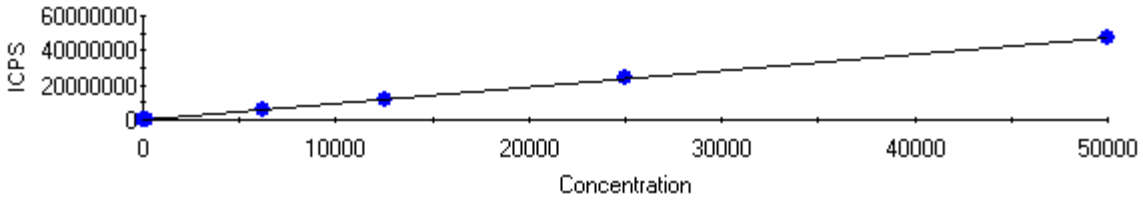
55Mn FQ Block 1



Intercept CPS=126.591910 Intercept Conc=0.121762
Sensitivity=1039.663965 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	126.59	0.00
S1 (S)	1.000	1.105	0.105	1275.42	10.50
S2 (S)	250.000	251.885	1.885	262002.06	0.75
S3 (S)	500.000	509.834	9.834	530182.62	1.97
S4 (S)	1000.000	999.321	0.679	1039084.52	0.07
S5 (S)	2000.000	1997.645	2.355	2077006.54	0.12

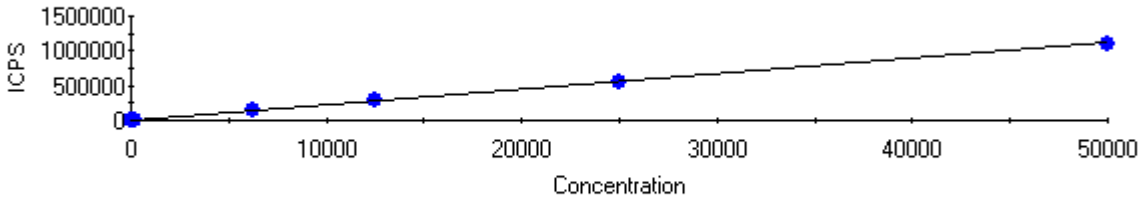
56Fe FQ Block 1



Intercept CPS=43970.623901 Intercept Conc=46.198553
Sensitivity=951.774915 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	43970.62	0.00
S1 (S)	200.000	208.212	8.212	242141.69	4.11
S2 (S)	6250.000	6269.985	19.985	6011585.07	0.32
S3 (S)	12500.000	12572.781	72.781	12010428.07	0.58
S4 (S)	25000.000	25146.654	146.654	23977925.12	0.59
S5 (S)	50000.000	49905.947	94.053	47543198.90	0.19

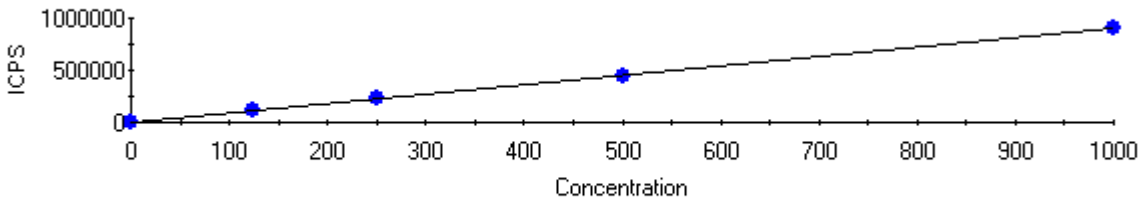
57Fe FQ Block 1



Intercept CPS=366.182057 Intercept Conc=16.325617
Sensitivity=22.429906 Correlation Coeff=0.999921

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	366.18	0.00
S1 (S)	200.000	210.256	10.256	5082.20	5.13
S2 (S)	6250.000	6292.083	42.083	141497.00	0.67
S3 (S)	12500.000	12372.713	127.287	277884.98	1.02
S4 (S)	25000.000	24955.074	44.926	560106.13	0.18
S5 (S)	50000.000	48677.178	1322.822	1092190.70	2.65

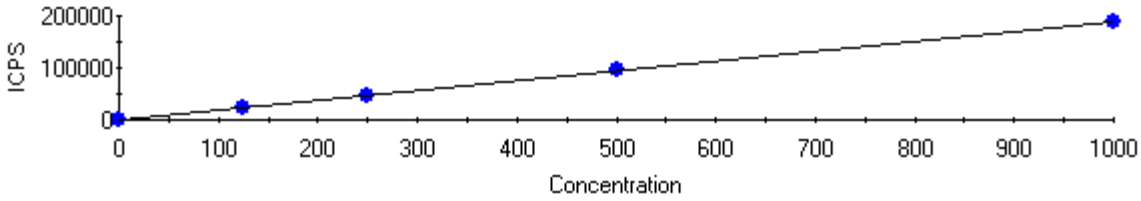
59Co FQ Block 1



Intercept CPS=7.772821 Intercept Conc=0.008692
Sensitivity=894.258444 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	7.77	0.00
S1 (S)	1.000	1.064	0.064	959.68	6.45
S2 (S)	125.000	123.154	1.846	110138.95	1.48
S3 (S)	250.000	249.122	0.878	222787.66	0.35
S4 (S)	500.000	499.986	0.014	447124.85	0.00
S5 (S)	1000.000	1000.457	0.457	894674.80	0.05

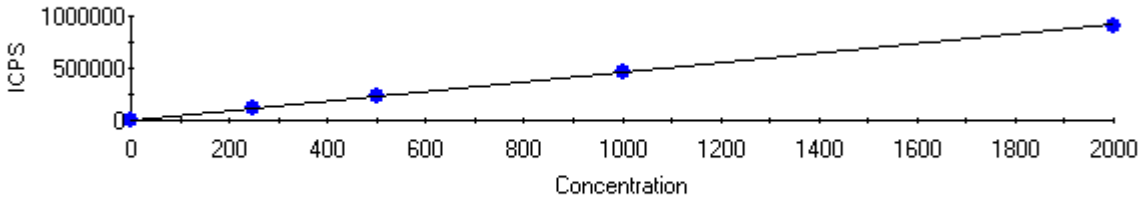
60Ni FQ Block 1



Intercept CPS=5.196171 Intercept Conc=0.027337
Sensitivity=190.077651 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	5.20	0.00
S1 (S)	1.000	1.165	0.165	226.57	16.46
S2 (S)	125.000	125.048	0.048	23773.99	0.04
S3 (S)	250.000	250.105	0.105	47544.48	0.04
S4 (S)	500.000	503.464	3.464	95702.36	0.69
S5 (S)	1000.000	998.236	1.764	189747.54	0.18

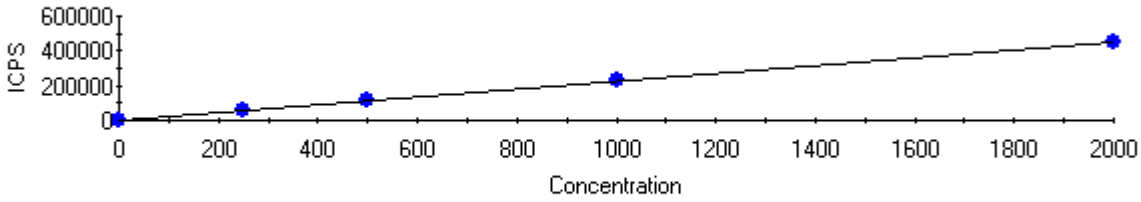
63Cu FQ Block 1



Intercept CPS=28.599111 Intercept Conc=0.062191
Sensitivity=459.860759 Correlation Coeff=0.999885

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	28.60	0.00
S1 (S)	2.000	2.174	0.174	1028.32	8.70
S2 (S)	250.000	253.070	3.070	116405.40	1.23
S3 (S)	500.000	510.210	10.210	234654.15	2.04
S4 (S)	1000.000	1022.434	22.434	470205.93	2.24
S5 (S)	2000.000	1985.847	14.153	913241.51	0.71

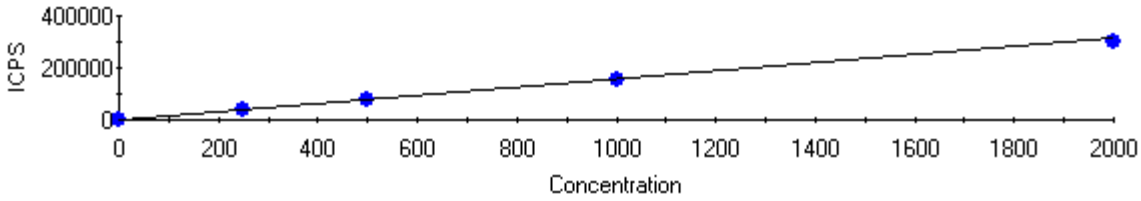
65Cu FQ Block 1



Intercept CPS=13.013840 Intercept Conc=0.057421
Sensitivity=226.638074 Correlation Coeff=0.999877

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	13.01	0.00
S1 (S)	2.000	2.073	0.073	482.89	3.66
S2 (S)	250.000	252.787	2.787	57304.25	1.11
S3 (S)	500.000	512.582	12.582	116183.72	2.52
S4 (S)	1000.000	1022.393	22.393	231726.16	2.24
S5 (S)	2000.000	1985.309	14.691	449959.73	0.73

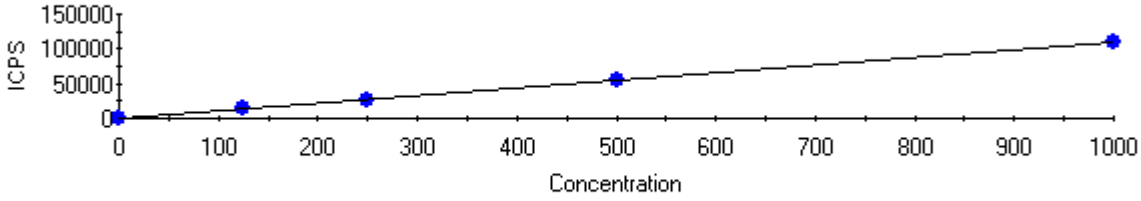
66Zn FQ Block 1



Intercept CPS=75.587310 Intercept Conc=0.483126
Sensitivity=156.454682 Correlation Coeff=0.999894

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	75.59	0.00
S1 (S)	2.000	2.597	0.597	481.86	29.84
S2 (S)	250.000	252.015	2.015	39504.58	0.81
S3 (S)	500.000	498.181	1.819	78018.40	0.36
S4 (S)	1000.000	993.344	6.656	155488.95	0.67
S5 (S)	2000.000	1932.706	67.294	302456.55	3.36

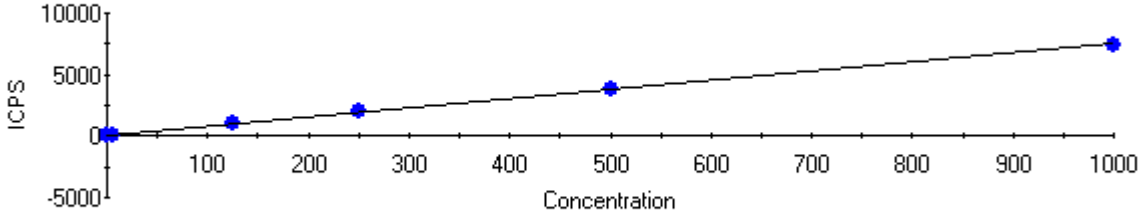
75As FQ Block 1



Intercept CPS=4.640003 Intercept Conc=0.042776
Sensitivity=108.471745 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	4.64	0.00
S1 (S)	1.000	1.015	0.015	114.78	1.53
S2 (S)	125.000	125.228	0.228	13588.34	0.18
S3 (S)	250.000	250.372	0.372	27162.89	0.15
S4 (S)	500.000	503.354	3.354	54604.37	0.67
S5 (S)	1000.000	998.201	1.799	108281.28	0.18

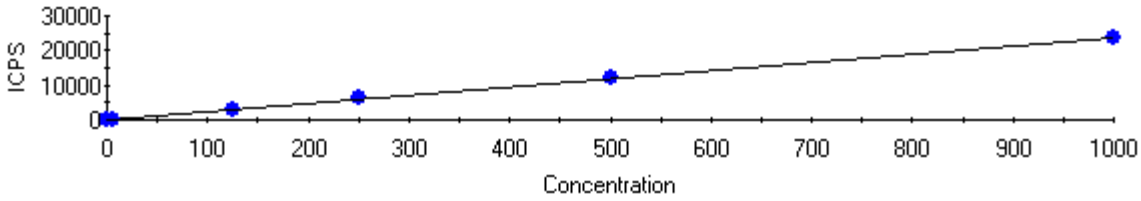
77Se FQ Block 1



Intercept CPS=1.823993 Intercept Conc=0.243021
Sensitivity=7.505491 Correlation Coeff=0.999887

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1.82	0.00
S1 (S)	5.000	4.857	0.143	38.28	2.86
S2 (S)	125.000	132.576	7.576	996.87	6.06
S3 (S)	250.000	260.711	10.711	1958.59	4.28
S4 (S)	500.000	506.284	6.284	3801.73	1.26
S5 (S)	1000.000	993.234	6.766	7456.53	0.68

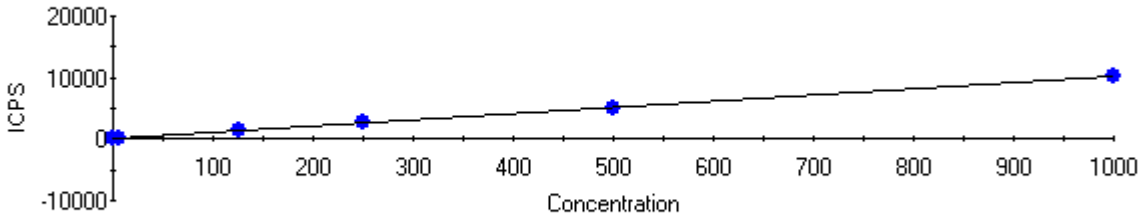
78Se FQ Block 1



Intercept CPS=162.153003 Intercept Conc=6.872327
Sensitivity=23.595064 Correlation Coeff=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	162.15	0.00
S1 (S)	5.000	4.340	0.660	264.56	13.20
S2 (S)	125.000	125.694	0.694	3127.92	0.56
S3 (S)	250.000	252.798	2.798	6126.95	1.12
S4 (S)	500.000	504.274	4.274	12060.53	0.85
S5 (S)	1000.000	997.080	2.920	23688.32	0.29

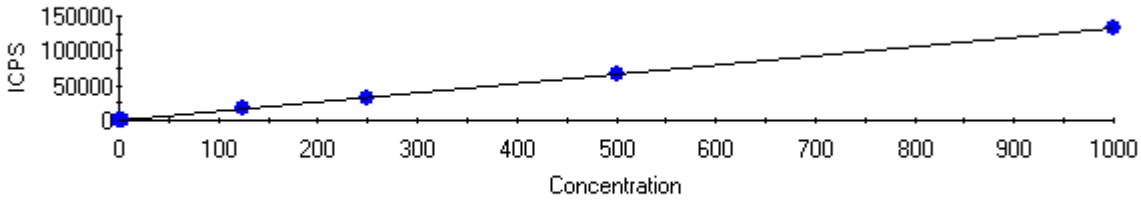
82Se FQ Block 1



Intercept CPS=1.922440 Intercept Conc=0.187737
Sensitivity=10.240088 Correlation Coeff=0.999964

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1.92	0.00
S1 (S)	5.000	4.812	0.188	51.20	3.76
S2 (S)	125.000	125.611	0.611	1288.19	0.49
S3 (S)	250.000	256.789	6.789	2631.47	2.72
S4 (S)	500.000	503.074	3.074	5153.44	0.61
S5 (S)	1000.000	996.690	3.310	10208.12	0.33

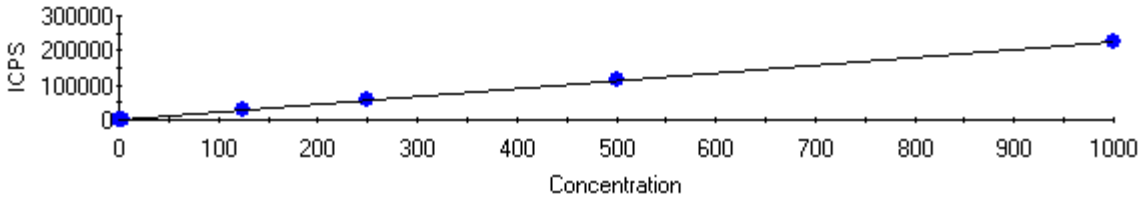
94Mo FQ Block 1



Intercept CPS=6.764991 Intercept Conc=0.050748
Sensitivity=133.305440 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	6.76	0.00
S1 (S)	5.000	4.656	0.344	627.42	6.88
S2 (S)	125.000	122.354	2.646	16317.18	2.12
S3 (S)	250.000	248.391	1.609	33118.57	0.64
S4 (S)	500.000	498.143	1.857	66411.89	0.37
S5 (S)	1000.000	1001.664	1.664	133533.96	0.17

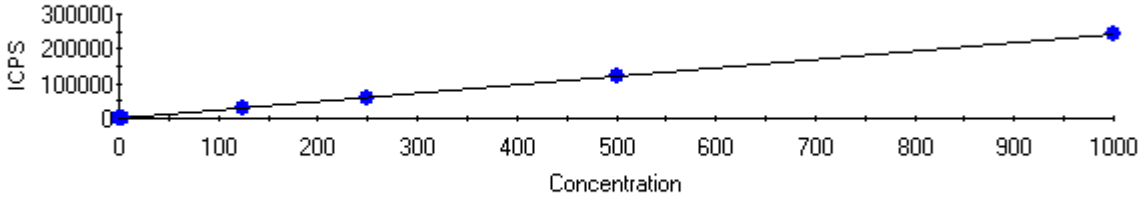
95Mo FQ Block 1



Intercept CPS=11.464275 Intercept Conc=0.050642
Sensitivity=226.377410 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	11.46	0.00
S1 (S)	5.000	4.719	0.281	1079.80	5.61
S2 (S)	125.000	124.422	0.578	28177.81	0.46
S3 (S)	250.000	248.294	1.706	56219.52	0.68
S4 (S)	500.000	500.830	0.830	113388.14	0.17
S5 (S)	1000.000	1000.085	0.085	226408.13	0.01

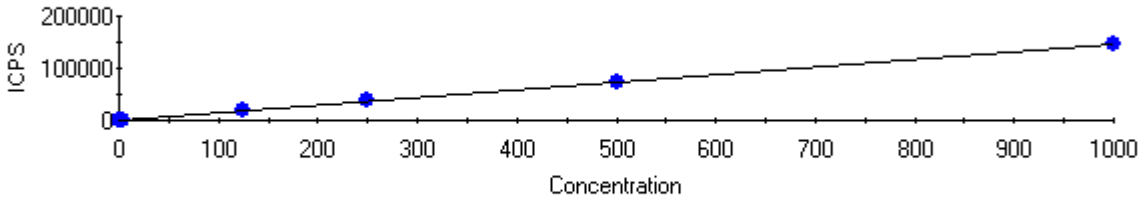
96Mo FQ Block 1



Intercept CPS=12.498342 Intercept Conc=0.051429
Sensitivity=243.019228 Correlation Coeff=0.999973

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	12.50	0.00
S1 (S)	5.000	4.881	0.119	1198.65	2.38
S2 (S)	125.000	123.966	1.034	30138.55	0.83
S3 (S)	250.000	246.976	3.024	60032.53	1.21
S4 (S)	500.000	505.139	5.139	122770.89	1.03
S5 (S)	1000.000	998.316	1.684	242622.60	0.17

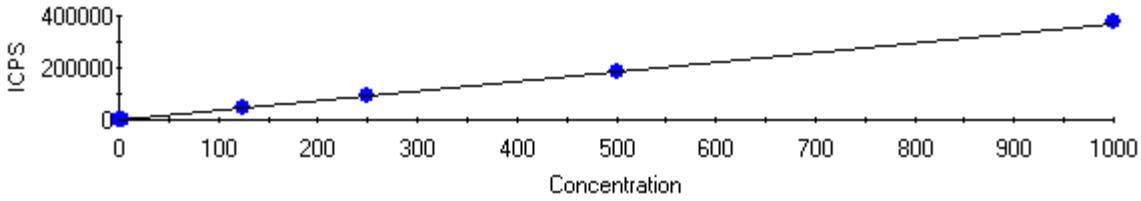
97Mo FQ Block 1



Intercept CPS=5.213791 Intercept Conc=0.035417
Sensitivity=147.209654 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	5.21	0.00
S1 (S)	5.000	4.655	0.345	690.45	6.90
S2 (S)	125.000	123.490	1.510	18184.08	1.21
S3 (S)	250.000	248.346	1.654	36564.09	0.66
S4 (S)	500.000	495.298	4.702	72917.88	0.94
S5 (S)	1000.000	1002.955	2.955	147649.88	0.30

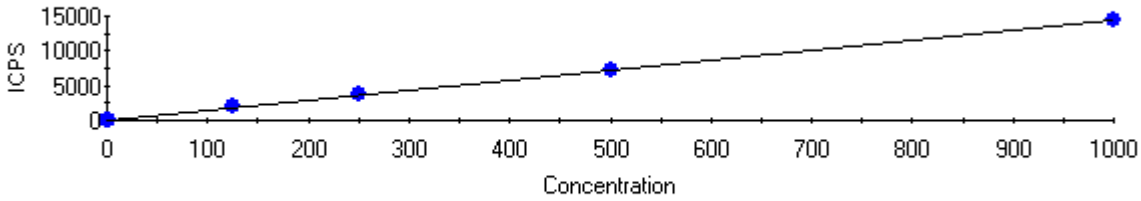
98Mo FQ Block 1



Intercept CPS=17.201816 Intercept Conc=0.046159
Sensitivity=372.661497 Correlation Coeff=0.999984

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	17.20	0.00
S1 (S)	5.000	4.882	0.118	1836.46	2.36
S2 (S)	125.000	121.351	3.649	45240.06	2.92
S3 (S)	250.000	245.432	4.568	91480.16	1.83
S4 (S)	500.000	498.937	1.063	185951.84	0.21
S5 (S)	1000.000	1002.130	2.130	373472.56	0.21

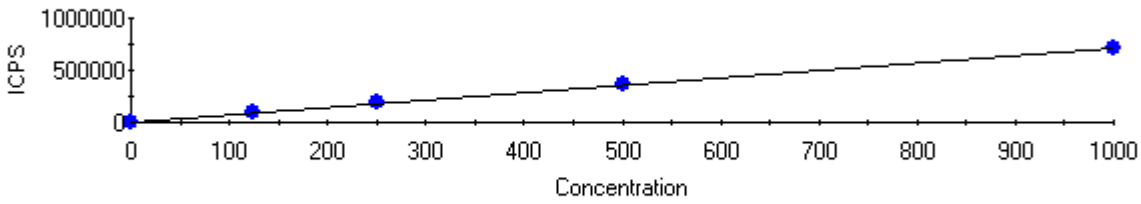
106Cd FQ Block 1



Intercept CPS=121.350096 Intercept Conc=8.523557
Sensitivity=14.237025 Correlation Coeff=0.999959

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	121.35	0.00
S1 (S)	1.000	0.152	0.848	123.52	84.78
S2 (S)	125.000	128.407	3.407	1949.48	2.73
S3 (S)	250.000	254.863	4.863	3749.84	1.95
S4 (S)	500.000	505.279	5.279	7315.02	1.06
S5 (S)	1000.000	995.720	4.280	14297.44	0.43

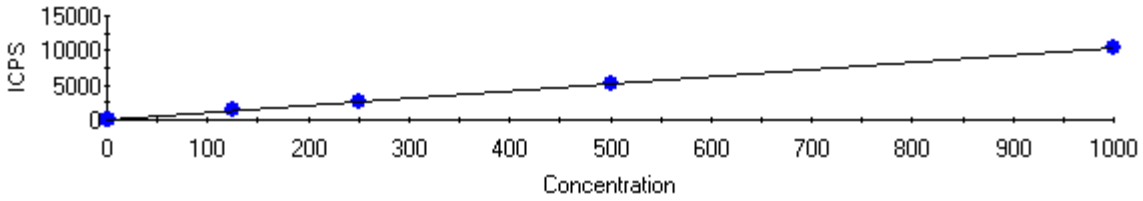
107Ag FQ Block 1



Intercept CPS=10.415282 Intercept Conc=0.014542
Sensitivity=716.236723 Correlation Coeff=0.999931

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	10.42	0.00
S1 (S)	1.000	1.045	0.045	758.60	4.46
S2 (S)	125.000	127.934	2.934	91641.80	2.35
S3 (S)	250.000	256.448	6.448	183687.54	2.58
S4 (S)	500.000	507.513	7.513	363509.64	1.50
S5 (S)	1000.000	994.265	5.735	712139.47	0.57

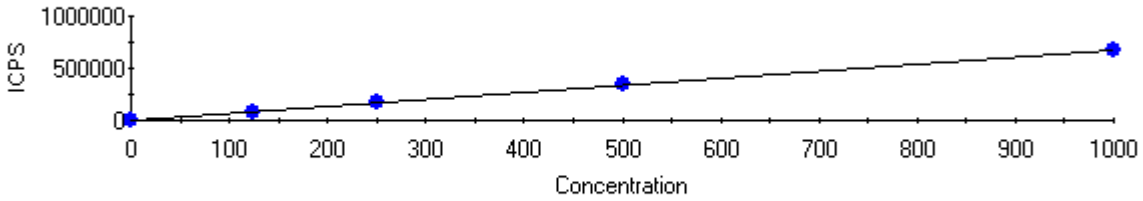
108Cd FQ Block 1



Intercept CPS=88.588019 Intercept Conc=8.531550
Sensitivity=10.383578 Correlation Coeff=0.999960

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	88.59	0.00
S1 (S)	1.000	0.153	0.847	90.18	84.65
S2 (S)	125.000	128.338	3.338	1421.19	2.67
S3 (S)	250.000	254.753	4.753	2733.84	1.90
S4 (S)	500.000	505.190	5.190	5334.27	1.04
S5 (S)	1000.000	995.800	4.200	10428.56	0.42

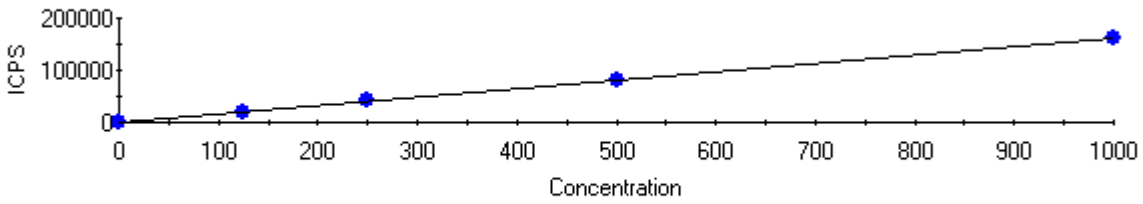
109Ag FQ Block 1



Intercept CPS=8.855264 Intercept Conc=0.013227
Sensitivity=669.487468 Correlation Coeff=0.999944

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	8.86	0.00
S1 (S)	1.000	1.048	0.048	710.25	4.77
S2 (S)	125.000	127.080	2.080	85086.99	1.66
S3 (S)	250.000	253.502	3.502	169725.17	1.40
S4 (S)	500.000	507.848	7.848	340006.91	1.57
S5 (S)	1000.000	994.940	5.060	666108.99	0.51

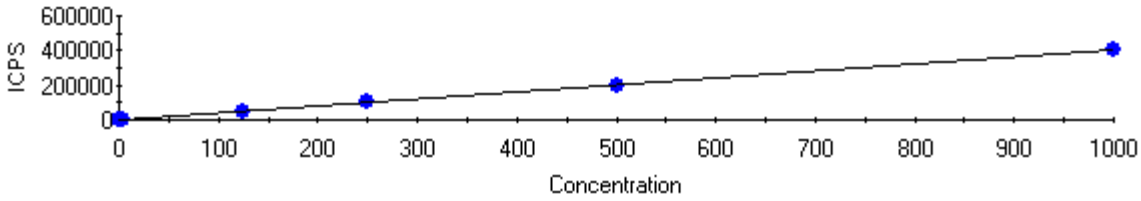
111Cd FQ Block 1



Intercept CPS=81.399933 Intercept Conc=0.501168
Sensitivity=162.420481 Correlation Coeff=0.999948

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	81.40	0.00
S1 (S)	1.000	0.927	0.073	231.96	7.30
S2 (S)	125.000	127.073	2.073	20720.74	1.66
S3 (S)	250.000	254.617	4.617	41436.39	1.85
S4 (S)	500.000	507.068	7.068	82439.69	1.41
S5 (S)	1000.000	995.052	4.948	161698.30	0.49

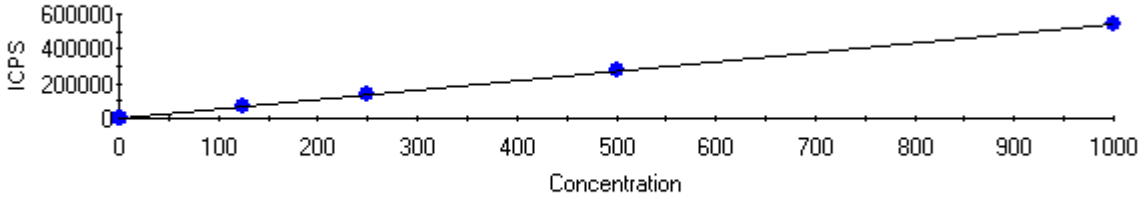
118Sn FQ Block 1



Intercept CPS=47.417541 Intercept Conc=0.116137
Sensitivity=408.290578 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	47.42	0.00
S1 (S)	5.000	4.817	0.183	2014.12	3.66
S2 (S)	125.000	123.853	1.147	50615.48	0.92
S3 (S)	250.000	251.441	1.441	102708.22	0.58
S4 (S)	500.000	493.539	6.461	201554.87	1.29
S5 (S)	1000.000	1003.014	3.014	409568.78	0.30

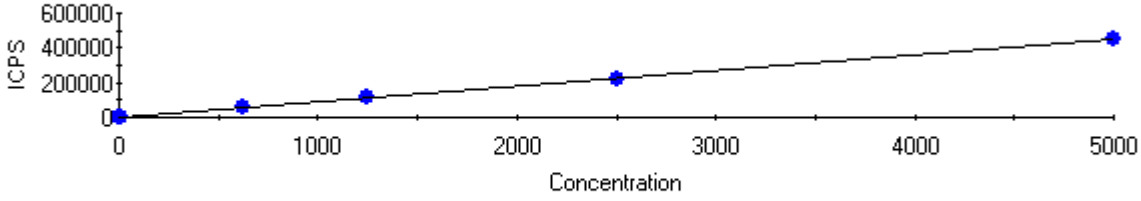
121Sb FQ Block 1



Intercept CPS=23.955662 Intercept Conc=0.043877
Sensitivity=545.972008 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	23.96	0.00
S1 (S)	2.000	1.995	0.005	1113.23	0.24
S2 (S)	125.000	123.995	1.005	67721.66	0.80
S3 (S)	250.000	250.991	0.991	137057.93	0.40
S4 (S)	500.000	498.518	1.482	272200.60	0.30
S5 (S)	1000.000	1000.619	0.619	546334.00	0.06

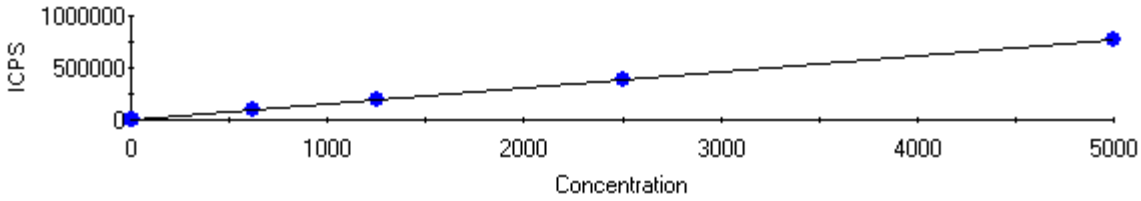
135Ba FQ Block 1



Intercept CPS=4.685809 Intercept Conc=0.052620
Sensitivity=89.049235 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	4.69	0.00
S1 (S)	10.000	10.000	0.000	895.19	0.00
S2 (S)	625.000	617.575	7.425	54999.28	1.19
S3 (S)	1250.000	1235.428	14.572	110018.62	1.17
S4 (S)	2500.000	2510.734	10.734	223583.60	0.43
S5 (S)	5000.000	4999.204	0.796	445180.00	0.02

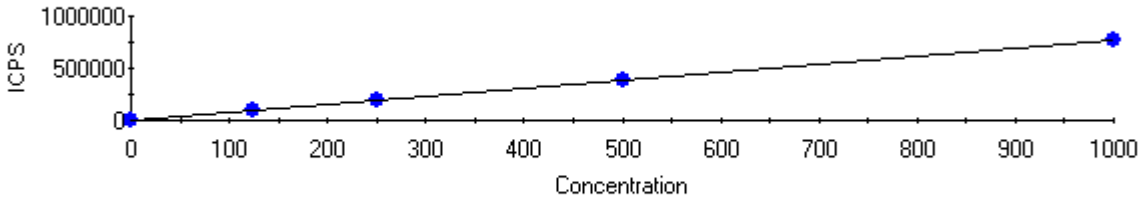
137Ba FQ Block 1



Intercept CPS=5.719173 Intercept Conc=0.037228
Sensitivity=153.624615 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	5.72	0.00
S1 (S)	10.000	9.775	0.225	1507.45	2.25
S2 (S)	625.000	612.877	12.123	94158.77	1.94
S3 (S)	1250.000	1232.874	17.126	189405.54	1.37
S4 (S)	2500.000	2497.664	2.336	383708.34	0.09
S5 (S)	5000.000	5006.965	6.965	769198.85	0.14

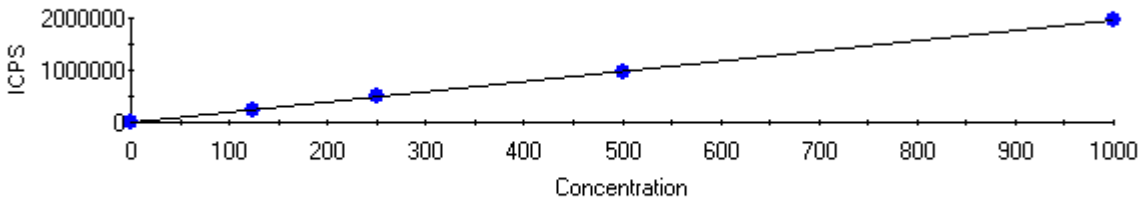
203Tl FQ Block 1



Intercept CPS=6.775651 Intercept Conc=0.008731
Sensitivity=776.025506 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	6.78	0.00
S1 (S)	1.000	1.048	0.048	820.30	4.83
S2 (S)	125.000	124.051	0.949	96273.17	0.76
S3 (S)	250.000	244.210	5.790	189520.25	2.32
S4 (S)	500.000	498.318	1.682	386714.04	0.34
S5 (S)	1000.000	1002.407	2.407	777900.32	0.24

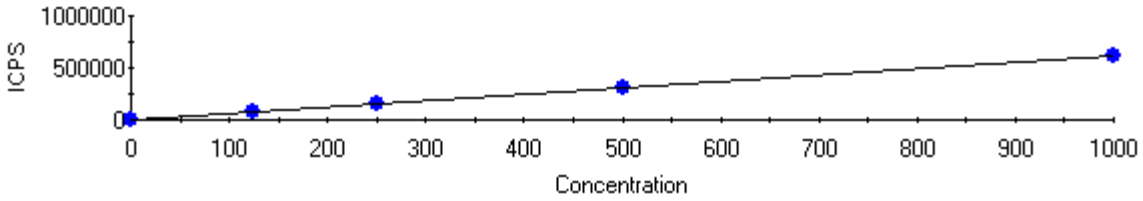
205Tl FQ Block 1



Intercept CPS=27.107536 Intercept Conc=0.013930
Sensitivity=1945.953972 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	27.11	0.00
S1 (S)	1.000	1.006	0.006	1984.94	0.61
S2 (S)	125.000	123.509	1.491	240370.36	1.19
S3 (S)	250.000	248.414	1.586	483429.23	0.63
S4 (S)	500.000	501.227	1.227	975391.35	0.25
S5 (S)	1000.000	999.969	0.031	1945921.66	0.00

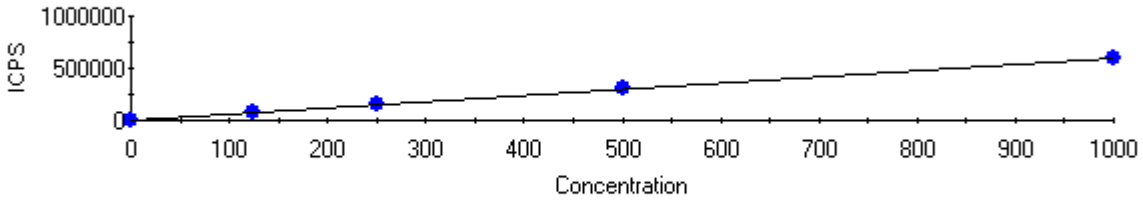
206Pb FQ Block 1



Intercept CPS=5.732746 Intercept Conc=0.009213
Sensitivity=622.215019 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	5.73	0.00
S1 (S)	1.000	0.973	0.027	611.12	2.70
S2 (S)	125.000	123.466	1.534	76828.37	1.23
S3 (S)	250.000	248.848	1.152	154842.99	0.46
S4 (S)	500.000	502.103	2.103	312421.96	0.42
S5 (S)	1000.000	999.428	0.572	621864.81	0.06

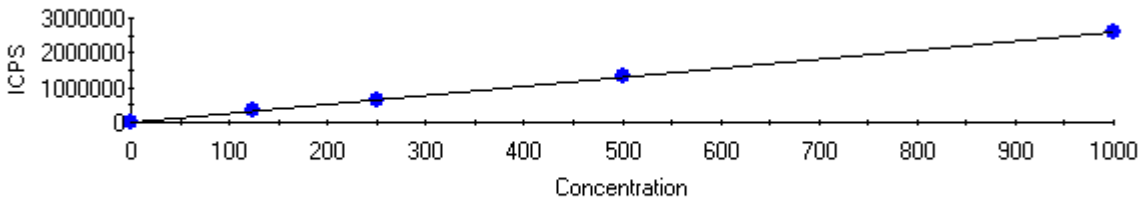
207Pb FQ Block 1



Intercept CPS=13.008641 Intercept Conc=0.021815
Sensitivity=596.323961 Correlation Coeff=0.999995

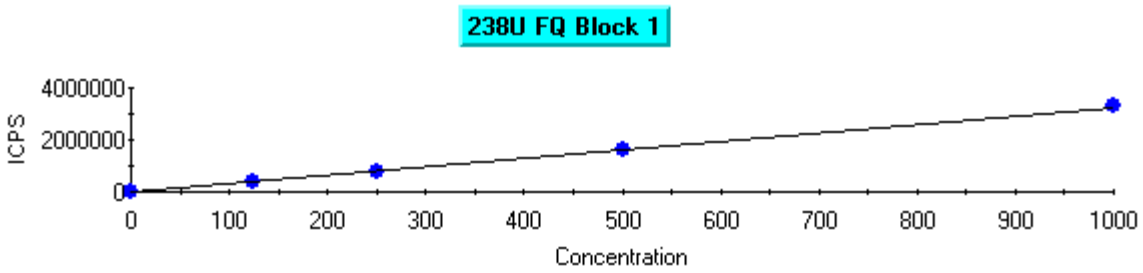
Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	13.01	0.00
S1 (S)	1.000	1.079	0.079	656.45	7.90
S2 (S)	125.000	123.818	1.182	73848.70	0.95
S3 (S)	250.000	251.880	1.880	150214.86	0.75
S4 (S)	500.000	501.390	1.390	299003.68	0.28
S5 (S)	1000.000	998.983	1.017	595730.46	0.10

208Pb FQ Block 1



Intercept CPS=46.378514 Intercept Conc=0.017914
Sensitivity=2588.963640 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	46.38	0.00
S1 (S)	1.000	1.013	0.013	2668.77	1.29
S2 (S)	125.000	124.359	0.641	322007.30	0.51
S3 (S)	250.000	251.119	1.119	650185.59	0.45
S4 (S)	500.000	502.333	2.333	1300568.00	0.47
S5 (S)	1000.000	998.634	1.366	2585472.95	0.14



Intercept CPS=14.619310 Intercept Conc=0.004475
Sensitivity=3266.521174 Correlation Coeff=0.999702

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	14.62	0.00
S1 (S)	0.000	0.004	0.004	27.27	0.00
S2 (S)	125.000	120.282	4.718	392917.36	3.77
S3 (S)	250.000	238.029	11.971	777541.20	4.79
S4 (S)	500.000	483.274	16.726	1578640.89	3.35
S5 (S)	1000.000	1011.945	11.945	3305555.43	1.19

Dilution Corrected Concentrations

S0 (S0) 06/04/2011 04:13:57 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	16:15:05	102%	-0.006	-0.054	0.000	-0.964	-0.377	-0.044	-0.598	-0.139
2	16:16:13	99%	0.010	0.367	0.000	0.412	0.026	-0.093	0.465	-0.033
3	16:17:21	98%	-0.004	-0.313	0.000	0.552	0.351	0.137	0.133	0.172
x		100%	0.000	-0.000	0.000	-0.000	0.000	-0.000	0.000	-0.000
σ		2%	0.009	0.343	0.000	0.838	0.364	0.121	0.544	0.158
%RSD		2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:05	-0.056	-3.251	0.000	0.000	-0.092	-0.382	0.410	99%	0.022
2	16:16:13	-0.475	0.170	0.000	0.000	0.940	-0.436	0.198	99%	-0.041
3	16:17:21	0.531	3.082	0.000	0.000	-0.848	0.818	-0.608	102%	0.019
x		-0.000	0.000	0.000	0.000	0.000	-0.000	0.000	100%	0.000
σ		0.505	3.170	0.000	0.000	0.898	0.709	0.537	2%	0.035
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	2	0.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:05	0.083	0.051	-0.114	-0.338	0.001	-0.686	-1.757	-0.002	-0.019
2	16:16:13	-0.057	-0.031	0.065	1.441	0.005	0.980	-1.211	-0.005	0.014
3	16:17:21	-0.026	-0.020	0.049	-1.103	-0.005	-0.294	2.968	0.007	0.005
x		-0.000	-0.000	0.000	0.000	-0.000	-0.000	0.000	0.000	-0.000
σ		0.073	0.044	0.099	1.305	0.005	0.871	2.585	0.006	0.017
%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	16:15:05	-0.000	-0.030	0.031	0.046	0.160	-0.009	0.324	0.528	-0.064
2	16:16:13	-0.018	0.033	0.038	-0.008	0.211	-0.000	-0.499	-0.086	-0.621
3	16:17:21	0.018	-0.003	-0.069	-0.039	-0.371	0.009	0.174	-0.441	0.685
x		-0.000	-0.000	0.000	0.000	0.000	0.000	-0.000	0.000	0.000
σ		0.018	0.031	0.060	0.043	0.323	0.009	0.438	0.490	0.655
%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	16:15:05	-0.015	-0.002	-0.013	0.028	0.029	-0.001	100%	-0.393	-0.004
2	16:16:13	-0.004	0.018	0.013	-0.014	-0.013	-0.001	100%	-0.404	0.001
3	16:17:21	0.019	-0.016	-0.000	-0.014	-0.017	0.003	100%	0.796	0.003
x		0.000	-0.000	-0.000	0.000	-0.000	0.000	100%	0.000	-0.000
σ		0.018	0.017	0.013	0.025	0.026	0.002	0%	0.690	0.003
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0	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	16:15:05	0.142	-0.395	0.001	-0.023	-0.028	0.008	-0.018	0.003	100%
2	16:16:13	0.221	-0.407	-0.006	-0.033	-0.021	-0.001	0.017	0.013	101%
3	16:17:21	-0.364	0.802	0.005	0.056	0.049	-0.007	0.000	-0.017	99%
x		0.000	0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000	100%
σ		0.317	0.695	0.006	0.049	0.042	0.007	0.017	0.015	1%
%RSD		0.000	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	16:15:05	100%	-0.005	-0.004	0.001	0.002	-0.004	101%	-0.003
2	16:16:13	100%	0.005	0.001	-0.004	0.007	0.002	100%	0.000
3	16:17:21	99%	-0.001	0.003	0.003	-0.009	0.002	99%	0.003
x		100%	-0.000	0.000	-0.000	0.000	0.000	100%	-0.000
σ		1%	0.005	0.003	0.004	0.008	0.003	1%	0.003
%RSD		1	0.000	0.000	0.000	0.000	0.000	1	0.000

S1 (S) 06/04/2011 04:21:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:56	102%	0.901	6.113	0.000	513.300	535.100	526.900	539.100	22.180
2	16:24:03	103%	1.173	6.282	0.000	509.900	535.500	533.800	526.300	22.110
3	16:25:11	102%	1.049	4.629	0.000	520.700	553.000	540.500	548.400	23.150
x		102%	1.041	5.675	0.000	514.600	541.200	533.700	538.000	22.480
σ		1%	0.136	0.910	0.000	5.505	10.210	6.769	11.080	0.581
%RSD		1	13.100	16.030	0.000	1.070	1.887	1.268	2.059	2.583
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:56	7.620	-5.399	0.000	0.000	511.000	439.100	536.700	102%	5.364
2	16:24:03	6.374	0.788	0.000	0.000	506.200	474.200	524.000	100%	4.956
3	16:25:11	6.661	2.195	0.000	0.000	509.400	487.600	550.300	101%	4.600
x		6.885	-0.805	0.000	0.000	508.900	467.000	537.000	101%	4.974
σ		0.653	4.040	0.000	0.000	2.430	25.030	13.120	1%	0.382
%RSD		9.481	501.700	0.000	0.000	0.477	5.359	2.444	1	7.687
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:56	5.007	2.088	0.087	207.200	1.056	205.800	204.300	1.068	1.094
2	16:24:03	5.144	2.020	-0.097	213.500	1.119	212.300	211.200	1.057	1.195
3	16:25:11	5.100	2.120	0.074	213.800	1.140	206.600	215.300	1.069	1.205
x		5.084	2.076	0.021	211.500	1.105	208.200	210.300	1.064	1.165
σ		0.070	0.051	0.103	3.713	0.044	3.558	5.522	0.007	0.062
%RSD		1.381	2.464	488.300	1.756	3.951	1.709	2.626	0.627	5.297
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:56	2.118	1.993	2.477	0.971	4.255	0.001	4.100	4.810	-0.966
2	16:24:03	2.287	2.099	2.768	1.181	5.416	-0.022	4.055	4.671	0.641
3	16:25:11	2.117	2.128	2.545	0.894	4.899	0.004	4.865	4.955	1.362
x		2.174	2.073	2.597	1.015	4.857	-0.006	4.340	4.812	0.346
σ		0.098	0.071	0.152	0.148	0.582	0.014	0.455	0.142	1.192
%RSD		4.491	3.434	5.865	14.610	11.980	249.700	10.490	2.957	344.500
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:56	4.561	4.525	4.730	4.674	4.665	0.003	102%	-0.101	0.990
2	16:24:03	4.759	4.772	4.831	4.274	4.756	-0.001	102%	-0.249	1.071
3	16:25:11	4.648	4.860	5.082	5.016	5.225	-0.001	104%	0.806	1.073
x		4.656	4.719	4.881	4.655	4.882	-0.000	102%	0.152	1.045
σ		0.099	0.174	0.181	0.371	0.301	0.002	1%	0.571	0.047
%RSD		2.129	3.679	3.709	7.978	6.157	12840.000	1	375.200	4.535
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:56	0.574	-0.103	1.047	0.833	4.837	1.905	9.416	9.291	102%
2	16:24:03	0.570	-0.248	1.123	0.943	4.842	2.040	9.878	9.771	102%
3	16:25:11	0.262	0.812	0.973	1.005	4.772	2.041	10.710	10.260	102%
x		0.469	0.154	1.048	0.927	4.817	1.995	10.000	9.775	102%
σ		0.179	0.575	0.075	0.087	0.039	0.078	0.654	0.486	0%
%RSD		38.140	374.300	7.158	9.365	0.811	3.926	6.543	4.976	0
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:22:56	101%	1.013	1.014	0.923	1.004	0.991	99%	-0.002	
2	16:24:03	101%	1.081	0.965	1.002	1.081	1.033	100%	0.006	
3	16:25:11	100%	1.051	1.039	0.994	1.153	1.015	102%	0.008	
x		101%	1.048	1.006	0.973	1.079	1.013	101%	0.004	
σ		0%	0.034	0.038	0.044	0.074	0.021	2%	0.005	
%RSD		0	3.219	3.734	4.511	6.902	2.067	2	134.500	

S2 (S) 06/04/2011 04:29:39 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	16:30:47	96%	129.300	125.200	0.000	12730.000	13020.000	12980.000	12820.000	2579.000
2	16:31:55	98%	128.800	132.200	0.000	12620.000	12900.000	12830.000	12710.000	2525.000
3	16:33:03	95%	130.900	141.400	0.000	12990.000	13170.000	13140.000	12950.000	2609.000
x		97%	129.700	132.900	0.000	12780.000	13030.000	12980.000	12830.000	2571.000
σ		1%	1.109	8.081	0.000	188.400	134.000	152.200	118.500	42.620
%RSD		2	0.855	6.079	0.000	1.474	1.029	1.172	0.924	1.658
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:47	127.100	2433.000	0.000	0.000	6253.000	11550.000	12510.000	99%	130.700
2	16:31:55	123.000	2466.000	0.000	0.000	6085.000	11740.000	12610.000	100%	124.300
3	16:33:03	126.700	2490.000	0.000	0.000	6231.000	11390.000	12710.000	99%	123.200
x		125.600	2463.000	0.000	0.000	6190.000	11560.000	12610.000	100%	126.100
σ		2.266	28.380	0.000	0.000	91.470	174.600	100.100	1%	4.079
%RSD		1.804	1.152	0.000	0.000	1.478	1.510	0.794	1	3.235
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:47	121.100	124.600	2.819	6343.000	249.400	6279.000	6378.000	125.200	123.400
2	16:31:55	124.300	124.500	1.492	6439.000	258.000	6270.000	6234.000	121.500	126.700
3	16:33:03	122.000	124.400	1.785	6380.000	248.200	6261.000	6264.000	122.700	125.000
x		122.500	124.500	2.032	6387.000	251.900	6270.000	6292.000	123.200	125.000
σ		1.629	0.097	0.697	48.410	5.358	9.394	75.910	1.907	1.620
%RSD		1.331	0.078	34.300	0.758	2.127	0.150	1.206	1.548	1.295
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:47	253.500	255.800	257.000	125.600	132.700	-0.249	126.500	124.500	1.522
2	16:31:55	252.600	251.300	247.500	126.000	138.700	-0.325	124.400	130.700	2.344
3	16:33:03	253.100	251.300	251.500	124.100	126.400	-0.008	126.200	121.700	-0.080
x		253.100	252.800	252.000	125.200	132.600	-0.194	125.700	125.600	1.262
σ		0.436	2.571	4.770	1.005	6.152	0.166	1.087	4.630	1.233
%RSD		0.172	1.017	1.893	0.803	4.640	85.390	0.865	3.686	97.700
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:47	123.600	126.400	124.100	125.600	120.900	-0.001	101%	127.200	127.000
2	16:31:55	124.000	124.900	123.400	123.500	121.600	-0.001	100%	128.200	129.000
3	16:33:03	119.500	122.000	124.400	121.300	121.600	0.003	100%	129.800	127.900
x		122.400	124.400	124.000	123.500	121.400	0.000	100%	128.400	127.900
σ		2.509	2.220	0.535	2.149	0.399	0.002	0%	1.331	0.989
%RSD		2.051	1.784	0.432	1.740	0.329	67360.000	0	1.037	0.773
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:47	2.179	127.200	125.000	126.200	123.300	123.500	620.900	616.900	103%
2	16:31:55	1.173	128.000	128.200	130.200	125.500	126.300	621.700	611.800	105%
3	16:33:03	0.472	129.800	128.000	124.800	122.800	122.200	610.200	610.000	104%
x		1.275	128.300	127.100	127.100	123.900	124.000	617.600	612.900	104%
σ		0.858	1.316	1.815	2.788	1.432	2.092	6.415	3.553	1%
%RSD		67.310	1.026	1.428	2.194	1.156	1.687	1.039	0.580	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:30:47	103%	124.300	124.800	125.000	123.500	125.500	102%	120.600	
2	16:31:55	105%	123.200	122.500	121.200	122.500	122.700	104%	119.900	
3	16:33:03	104%	124.600	123.200	124.200	125.500	124.900	102%	120.300	
x		104%	124.100	123.500	123.500	123.800	124.400	103%	120.300	
σ		1%	0.722	1.198	2.017	1.529	1.478	1%	0.334	
%RSD		1	0.582	0.970	1.634	1.235	1.188	1	0.278	

S3 (S) 06/04/2011 04:37:30 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	16:38:38	95%	251.800	260.300	0.000	25410.000	25970.000	25640.000	24660.000	5011.000
2	16:39:46	95%	254.500	261.600	0.000	25640.000	25860.000	25300.000	25380.000	5113.000
3	16:40:54	93%	259.800	265.100	0.000	25130.000	25770.000	25760.000	26010.000	5128.000
x		95%	255.400	262.300	0.000	25390.000	25870.000	25570.000	25350.000	5084.000
σ		1%	4.086	2.503	0.000	258.300	99.370	239.800	676.600	63.800
%RSD		1	1.600	0.954	0.000	1.017	0.384	0.938	2.669	1.255
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	244.500	4871.000	0.000	0.000	11980.000	24780.000	24820.000	97%	248.800
2	16:39:46	249.800	5044.000	0.000	0.000	12260.000	25470.000	24970.000	95%	264.700
3	16:40:54	248.300	4961.000	0.000	0.000	12130.000	25330.000	25250.000	95%	250.300
x		247.500	4958.000	0.000	0.000	12120.000	25200.000	25010.000	96%	254.600
σ		2.724	86.770	0.000	0.000	137.800	362.800	218.500	1%	8.794
%RSD		1.100	1.750	0.000	0.000	1.137	1.440	0.874	1	3.454
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	245.600	250.900	3.142	12710.000	499.300	12400.000	12130.000	246.300	245.900
2	16:39:46	249.200	254.400	3.148	13230.000	519.300	12640.000	12410.000	253.100	254.000
3	16:40:54	249.400	250.800	3.131	12700.000	510.800	12680.000	12570.000	248.000	250.500
x		248.100	252.000	3.140	12880.000	509.800	12570.000	12370.000	249.100	250.100
σ		2.172	2.019	0.009	302.600	10.060	149.500	222.400	3.501	4.059
%RSD		0.876	0.801	0.276	2.350	1.973	1.189	1.798	1.405	1.623
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	500.200	501.500	490.200	251.100	255.100	-0.086	251.300	253.600	-0.105
2	16:39:46	514.600	521.500	504.200	249.700	242.900	-0.101	256.100	257.100	1.292
3	16:40:54	515.800	514.800	500.200	250.300	284.100	-0.633	251.000	259.700	1.562
x		510.200	512.600	498.200	250.400	260.700	-0.273	252.800	256.800	0.916
σ		8.703	10.170	7.234	0.670	21.180	0.312	2.871	3.084	0.895
%RSD		1.706	1.984	1.452	0.268	8.124	114.100	1.136	1.201	97.670
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	249.300	250.900	251.100	249.700	248.100	0.003	93%	255.900	259.600
2	16:39:46	249.000	245.900	243.200	244.600	241.600	0.017	95%	257.200	259.200
3	16:40:54	246.800	248.000	246.600	250.700	246.500	0.008	95%	251.400	250.600
x		248.400	248.300	247.000	248.300	245.400	0.009	94%	254.900	256.400
σ		1.386	2.516	3.979	3.257	3.393	0.007	1%	3.053	5.091
%RSD		0.558	1.013	1.611	1.312	1.382	75.210	1	1.198	1.985
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:38	8.137	255.600	254.900	258.600	255.000	251.100	1251.000	1251.000	99%
2	16:39:46	2.343	257.200	253.900	257.800	248.900	248.600	1235.000	1224.000	98%
3	16:40:54	5.324	251.500	251.600	247.500	250.400	253.200	1221.000	1224.000	97%
x		5.268	254.800	253.500	254.600	251.400	251.000	1235.000	1233.000	98%
σ		2.897	2.965	1.704	6.200	3.146	2.317	14.970	15.350	1%
%RSD		54.990	1.164	0.672	2.435	1.251	0.923	1.211	1.245	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:38:38	99%	246.200	251.600	254.000	256.500	254.700	95%	241.800	
2	16:39:46	99%	244.200	248.600	247.900	248.600	248.200	97%	236.200	
3	16:40:54	97%	242.200	245.100	244.700	250.500	250.500	96%	236.100	
x		98%	244.200	248.400	248.800	251.900	251.100	96%	238.000	
σ		1%	2.023	3.260	4.720	4.154	3.288	1%	3.228	
%RSD		1	0.829	1.312	1.897	1.649	1.309	1	1.356	

S4 (S) 06/04/2011 04:45:23 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	93%	506.100	521.300	0.000	50380.000	50450.000	51230.000	50710.000	10220.000
2	16:47:39	93%	517.700	526.200	0.000	50880.000	51020.000	50430.000	50960.000	10170.000
3	16:48:47	96%	494.800	509.200	0.000	50280.000	50340.000	50000.000	50020.000	10010.000
x		94%	506.200	518.900	0.000	50510.000	50610.000	50550.000	50560.000	10140.000
σ		2%	11.460	8.752	0.000	320.900	366.600	626.600	489.200	110.500
%RSD		2	2.265	1.687	0.000	0.635	0.724	1.240	0.968	1.090

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	503.000	9959.000	0.000	0.000	24970.000	50260.000	49790.000	95%	507.200
2	16:47:39	516.300	10220.000	0.000	0.000	25100.000	51400.000	50570.000	95%	500.900
3	16:48:47	501.500	10020.000	0.000	0.000	24840.000	50340.000	49890.000	96%	497.000
x		506.900	10070.000	0.000	0.000	24970.000	50660.000	50080.000	95%	501.700
σ		8.124	137.900	0.000	0.000	130.100	637.700	426.800	1%	5.162
%RSD		1.603	1.370	0.000	0.000	0.521	1.259	0.852	1	1.029

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	499.700	504.100	3.377	25850.000	1000.000	25080.000	24990.000	497.500	504.700
2	16:47:39	500.200	506.400	4.473	25780.000	1009.000	25240.000	25130.000	503.000	501.500
3	16:48:47	497.900	513.600	2.559	25290.000	989.200	25120.000	24750.000	499.400	504.300
x		499.300	508.000	3.470	25640.000	999.300	25150.000	24960.000	500.000	503.500
σ		1.195	4.927	0.960	307.500	9.797	85.960	191.200	2.804	1.730
%RSD		0.239	0.970	27.670	1.199	0.980	0.342	0.766	0.561	0.344

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	1014.000	1013.000	972.200	501.000	486.700	-0.288	495.700	492.700	1.342
2	16:47:39	1017.000	1020.000	1003.000	498.600	504.300	-0.311	499.900	503.300	0.745
3	16:48:47	1036.000	1034.000	1004.000	510.400	527.900	-0.474	517.200	513.200	-0.641
x		1022.000	1022.000	993.300	503.400	506.300	-0.358	504.300	503.100	0.482
σ		12.140	10.930	18.290	6.223	20.710	0.101	11.380	10.240	1.017
%RSD		1.188	1.069	1.841	1.236	4.091	28.310	2.256	2.036	211.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	492.500	499.800	499.800	484.100	495.200	-0.001	94%	502.400	502.000
2	16:47:39	500.200	498.600	503.800	497.300	493.100	0.012	94%	511.100	500.000
3	16:48:47	501.700	504.200	511.800	504.500	508.600	-0.001	92%	502.400	520.500
x		498.100	500.800	505.100	495.300	498.900	0.003	94%	505.300	507.500
σ		4.935	2.955	6.092	10.370	8.405	0.008	1%	5.029	11.260
%RSD		0.991	0.590	1.206	2.093	1.685	252.400	1	0.995	2.218

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	5.406	502.300	499.600	498.400	484.500	493.400	2496.000	2458.000	97%
2	16:47:39	4.536	511.300	506.000	508.700	491.200	500.400	2525.000	2502.000	96%
3	16:48:47	18.550	502.000	517.900	514.100	505.000	501.700	2511.000	2533.000	97%
x		9.499	505.200	507.800	507.100	493.500	498.500	2511.000	2498.000	96%
σ		7.855	5.286	9.280	7.992	10.440	4.447	14.450	37.220	1%
%RSD		82.690	1.046	1.827	1.576	2.115	0.892	0.576	1.490	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	96%	491.700	504.900	497.300	498.300	500.900	93%	479.000
2	16:47:39	96%	504.100	504.300	507.600	502.400	500.800	93%	491.400
3	16:48:47	95%	499.200	494.500	501.400	503.400	505.300	93%	479.500
x		95%	498.300	501.200	502.100	501.400	502.300	93%	483.300
σ		1%	6.277	5.865	5.184	2.699	2.553	0%	7.034
%RSD		1	1.260	1.170	1.033	0.538	0.508	0	1.455

S5 (S) 06/04/2011 04:53:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:23	92%	1019.000	1017.000	0.000	101800.000	100700.000	102400.000	101600.000	20430.000
2	16:55:31	93%	996.400	974.200	0.000	98880.000	99410.000	100100.000	99720.000	19740.000
3	16:56:39	95%	969.900	967.800	0.000	98140.000	98170.000	96060.000	97500.000	19540.000
x		93%	995.000	986.500	0.000	99610.000	99410.000	99520.000	99590.000	19900.000
σ		2%	24.400	27.010	0.000	1941.000	1248.000	3210.000	2031.000	466.200
%RSD		2	2.452	2.738	0.000	1.949	1.256	3.225	2.039	2.343
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:23	1023.000	20620.000	0.000	0.000	50950.000	101800.000	102800.000	93%	1038.000
2	16:55:31	981.100	19770.000	0.000	0.000	49480.000	98500.000	99050.000	95%	976.900
3	16:56:39	987.400	19560.000	0.000	0.000	49920.000	98920.000	97960.000	95%	979.100
x		997.100	19980.000	0.000	0.000	50120.000	99740.000	99940.000	94%	997.900
σ		22.410	558.500	0.000	0.000	750.600	1789.000	2548.000	1%	34.470
%RSD		2.247	2.795	0.000	0.000	1.498	1.794	2.550	1	3.454
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:23	1025.000	1021.000	12.310	50640.000	2028.000	50510.000	49820.000	1030.000	1024.000
2	16:55:31	991.100	987.100	4.434	48830.000	1967.000	50100.000	48690.000	990.000	985.100
3	16:56:39	987.300	978.300	18.210	49230.000	1998.000	49110.000	47520.000	981.500	986.100
x		1001.000	995.500	11.650	49570.000	1998.000	49910.000	48680.000	1000.000	998.200
σ		20.760	22.630	6.910	953.000	30.540	720.400	1150.000	25.790	21.900
%RSD		2.074	2.273	59.310	1.923	1.529	1.444	2.362	2.578	2.194
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:23	2041.000	2037.000	2000.000	1033.000	1018.000	-0.999	1021.000	1025.000	0.064
2	16:55:31	1963.000	1972.000	1915.000	987.500	983.900	-1.145	985.700	998.800	1.741
3	16:56:39	1953.000	1947.000	1883.000	973.700	977.900	-0.878	985.000	966.400	-0.657
x		1986.000	1985.000	1933.000	998.200	993.200	-1.007	997.100	996.700	0.383
σ		48.100	46.680	60.870	31.240	21.550	0.133	20.320	29.260	1.230
%RSD		2.422	2.351	3.150	3.129	2.170	13.240	2.038	2.936	321.200
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:23	1019.000	1048.000	1038.000	1035.000	1041.000	-0.001	90%	1007.000	1020.000
2	16:55:31	1005.000	982.100	997.500	989.000	997.800	0.008	91%	1005.000	994.600
3	16:56:39	980.300	969.900	959.400	984.600	967.900	0.021	94%	975.200	968.100
x		1002.000	1000.000	998.300	1003.000	1002.000	0.009	92%	995.700	994.300
σ		19.760	42.170	39.360	28.070	36.620	0.011	2%	17.780	25.990
%RSD		1.973	4.216	3.943	2.798	3.655	123.400	2	1.785	2.614
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:23	36.750	1007.000	1026.000	1031.000	1032.000	1027.000	5119.000	5198.000	92%
2	16:55:31	20.040	1005.000	994.600	984.400	1000.000	996.300	4961.000	4860.000	95%
3	16:56:39	16.590	975.600	964.200	969.400	976.600	978.300	4917.000	4963.000	95%
x		24.460	995.800	994.900	995.100	1003.000	1001.000	4999.000	5007.000	94%
σ		10.780	17.540	30.930	32.350	27.910	24.830	106.400	173.100	2%
%RSD		44.070	1.761	3.109	3.251	2.782	2.481	2.128	3.457	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:54:23	91%	1022.000	1026.000	1042.000	1038.000	1037.000	89%	1046.000	
2	16:55:31	93%	993.000	983.800	982.600	976.000	986.100	92%	998.600	
3	16:56:39	95%	992.300	989.700	973.500	983.200	972.600	92%	991.400	
x		93%	1002.000	1000.000	999.400	999.000	998.600	91%	1012.000	
σ		2%	16.880	23.140	37.340	33.760	34.060	2%	29.560	
%RSD		2	1.684	2.314	3.736	3.379	3.411	2	2.921	

ICV 06/04/2011 05:01:08 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	17:02:16	94%	100.500	549.400	0.000	2032.000	1248.000	1235.000	1228.000	519.100
2	17:03:24	92%	100.500	563.800	0.000	2041.000	1237.000	1229.000	1229.000	527.300
3	17:04:32	92%	100.600	565.400	0.000	2032.000	1252.000	1237.000	1240.000	540.800
x		93%	100.600	559.500	0.000	2035.000	1246.000	1234.000	1232.000	529.000
σ		1%	0.065	8.858	0.000	5.360	7.724	4.270	6.758	10.980
%RSD		1	0.064	1.583	0.000	0.263	0.620	0.346	0.548	2.075

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:16	509.900	3.506	0.000	0.000	1955.000	1835.000	2054.000	98%	501.300
2	17:03:24	504.400	7.518	0.000	0.000	1993.000	1890.000	2008.000	96%	505.600
3	17:04:32	523.700	14.660	0.000	0.000	2008.000	1885.000	2091.000	93%	501.600
x		512.700	8.563	0.000	0.000	1985.000	1870.000	2051.000	96%	502.800
σ		9.979	5.652	0.000	0.000	27.400	30.300	41.730	2%	2.437
%RSD		1.946	66.000	0.000	0.000	1.380	1.620	2.035	2	0.485

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:16	96.030	98.120	1.463	1076.000	100.900	994.300	1007.000	99.270	102.600
2	17:03:24	95.880	97.550	2.126	1058.000	99.110	984.000	1007.000	99.440	102.500
3	17:04:32	97.530	100.100	0.676	1073.000	101.400	1021.000	1015.000	99.700	103.700
x		96.480	98.590	1.422	1069.000	100.500	999.800	1009.000	99.470	102.900
σ		0.911	1.334	0.726	9.955	1.210	19.210	4.447	0.220	0.638
%RSD		0.945	1.353	51.060	0.931	1.205	1.921	0.441	0.221	0.619

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:16	102.600	101.700	200.000	199.500	205.700	-0.290	198.800	197.700	0.266
2	17:03:24	103.900	103.700	203.700	200.600	201.700	-0.244	197.500	201.500	0.659
3	17:04:32	102.600	101.900	198.800	197.200	209.800	-0.260	194.600	199.100	-1.287
x		103.000	102.400	200.800	199.100	205.800	-0.264	196.900	199.400	-0.121
σ		0.770	1.103	2.570	1.720	4.065	0.023	2.126	1.929	1.029
%RSD		0.748	1.077	1.280	0.864	1.976	8.707	1.080	0.967	853.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:16	513.500	503.300	494.900	498.300	499.600	-0.001	99%	95.800	101.400
2	17:03:24	503.700	504.200	501.800	501.100	493.900	0.007	96%	102.900	99.920
3	17:04:32	494.200	498.200	494.800	496.700	487.500	-0.001	97%	102.800	101.200
x		503.800	501.900	497.200	498.700	493.600	0.002	97%	100.500	100.800
σ		9.663	3.241	4.027	2.206	6.053	0.005	1%	4.058	0.792
%RSD		1.918	0.646	0.810	0.443	1.226	333.200	1	4.039	0.786

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:16	5.938	95.790	101.700	98.740	507.300	190.100	96.730	100.600	101%
2	17:03:24	3.347	102.900	100.300	102.400	511.300	197.800	99.640	101.000	98%
3	17:04:32	2.939	102.800	99.410	99.350	501.600	193.000	100.400	100.500	98%
x		4.075	100.500	100.500	100.200	506.700	193.600	98.930	100.700	99%
σ		1.626	4.088	1.163	1.976	4.913	3.939	1.942	0.231	2%
%RSD		39.910	4.067	1.158	1.973	0.970	2.035	1.963	0.229	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:16	99%	200.400	197.500	207.900	198.600	201.400	100%	0.157
2	17:03:24	98%	202.900	203.800	205.100	190.700	198.900	99%	0.252
3	17:04:32	96%	201.400	200.900	206.000	195.600	201.300	97%	0.213
x		98%	201.600	200.800	206.300	195.000	200.500	99%	0.207
σ		2%	1.273	3.136	1.468	3.973	1.444	1%	0.048
%RSD		2	0.631	1.562	0.712	2.038	0.720	1	23.060

ICB 06/04/2011 05:09:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:09	93%	0.172	9.987	0.000	20.450	14.330	14.270	13.350	2.838
2	17:11:17	93%	0.232	9.803	0.000	22.080	16.100	15.430	16.890	3.258
3	17:12:25	91%	0.200	8.566	0.000	18.910	15.250	15.690	13.810	3.025
x		92%	0.201	9.452	0.000	20.480	15.220	15.130	14.680	3.040
σ		1%	0.030	0.773	0.000	1.584	0.886	0.758	1.923	0.210
%RSD		1	15.010	8.175	0.000	7.736	5.818	5.008	13.100	6.909
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:09	0.951	7.106	0.000	0.000	16.160	3.407	18.160	94%	0.390
2	17:11:17	0.502	5.799	0.000	0.000	14.250	9.472	15.750	96%	0.446
3	17:12:25	0.608	9.351	0.000	0.000	14.550	0.170	13.690	94%	0.420
x		0.687	7.419	0.000	0.000	14.990	4.350	15.870	95%	0.419
σ		0.235	1.796	0.000	0.000	1.028	4.722	2.237	1%	0.028
%RSD		34.190	24.210	0.000	0.000	6.856	108.600	14.100	1	6.721
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:09	0.009	0.177	0.117	5.201	0.341	2.515	5.295	0.151	0.252
2	17:11:17	0.213	0.088	0.025	8.051	0.336	3.160	8.288	0.219	0.275
3	17:12:25	0.182	0.142	-0.055	8.942	0.302	2.864	8.628	0.239	0.311
x		0.135	0.136	0.029	7.398	0.326	2.846	7.404	0.203	0.279
σ		0.110	0.045	0.086	1.954	0.021	0.323	1.834	0.046	0.030
%RSD		81.550	33.010	298.300	26.410	6.507	11.340	24.780	22.640	10.660
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:09	0.270	0.367	0.248	0.402	0.402	-0.010	0.516	0.566	-1.538
2	17:11:17	0.348	0.384	0.366	0.302	0.133	0.008	-0.042	0.240	0.728
3	17:12:25	0.350	0.248	0.379	0.308	1.174	-0.012	0.279	0.398	-1.290
x		0.323	0.333	0.331	0.338	0.569	-0.005	0.251	0.401	-0.700
σ		0.046	0.074	0.072	0.056	0.540	0.011	0.280	0.163	1.243
%RSD		14.170	22.330	21.810	16.560	94.870	230.200	111.700	40.610	177.500
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:09	1.448	1.349	1.055	1.209	1.180	-0.001	95%	0.272	0.245
2	17:11:17	1.199	1.246	1.035	1.018	1.096	-0.001	95%	-1.806	0.239
3	17:12:25	0.743	1.057	0.893	0.926	0.953	-0.001	96%	1.510	0.133
x		1.130	1.217	0.994	1.051	1.077	-0.001	95%	-0.008	0.206
σ		0.357	0.148	0.089	0.144	0.115	0.000	1%	1.676	0.063
%RSD		31.610	12.180	8.906	13.720	10.660	0.000	1	20780.000	30.710
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:09	-0.179	0.269	0.213	0.157	0.972	0.890	0.758	0.731	96%
2	17:11:17	0.906	-1.816	0.208	0.250	0.903	0.824	0.767	0.690	98%
3	17:12:25	-0.629	1.512	0.195	0.249	0.898	0.637	0.951	0.629	96%
x		0.033	-0.012	0.206	0.219	0.924	0.784	0.825	0.684	96%
σ		0.789	1.682	0.009	0.053	0.041	0.131	0.109	0.051	1%
%RSD		2386.000	14560.000	4.455	24.390	4.452	16.700	13.230	7.514	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	17:10:09	95%	0.362	0.372	0.216	0.249	0.230	96%	0.116	
2	17:11:17	98%	0.386	0.362	0.334	0.254	0.288	95%	0.131	
3	17:12:25	95%	0.302	0.255	0.268	0.235	0.247	96%	0.101	
x		96%	0.350	0.330	0.273	0.246	0.255	96%	0.116	
σ		2%	0.043	0.065	0.059	0.010	0.030	1%	0.015	
%RSD		2	12.340	19.710	21.600	4.002	11.570	1	12.920	

ICSA 06/04/2011 05:16:54 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	17:18:03	83%	0.331	5.571	0.000	102800.000	104900.000	104900.000	104500.000	102700.000
2	17:19:11	85%	0.347	5.407	0.000	100200.000	103000.000	104100.000	103600.000	101700.000
3	17:20:19	84%	0.239	3.850	0.000	102300.000	104800.000	104200.000	103600.000	101500.000
x		84%	0.306	4.943	0.000	101800.000	104200.000	104400.000	103900.000	102000.000
σ		1%	0.058	0.949	0.000	1402.000	1037.000	454.500	550.100	622.000
%RSD		1	19.120	19.210	0.000	1.377	0.995	0.435	0.529	0.610

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:03	57.190	96960.000	0.000	0.000	99290.000	102900.000	101900.000	87%	2054.000
2	17:19:11	58.730	96490.000	0.000	0.000	97720.000	103100.000	103700.000	88%	2051.000
3	17:20:19	56.670	95130.000	0.000	0.000	99160.000	102500.000	100000.000	90%	2016.000
x		57.530	96200.000	0.000	0.000	98720.000	102800.000	101900.000	88%	2040.000
σ		1.074	949.800	0.000	0.000	870.100	296.300	1845.000	1%	20.850
%RSD		1.867	0.987	0.000	0.000	0.881	0.288	1.810	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	17:18:03	-0.868	20.090	35.070	98020.000	6.336	100800.000	98510.000	1.205	5.807
2	17:19:11	-0.543	21.130	37.100	98570.000	6.846	102000.000	99430.000	1.103	5.684
3	17:20:19	-1.201	19.280	38.670	98320.000	6.242	99010.000	97240.000	1.118	5.306
x		-0.870	20.170	36.940	98300.000	6.475	100600.000	98390.000	1.142	5.599
σ		0.329	0.929	1.805	273.800	0.325	1519.000	1102.000	0.055	0.261
%RSD		37.820	4.605	4.886	0.279	5.024	1.510	1.120	4.838	4.666

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:03	7.552	8.154	11.480	0.369	0.638	0.179	-0.761	-0.715	3.084
2	17:19:11	8.315	8.473	11.620	0.427	-0.342	0.168	-1.143	-0.130	0.632
3	17:20:19	8.157	8.828	12.440	0.411	-0.792	0.183	-0.694	-0.711	5.193
x		8.008	8.485	11.850	0.402	-0.165	0.177	-0.866	-0.519	2.970
σ		0.403	0.337	0.519	0.030	0.731	0.008	0.242	0.337	2.283
%RSD		5.030	3.973	4.382	7.424	442.300	4.264	27.990	64.930	76.860

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:03	1965.000	1994.000	1995.000	1967.000	1979.000	0.003	87%	0.398	0.035
2	17:19:11	2004.000	2003.000	1985.000	1962.000	1962.000	0.018	86%	-2.010	0.026
3	17:20:19	1966.000	1980.000	1972.000	1975.000	1976.000	0.008	87%	0.051	0.056
x		1978.000	1992.000	1984.000	1968.000	1972.000	0.010	86%	-0.520	0.039
σ		22.320	11.640	11.380	6.603	8.947	0.008	1%	1.302	0.015
%RSD		1.128	0.584	0.574	0.336	0.454	75.520	1	250.100	38.710

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:03	14.400	0.376	0.051	1.209	0.428	1.239	1.245	1.497	93%
2	17:19:11	18.250	-2.030	0.041	0.466	0.387	1.358	1.691	1.435	93%
3	17:20:19	16.280	0.025	0.046	0.621	0.411	1.281	1.550	1.503	94%
x		16.310	-0.543	0.046	0.766	0.409	1.293	1.495	1.478	94%
σ		1.924	1.300	0.005	0.392	0.020	0.060	0.228	0.038	1%
%RSD		11.800	239.500	10.730	51.220	4.957	4.664	15.240	2.550	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:03	93%	0.065	0.036	4.618	4.271	4.421	87%	0.009
2	17:19:11	91%	0.050	0.024	4.756	3.974	4.400	88%	0.010
3	17:20:19	92%	0.041	0.021	4.803	4.113	4.417	89%	0.016
x		92%	0.052	0.027	4.726	4.119	4.413	88%	0.012
σ		1%	0.012	0.008	0.096	0.149	0.011	1%	0.004
%RSD		1	22.980	29.600	2.032	3.610	0.258	1	32.960

ICSAB 06/04/2011 05:24:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:56	82%	21.130	3.886	0.000	103500.000	104500.000	104900.000	104400.000	101700.000
2	17:27:04	84%	20.360	3.045	0.000	102800.000	103500.000	103100.000	103100.000	101000.000
3	17:28:12	82%	21.170	2.956	0.000	106100.000	107500.000	107700.000	107300.000	104000.000
x		82%	20.890	3.296	0.000	104100.000	105200.000	105200.000	104900.000	102300.000
σ		2%	0.458	0.513	0.000	1715.000	2064.000	2301.000	2136.000	1585.000
%RSD		2	2.193	15.570	0.000	1.647	1.962	2.187	2.036	1.550
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:56	55.780	95070.000	0.000	0.000	100500.000	101300.000	100700.000	87%	2058.000
2	17:27:04	58.900	97730.000	0.000	0.000	98700.000	104200.000	103400.000	87%	2039.000
3	17:28:12	61.650	99160.000	0.000	0.000	100800.000	104400.000	105000.000	84%	2112.000
x		58.780	97320.000	0.000	0.000	100000.000	103300.000	103000.000	86%	2070.000
σ		2.936	2077.000	0.000	0.000	1139.000	1717.000	2196.000	2%	38.040
%RSD		4.994	2.134	0.000	0.000	1.139	1.663	2.132	2	1.838
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:56	18.350	40.070	38.240	99320.000	28.540	100600.000	98870.000	20.510	26.050
2	17:27:04	18.000	40.060	41.160	102000.000	28.850	100800.000	99140.000	20.970	26.580
3	17:28:12	18.850	41.130	43.960	103800.000	30.360	103800.000	101500.000	20.990	26.760
x		18.400	40.420	41.120	101700.000	29.250	101700.000	99850.000	20.820	26.460
σ		0.428	0.614	2.862	2245.000	0.972	1826.000	1462.000	0.270	0.371
%RSD		2.328	1.519	6.960	2.208	3.324	1.795	1.464	1.295	1.401
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:56	28.110	28.860	32.300	20.100	17.340	0.147	19.910	20.980	2.998
2	17:27:04	27.410	27.210	33.080	18.970	15.520	0.260	20.090	18.990	4.853
3	17:28:12	28.700	29.070	33.700	20.410	20.640	0.200	21.170	19.370	1.111
x		28.070	28.380	33.030	19.830	17.830	0.202	20.390	19.780	2.987
σ		0.648	1.019	0.704	0.757	2.593	0.056	0.684	1.059	1.871
%RSD		2.309	3.589	2.133	3.819	14.540	27.780	3.357	5.352	62.630
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:56	2004.000	1998.000	2059.000	2079.000	2028.000	0.019	83%	20.860	19.180
2	17:27:04	2028.000	2018.000	2041.000	2034.000	2024.000	0.009	84%	17.890	19.820
3	17:28:12	1998.000	1997.000	2016.000	2004.000	1995.000	0.019	84%	22.950	19.810
x		2010.000	2004.000	2039.000	2039.000	2015.000	0.016	84%	20.570	19.600
σ		15.650	11.810	21.750	37.620	18.060	0.006	0%	2.546	0.367
%RSD		0.779	0.589	1.067	1.845	0.896	38.010	0	12.380	1.871
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:56	20.590	20.780	19.370	20.410	0.547	22.310	21.090	21.920	92%
2	17:27:04	17.390	17.810	19.350	20.330	0.390	21.370	22.260	21.000	93%
3	17:28:12	17.950	22.880	18.970	21.950	0.401	21.370	22.110	21.090	92%
x		18.640	20.490	19.230	20.900	0.446	21.680	21.820	21.340	92%
σ		1.712	2.549	0.227	0.914	0.088	0.542	0.639	0.505	1%
%RSD		9.180	12.440	1.181	4.375	19.760	2.502	2.931	2.365	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	17:25:56	92%	20.130	19.850	25.540	23.430	24.440	89%	0.022	
2	17:27:04	92%	20.420	20.310	25.880	23.900	24.630	88%	0.012	
3	17:28:12	91%	20.200	20.180	26.250	23.490	24.420	87%	0.014	
x		92%	20.250	20.110	25.890	23.610	24.500	88%	0.016	
σ		1%	0.150	0.235	0.353	0.256	0.113	1%	0.005	
%RSD		1	0.740	1.167	1.364	1.084	0.463	1	31.690	

ICSAX10 06/04/2011 05:32:43 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	17:33:51	87%	0.047	2.933	0.000	10620.000	11000.000	11010.000	10390.000	10480.000
2	17:34:58	87%	0.055	3.263	0.000	10770.000	11070.000	10920.000	10490.000	10490.000
3	17:36:07	86%	0.047	2.157	0.000	10450.000	10890.000	10920.000	10350.000	10490.000
x		87%	0.050	2.784	0.000	10610.000	10990.000	10950.000	10410.000	10490.000
σ		0%	0.005	0.568	0.000	157.100	94.140	53.040	69.080	7.200
%RSD		0	9.503	20.390	0.000	1.481	0.857	0.484	0.663	0.069

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:51	10.600	10060.000	0.000	0.000	10340.000	10630.000	10630.000	89%	208.000
2	17:34:58	11.190	9922.000	0.000	0.000	10350.000	11360.000	10300.000	91%	207.800
3	17:36:07	10.580	9864.000	0.000	0.000	10050.000	10870.000	10350.000	91%	205.100
x		10.790	9950.000	0.000	0.000	10240.000	10950.000	10430.000	90%	206.900
σ		0.347	102.500	0.000	0.000	172.100	369.500	177.900	1%	1.637
%RSD		3.220	1.030	0.000	0.000	1.680	3.374	1.706	1	0.791

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:51	-1.116	2.110	10.750	10390.000	0.630	10510.000	10400.000	0.178	0.831
2	17:34:58	-0.679	2.158	9.237	10260.000	0.564	10580.000	10420.000	0.205	0.744
3	17:36:07	-0.133	1.981	8.285	10380.000	0.606	10580.000	10460.000	0.207	0.715
x		-0.643	2.083	9.424	10340.000	0.600	10560.000	10430.000	0.197	0.764
σ		0.492	0.092	1.244	74.450	0.034	44.050	30.400	0.017	0.060
%RSD		76.550	4.399	13.200	0.720	5.617	0.417	0.292	8.431	7.917

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:51	0.869	1.065	1.995	0.092	-0.526	0.054	-0.923	-0.531	0.174
2	17:34:58	0.986	0.980	1.749	0.071	-0.724	0.047	-1.501	-0.132	-0.472
3	17:36:07	0.845	0.875	1.841	0.044	0.213	0.041	0.067	0.099	-0.407
x		0.900	0.973	1.862	0.069	-0.346	0.047	-0.786	-0.188	-0.235
σ		0.076	0.095	0.124	0.024	0.494	0.006	0.793	0.319	0.356
%RSD		8.390	9.771	6.680	34.470	143.000	13.010	100.900	169.500	151.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:51	194.500	200.300	202.300	198.000	197.200	-0.001	89%	-0.780	0.090
2	17:34:58	197.500	198.400	198.700	193.500	202.000	-0.001	89%	-0.427	0.039
3	17:36:07	198.300	200.900	200.700	201.300	199.600	-0.001	87%	0.480	0.028
x		196.800	199.900	200.600	197.600	199.600	-0.001	89%	-0.242	0.052
σ		2.038	1.286	1.789	3.893	2.432	0.000	1%	0.650	0.033
%RSD		1.036	0.644	0.892	1.971	1.218	0.000	1	268.100	63.820

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:51	2.126	-0.795	0.055	0.031	0.092	0.225	0.464	0.306	94%
2	17:34:58	2.033	-0.441	0.078	0.063	0.075	0.212	0.254	0.306	93%
3	17:36:07	1.549	0.459	0.069	0.158	0.090	0.180	0.295	0.309	94%
x		1.903	-0.259	0.067	0.084	0.085	0.206	0.338	0.307	94%
σ		0.309	0.647	0.012	0.066	0.009	0.023	0.111	0.002	0%
%RSD		16.260	249.900	17.520	79.010	11.110	11.120	32.960	0.540	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:51	94%	0.118	0.102	0.564	0.508	0.505	92%	0.020
2	17:34:58	93%	0.084	0.104	0.542	0.432	0.497	93%	0.023
3	17:36:07	93%	0.073	0.073	0.545	0.471	0.494	91%	0.014
x		93%	0.092	0.093	0.551	0.471	0.499	92%	0.019
σ		0%	0.023	0.017	0.012	0.038	0.006	1%	0.005
%RSD		0	25.410	18.680	2.130	8.080	1.170	1	23.530

ICSABX10 06/04/2011 05:40:37 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	17:41:45	82%	2.195	2.107	0.000	10530.000	10750.000	10540.000	10080.000	10300.000
2	17:42:53	82%	2.318	1.420	0.000	10530.000	10800.000	10620.000	10120.000	10240.000
3	17:44:01	82%	2.336	1.290	0.000	10620.000	10900.000	10780.000	10340.000	10440.000
x		82%	2.283	1.606	0.000	10560.000	10820.000	10640.000	10180.000	10330.000
σ		0%	0.077	0.439	0.000	49.210	76.800	122.200	139.600	100.200
%RSD		0	3.377	27.350	0.000	0.466	0.710	1.148	1.372	0.970

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:45	12.990	9840.000	0.000	0.000	9794.000	11100.000	10100.000	84%	207.100
2	17:42:53	11.890	9779.000	0.000	0.000	9865.000	11410.000	10190.000	82%	211.400
3	17:44:01	14.600	9736.000	0.000	0.000	10220.000	11440.000	10080.000	85%	210.800
x		13.160	9785.000	0.000	0.000	9959.000	11320.000	10120.000	83%	209.700
σ		1.362	52.450	0.000	0.000	227.800	188.400	55.830	1%	2.330
%RSD		10.350	0.536	0.000	0.000	2.288	1.664	0.551	2	1.111

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:45	1.705	4.173	6.857	10030.000	2.590	10430.000	10170.000	2.047	2.733
2	17:42:53	1.822	4.233	6.650	10290.000	2.820	10490.000	10490.000	2.264	2.781
3	17:44:01	1.762	3.948	6.955	10290.000	2.844	10590.000	10320.000	1.996	2.955
x		1.763	4.118	6.821	10200.000	2.751	10500.000	10330.000	2.102	2.823
σ		0.059	0.150	0.156	147.200	0.140	83.690	157.400	0.142	0.116
%RSD		3.324	3.646	2.280	1.443	5.096	0.797	1.524	6.762	4.124

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:45	3.149	3.038	3.444	1.995	0.551	0.057	2.003	1.396	3.078
2	17:42:53	2.963	2.795	3.729	2.123	0.901	0.038	1.872	1.498	4.299
3	17:44:01	2.988	3.164	3.560	2.136	1.624	0.005	2.039	2.248	0.302
x		3.033	2.999	3.578	2.085	1.026	0.033	1.971	1.714	2.560
σ		0.101	0.188	0.144	0.078	0.547	0.026	0.088	0.465	2.048
%RSD		3.321	6.253	4.010	3.741	53.360	79.420	4.460	27.150	80.010

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:45	202.600	200.800	199.000	198.100	196.500	-0.001	78%	1.652	2.022
2	17:42:53	201.500	202.800	200.400	202.900	200.100	-0.001	76%	4.502	1.990
3	17:44:01	198.000	200.500	199.400	199.400	201.200	-0.001	80%	1.763	1.908
x		200.700	201.400	199.600	200.100	199.300	-0.001	78%	2.639	1.973
σ		2.415	1.223	0.764	2.484	2.502	0.000	2%	1.615	0.059
%RSD		1.204	0.608	0.383	1.241	1.255	0.000	2	61.180	2.985

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:45	2.299	1.629	2.048	1.920	0.061	2.262	2.185	2.277	84%
2	17:42:53	0.341	4.484	1.972	2.616	0.076	2.292	2.044	2.092	80%
3	17:44:01	2.830	1.740	2.068	2.072	0.077	1.870	1.936	2.275	86%
x		1.823	2.617	2.029	2.203	0.072	2.141	2.055	2.215	83%
σ		1.311	1.617	0.050	0.366	0.009	0.236	0.125	0.106	3%
%RSD		71.880	61.790	2.481	16.600	12.640	11.000	6.080	4.779	3

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:45	83%	2.100	2.167	2.529	2.358	2.415	78%	0.005
2	17:42:53	79%	2.045	2.066	2.649	2.340	2.396	79%	0.017
3	17:44:01	84%	1.869	1.998	2.623	2.320	2.429	81%	0.018
x		82%	2.005	2.077	2.600	2.339	2.413	79%	0.013
σ		3%	0.121	0.085	0.063	0.019	0.017	2%	0.007
%RSD		3	6.022	4.077	2.422	0.806	0.687	2	51.930

CCV 06/04/2011 05:48:30 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	17:49:38	89%	517.400	508.600	0.000	50810.000	51690.000	52450.000	52010.000	10280.000
2	17:50:46	88%	520.000	519.500	0.000	51240.000	51730.000	50660.000	51880.000	10230.000
3	17:51:54	89%	524.200	512.400	0.000	50770.000	52560.000	51780.000	52240.000	10370.000
x		89%	520.500	513.500	0.000	50940.000	51990.000	51630.000	52040.000	10290.000
σ		1%	3.448	5.507	0.000	257.100	493.300	904.600	182.100	68.500
%RSD		1	0.662	1.072	0.000	0.505	0.949	1.752	0.350	0.665

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:38	507.800	9810.000	0.000	0.000	24480.000	50670.000	49970.000	90%	506.500
2	17:50:46	505.100	9757.000	0.000	0.000	25150.000	52280.000	49870.000	91%	494.100
3	17:51:54	507.400	9970.000	0.000	0.000	25430.000	53040.000	50350.000	89%	501.600
x		506.800	9846.000	0.000	0.000	25020.000	52000.000	50060.000	90%	500.700
σ		1.436	110.600	0.000	0.000	491.500	1207.000	255.600	1%	6.228
%RSD		0.283	1.124	0.000	0.000	1.965	2.321	0.511	1	1.244

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:38	491.800	499.100	11.230	25820.000	990.800	25660.000	25560.000	499.100	506.200
2	17:50:46	488.000	499.500	10.780	25450.000	995.300	26060.000	25680.000	500.400	503.800
3	17:51:54	501.000	515.600	6.690	26180.000	1009.000	25780.000	25690.000	503.600	509.000
x		493.600	504.700	9.567	25820.000	998.500	25830.000	25640.000	501.000	506.400
σ		6.674	9.413	2.502	366.500	9.623	203.800	71.370	2.328	2.618
%RSD		1.352	1.865	26.150	1.419	0.964	0.789	0.278	0.465	0.517

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:38	1002.000	1010.000	988.700	510.400	536.600	-0.396	515.000	514.800	1.607
2	17:50:46	993.800	1008.000	970.700	500.500	519.400	-0.522	511.600	506.300	2.096
3	17:51:54	1022.000	1030.000	1004.000	503.300	533.500	-0.954	510.000	518.300	3.655
x		1006.000	1016.000	987.900	504.700	529.900	-0.624	512.200	513.100	2.453
σ		14.630	12.470	16.780	5.091	9.170	0.293	2.562	6.187	1.069
%RSD		1.454	1.227	1.699	1.009	1.731	46.950	0.500	1.206	43.590

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:38	509.200	513.000	501.800	513.900	511.500	0.004	84%	516.200	515.700
2	17:50:46	495.500	492.800	493.300	493.100	493.400	0.004	86%	506.900	503.000
3	17:51:54	493.800	505.600	504.300	495.100	498.500	0.003	87%	520.000	504.200
x		499.500	503.800	499.800	500.700	501.200	0.004	86%	514.300	507.600
σ		8.454	10.200	5.767	11.470	9.326	0.000	1%	6.728	7.007
%RSD		1.692	2.024	1.154	2.291	1.861	2.128	2	1.308	1.380

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:38	19.400	515.600	514.100	506.300	498.900	500.800	2508.000	2453.000	89%
2	17:50:46	5.235	506.900	503.700	501.000	493.800	501.400	2449.000	2448.000	89%
3	17:51:54	4.682	519.600	506.800	508.100	499.900	500.200	2438.000	2419.000	91%
x		9.773	514.000	508.200	505.100	497.500	500.800	2465.000	2440.000	89%
σ		8.344	6.495	5.360	3.730	3.259	0.611	37.740	18.400	1%
%RSD		85.380	1.263	1.055	0.738	0.655	0.122	1.531	0.754	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:38	89%	496.800	493.400	491.900	486.900	491.100	85%	483.800
2	17:50:46	88%	507.500	503.600	497.300	498.600	501.700	84%	489.800
3	17:51:54	90%	489.000	480.600	484.100	494.400	490.500	87%	472.600
x		89%	497.800	492.500	491.100	493.300	494.400	86%	482.100
σ		1%	9.306	11.500	6.631	5.923	6.318	1%	8.752
%RSD		1	1.869	2.334	1.350	1.201	1.278	2	1.816

CCB 06/04/2011 05:56:21 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	17:57:29	91%	0.098	6.285	0.000	10.340	9.369	8.550	8.802	3.352
2	17:58:37	89%	0.132	7.151	0.000	22.170	19.590	17.670	17.640	6.899
3	17:59:45	92%	0.112	4.733	0.000	17.900	20.020	20.600	19.320	7.753
x		91%	0.114	6.057	0.000	16.810	16.330	15.610	15.260	6.001
σ		1%	0.018	1.225	0.000	5.991	6.029	6.284	5.652	2.334
%RSD		1	15.380	20.230	0.000	35.640	36.930	40.270	37.050	38.890
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:29	-0.902	11.930	0.000	0.000	17.200	7.166	9.724	91%	0.101
2	17:58:37	-0.676	15.670	0.000	0.000	24.470	22.230	17.050	91%	0.170
3	17:59:45	-0.564	19.120	0.000	0.000	22.580	32.340	20.080	90%	0.205
x		-0.714	15.570	0.000	0.000	21.420	20.580	15.620	91%	0.158
σ		0.172	3.596	0.000	0.000	3.773	12.670	5.324	0%	0.053
%RSD		24.100	23.090	0.000	0.000	17.620	61.570	34.090	0	33.450
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:29	0.019	0.136	2.074	4.105	0.113	-0.444	7.216	0.051	0.382
2	17:58:37	-0.003	0.083	1.998	11.730	0.275	4.319	12.620	0.150	0.383
3	17:59:45	0.134	0.188	1.887	9.865	0.339	7.118	12.840	0.115	0.391
x		0.050	0.136	1.986	8.566	0.242	3.665	10.890	0.106	0.385
σ		0.073	0.052	0.094	3.974	0.116	3.823	3.186	0.050	0.005
%RSD		147.100	38.580	4.756	46.400	48.010	104.300	29.250	47.590	1.355
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:29	0.156	0.134	0.226	-0.031	-0.500	0.024	0.508	-0.359	0.450
2	17:58:37	0.311	0.218	0.350	0.228	0.501	0.011	-0.195	0.153	0.153
3	17:59:45	0.265	0.286	0.324	0.166	-0.190	0.005	0.033	0.374	0.395
x		0.244	0.213	0.300	0.121	-0.063	0.014	0.116	0.056	0.333
σ		0.080	0.076	0.065	0.135	0.512	0.010	0.359	0.376	0.158
%RSD		32.660	35.900	21.830	111.900	813.700	72.050	310.700	674.400	47.510
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:29	0.883	1.112	0.974	1.002	0.972	-0.001	89%	0.495	0.081
2	17:58:37	0.910	0.717	0.830	0.847	0.816	0.003	89%	-0.010	0.167
3	17:59:45	0.777	0.597	0.750	0.644	0.726	-0.001	91%	-0.900	0.171
x		0.857	0.808	0.851	0.831	0.838	0.000	89%	-0.138	0.140
σ		0.070	0.270	0.114	0.180	0.124	0.003	1%	0.706	0.051
%RSD		8.178	33.330	13.330	21.630	14.820	1532.000	1	510.700	36.240
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:29	-0.285	0.490	0.113	0.147	0.536	0.790	0.476	0.303	90%
2	17:58:37	0.042	-0.018	0.194	0.205	0.560	0.608	0.492	0.853	91%
3	17:59:45	0.548	-0.903	0.118	0.078	0.436	0.508	0.642	0.790	91%
x		0.102	-0.144	0.142	0.143	0.511	0.635	0.537	0.649	91%
σ		0.420	0.705	0.045	0.064	0.066	0.143	0.092	0.301	1%
%RSD		413.300	490.900	32.040	44.490	12.880	22.540	17.050	46.390	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	17:57:29	91%	0.145	0.121	0.080	0.063	0.080	90%	0.082	
2	17:58:37	91%	0.176	0.200	0.168	0.114	0.135	91%	0.144	
3	17:59:45	91%	0.154	0.184	0.153	0.141	0.134	92%	0.119	
x		91%	0.158	0.168	0.134	0.106	0.117	91%	0.115	
σ		0%	0.016	0.042	0.047	0.040	0.032	1%	0.031	
%RSD		1	9.806	24.990	35.210	37.780	27.190	1	26.960	

zzzzzz 06/04/2011 06:04:13 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	18:05:21	93%	0.086	1.738	0.000	20.530	19.420	19.950	19.520	8.082
2	18:06:29	91%	0.113	3.810	0.000	16.750	17.510	17.470	16.520	7.551
3	18:07:37	94%	0.046	3.040	0.000	8.822	12.680	12.800	12.200	6.277
x		92%	0.082	2.862	0.000	15.370	16.540	16.740	16.080	7.303
σ		1%	0.034	1.047	0.000	5.976	3.476	3.633	3.681	0.928
%RSD		2	41.470	36.590	0.000	38.880	21.020	21.700	22.890	12.710
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:21	-0.562	18.240	0.000	0.000	22.900	15.140	18.670	92%	0.366
2	18:06:29	0.524	11.320	0.000	0.000	19.540	11.870	20.730	92%	0.198
3	18:07:37	-0.809	10.710	0.000	0.000	8.734	9.671	13.550	95%	0.158
x		-0.282	13.420	0.000	0.000	17.060	12.230	17.650	93%	0.241
σ		0.709	4.183	0.000	0.000	7.402	2.750	3.695	1%	0.110
%RSD		251.300	31.160	0.000	0.000	43.390	22.500	20.940	2	45.830
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:21	-0.047	0.112	1.938	9.542	0.268	6.075	13.180	0.132	0.223
2	18:06:29	-0.273	0.112	2.179	7.101	0.178	4.365	8.571	0.097	0.159
3	18:07:37	0.076	0.063	1.428	4.123	0.174	2.143	9.111	0.075	0.121
x		-0.081	0.096	1.848	6.922	0.206	4.194	10.290	0.101	0.167
σ		0.177	0.028	0.384	2.714	0.053	1.971	2.522	0.029	0.052
%RSD		217.100	29.360	20.750	39.210	25.720	47.000	24.510	28.530	30.810
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:21	0.211	0.190	0.428	-0.009	-0.591	0.020	-0.618	0.198	0.011
2	18:06:29	0.249	0.262	0.258	0.139	0.447	0.006	-0.500	-0.026	-0.647
3	18:07:37	0.193	0.132	0.321	0.020	0.254	0.016	-0.576	-0.135	0.479
x		0.218	0.195	0.336	0.050	0.037	0.014	-0.565	0.013	-0.052
σ		0.028	0.065	0.086	0.078	0.552	0.008	0.060	0.170	0.566
%RSD		13.030	33.240	25.620	156.700	1500.000	53.630	10.620	1347.000	1081.000
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:21	0.496	0.451	0.451	0.379	0.422	-0.001	92%	-0.564	0.118
2	18:06:29	0.385	0.425	0.378	0.392	0.371	-0.001	95%	0.752	0.071
3	18:07:37	0.310	0.309	0.338	0.292	0.328	-0.001	94%	0.210	0.027
x		0.397	0.395	0.389	0.354	0.374	-0.001	94%	0.133	0.072
σ		0.094	0.076	0.057	0.055	0.047	0.000	1%	0.661	0.045
%RSD		23.570	19.230	14.730	15.430	12.640	0.000	1	497.800	63.030
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:05:21	0.309	-0.576	0.110	0.092	0.192	0.238	0.561	0.673	96%
2	18:06:29	-0.411	0.750	0.080	0.155	0.049	0.240	0.687	0.584	95%
3	18:07:37	0.009	0.201	0.041	0.074	0.150	0.167	0.259	0.451	97%
x		-0.031	0.125	0.077	0.107	0.131	0.215	0.502	0.569	96%
σ		0.362	0.666	0.035	0.043	0.073	0.042	0.220	0.112	1%
%RSD		1154.000	532.600	44.860	39.860	56.140	19.360	43.790	19.680	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	18:05:21	95%	0.192	0.165	0.155	0.116	0.137	93%	0.104	
2	18:06:29	95%	0.141	0.138	0.109	0.093	0.109	95%	0.099	
3	18:07:37	98%	0.100	0.078	0.099	0.091	0.087	98%	0.084	
x		96%	0.144	0.127	0.121	0.100	0.111	96%	0.096	
σ		2%	0.046	0.044	0.030	0.014	0.025	2%	0.010	
%RSD		2	31.610	34.990	24.690	13.700	22.480	2	10.700	

PB55585BL PBW 06/04/2011 06:12:06 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	18:13:14	92%	-0.023	1.861	0.000	-1.801	0.657	0.905	1.392	0.659
2	18:14:22	90%	-0.022	2.658	0.000	1.513	2.216	2.537	1.613	1.299
3	18:15:30	93%	0.008	1.197	0.000	-0.128	2.319	1.586	1.415	1.181
x		92%	-0.012	1.906	0.000	-0.139	1.731	1.676	1.473	1.046
σ		1%	0.017	0.732	0.000	1.657	0.932	0.820	0.121	0.340
%RSD		1	140.200	38.390	0.000	1194.000	53.840	48.920	8.237	32.520

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:14	-1.326	6.285	0.000	0.000	-0.947	1.612	-1.114	95%	-0.070
2	18:14:22	-1.484	11.130	0.000	0.000	6.321	2.079	2.149	92%	0.132
3	18:15:30	-1.589	2.527	0.000	0.000	2.222	0.176	3.710	94%	0.127
x		-1.466	6.649	0.000	0.000	2.532	1.289	1.582	94%	0.063
σ		0.132	4.316	0.000	0.000	3.644	0.992	2.461	2%	0.115
%RSD		9.012	64.910	0.000	0.000	143.900	76.930	155.600	2	183.700

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:14	-0.277	-0.050	1.792	-1.411	-0.026	-7.109	0.582	0.006	0.085
2	18:14:22	0.135	0.004	1.290	2.360	0.035	-4.616	-0.096	0.010	0.116
3	18:15:30	-0.012	0.018	1.347	-2.896	0.029	-5.120	-0.530	0.010	0.016
x		-0.051	-0.009	1.477	-0.649	0.013	-5.615	-0.015	0.009	0.072
σ		0.209	0.036	0.275	2.710	0.034	1.319	0.561	0.002	0.051
%RSD		409.100	385.800	18.600	417.600	262.500	23.480	3826.000	27.120	70.540

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:14	0.006	-0.007	0.064	0.067	0.321	0.003	-0.088	0.350	-3.258
2	18:14:22	0.027	-0.020	0.039	-0.065	-0.855	0.027	-0.736	-0.410	-0.852
3	18:15:30	0.003	0.001	0.119	-0.063	-0.756	0.019	-0.991	-0.189	1.857
x		0.012	-0.009	0.074	-0.020	-0.430	0.016	-0.605	-0.083	-0.751
σ		0.013	0.011	0.041	0.076	0.652	0.012	0.465	0.391	2.559
%RSD		112.700	123.200	55.110	375.100	151.700	73.990	76.880	470.300	340.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:14	0.235	0.088	0.160	0.201	0.110	-0.001	94%	-1.194	0.006
2	18:14:22	0.192	0.115	0.082	0.104	0.128	-0.001	92%	1.875	0.007
3	18:15:30	0.158	0.087	0.063	0.131	0.103	-0.001	96%	-0.047	-0.005
x		0.195	0.097	0.102	0.145	0.114	-0.001	94%	0.211	0.003
σ		0.039	0.016	0.051	0.050	0.013	0.000	2%	1.551	0.007
%RSD		19.750	16.420	50.540	34.540	11.270	0.000	2	733.800	271.900

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:14	0.535	-1.206	0.004	-0.071	0.017	0.022	0.020	0.026	98%
2	18:14:22	-0.947	1.857	0.010	0.116	-0.021	0.036	0.040	0.049	97%
3	18:15:30	-0.021	-0.058	0.011	-0.015	0.035	0.021	0.073	0.067	99%
x		-0.144	0.198	0.008	0.010	0.010	0.026	0.045	0.047	98%
σ		0.749	1.548	0.004	0.096	0.029	0.008	0.027	0.021	1%
%RSD		519.500	783.100	44.960	932.800	288.100	31.380	60.180	43.490	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:14	96%	0.010	0.011	0.028	-0.003	0.008	95%	0.002
2	18:14:22	97%	0.020	0.034	0.035	0.019	0.017	97%	0.010
3	18:15:30	99%	0.014	0.010	0.009	0.007	0.011	99%	0.010
x		98%	0.015	0.018	0.024	0.008	0.012	97%	0.007
σ		2%	0.005	0.014	0.014	0.011	0.005	2%	0.005
%RSD		2	34.360	73.940	57.110	134.800	39.450	2	62.080

PB55605BL PBW 06/04/2011 06:19:59 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:07	93%	0.008	1.214	0.000	-0.185	0.944	0.513	1.557	0.799
2	18:22:15	94%	-0.047	0.765	0.000	-0.682	1.010	2.196	1.320	0.881
3	18:23:23	90%	-0.022	1.288	0.000	0.148	0.973	0.514	1.072	1.013
x		92%	-0.020	1.089	0.000	-0.240	0.976	1.074	1.316	0.898
σ		2%	0.028	0.283	0.000	0.418	0.033	0.971	0.242	0.108
%RSD		2	137.000	25.980	0.000	174.200	3.400	90.380	18.410	12.020
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:07	-2.401	5.925	0.000	0.000	0.695	-6.179	1.804	93%	0.030
2	18:22:15	-2.616	2.891	0.000	0.000	-7.765	-0.205	3.357	98%	-0.039
3	18:23:23	-2.217	4.677	0.000	0.000	2.077	-4.303	0.583	89%	0.001
x		-2.411	4.497	0.000	0.000	-1.664	-3.562	1.915	93%	-0.003
σ		0.200	1.525	0.000	0.000	5.329	3.055	1.390	4%	0.035
%RSD		8.274	33.910	0.000	0.000	320.200	85.750	72.620	4	1212.000
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:07	0.255	0.003	0.900	-1.134	0.004	-5.852	-2.624	0.003	0.070
2	18:22:15	-0.040	-0.021	1.022	-4.074	0.006	-7.065	-0.653	0.006	0.041
3	18:23:23	-0.020	0.026	1.132	-1.602	0.006	-5.440	-0.167	-0.001	0.000
x		0.065	0.003	1.018	-2.270	0.005	-6.119	-1.148	0.003	0.037
σ		0.165	0.023	0.116	1.579	0.001	0.845	1.301	0.003	0.035
%RSD		253.400	829.700	11.390	69.580	20.810	13.810	113.300	132.900	94.260
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:07	0.040	0.017	0.010	-0.041	-0.548	0.014	-1.018	-0.407	1.121
2	18:22:15	-0.002	0.043	-0.055	-0.047	-0.339	0.009	-0.551	0.351	-1.816
3	18:23:23	0.003	0.020	0.021	-0.115	-0.257	0.024	0.325	-0.647	2.315
x		0.014	0.027	-0.008	-0.068	-0.381	0.016	-0.415	-0.234	0.540
σ		0.023	0.015	0.041	0.041	0.150	0.008	0.682	0.521	2.126
%RSD		170.100	54.700	527.300	60.820	39.410	50.990	164.400	222.500	393.600
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:07	0.138	0.105	0.142	0.113	0.102	-0.001	93%	-0.198	0.004
2	18:22:15	0.125	0.068	0.135	0.124	0.067	-0.001	93%	-1.560	0.007
3	18:23:23	0.134	0.058	0.079	0.048	0.034	-0.001	89%	-1.125	-0.005
x		0.132	0.077	0.119	0.095	0.068	-0.001	91%	-0.961	0.002
σ		0.007	0.025	0.034	0.041	0.034	0.000	3%	0.696	0.006
%RSD		4.941	31.940	29.010	43.000	50.260	0.000	3	72.370	303.600
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:07	0.213	-0.219	0.002	-0.043	-0.015	0.001	-0.053	0.015	100%
2	18:22:15	0.718	-1.584	-0.001	-0.103	0.017	-0.005	-0.035	0.046	102%
3	18:23:23	0.508	-1.150	-0.000	-0.068	-0.023	0.010	0.004	0.006	97%
x		0.479	-0.984	0.000	-0.071	-0.007	0.002	-0.028	0.022	100%
σ		0.254	0.697	0.001	0.030	0.021	0.007	0.029	0.021	2%
%RSD		52.910	70.820	497.200	42.450	295.800	372.400	103.800	92.990	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	18:21:07	101%	0.021	0.010	0.011	0.007	0.000	101%	0.001	
2	18:22:15	99%	0.010	0.009	0.017	-0.006	0.004	97%	0.006	
3	18:23:23	94%	0.006	0.002	0.012	-0.005	-0.000	95%	-0.000	
x		98%	0.012	0.007	0.013	-0.001	0.001	98%	0.002	
σ		4%	0.008	0.004	0.003	0.007	0.003	3%	0.004	
%RSD		4	63.300	60.720	23.760	509.200	178.800	3	164.000	

PB55585BS LCSW 06/04/2011 06:43:38 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:46	92%	1.827	11.050	0.000	979.700	1051.000	1043.000	1039.000	41.050
2	18:45:54	91%	2.138	10.730	0.000	1003.000	1063.000	1039.000	1048.000	41.850
3	18:47:02	92%	2.025	10.060	0.000	1009.000	1057.000	1052.000	1047.000	42.930
x		92%	1.997	10.610	0.000	997.500	1057.000	1045.000	1044.000	41.940
σ		1%	0.158	0.503	0.000	15.670	5.793	6.812	5.070	0.941
%RSD		1	7.890	4.743	0.000	1.571	0.548	0.652	0.485	2.244

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:46	8.902	7.511	0.000	0.000	972.900	918.900	1033.000	89%	9.084
2	18:45:54	9.519	7.923	0.000	0.000	994.800	1005.000	1043.000	90%	8.821
3	18:47:02	9.649	9.016	0.000	0.000	998.300	954.600	1039.000	90%	10.120
x		9.357	8.150	0.000	0.000	988.600	959.400	1038.000	90%	9.342
σ		0.399	0.778	0.000	0.000	13.780	43.150	4.915	1%	0.688
%RSD		4.263	9.543	0.000	0.000	1.394	4.497	0.473	1	7.361

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:46	9.688	4.272	1.094	423.100	2.010	403.500	410.200	2.156	2.364
2	18:45:54	9.900	4.143	0.997	426.700	2.134	410.300	424.400	2.145	2.245
3	18:47:02	10.260	4.193	0.728	422.000	2.008	404.300	413.700	2.023	2.295
x		9.951	4.203	0.940	423.900	2.051	406.000	416.100	2.108	2.301
σ		0.292	0.065	0.190	2.465	0.072	3.734	7.370	0.074	0.060
%RSD		2.930	1.547	20.180	0.581	3.522	0.920	1.771	3.500	2.593

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:46	4.320	3.817	4.364	2.074	8.732	-0.011	11.110	10.230	-0.706
2	18:45:54	4.190	4.214	4.481	2.225	11.410	-0.020	9.378	9.887	1.274
3	18:47:02	4.125	4.225	4.997	2.419	11.870	-0.055	9.286	11.000	1.421
x		4.211	4.085	4.614	2.239	10.670	-0.029	9.923	10.370	0.663
σ		0.099	0.232	0.336	0.173	1.696	0.023	1.026	0.570	1.188
%RSD		2.355	5.683	7.292	7.715	15.890	80.100	10.330	5.499	179.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:46	9.244	8.791	9.434	9.880	9.470	-0.001	88%	3.819	2.005
2	18:45:54	10.600	9.824	10.190	10.100	10.090	-0.001	85%	4.020	2.160
3	18:47:02	9.645	9.235	10.200	9.891	9.845	-0.001	88%	1.464	2.044
x		9.829	9.283	9.942	9.956	9.802	-0.001	87%	3.101	2.070
σ		0.696	0.518	0.440	0.124	0.313	0.000	2%	1.421	0.080
%RSD		7.083	5.578	4.423	1.241	3.194	0.000	2	45.840	3.889

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:46	-0.409	3.821	2.105	2.174	9.643	3.984	20.410	19.230	88%
2	18:45:54	-0.781	3.991	2.143	2.406	9.511	3.988	20.260	20.030	91%
3	18:47:02	0.406	1.454	2.123	1.877	10.100	4.078	20.010	18.560	91%
x		-0.261	3.089	2.124	2.152	9.752	4.017	20.220	19.270	90%
σ		0.607	1.419	0.019	0.265	0.310	0.053	0.199	0.735	1%
%RSD		232.400	45.930	0.892	12.320	3.179	1.322	0.983	3.813	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:46	88%	2.141	1.941	2.127	1.980	2.022	86%	0.001
2	18:45:54	89%	2.082	1.931	2.069	2.023	1.996	85%	0.003
3	18:47:02	93%	1.912	1.972	1.822	1.870	1.972	89%	0.009
x		90%	2.045	1.948	2.006	1.958	1.997	87%	0.004
σ		3%	0.119	0.021	0.162	0.079	0.025	2%	0.004
%RSD		3	5.813	1.099	8.092	4.041	1.245	3	99.410

PB55605BS LCSW 06/04/2011 06:51:31 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	18:52:39	93%	2.166	8.785	0.000	1012.000	1071.000	1051.000	1057.000	41.890
2	18:53:47	95%	1.840	10.780	0.000	992.700	1062.000	1039.000	1039.000	40.340
3	18:54:55	95%	1.969	9.589	0.000	1021.000	1081.000	1072.000	1069.000	42.240
x		94%	1.992	9.718	0.000	1008.000	1071.000	1054.000	1055.000	41.490
σ		1%	0.164	1.003	0.000	14.450	9.728	16.780	15.110	1.011
%RSD		1	8.236	10.320	0.000	1.433	0.908	1.592	1.432	2.437

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:39	9.641	8.313	0.000	0.000	993.300	954.600	1043.000	94%	8.856
2	18:53:47	8.329	6.693	0.000	0.000	977.200	935.700	951.300	94%	9.192
3	18:54:55	8.533	9.306	0.000	0.000	1003.000	959.300	1056.000	94%	9.184
x		8.834	8.104	0.000	0.000	991.100	949.900	1017.000	94%	9.077
σ		0.706	1.319	0.000	0.000	12.870	12.510	57.010	1%	0.192
%RSD		7.989	16.280	0.000	0.000	1.299	1.317	5.607	1	2.114

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:39	10.080	4.037	0.821	416.900	2.022	410.400	421.700	1.913	2.000
2	18:53:47	9.631	4.039	0.469	408.600	1.917	388.300	395.200	1.911	2.209
3	18:54:55	9.685	4.218	0.821	414.600	2.063	408.200	408.900	2.068	1.998
x		9.800	4.098	0.704	413.300	2.001	402.300	408.600	1.964	2.069
σ		0.247	0.104	0.203	4.276	0.075	12.160	13.280	0.090	0.121
%RSD		2.515	2.539	28.850	1.034	3.743	3.023	3.250	4.575	5.858

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:39	4.233	4.206	4.386	2.192	13.420	-0.032	10.340	10.840	1.441
2	18:53:47	3.952	4.110	4.349	1.666	6.051	0.063	9.794	9.022	1.330
3	18:54:55	4.053	4.550	4.626	1.941	10.570	-0.004	9.732	9.817	0.203
x		4.080	4.289	4.454	1.933	10.010	0.009	9.957	9.892	0.991
σ		0.142	0.231	0.150	0.263	3.714	0.049	0.337	0.909	0.685
%RSD		3.490	5.394	3.374	13.610	37.090	528.700	3.383	9.191	69.120

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:39	9.306	9.905	10.020	9.743	9.688	0.003	92%	2.650	1.958
2	18:53:47	9.622	9.901	8.776	9.095	9.145	-0.001	94%	1.000	2.063
3	18:54:55	9.742	9.767	9.523	10.610	9.421	-0.001	94%	2.054	1.944
x		9.557	9.857	9.441	9.815	9.418	0.000	94%	1.902	1.988
σ		0.225	0.078	0.628	0.759	0.272	0.003	1%	0.836	0.065
%RSD		2.355	0.795	6.655	7.737	2.887	2185.000	1	43.940	3.256

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:39	-0.146	2.645	2.005	2.071	9.935	3.939	19.300	19.360	94%
2	18:53:47	0.702	0.994	1.889	1.780	9.017	3.787	18.040	18.230	96%
3	18:54:55	0.578	2.049	2.044	2.183	9.663	3.808	20.010	19.850	96%
x		0.378	1.896	1.979	2.011	9.538	3.845	19.120	19.150	95%
σ		0.458	0.836	0.081	0.208	0.472	0.082	0.996	0.827	1%
%RSD		121.200	44.100	4.069	10.350	4.943	2.140	5.211	4.321	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:39	92%	2.108	1.954	1.987	2.042	1.959	91%	-0.003
2	18:53:47	97%	2.019	1.937	2.047	1.933	1.888	94%	-0.003
3	18:54:55	96%	2.015	1.963	1.943	1.933	1.943	95%	0.000
x		95%	2.047	1.951	1.992	1.969	1.930	94%	-0.002
σ		3%	0.053	0.014	0.052	0.063	0.037	2%	0.002
%RSD		3	2.566	0.701	2.614	3.189	1.921	2	88.550

C2310-01 MF4R93 06/04/2011 06:59:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:33	91%	0.009	895.600	0.000	231800.000	53620.000	53800.000	53190.000	1.683
2	19:01:41	89%	-0.014	939.000	0.000	234200.000	54050.000	54270.000	53920.000	1.033
3	19:02:49	90%	-0.030	912.000	0.000	229200.000	53470.000	53260.000	53010.000	1.062
x		90%	-0.012	915.500	0.000	231700.000	53710.000	53780.000	53370.000	1.259
σ		1%	0.020	21.930	0.000	2499.000	304.400	501.000	479.300	0.367
%RSD		1	169.300	2.395	0.000	1.078	0.567	0.931	0.898	29.180

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:33	19550.000	4.589	0.000	0.000	6725.000	187000.000	223000.000	99%	1.337
2	19:01:41	19760.000	16.320	0.000	0.000	6836.000	188700.000	220400.000	99%	1.366
3	19:02:49	19310.000	17.810	0.000	0.000	6713.000	207400.000	219200.000	100%	1.513
x		19540.000	12.910	0.000	0.000	6758.000	194300.000	220900.000	99%	1.406
σ		226.100	7.241	0.000	0.000	68.020	11310.000	1917.000	0%	0.095
%RSD		1.157	56.100	0.000	0.000	1.006	5.821	0.868	0	6.727

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:33	-2.882	2.022	112.500	-10.460	2.169	0.848	257.500	0.546	2.034
2	19:01:41	-2.350	2.006	130.000	-7.845	2.153	-1.627	253.500	0.590	2.277
3	19:02:49	-2.411	2.337	141.000	-13.050	2.122	-1.620	235.100	0.522	1.923
x		-2.547	2.122	127.800	-10.450	2.148	-0.799	248.700	0.553	2.078
σ		0.291	0.187	14.420	2.603	0.024	1.427	11.930	0.034	0.181
%RSD		11.430	8.797	11.280	24.900	1.106	178.400	4.795	6.240	8.704

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:33	1.306	1.335	8.277	8.240	19.330	0.396	13.610	22.450	-0.703
2	19:01:41	1.255	1.246	8.010	8.693	26.810	0.413	12.790	23.110	-1.004
3	19:02:49	1.360	1.377	8.156	7.903	22.490	0.559	13.970	20.380	-1.306
x		1.307	1.319	8.147	8.279	22.880	0.456	13.460	21.980	-1.005
σ		0.053	0.067	0.134	0.396	3.755	0.090	0.601	1.427	0.302
%RSD		4.038	5.053	1.642	4.784	16.410	19.640	4.464	6.492	30.050

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:33	0.963	1.058	0.818	1.078	0.965	-0.001	83%	-2.646	0.112
2	19:01:41	-2.543	1.068	1.024	1.156	0.997	-0.001	83%	0.247	0.082
3	19:02:49	1.024	1.227	0.891	1.198	0.807	-0.001	83%	-1.032	0.027
x		-0.185	1.118	0.911	1.144	0.923	-0.001	83%	-1.144	0.074
σ		2.042	0.095	0.105	0.061	0.102	0.000	0%	1.450	0.043
%RSD		1102.000	8.472	11.480	5.323	11.040	0.000	0	126.800	58.570

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:33	1.418	-2.676	0.092	-0.085	0.092	0.084	23.070	23.010	96%
2	19:01:41	-0.148	0.205	0.059	0.077	0.119	0.075	24.240	23.620	96%
3	19:02:49	0.644	-1.074	0.053	-0.085	0.079	0.042	22.640	23.170	98%
x		0.638	-1.182	0.068	-0.031	0.097	0.067	23.320	23.270	96%
σ		0.783	1.443	0.021	0.094	0.020	0.022	0.825	0.316	1%
%RSD		122.700	122.100	30.570	303.100	21.020	33.500	3.540	1.359	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:33	95%	0.050	0.046	0.188	0.187	0.191	89%	0.002
2	19:01:41	98%	0.033	0.026	0.153	0.131	0.157	91%	0.001
3	19:02:49	95%	0.027	0.030	0.133	0.118	0.132	90%	0.001
x		96%	0.037	0.034	0.158	0.145	0.160	90%	0.001
σ		2%	0.012	0.011	0.028	0.037	0.030	1%	0.001
%RSD		2	32.520	32.570	17.730	25.500	18.500	1	56.270

C2310-02 MF4R94 06/04/2011 07:07:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:27	92%	-0.007	813.200	0.000	224600.000	51740.000	51950.000	52340.000	2.187
2	19:09:35	90%	-0.046	858.200	0.000	233400.000	53820.000	53310.000	52700.000	2.077
3	19:10:43	89%	0.020	874.900	0.000	227800.000	52450.000	52620.000	52530.000	2.703
x		91%	-0.011	848.800	0.000	228600.000	52670.000	52620.000	52520.000	2.322
σ		2%	0.033	31.910	0.000	4472.000	1062.000	679.600	180.600	0.334
%RSD		2	297.800	3.760	0.000	1.956	2.016	1.291	0.344	14.390

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:27	18820.000	56.300	0.000	0.000	6897.000	191800.000	230900.000	86%	1.730
2	19:09:35	19640.000	51.540	0.000	0.000	6978.000	198100.000	234100.000	85%	1.200
3	19:10:43	19440.000	69.640	0.000	0.000	6860.000	193800.000	230800.000	86%	1.489
x		19300.000	59.160	0.000	0.000	6912.000	194600.000	231900.000	86%	1.473
σ		429.600	9.383	0.000	0.000	60.790	3233.000	1863.000	0%	0.265
%RSD		2.226	15.860	0.000	0.000	0.880	1.661	0.803	0	18.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:27	-4.874	1.197	175.200	-2.729	2.906	3.295	252.900	0.612	2.477
2	19:09:35	-4.459	1.409	190.200	-2.938	2.890	4.011	257.500	0.547	2.701
3	19:10:43	-7.198	1.264	201.400	-3.316	3.037	4.538	249.600	0.589	3.125
x		-5.510	1.290	188.900	-2.995	2.944	3.948	253.300	0.583	2.768
σ		1.476	0.109	13.130	0.298	0.081	0.624	3.929	0.033	0.329
%RSD		26.790	8.410	6.950	9.941	2.747	15.810	1.551	5.587	11.890

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:27	9.983	9.489	24.930	22.730	-3.228	0.754	-0.933	1.099	-0.770
2	19:09:35	9.750	10.290	23.560	22.510	-2.461	0.827	-0.731	1.495	2.953
3	19:10:43	9.742	9.912	25.840	23.180	3.104	0.894	-0.980	0.383	3.447
x		9.825	9.896	24.780	22.810	-0.862	0.825	-0.881	0.993	1.877
σ		0.137	0.399	1.147	0.338	3.456	0.070	0.132	0.564	2.305
%RSD		1.390	4.028	4.630	1.482	401.000	8.435	15.030	56.770	122.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:27	0.092	0.050	0.019	0.068	0.041	-0.001	81%	-1.418	0.025
2	19:09:35	0.008	0.018	0.061	0.084	-0.004	0.009	80%	-1.531	0.053
3	19:10:43	0.099	0.002	0.031	0.046	0.029	-0.001	77%	0.093	0.013
x		0.066	0.024	0.037	0.066	0.022	0.002	79%	-0.952	0.031
σ		0.051	0.025	0.021	0.019	0.024	0.006	2%	0.907	0.021
%RSD		76.860	103.800	57.910	28.500	106.600	287.900	3	95.270	66.760

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:27	0.653	-1.450	0.009	0.020	0.184	0.047	21.650	21.280	92%
2	19:09:35	0.707	-1.562	0.039	-0.031	0.243	0.057	21.620	22.120	90%
3	19:10:43	0.020	0.051	0.026	0.088	0.214	0.038	21.010	21.080	89%
x		0.460	-0.987	0.025	0.026	0.214	0.047	21.420	21.490	91%
σ		0.382	0.901	0.015	0.060	0.029	0.009	0.362	0.555	2%
%RSD		83.060	91.270	59.950	234.700	13.640	19.860	1.691	2.580	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:27	95%	0.027	0.019	1.074	0.934	1.072	89%	0.000
2	19:09:35	91%	0.019	0.009	1.096	1.032	1.075	85%	-0.002
3	19:10:43	90%	0.025	0.007	1.236	1.005	1.067	82%	0.003
x		92%	0.024	0.011	1.135	0.990	1.071	85%	0.000
σ		3%	0.004	0.007	0.088	0.051	0.004	4%	0.002
%RSD		3	16.970	59.470	7.728	5.130	0.354	4	1052.000

zzzzzz 06/04/2011 07:15:13 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	19:16:21	75%	-0.031	1003.000	0.000	255600.000	60040.000	59790.000	59850.000	1.390
2	19:17:29	81%	-0.025	955.500	0.000	246300.000	57230.000	58250.000	58310.000	4.698
3	19:18:37	87%	-0.028	948.700	0.000	242700.000	56680.000	57530.000	56960.000	3.379
x		81%	-0.028	969.000	0.000	248200.000	57980.000	58520.000	58370.000	3.156
σ		6%	0.003	29.480	0.000	6660.000	1800.000	1155.000	1444.000	1.666
%RSD		8	10.800	3.042	0.000	2.683	3.104	1.974	2.473	52.790

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:21	21770.000	132.700	0.000	0.000	7017.000	209100.000	247600.000	66%	1.742
2	19:17:29	21540.000	125.700	0.000	0.000	7206.000	206900.000	249900.000	72%	1.413
3	19:18:37	21580.000	87.290	0.000	0.000	7541.000	214200.000	254200.000	77%	1.830
x		21630.000	115.200	0.000	0.000	7255.000	210100.000	250600.000	71%	1.662
σ		122.600	24.440	0.000	0.000	265.500	3725.000	3324.000	6%	0.220
%RSD		0.567	21.210	0.000	0.000	3.660	1.773	1.326	8	13.220

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:21	-11.340	1.551	212.900	-3.799	0.446	6.615	317.600	0.740	3.608
2	19:17:29	-9.831	1.432	218.500	-0.714	0.445	4.724	313.300	0.688	3.491
3	19:18:37	-8.617	1.328	222.200	-3.843	0.444	3.565	307.300	0.713	3.444
x		-9.928	1.437	217.900	-2.785	0.445	4.968	312.700	0.714	3.514
σ		1.362	0.111	4.709	1.794	0.001	1.540	5.151	0.026	0.084
%RSD		13.720	7.754	2.162	64.420	0.176	30.990	1.647	3.691	2.398

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:21	11.750	12.270	19.480	28.030	2.642	1.007	0.436	0.825	2.698
2	19:17:29	10.590	10.940	18.570	27.380	3.850	0.949	0.525	1.353	0.941
3	19:18:37	10.760	10.750	18.420	27.070	5.329	0.905	-0.066	1.329	2.635
x		11.030	11.320	18.830	27.490	3.940	0.954	0.298	1.169	2.092
σ		0.625	0.829	0.571	0.488	1.346	0.052	0.318	0.298	0.997
%RSD		5.666	7.323	3.032	1.775	34.150	5.400	106.700	25.510	47.660

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:21	0.106	0.161	0.023	0.067	0.027	0.007	51%	1.137	0.036
2	19:17:29	0.124	0.041	0.035	0.160	0.017	0.013	59%	-0.727	0.019
3	19:18:37	0.035	0.020	0.015	0.043	0.009	0.005	67%	0.073	0.030
x		0.088	0.074	0.024	0.090	0.018	0.008	59%	0.161	0.029
σ		0.047	0.076	0.010	0.062	0.009	0.004	8%	0.935	0.009
%RSD		53.480	102.400	41.800	69.020	49.080	51.100	14	581.200	32.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:21	-0.564	1.066	0.032	0.082	0.191	0.078	24.230	24.110	64%
2	19:17:29	0.329	-0.780	0.014	-0.044	0.132	0.057	23.190	23.000	72%
3	19:18:37	-0.061	0.026	0.014	0.015	0.108	0.029	21.890	24.010	79%
x		-0.099	0.104	0.020	0.018	0.144	0.055	23.100	23.710	72%
σ		0.448	0.925	0.010	0.063	0.043	0.024	1.173	0.614	8%
%RSD		452.900	889.900	51.170	352.900	29.700	44.530	5.077	2.590	11

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:21	64%	0.025	0.007	1.275	0.902	1.085	52%	0.000
2	19:17:29	72%	0.030	0.007	1.053	1.018	1.056	61%	-0.002
3	19:18:37	79%	0.013	0.012	1.109	1.027	1.018	72%	-0.002
x		72%	0.023	0.009	1.146	0.983	1.053	61%	-0.001
σ		8%	0.009	0.003	0.115	0.070	0.034	10%	0.001
%RSD		11	37.210	30.400	10.040	7.115	3.209	16	97.550

C2310-04 MF4R94S 06/04/2011 07:23:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:15	92%	46.780	890.400	0.000	226900.000	53240.000	52740.000	52500.000	1878.000
2	19:25:23	93%	48.260	910.500	0.000	224700.000	51850.000	52010.000	52170.000	1812.000
3	19:26:31	92%	48.960	889.100	0.000	232100.000	54070.000	53240.000	53150.000	1876.000
x		92%	48.000	896.700	0.000	227900.000	53050.000	52660.000	52610.000	1855.000
σ		1%	1.113	12.010	0.000	3782.000	1120.000	620.300	501.600	37.570
%RSD		1	2.319	1.340	0.000	1.659	2.112	1.178	0.953	2.025

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:15	19670.000	56.440	0.000	0.000	6740.000	184500.000	219400.000	95%	1.793
2	19:25:23	19310.000	48.590	0.000	0.000	6576.000	179900.000	212900.000	99%	1.367
3	19:26:31	19650.000	54.690	0.000	0.000	6831.000	208300.000	222000.000	96%	1.517
x		19540.000	53.240	0.000	0.000	6716.000	190900.000	218100.000	97%	1.559
σ		199.700	4.120	0.000	0.000	129.100	15240.000	4703.000	2%	0.216
%RSD		1.022	7.739	0.000	0.000	1.922	7.986	2.157	2	13.880

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:15	422.600	173.600	223.100	948.400	454.600	888.900	1167.000	432.400	425.000
2	19:25:23	415.000	170.700	235.900	936.100	439.400	847.200	1091.000	427.000	419.200
3	19:26:31	421.000	174.900	260.200	945.500	458.100	873.500	1131.000	434.100	428.800
x		419.500	173.100	239.700	943.400	450.700	869.900	1130.000	431.200	424.400
σ		4.024	2.193	18.870	6.418	9.960	21.090	37.800	3.700	4.835
%RSD		0.959	1.267	7.870	0.680	2.210	2.425	3.346	0.858	1.139

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:15	220.800	223.300	464.600	61.700	15.370	0.998	9.340	11.840	0.499
2	19:25:23	219.500	223.500	458.200	59.230	6.896	1.207	8.511	11.400	-0.224
3	19:26:31	221.800	228.400	461.300	64.790	10.180	1.076	8.600	11.720	-1.445
x		220.700	225.000	461.400	61.910	10.810	1.094	8.817	11.650	-0.390
σ		1.133	2.906	3.219	2.783	4.272	0.106	0.455	0.229	0.983
%RSD		0.514	1.291	0.698	4.496	39.510	9.661	5.165	1.965	251.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:15	0.036	0.018	0.029	0.044	0.006	0.004	78%	56.130	47.510
2	19:25:23	0.180	0.034	-0.020	0.017	-0.004	-0.001	79%	47.990	47.600
3	19:26:31	0.110	0.027	-0.003	0.018	0.007	-0.001	78%	51.060	48.270
x		0.109	0.026	0.002	0.027	0.003	0.000	78%	51.730	47.790
σ		0.072	0.008	0.025	0.015	0.006	0.003	0%	4.109	0.413
%RSD		65.960	31.100	1221.000	58.100	214.700	832.900	0	7.943	0.864

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:15	-2.025	55.930	47.080	51.290	0.135	103.200	1980.000	1992.000	88%
2	19:25:23	5.190	47.810	48.930	52.080	0.157	103.500	2017.000	1964.000	88%
3	19:26:31	-1.053	50.830	49.590	52.760	0.168	103.700	1989.000	2002.000	90%
x		0.704	51.520	48.540	52.040	0.153	103.500	1995.000	1986.000	89%
σ		3.915	4.102	1.304	0.733	0.017	0.232	19.430	19.700	1%
%RSD		556.300	7.961	2.687	1.408	10.940	0.224	0.974	0.992	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:15	88%	47.660	49.380	22.490	20.340	21.360	82%	0.000
2	19:25:23	90%	48.860	49.500	22.280	21.400	21.400	82%	-0.003
3	19:26:31	91%	48.280	49.500	21.450	20.220	21.020	84%	-0.001
x		89%	48.270	49.460	22.070	20.660	21.260	82%	-0.001
σ		2%	0.603	0.068	0.552	0.649	0.210	1%	0.002
%RSD		2	1.249	0.137	2.499	3.143	0.987	1	127.700

C2310-02LX5 MF4R94L 06/04/2011 07:31:02 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	19:32:10	99%	-0.033	191.800	0.000	48150.000	10860.000	10960.000	10240.000	1.894
2	19:33:18	96%	0.006	196.100	0.000	47620.000	10990.000	10980.000	10340.000	1.773
3	19:34:26	99%	-0.011	196.600	0.000	47270.000	10990.000	10930.000	10260.000	2.139
x		98%	-0.013	194.800	0.000	47680.000	10950.000	10960.000	10280.000	1.936
σ		2%	0.020	2.649	0.000	443.800	77.660	23.050	51.550	0.187
%RSD		2	152.700	1.359	0.000	0.931	0.710	0.210	0.502	9.637
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:10	3936.000	-0.793	0.000	0.000	1398.000	40200.000	44250.000	91%	0.271
2	19:33:18	3934.000	4.732	0.000	0.000	1395.000	39950.000	43330.000	92%	0.431
3	19:34:26	3878.000	1.634	0.000	0.000	1368.000	40250.000	43610.000	92%	0.598
x		3916.000	1.857	0.000	0.000	1387.000	40130.000	43730.000	92%	0.433
σ		33.290	2.770	0.000	0.000	16.670	161.600	473.000	1%	0.163
%RSD		0.850	149.100	0.000	0.000	1.202	0.403	1.082	1	37.710
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:10	-3.664	0.571	87.310	2.494	0.855	-2.275	62.570	0.200	0.790
2	19:33:18	-2.775	0.548	83.800	0.483	0.827	-1.984	64.530	0.227	0.734
3	19:34:26	-0.760	0.481	81.000	0.194	0.885	-1.659	65.040	0.286	0.643
x		-2.400	0.534	84.040	1.057	0.856	-1.973	64.050	0.237	0.722
σ		1.488	0.047	3.159	1.253	0.029	0.308	1.304	0.044	0.074
%RSD		62.010	8.799	3.759	118.600	3.359	15.620	2.036	18.450	10.290
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:10	2.138	2.237	8.428	4.324	-2.988	0.436	-0.489	-0.020	1.313
2	19:33:18	2.131	2.215	7.814	4.963	-1.860	0.349	-0.479	-0.133	0.964
3	19:34:26	2.229	2.336	8.454	4.811	0.771	0.316	-0.577	0.201	0.050
x		2.166	2.262	8.232	4.699	-1.359	0.367	-0.515	0.016	0.776
σ		0.055	0.065	0.362	0.334	1.929	0.062	0.054	0.170	0.653
%RSD		2.519	2.855	4.394	7.103	142.000	16.870	10.520	1046.000	84.130
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:10	0.053	-0.020	-0.016	0.024	-0.023	0.003	90%	-1.834	0.014
2	19:33:18	0.027	0.010	-0.016	-0.024	0.009	-0.001	90%	0.573	0.007
3	19:34:26	-0.038	-0.020	-0.016	0.023	-0.019	-0.001	91%	-1.658	0.031
x		0.014	-0.010	-0.016	0.008	-0.011	0.000	90%	-0.973	0.017
σ		0.047	0.018	0.000	0.027	0.018	0.003	0%	1.342	0.012
%RSD		331.800	176.600	1.290	356.400	165.300	1676.000	1	137.900	69.610
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:10	0.849	-1.855	-0.000	-0.045	0.042	0.059	4.928	5.299	98%
2	19:33:18	-0.317	0.556	0.007	0.052	-0.016	0.034	4.151	4.553	95%
3	19:34:26	0.761	-1.675	0.020	-0.076	0.008	0.009	5.076	4.827	97%
x		0.431	-0.991	0.009	-0.023	0.012	0.034	4.718	4.893	97%
σ		0.649	1.343	0.010	0.067	0.029	0.025	0.497	0.377	1%
%RSD		150.700	135.500	114.100	290.300	252.400	73.960	10.530	7.708	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	19:32:10	95%	0.261	0.234	0.205	0.233	0.229	92%	-0.004	
2	19:33:18	96%	0.189	0.167	0.304	0.200	0.224	94%	-0.002	
3	19:34:26	95%	0.153	0.145	0.263	0.246	0.247	93%	-0.003	
x		96%	0.201	0.182	0.257	0.226	0.233	93%	-0.003	
σ		1%	0.055	0.047	0.050	0.024	0.012	1%	0.001	
%RSD		1	27.260	25.640	19.290	10.450	5.112	1	29.280	

CCV 06/04/2011 07:38:55 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	19:40:03	93%	498.500	525.600	0.000	51990.000	52220.000	51830.000	52530.000	10340.000
2	19:41:11	94%	502.300	517.600	0.000	52250.000	53280.000	52260.000	53020.000	10420.000
3	19:42:19	94%	492.600	516.100	0.000	52030.000	52660.000	52440.000	52190.000	10480.000
x		94%	497.800	519.800	0.000	52090.000	52720.000	52170.000	52580.000	10410.000
σ		1%	4.871	5.056	0.000	139.400	528.700	314.200	417.300	70.960
%RSD		1	0.979	0.973	0.000	0.268	1.003	0.602	0.794	0.681

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:03	504.700	9745.000	0.000	0.000	25580.000	53260.000	50470.000	91%	495.800
2	19:41:11	514.100	9669.000	0.000	0.000	26340.000	54350.000	51610.000	90%	497.800
3	19:42:19	494.800	9416.000	0.000	0.000	25550.000	52970.000	50530.000	91%	497.400
x		504.500	9610.000	0.000	0.000	25820.000	53530.000	50870.000	91%	497.000
σ		9.654	172.200	0.000	0.000	444.700	725.500	644.300	0%	1.032
%RSD		1.914	1.792	0.000	0.000	1.722	1.355	1.267	0	0.208

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:03	486.000	495.200	55.840	25500.000	1019.000	26040.000	26020.000	480.600	485.200
2	19:41:11	500.400	502.500	51.750	25850.000	1024.000	26390.000	26240.000	493.400	482.400
3	19:42:19	482.300	487.200	45.820	25130.000	996.000	25950.000	25590.000	485.100	482.300
x		489.500	495.000	51.140	25490.000	1013.000	26130.000	25950.000	486.400	483.300
σ		9.585	7.617	5.036	359.000	15.090	229.400	331.100	6.509	1.625
%RSD		1.958	1.539	9.848	1.408	1.490	0.878	1.276	1.338	0.336

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:03	972.700	980.500	1002.000	494.300	527.200	-0.354	507.000	513.200	0.465
2	19:41:11	971.400	986.800	1011.000	491.700	509.800	0.031	502.900	498.300	-1.695
3	19:42:19	957.300	982.600	981.500	498.100	507.000	-0.401	510.000	505.200	0.405
x		967.100	983.300	998.100	494.700	514.700	-0.241	506.600	505.600	-0.275
σ		8.563	3.204	15.100	3.250	10.920	0.237	3.571	7.478	1.230
%RSD		0.885	0.326	1.513	0.657	2.121	98.290	0.705	1.479	447.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:03	503.800	502.300	498.500	497.000	502.700	0.013	88%	489.300	509.100
2	19:41:11	493.900	513.000	506.500	504.500	495.500	-0.001	90%	523.900	499.800
3	19:42:19	494.800	502.900	507.400	507.800	499.300	-0.001	90%	514.200	502.400
x		497.500	506.100	504.100	503.100	499.200	0.003	90%	509.100	503.800
σ		5.465	6.027	4.914	5.529	3.606	0.008	1%	17.860	4.769
%RSD		1.099	1.191	0.975	1.099	0.722	245.600	1	3.507	0.947

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:03	24.990	488.400	511.000	512.600	499.100	505.100	2507.000	2481.000	96%
2	19:41:11	-2.206	523.100	492.800	511.700	498.900	508.200	2442.000	2484.000	97%
3	19:42:19	12.690	513.500	505.800	512.900	498.600	502.200	2492.000	2448.000	96%
x		11.820	508.300	503.200	512.400	498.900	505.200	2480.000	2471.000	96%
σ		13.620	17.920	9.360	0.594	0.278	2.984	34.020	20.140	1%
%RSD		115.200	3.525	1.860	0.116	0.056	0.591	1.372	0.815	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:03	96%	490.600	486.500	491.900	491.000	493.300	94%	479.900
2	19:41:11	98%	495.000	501.000	502.800	499.200	499.600	93%	491.900
3	19:42:19	97%	495.400	494.100	496.800	499.000	499.000	94%	489.500
x		97%	493.700	493.900	497.200	496.400	497.300	94%	487.100
σ		1%	2.689	7.279	5.460	4.664	3.453	0%	6.358
%RSD		1	0.545	1.474	1.098	0.940	0.694	0	1.305

CCB 06/04/2011 07:46:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:55	95%	0.036	10.720	0.000	7.845	3.445	3.467	3.456	0.816
2	19:49:03	94%	0.037	11.240	0.000	6.410	1.628	2.478	2.110	0.422
3	19:50:11	95%	0.022	11.180	0.000	8.559	3.002	3.855	2.666	0.557
x		95%	0.032	11.050	0.000	7.605	2.692	3.267	2.744	0.598
σ		0%	0.009	0.281	0.000	1.094	0.948	0.710	0.677	0.200
%RSD		0	27.830	2.539	0.000	14.390	35.210	21.720	24.660	33.450
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:55	-1.558	6.795	0.000	0.000	3.854	0.235	12.960	93%	0.029
2	19:49:03	-1.541	2.167	0.000	0.000	4.056	1.808	3.984	94%	-0.070
3	19:50:11	-1.062	-0.628	0.000	0.000	5.689	8.220	10.170	94%	-0.004
x		-1.387	2.778	0.000	0.000	4.533	3.421	9.038	94%	-0.015
σ		0.282	3.749	0.000	0.000	1.006	4.230	4.594	0%	0.050
%RSD		20.300	134.900	0.000	0.000	22.200	123.600	50.820	0	339.900
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:55	-0.613	0.097	29.170	3.040	0.055	-3.629	1.268	0.027	0.043
2	19:49:03	-0.848	0.135	28.830	1.862	0.085	-4.680	0.587	0.031	0.052
3	19:50:11	0.039	0.074	27.160	2.886	0.109	-3.760	0.766	0.034	0.008
x		-0.474	0.102	28.380	2.596	0.083	-4.023	0.873	0.031	0.034
σ		0.459	0.031	1.076	0.640	0.027	0.573	0.353	0.004	0.023
%RSD		96.960	30.340	3.790	24.660	32.610	14.240	40.420	12.040	68.230
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:55	0.087	0.097	0.062	-0.002	-1.654	0.161	-0.899	-0.188	-0.348
2	19:49:03	0.054	0.061	0.180	0.037	1.190	0.136	-0.800	-0.243	-0.322
3	19:50:11	0.097	0.068	0.263	-0.105	-1.817	0.149	-0.651	-0.134	1.091
x		0.079	0.075	0.168	-0.023	-0.760	0.149	-0.783	-0.189	0.141
σ		0.022	0.020	0.101	0.073	1.691	0.013	0.125	0.054	0.823
%RSD		28.260	25.920	60.030	318.300	222.400	8.522	15.960	28.830	586.000
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:55	0.613	0.709	0.657	0.509	0.689	-0.001	94%	-0.698	0.048
2	19:49:03	0.442	0.500	0.462	0.526	0.361	-0.001	93%	-0.727	0.049
3	19:50:11	0.312	0.325	0.292	0.362	0.379	0.003	94%	-1.628	0.092
x		0.456	0.512	0.470	0.466	0.477	0.000	93%	-1.018	0.063
σ		0.151	0.192	0.182	0.090	0.184	0.003	1%	0.529	0.025
%RSD		33.110	37.570	38.790	19.440	38.650	2596.000	1	51.980	40.120
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:55	0.378	-0.722	0.049	-0.012	0.440	0.624	0.108	0.190	102%
2	19:49:03	0.392	-0.748	0.049	0.049	0.378	0.418	0.165	0.141	100%
3	19:50:11	0.748	-1.646	0.069	-0.025	0.282	0.321	0.236	0.182	100%
x		0.506	-1.039	0.055	0.004	0.367	0.454	0.170	0.171	101%
σ		0.210	0.526	0.011	0.039	0.080	0.154	0.064	0.026	1%
%RSD		41.480	50.670	20.340	1007.000	21.800	33.980	37.630	15.330	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	19:47:55	99%	0.067	0.098	0.061	0.054	0.050	101%	0.047	
2	19:49:03	100%	0.075	0.068	0.038	0.035	0.038	101%	0.035	
3	19:50:11	100%	0.088	0.081	0.047	0.024	0.040	102%	0.041	
x		100%	0.077	0.082	0.049	0.038	0.043	101%	0.041	
σ		1%	0.011	0.015	0.011	0.015	0.007	1%	0.006	
%RSD		1	13.690	18.280	23.380	39.120	15.720	1	14.690	

C2310-01X25 MF4R93 06/04/2011 07:54:39 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:47	92%	0.126	45.160	0.000	9988.000	2376.000	2201.000	2252.000	2.920
2	19:56:55	92%	0.096	38.930	0.000	10160.000	2366.000	2223.000	2221.000	3.003
3	19:58:03	85%	0.102	48.900	0.000	10230.000	2414.000	2259.000	2252.000	3.166
x		90%	0.108	44.330	0.000	10130.000	2385.000	2228.000	2242.000	3.030
σ		4%	0.016	5.040	0.000	123.400	25.120	29.280	17.810	0.125
%RSD		5	14.960	11.370	0.000	1.219	1.053	1.314	0.795	4.133

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:47	819.500	3.849	0.000	0.000	303.200	8632.000	9214.000	92%	0.065
2	19:56:55	839.800	2.483	0.000	0.000	300.700	8747.000	9560.000	87%	0.109
3	19:58:03	831.500	1.206	0.000	0.000	289.400	8499.000	9266.000	79%	0.250
x		830.300	2.513	0.000	0.000	297.800	8626.000	9347.000	86%	0.141
σ		10.220	1.322	0.000	0.000	7.348	124.100	186.300	7%	0.096
%RSD		1.231	52.610	0.000	0.000	2.467	1.438	1.993	8	68.240

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:47	-0.171	0.238	29.220	0.689	0.457	0.361	19.500	0.169	0.360
2	19:56:55	0.157	0.265	30.570	5.818	0.439	1.398	22.050	0.171	0.349
3	19:58:03	-1.433	0.297	32.640	4.760	0.448	2.668	21.660	0.191	0.250
x		-0.482	0.267	30.810	3.756	0.448	1.476	21.070	0.177	0.320
σ		0.839	0.029	1.723	2.708	0.009	1.155	1.374	0.012	0.061
%RSD		174.000	10.980	5.591	72.110	2.064	78.280	6.519	6.640	18.930

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:47	0.251	0.306	0.987	0.613	3.033	0.135	-0.243	1.330	1.000
2	19:56:55	0.316	0.290	1.062	0.414	-1.474	0.154	-0.589	0.687	0.594
3	19:58:03	0.306	0.313	1.246	0.878	0.855	0.117	0.419	1.044	-0.676
x		0.291	0.303	1.098	0.635	0.805	0.135	-0.138	1.020	0.306
σ		0.035	0.011	0.133	0.233	2.254	0.019	0.513	0.322	0.874
%RSD		11.980	3.791	12.120	36.700	280.100	13.690	372.000	31.550	285.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:47	0.197	0.241	0.292	0.248	0.276	-0.001	90%	-2.905	0.075
2	19:56:55	0.273	0.180	0.259	0.172	0.248	-0.001	87%	-2.731	0.078
3	19:58:03	0.271	0.300	0.258	0.169	0.301	-0.001	72%	-0.021	0.079
x		0.247	0.240	0.270	0.197	0.275	-0.001	83%	-1.886	0.077
σ		0.043	0.060	0.019	0.045	0.027	0.000	10%	1.617	0.002
%RSD		17.540	25.130	7.119	22.740	9.667	0.000	12	85.750	2.455

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:47	1.363	-2.918	0.111	0.002	0.196	0.255	1.717	1.724	94%
2	19:56:55	1.362	-2.744	0.086	-0.036	0.157	0.257	1.417	1.346	92%
3	19:58:03	0.078	-0.054	0.093	0.104	0.246	0.164	1.575	1.737	80%
x		0.934	-1.905	0.096	0.023	0.200	0.225	1.570	1.602	89%
σ		0.742	1.606	0.013	0.072	0.044	0.053	0.150	0.222	7%
%RSD		79.380	84.270	13.650	311.000	22.240	23.630	9.556	13.870	8

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:47	96%	0.216	0.186	0.143	0.146	0.157	94%	0.095
2	19:56:55	91%	0.126	0.181	0.131	0.145	0.140	89%	0.103
3	19:58:03	78%	0.152	0.176	0.123	0.133	0.145	76%	0.096
x		88%	0.165	0.181	0.132	0.141	0.147	86%	0.098
σ		9%	0.046	0.005	0.010	0.007	0.009	9%	0.004
%RSD		10	28.140	2.937	7.876	5.125	6.201	11	4.350

C2310-02X25 MF4R94 06/04/2011 08:02:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:41	87%	0.022	43.600	0.000	9582.000	2220.000	2051.000	2066.000	2.136
2	20:04:49	93%	0.064	39.390	0.000	9330.000	2213.000	2030.000	2049.000	2.102
3	20:05:57	92%	0.064	41.700	0.000	9665.000	2251.000	2103.000	2139.000	2.401
x		91%	0.050	41.560	0.000	9525.000	2228.000	2062.000	2085.000	2.213
σ		3%	0.024	2.104	0.000	174.500	19.890	37.310	47.780	0.164
%RSD		3	48.840	5.063	0.000	1.832	0.893	1.810	2.292	7.404

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:41	793.100	1.506	0.000	0.000	277.200	7588.000	8722.000	82%	0.353
2	20:04:49	774.700	-1.842	0.000	0.000	280.400	8052.000	8665.000	85%	0.043
3	20:05:57	785.600	-0.221	0.000	0.000	293.400	7984.000	8890.000	87%	0.004
x		784.500	-0.186	0.000	0.000	283.700	7875.000	8759.000	84%	0.133
σ		9.276	1.674	0.000	0.000	8.579	250.700	117.000	2%	0.191
%RSD		1.182	901.900	0.000	0.000	3.024	3.184	1.336	3	143.200

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:41	-0.327	0.160	29.220	3.188	0.379	1.752	18.810	0.086	0.255
2	20:04:49	-1.526	0.147	30.770	3.922	0.340	2.528	21.850	0.079	0.219
3	20:05:57	-1.109	0.213	30.370	4.656	0.348	2.657	18.590	0.081	0.316
x		-0.988	0.173	30.120	3.922	0.356	2.312	19.750	0.082	0.263
σ		0.609	0.035	0.803	0.734	0.021	0.490	1.823	0.004	0.049
%RSD		61.650	20.090	2.666	18.720	5.782	21.180	9.230	4.659	18.640

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:41	0.616	0.660	1.921	0.723	0.686	0.153	0.635	-0.528	0.744
2	20:04:49	0.605	0.567	1.980	1.172	-2.276	0.138	0.053	0.062	1.649
3	20:05:57	0.594	0.624	1.772	0.905	-0.225	0.138	0.505	-0.248	0.697
x		0.605	0.617	1.891	0.933	-0.605	0.143	0.398	-0.238	1.030
σ		0.011	0.047	0.107	0.226	1.517	0.009	0.305	0.295	0.537
%RSD		1.820	7.601	5.680	24.210	250.700	6.233	76.760	123.900	52.120

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:41	0.190	0.130	0.117	0.111	0.070	-0.001	72%	-0.888	0.028
2	20:04:49	0.066	0.087	0.061	0.124	0.106	-0.001	79%	0.708	0.037
3	20:05:57	0.142	0.095	0.070	0.052	0.067	-0.001	85%	1.411	0.001
x		0.133	0.104	0.082	0.096	0.081	-0.001	79%	0.410	0.022
σ		0.063	0.022	0.030	0.038	0.022	0.000	7%	1.178	0.019
%RSD		47.060	21.550	36.380	40.150	26.860	0.000	9	287.200	86.100

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:41	0.393	-0.913	0.013	0.041	0.046	0.057	1.556	1.148	78%
2	20:04:49	-0.380	0.685	0.025	0.075	0.078	0.069	1.008	1.275	85%
3	20:05:57	-0.723	1.395	0.042	0.170	0.058	0.082	1.074	1.151	89%
x		-0.237	0.389	0.026	0.095	0.060	0.070	1.213	1.191	84%
σ		0.572	1.182	0.015	0.067	0.016	0.013	0.299	0.073	5%
%RSD		241.600	303.900	55.170	69.800	26.800	18.080	24.650	6.107	6

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:41	78%	0.137	0.080	0.125	0.129	0.108	73%	0.034
2	20:04:49	84%	0.074	0.078	0.132	0.096	0.106	80%	0.036
3	20:05:57	88%	0.075	0.055	0.102	0.081	0.101	84%	0.036
x		83%	0.095	0.071	0.120	0.102	0.105	79%	0.035
σ		5%	0.036	0.014	0.016	0.025	0.003	6%	0.001
%RSD		6	37.720	19.570	13.400	23.950	3.120	7	4.096

C2310-03X25 MF4R94D 06/04/2011 08:10:25 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	20:11:33	99%	-0.011	42.650	0.000	10110.000	2385.000	2203.000	2217.000	1.277
2	20:12:41	95%	-0.032	43.680	0.000	10250.000	2385.000	2217.000	2225.000	0.933
3	20:13:49	98%	-0.040	39.520	0.000	10200.000	2360.000	2178.000	2201.000	1.207
x		97%	-0.028	41.950	0.000	10190.000	2377.000	2199.000	2214.000	1.139
σ		2%	0.015	2.165	0.000	73.190	13.970	19.940	12.360	0.182
%RSD		2	54.360	5.162	0.000	0.718	0.588	0.907	0.558	15.940

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:33	835.500	2.561	0.000	0.000	313.500	8651.000	9350.000	90%	0.204
2	20:12:41	844.000	7.269	0.000	0.000	318.800	8799.000	9532.000	91%	-0.069
3	20:13:49	828.300	0.415	0.000	0.000	308.000	8563.000	9300.000	91%	0.133
x		836.000	3.415	0.000	0.000	313.400	8671.000	9394.000	91%	0.090
σ		7.869	3.506	0.000	0.000	5.412	119.400	122.100	1%	0.142
%RSD		0.941	102.700	0.000	0.000	1.727	1.377	1.300	1	157.900

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:33	-1.082	0.229	27.740	0.795	0.077	-1.839	17.530	0.046	0.164
2	20:12:41	-1.021	0.123	28.210	2.840	0.105	-0.575	17.800	0.024	0.119
3	20:13:49	-0.622	0.085	27.170	-0.075	0.073	-0.859	14.790	0.043	0.081
x		-0.908	0.146	27.700	1.187	0.085	-1.091	16.710	0.038	0.121
σ		0.250	0.074	0.521	1.497	0.017	0.663	1.669	0.012	0.042
%RSD		27.500	50.900	1.882	126.100	20.350	60.740	9.992	30.980	34.400

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:33	0.440	0.548	1.017	0.974	-0.589	0.123	-0.196	-0.075	-1.060
2	20:12:41	0.395	0.403	1.330	1.074	0.372	0.112	-0.336	-0.418	2.617
3	20:13:49	0.498	0.466	1.187	1.144	-0.196	0.129	-0.488	0.149	-1.697
x		0.444	0.472	1.178	1.064	-0.138	0.122	-0.340	-0.114	-0.047
σ		0.052	0.073	0.157	0.086	0.483	0.009	0.146	0.285	2.329
%RSD		11.620	15.410	13.340	8.037	350.700	7.369	42.920	249.400	4982.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:33	0.028	0.019	0.042	0.060	0.024	-0.001	89%	0.212	-0.005
2	20:12:41	0.029	0.012	0.021	0.013	0.039	-0.001	88%	-1.309	0.005
3	20:13:49	0.027	0.041	0.020	0.035	-0.004	0.003	90%	-2.073	-0.002
x		0.028	0.024	0.028	0.036	0.020	0.000	89%	-1.057	-0.001
σ		0.001	0.015	0.013	0.024	0.022	0.003	1%	1.163	0.005
%RSD		2.852	63.690	44.920	65.590	111.800	1698.000	1	110.000	780.900

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:33	-0.063	0.198	0.002	-0.010	-0.044	-0.006	0.717	0.976	93%
2	20:12:41	0.676	-1.328	-0.005	-0.076	-0.035	0.013	1.042	0.996	94%
3	20:13:49	1.041	-2.085	-0.008	-0.120	0.027	0.009	0.746	1.040	94%
x		0.551	-1.072	-0.004	-0.068	-0.017	0.006	0.835	1.004	94%
σ		0.562	1.163	0.005	0.055	0.038	0.010	0.180	0.033	1%
%RSD		102.000	108.500	149.200	80.750	221.900	178.700	21.600	3.305	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:33	91%	0.039	0.025	0.090	0.058	0.067	89%	0.002
2	20:12:41	93%	0.012	0.029	0.075	0.031	0.058	89%	0.001
3	20:13:49	95%	0.033	0.022	0.079	0.047	0.062	91%	0.001
x		93%	0.028	0.025	0.081	0.045	0.063	89%	0.001
σ		2%	0.014	0.004	0.007	0.013	0.005	1%	0.001
%RSD		2	51.690	13.940	9.166	29.610	7.223	1	42.550

C2310-04X25 MF4R94S 06/04/2011 08:18:18 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	20:19:26	97%	2.002	41.140	0.000	10090.000	2325.000	2160.000	2199.000	81.620
2	20:20:34	97%	1.861	41.970	0.000	10100.000	2335.000	2203.000	2241.000	82.310
3	20:21:42	93%	2.092	43.020	0.000	10730.000	2532.000	2393.000	2395.000	87.760
x		96%	1.985	42.040	0.000	10310.000	2397.000	2252.000	2278.000	83.900
σ		2%	0.116	0.944	0.000	363.000	116.700	123.600	103.100	3.366
%RSD		2	5.857	2.244	0.000	3.522	4.867	5.489	4.526	4.012

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:26	830.700	-2.237	0.000	0.000	303.100	8448.000	9196.000	93%	0.064
2	20:20:34	830.400	0.876	0.000	0.000	312.300	8711.000	9220.000	93%	0.064
3	20:21:42	903.100	3.804	0.000	0.000	333.300	9100.000	9894.000	89%	-0.034
x		854.700	0.814	0.000	0.000	316.200	8753.000	9437.000	92%	0.031
σ		41.890	3.021	0.000	0.000	15.470	328.300	396.400	2%	0.056
%RSD		4.901	371.200	0.000	0.000	4.894	3.751	4.201	2	179.700

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:26	18.610	7.875	26.370	44.470	20.510	38.970	56.780	19.660	19.130
2	20:20:34	18.530	8.089	26.620	42.820	20.490	39.830	56.640	19.080	19.720
3	20:21:42	19.800	8.774	27.670	50.430	21.980	42.180	60.260	20.680	20.840
x		18.980	8.246	26.890	45.910	20.990	40.330	57.890	19.810	19.890
σ		0.710	0.470	0.690	4.004	0.856	1.659	2.048	0.807	0.867
%RSD		3.739	5.696	2.565	8.722	4.078	4.115	3.537	4.075	4.356

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:26	10.720	10.750	22.580	2.341	-2.063	0.129	0.918	0.310	2.102
2	20:20:34	10.820	10.360	21.920	2.548	-0.605	0.143	0.399	-0.245	2.997
3	20:21:42	10.990	11.570	24.290	2.786	0.015	0.115	0.789	0.726	0.177
x		10.850	10.890	22.930	2.558	-0.884	0.129	0.702	0.264	1.759
σ		0.136	0.620	1.224	0.223	1.067	0.014	0.270	0.487	1.441
%RSD		1.254	5.695	5.338	8.706	120.600	11.010	38.500	184.500	81.930

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:26	0.052	-0.005	0.005	0.011	-0.023	-0.001	91%	1.210	1.978
2	20:20:34	0.039	-0.005	0.005	0.011	0.004	-0.001	91%	-0.712	1.883
3	20:21:42	0.028	-0.027	-0.008	0.060	-0.008	-0.001	89%	0.482	1.970
x		0.040	-0.013	0.001	0.027	-0.009	-0.001	90%	0.326	1.944
σ		0.012	0.013	0.007	0.028	0.014	0.000	1%	0.970	0.053
%RSD		29.590	100.900	1203.000	103.100	152.600	0.000	1	297.200	2.728

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:26	0.727	1.192	1.982	2.056	-0.013	3.918	79.030	80.890	96%
2	20:20:34	0.940	-0.729	1.923	2.072	-0.021	4.007	79.730	81.320	97%
3	20:21:42	0.623	0.470	2.100	1.989	0.025	4.588	86.770	85.770	92%
x		0.763	0.311	2.002	2.039	-0.003	4.171	81.840	82.660	95%
σ		0.162	0.970	0.090	0.044	0.024	0.363	4.283	2.702	2%
%RSD		21.210	312.100	4.495	2.144	823.200	8.714	5.234	3.268	3

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:26	97%	1.843	1.922	0.924	0.829	0.831	94%	0.002
2	20:20:34	95%	1.994	1.955	0.779	0.832	0.833	93%	-0.002
3	20:21:42	92%	2.220	2.060	0.920	0.849	0.889	90%	0.001
x		95%	2.019	1.979	0.874	0.837	0.851	92%	0.000
σ		2%	0.190	0.072	0.082	0.011	0.033	2%	0.002
%RSD		3	9.391	3.653	9.439	1.270	3.901	2	528.800

C2310-02LX125 MF4R94L 06/04/2011 08:26:12 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:20	97%	-0.025	10.730	0.000	1773.000	413.200	407.100	410.400	1.949
2	20:28:28	96%	-0.025	11.920	0.000	1761.000	404.600	411.700	411.300	1.878
3	20:29:36	97%	-0.025	10.990	0.000	1787.000	426.200	430.800	420.100	1.768
x		97%	-0.025	11.210	0.000	1774.000	414.700	416.500	413.900	1.865
σ		0%	0.000	0.629	0.000	12.760	10.890	12.540	5.355	0.091
%RSD		1	0.730	5.612	0.000	0.720	2.627	3.011	1.294	4.886
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:20	153.300	-1.874	0.000	0.000	67.230	1550.000	1750.000	92%	-0.002
2	20:28:28	151.700	3.098	0.000	0.000	65.500	1557.000	1750.000	94%	-0.070
3	20:29:36	151.100	0.673	0.000	0.000	66.100	1653.000	1749.000	92%	-0.003
x		152.100	0.632	0.000	0.000	66.280	1586.000	1750.000	93%	-0.025
σ		1.150	2.486	0.000	0.000	0.877	57.410	0.831	1%	0.039
%RSD		0.756	393.300	0.000	0.000	1.324	3.619	0.048	1	156.700
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:20	0.204	0.054	17.700	1.062	0.121	0.083	4.210	0.025	0.151
2	20:28:28	-0.814	0.134	18.470	-0.453	0.105	-1.094	1.586	0.027	0.140
3	20:29:36	0.050	0.082	16.950	3.527	0.085	-0.481	2.101	0.012	0.187
x		-0.187	0.090	17.710	1.379	0.104	-0.497	2.633	0.021	0.159
σ		0.549	0.041	0.758	2.008	0.018	0.589	1.390	0.008	0.024
%RSD		294.300	44.930	4.280	145.700	17.410	118.500	52.810	37.760	15.330
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:20	0.188	0.211	0.748	0.284	-2.247	0.094	0.290	-0.244	2.595
2	20:28:28	0.142	0.105	0.792	0.166	-1.949	0.092	0.321	-0.462	0.264
3	20:29:36	0.170	0.205	0.753	0.409	-1.085	0.072	-0.126	0.088	-0.270
x		0.167	0.174	0.764	0.286	-1.760	0.086	0.162	-0.206	0.863
σ		0.023	0.059	0.024	0.122	0.604	0.013	0.250	0.277	1.524
%RSD		13.910	34.120	3.173	42.610	34.280	14.560	154.400	134.700	176.600
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:20	0.063	-0.014	-0.010	-0.013	-0.006	-0.001	93%	-1.959	-0.003
2	20:28:28	0.038	0.024	0.004	0.079	-0.019	-0.001	93%	-0.839	-0.003
3	20:29:36	-0.025	0.002	-0.002	-0.012	-0.019	-0.001	92%	-1.483	-0.000
x		0.025	0.004	-0.003	0.018	-0.014	-0.001	93%	-1.427	-0.002
σ		0.045	0.019	0.007	0.053	0.008	0.000	1%	0.562	0.001
%RSD		180.700	459.900	254.900	292.600	52.560	0.000	1	39.410	72.450
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:20	0.984	-1.973	-0.008	-0.124	-0.027	-0.020	0.166	0.184	99%
2	20:28:28	0.443	-0.854	0.007	-0.060	-0.022	0.029	0.223	0.367	98%
3	20:29:36	0.679	-1.504	0.002	-0.078	0.023	0.002	0.277	0.354	99%
x		0.702	-1.444	0.000	-0.087	-0.009	0.004	0.222	0.302	99%
σ		0.271	0.562	0.008	0.033	0.028	0.024	0.055	0.102	1%
%RSD		38.620	38.920	4532.000	38.010	311.800	660.100	24.930	33.790	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	20:27:20	97%	0.041	0.028	0.026	0.031	0.025	94%	0.002	
2	20:28:28	97%	0.027	0.036	0.045	0.040	0.037	97%	0.001	
3	20:29:36	98%	0.033	0.014	0.025	0.008	0.016	96%	0.003	
x		97%	0.033	0.026	0.032	0.027	0.026	96%	0.002	
σ		1%	0.007	0.011	0.012	0.017	0.011	2%	0.001	
%RSD		1	20.910	41.490	36.380	62.490	41.620	2	41.010	

C2339-01 MF4Q23 06/04/2011 08:34:06 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	20:35:15	86%	-0.028	691.700	0.000	209800.000	30800.000	31070.000	30520.000	1.102
2	20:36:23	83%	-0.027	707.700	0.000	214800.000	31450.000	31400.000	30710.000	1.097
3	20:37:30	84%	-0.027	707.000	0.000	214200.000	31290.000	30960.000	29230.000	1.130
x		84%	-0.027	702.100	0.000	212900.000	31180.000	31150.000	30150.000	1.110
σ		1%	0.001	9.072	0.000	2740.000	338.600	227.800	801.600	0.017
%RSD		1	1.866	1.292	0.000	1.287	1.086	0.732	2.659	1.573

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:15	20230.000	61.100	0.000	0.000	5975.000	187300.000	221400.000	93%	1.866
2	20:36:23	20370.000	45.550	0.000	0.000	5967.000	179800.000	219700.000	92%	1.487
3	20:37:30	20560.000	73.820	0.000	0.000	5987.000	185600.000	221600.000	91%	1.633
x		20390.000	60.160	0.000	0.000	5976.000	184200.000	220900.000	92%	1.662
σ		165.900	14.160	0.000	0.000	9.690	3944.000	1019.000	1%	0.191
%RSD		0.814	23.540	0.000	0.000	0.162	2.141	0.461	1	11.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:15	11.840	306.700	114.200	121.800	0.193	-1.230	242.700	0.264	3.888
2	20:36:23	11.430	304.900	124.100	113.900	0.207	-2.234	233.300	0.195	3.637
3	20:37:30	15.620	313.900	127.400	120.200	0.207	-0.549	241.000	0.205	4.144
x		12.960	308.500	121.900	118.600	0.202	-1.338	239.000	0.221	3.890
σ		2.308	4.770	6.862	4.180	0.008	0.848	5.016	0.037	0.253
%RSD		17.800	1.546	5.630	3.523	3.891	63.390	2.099	16.780	6.510

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:15	2.313	2.282	4.339	5.036	15.820	0.435	10.130	17.450	0.616
2	20:36:23	2.210	2.126	3.745	5.100	10.900	0.566	10.370	17.850	1.687
3	20:37:30	2.160	2.147	4.359	4.938	17.230	0.660	9.386	17.200	1.726
x		2.228	2.185	4.148	5.025	14.650	0.554	9.961	17.500	1.343
σ		0.078	0.084	0.349	0.082	3.324	0.113	0.511	0.328	0.630
%RSD		3.510	3.855	8.416	1.624	22.690	20.370	5.133	1.873	46.890

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:15	0.395	0.450	0.211	0.413	0.298	-0.001	77%	0.143	0.011
2	20:36:23	0.325	0.252	0.314	0.487	0.292	-0.001	76%	-2.199	0.040
3	20:37:30	0.373	0.316	0.224	0.615	0.277	0.010	75%	-1.301	0.020
x		0.365	0.339	0.250	0.505	0.289	0.002	76%	-1.119	0.023
σ		0.036	0.101	0.056	0.102	0.011	0.006	1%	1.182	0.015
%RSD		9.811	29.870	22.380	20.200	3.757	279.500	1	105.600	62.930

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:15	-0.003	0.100	0.029	-0.019	0.042	0.095	54.490	51.940	89%
2	20:36:23	1.125	-2.231	0.020	-0.128	0.025	0.068	53.870	52.120	87%
3	20:37:30	0.887	-1.342	0.008	-0.100	0.064	0.057	53.640	51.250	89%
x		0.669	-1.158	0.019	-0.082	0.044	0.074	54.000	51.770	89%
σ		0.595	1.176	0.010	0.056	0.020	0.020	0.438	0.461	1%
%RSD		88.810	101.600	54.610	68.330	44.470	26.590	0.811	0.890	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:15	88%	0.035	0.039	0.187	0.202	0.198	82%	5.095
2	20:36:23	88%	0.033	0.039	0.182	0.187	0.182	81%	5.147
3	20:37:30	89%	0.030	0.034	0.192	0.157	0.185	82%	5.109
x		88%	0.033	0.037	0.187	0.182	0.188	82%	5.117
σ		0%	0.002	0.003	0.005	0.023	0.009	0%	0.027
%RSD		0	7.576	7.984	2.849	12.640	4.672	0	0.523

C2339-02 MF4Q19 06/04/2011 08:42:01 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	20:43:09	83%	-0.009	712.100	0.000	238600.000	84410.000	82700.000	82760.000	6.886
2	20:44:17	85%	-0.019	691.900	0.000	233400.000	81480.000	82270.000	81290.000	6.692
3	20:45:25	83%	-0.053	720.900	0.000	238700.000	83030.000	84300.000	83500.000	6.884
x		84%	-0.027	708.300	0.000	236900.000	82970.000	83090.000	82510.000	6.820
σ		1%	0.023	14.880	0.000	3046.000	1466.000	1066.000	1121.000	0.111
%RSD		1	85.650	2.101	0.000	1.286	1.767	1.283	1.359	1.629

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:09	23970.000	67.610	0.000	0.000	9023.000	206600.000	214500.000	80%	1.714
2	20:44:17	23690.000	54.800	0.000	0.000	8903.000	197000.000	213400.000	80%	1.554
3	20:45:25	23920.000	56.420	0.000	0.000	9131.000	201400.000	212800.000	78%	1.709
x		23860.000	59.610	0.000	0.000	9019.000	201700.000	213600.000	79%	1.659
σ		151.000	6.976	0.000	0.000	113.900	4819.000	856.600	1%	0.091
%RSD		0.633	11.700	0.000	0.000	1.263	2.389	0.401	1	5.495

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:09	38.080	1262.000	162.900	514.700	0.455	5.915	232.900	0.406	3.544
2	20:44:17	27.620	1230.000	181.000	504.200	0.455	6.509	231.000	0.353	3.536
3	20:45:25	43.220	1262.000	168.700	521.600	0.502	7.648	230.600	0.410	3.084
x		36.300	1251.000	170.800	513.500	0.471	6.691	231.500	0.389	3.388
σ		7.951	18.660	9.260	8.744	0.027	0.881	1.256	0.032	0.263
%RSD		21.900	1.492	5.420	1.703	5.802	13.170	0.542	8.147	7.771

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:09	81.110	83.430	84.500	14.060	22.110	0.515	8.454	15.790	-1.525
2	20:44:17	81.630	79.540	81.510	13.050	17.580	0.638	9.778	13.770	3.457
3	20:45:25	83.150	83.450	84.120	12.760	21.490	0.682	8.342	14.790	3.076
x		81.970	82.140	83.380	13.290	20.390	0.612	8.858	14.780	1.669
σ		1.061	2.248	1.629	0.683	2.458	0.087	0.799	1.008	2.773
%RSD		1.294	2.736	1.954	5.138	12.060	14.210	9.018	6.818	166.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:09	2.673	2.326	2.756	2.676	2.783	-0.001	76%	-1.310	0.011
2	20:44:17	2.717	2.846	2.599	3.003	2.676	-0.001	75%	-0.199	0.017
3	20:45:25	2.548	2.686	2.558	2.894	2.700	-0.001	76%	-0.194	0.025
x		2.646	2.619	2.638	2.858	2.720	-0.001	75%	-0.567	0.018
σ		0.088	0.267	0.105	0.167	0.056	0.000	1%	0.643	0.007
%RSD		3.310	10.180	3.968	5.834	2.068	0.000	1	113.300	39.450

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:09	0.793	-1.346	0.032	-0.088	0.651	0.112	44.870	45.640	87%
2	20:44:17	0.069	-0.243	0.027	-0.003	0.811	0.172	45.760	45.020	87%
3	20:45:25	0.066	-0.236	0.005	-0.003	0.632	0.183	45.400	46.010	88%
x		0.309	-0.608	0.021	-0.031	0.698	0.156	45.340	45.560	88%
σ		0.419	0.639	0.015	0.049	0.099	0.038	0.449	0.503	1%
%RSD		135.500	105.000	67.840	158.100	14.120	24.550	0.991	1.104	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:09	87%	0.018	0.022	7.338	6.757	7.086	81%	7.399
2	20:44:17	88%	0.008	0.022	7.510	6.918	7.153	82%	7.524
3	20:45:25	88%	0.018	0.023	7.405	6.929	7.155	81%	7.800
x		88%	0.015	0.023	7.417	6.868	7.131	82%	7.574
σ		1%	0.006	0.001	0.087	0.096	0.040	1%	0.206
%RSD		1	38.760	3.221	1.170	1.402	0.555	1	2.714

C2339-03 MF4Q26 06/04/2011 08:49:56 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	20:51:04	84%	-0.009	780.400	0.000	253100.000	54790.000	54700.000	54410.000	3.340
2	20:52:12	84%	-0.027	757.400	0.000	255700.000	55090.000	55060.000	56080.000	3.467
3	20:53:20	84%	-0.036	796.400	0.000	250600.000	54770.000	54130.000	53600.000	3.108
x		84%	-0.024	778.000	0.000	253100.000	54880.000	54630.000	54690.000	3.305
σ		0%	0.013	19.600	0.000	2559.000	181.000	467.000	1265.000	0.182
%RSD		0	55.660	2.519	0.000	1.011	0.330	0.855	2.313	5.496

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:04	23410.000	16.530	0.000	0.000	6772.000	174900.000	207200.000	79%	1.496
2	20:52:12	23040.000	1.087	0.000	0.000	6669.000	172100.000	205800.000	78%	1.764
3	20:53:20	22970.000	4.479	0.000	0.000	6611.000	168800.000	203100.000	79%	2.034
x		23140.000	7.364	0.000	0.000	6684.000	172000.000	205300.000	79%	1.765
σ		238.400	8.114	0.000	0.000	81.480	3021.000	2060.000	1%	0.269
%RSD		1.030	110.200	0.000	0.000	1.219	1.757	1.003	1	15.240

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:04	41.090	527.500	159.900	225.800	1.597	13.100	221.600	0.286	1.613
2	20:52:12	38.290	518.700	171.800	220.800	1.619	12.190	204.100	0.279	1.550
3	20:53:20	44.320	519.200	165.300	212.400	1.646	10.770	215.700	0.314	1.776
x		41.230	521.800	165.700	219.700	1.621	12.020	213.800	0.293	1.647
σ		3.018	4.911	5.924	6.804	0.025	1.174	8.917	0.019	0.117
%RSD		7.320	0.941	3.576	3.097	1.528	9.769	4.171	6.363	7.086

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:04	6.693	6.621	67.140	11.520	14.380	0.756	8.694	15.250	1.311
2	20:52:12	6.372	6.117	67.920	11.280	11.530	0.807	9.007	11.480	1.343
3	20:53:20	6.466	6.375	65.200	10.540	6.160	0.883	9.269	13.840	-0.460
x		6.510	6.371	66.750	11.110	10.690	0.815	8.990	13.520	0.732
σ		0.165	0.252	1.402	0.512	4.174	0.064	0.288	1.909	1.032
%RSD		2.536	3.954	2.100	4.606	39.050	7.834	3.202	14.120	141.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:04	1.337	1.658	1.533	1.561	1.565	-0.001	75%	-0.737	0.037
2	20:52:12	1.525	1.524	1.348	1.211	1.631	-0.001	76%	-1.756	-0.003
3	20:53:20	1.460	1.394	1.414	1.644	1.393	-0.001	75%	-2.175	0.005
x		1.441	1.525	1.432	1.472	1.530	-0.001	75%	-1.556	0.013
σ		0.095	0.132	0.094	0.230	0.123	0.000	0%	0.740	0.021
%RSD		6.606	8.671	6.561	15.600	8.058	0.000	0	47.550	161.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:04	0.616	-0.784	0.002	-0.068	0.020	-0.008	51.060	49.850	90%
2	20:52:12	0.821	-1.798	0.032	-0.092	0.044	0.039	49.670	48.840	90%
3	20:53:20	1.116	-2.212	-0.001	-0.114	0.069	0.032	52.120	49.070	89%
x		0.851	-1.598	0.011	-0.092	0.044	0.021	50.950	49.250	90%
σ		0.252	0.735	0.018	0.023	0.025	0.025	1.227	0.532	1%
%RSD		29.570	45.980	166.600	25.250	55.820	120.700	2.409	1.080	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:04	90%	0.010	0.015	0.258	0.188	0.213	83%	6.553
2	20:52:12	89%	0.003	0.006	0.256	0.206	0.205	85%	6.517
3	20:53:20	91%	0.017	0.017	0.209	0.151	0.189	85%	6.631
x		90%	0.010	0.013	0.241	0.182	0.202	84%	6.567
σ		1%	0.007	0.006	0.027	0.028	0.012	1%	0.058
%RSD		1	69.420	47.660	11.340	15.340	5.904	1	0.887

C2339-01X25 MF4Q23 06/04/2011 08:57:51 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	20:58:59	92%	-0.015	42.260	0.000	9543.000	1422.000	1300.000	1294.000	1.227
2	21:00:07	94%	-0.031	38.700	0.000	9234.000	1410.000	1313.000	1318.000	1.097
3	21:01:15	93%	-0.054	44.940	0.000	9334.000	1370.000	1280.000	1286.000	1.069
x		93%	-0.034	41.970	0.000	9370.000	1401.000	1297.000	1299.000	1.131
σ		1%	0.020	3.134	0.000	157.700	26.970	16.630	16.710	0.085
%RSD		1	59.210	7.467	0.000	1.683	1.925	1.282	1.286	7.472
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:59	861.500	-0.449	0.000	0.000	272.500	8767.000	9538.000	88%	0.002
2	21:00:07	873.100	0.688	0.000	0.000	281.200	8654.000	9583.000	87%	0.004
3	21:01:15	858.900	-1.897	0.000	0.000	271.300	8767.000	9509.000	90%	0.104
x		864.500	-0.553	0.000	0.000	275.000	8729.000	9544.000	88%	0.037
σ		7.578	1.296	0.000	0.000	5.413	65.210	37.460	1%	0.058
%RSD		0.877	234.300	0.000	0.000	1.968	0.747	0.393	1	159.300
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:59	0.031	14.600	45.590	7.946	0.061	-3.036	11.650	-0.001	0.366
2	21:00:07	1.001	14.890	43.270	8.682	0.078	-2.733	12.480	0.017	0.189
3	21:01:15	-0.496	14.420	41.750	7.742	0.104	-3.470	9.386	0.001	0.183
x		0.179	14.640	43.540	8.124	0.081	-3.080	11.170	0.006	0.246
σ		0.759	0.235	1.929	0.494	0.022	0.370	1.600	0.010	0.104
%RSD		425.200	1.603	4.431	6.082	26.870	12.030	14.320	169.300	42.120
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:59	0.174	0.100	1.213	0.623	-1.084	0.231	0.009	0.974	0.570
2	21:00:07	0.124	0.045	1.480	0.672	1.656	0.216	-0.534	1.317	-1.301
3	21:01:15	0.146	0.081	1.409	0.611	0.768	0.209	-0.089	0.774	-1.376
x		0.148	0.075	1.367	0.635	0.447	0.219	-0.205	1.022	-0.703
σ		0.025	0.028	0.138	0.032	1.398	0.011	0.290	0.275	1.102
%RSD		16.770	36.930	10.130	5.099	312.900	5.184	141.400	26.880	156.900
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:59	0.043	0.005	-0.022	0.013	0.007	-0.001	87%	-2.265	-0.007
2	21:00:07	0.069	0.036	-0.015	0.037	0.016	0.003	88%	-3.207	-0.012
3	21:01:15	0.014	-0.012	-0.001	-0.000	-0.014	-0.001	90%	-2.207	-0.012
x		0.042	0.009	-0.013	0.017	0.003	0.000	88%	-2.560	-0.010
σ		0.027	0.024	0.010	0.019	0.015	0.003	1%	0.561	0.003
%RSD		64.660	260.100	81.920	111.900	509.300	1440.000	2	21.930	27.760
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:59	1.307	-2.290	-0.011	-0.152	-0.061	-0.022	2.162	1.941	97%
2	21:00:07	1.595	-3.229	-0.003	-0.207	-0.036	-0.038	2.425	2.229	98%
3	21:01:15	1.029	-2.227	-0.013	-0.108	-0.033	-0.028	1.793	1.978	97%
x		1.310	-2.582	-0.009	-0.156	-0.043	-0.029	2.127	2.049	98%
σ		0.283	0.561	0.005	0.050	0.015	0.008	0.318	0.157	0%
%RSD		21.610	21.720	61.420	31.900	35.370	27.380	14.930	7.640	0
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	20:58:59	98%	0.021	-0.006	0.041	0.014	0.028	95%	0.202	
2	21:00:07	95%	0.008	0.004	0.052	0.036	0.038	94%	0.194	
3	21:01:15	98%	0.010	0.008	0.009	0.006	0.012	96%	0.192	
x		97%	0.013	0.002	0.034	0.019	0.026	95%	0.196	
σ		1%	0.007	0.007	0.022	0.016	0.013	1%	0.005	
%RSD		2	51.920	402.600	65.360	85.300	51.620	1	2.646	

C2339-02X25 MF4Q19 06/04/2011 09:05:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:54	92%	-0.039	34.330	0.000	9990.000	3491.000	3204.000	3281.000	1.171
2	21:08:03	91%	-0.038	37.380	0.000	9988.000	3536.000	3265.000	3321.000	1.173
3	21:09:11	93%	-0.062	38.060	0.000	9874.000	3478.000	3246.000	3252.000	0.996
x		92%	-0.046	36.590	0.000	9951.000	3502.000	3238.000	3284.000	1.113
σ		1%	0.014	1.986	0.000	66.200	30.520	31.400	34.460	0.101
%RSD		1	29.880	5.427	0.000	0.665	0.872	0.970	1.049	9.107

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:54	929.500	-3.297	0.000	0.000	366.900	7649.000	8316.000	88%	0.073
2	21:08:03	957.400	-1.764	0.000	0.000	381.100	7742.000	8200.000	87%	0.145
3	21:09:11	954.800	-4.286	0.000	0.000	363.800	7319.000	8136.000	89%	0.176
x		947.300	-3.116	0.000	0.000	370.600	7570.000	8217.000	88%	0.132
σ		15.420	1.270	0.000	0.000	9.230	222.300	91.260	1%	0.053
%RSD		1.627	40.780	0.000	0.000	2.490	2.937	1.111	1	40.100

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:54	1.955	52.570	34.080	21.740	0.074	-2.120	9.587	0.019	0.152
2	21:08:03	-1.003	51.810	36.920	21.960	0.077	-1.664	10.120	0.003	0.105
3	21:09:11	1.306	53.060	32.760	21.640	0.068	-2.327	8.282	0.009	0.196
x		0.753	52.480	34.580	21.780	0.073	-2.037	9.329	0.011	0.151
σ		1.555	0.630	2.127	0.164	0.005	0.339	0.944	0.008	0.046
%RSD		206.600	1.200	6.149	0.752	6.414	16.660	10.120	76.490	30.390

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:54	3.397	3.217	4.949	0.718	1.827	0.185	-0.493	0.339	-0.008
2	21:08:03	3.790	3.478	4.386	0.751	-0.712	0.181	0.685	0.797	-0.370
3	21:09:11	3.559	3.610	4.671	0.792	-1.208	0.193	0.106	0.622	-0.376
x		3.582	3.435	4.669	0.754	-0.031	0.187	0.099	0.586	-0.251
σ		0.198	0.200	0.282	0.037	1.628	0.006	0.589	0.231	0.211
%RSD		5.515	5.822	6.032	4.878	5282.000	3.143	593.500	39.440	83.720

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:54	0.139	0.085	0.038	0.075	0.104	-0.001	86%	-1.566	0.001
2	21:08:03	0.083	0.067	0.073	0.146	0.063	-0.001	88%	-0.346	-0.007
3	21:09:11	0.070	0.099	0.059	0.146	0.117	-0.001	87%	-1.785	-0.005
x		0.097	0.084	0.056	0.122	0.095	-0.001	87%	-1.233	-0.004
σ		0.037	0.016	0.018	0.041	0.028	0.000	1%	0.775	0.004
%RSD		38.040	19.150	31.130	33.400	29.420	0.000	1	62.890	104.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:54	0.974	-1.596	-0.013	-0.134	-0.034	-0.028	1.586	1.667	97%
2	21:08:03	0.133	-0.374	-0.005	-0.013	-0.040	-0.016	1.719	1.857	97%
3	21:09:11	0.827	-1.811	-0.011	-0.117	0.003	-0.022	1.971	1.885	97%
x		0.645	-1.260	-0.010	-0.088	-0.024	-0.022	1.759	1.803	97%
σ		0.450	0.775	0.004	0.066	0.023	0.006	0.196	0.119	0%
%RSD		69.740	61.480	41.150	74.810	98.570	28.450	11.140	6.589	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:54	96%	0.004	0.008	0.323	0.259	0.306	94%	0.294
2	21:08:03	98%	0.004	0.014	0.351	0.338	0.305	95%	0.288
3	21:09:11	95%	0.011	-0.001	0.310	0.235	0.294	93%	0.316
x		96%	0.006	0.007	0.328	0.277	0.302	94%	0.299
σ		1%	0.004	0.008	0.021	0.054	0.007	1%	0.015
%RSD		1	62.110	106.600	6.365	19.370	2.242	1	4.918

CCV 06/04/2011 09:13:40 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	21:14:49	90%	502.100	509.000	0.000	52360.000	53230.000	53070.000	52080.000	10400.000
2	21:15:56	92%	482.200	502.700	0.000	49990.000	50280.000	49760.000	49760.000	9697.000
3	21:17:05	93%	490.700	508.900	0.000	51300.000	53190.000	52540.000	52540.000	10200.000
x		92%	491.700	506.900	0.000	51220.000	52240.000	51790.000	51460.000	10100.000
σ		1%	9.966	3.610	0.000	1184.000	1691.000	1779.000	1491.000	363.400
%RSD		2	2.027	0.712	0.000	2.312	3.237	3.435	2.898	3.598

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:49	500.800	9530.000	0.000	0.000	25710.000	53910.000	51000.000	85%	494.800
2	21:15:56	479.100	9048.000	0.000	0.000	24480.000	51400.000	47960.000	88%	475.400
3	21:17:05	502.600	9433.000	0.000	0.000	25770.000	54230.000	51880.000	87%	491.500
x		494.200	9337.000	0.000	0.000	25320.000	53180.000	50280.000	87%	487.200
σ		13.090	254.800	0.000	0.000	728.500	1546.000	2056.000	2%	10.390
%RSD		2.649	2.729	0.000	0.000	2.877	2.907	4.090	2	2.133

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:49	491.300	499.700	32.770	25540.000	1013.000	26540.000	26830.000	486.100	491.500
2	21:15:56	458.900	467.300	34.730	24860.000	984.300	25470.000	25430.000	455.500	457.100
3	21:17:05	498.200	503.100	28.220	25780.000	1028.000	26890.000	26260.000	484.500	484.400
x		482.800	490.000	31.910	25390.000	1008.000	26300.000	26170.000	475.400	477.700
σ		21.010	19.730	3.340	474.500	22.000	737.800	699.500	17.230	18.150
%RSD		4.352	4.026	10.470	1.869	2.182	2.805	2.673	3.626	3.799

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:49	972.300	980.500	1026.000	512.600	537.000	-0.886	515.900	535.000	2.168
2	21:15:56	927.100	942.000	975.400	487.000	516.600	-0.435	496.300	500.700	0.056
3	21:17:05	968.200	982.700	1024.000	513.200	523.500	-0.099	516.900	517.500	5.626
x		955.900	968.400	1008.000	504.300	525.700	-0.473	509.700	517.700	2.617
σ		24.990	22.860	28.630	14.970	10.380	0.395	11.640	17.140	2.812
%RSD		2.615	2.361	2.839	2.968	1.975	83.490	2.284	3.310	107.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:49	512.500	512.500	509.300	517.200	515.300	-0.001	82%	519.500	507.700
2	21:15:56	486.600	491.600	485.700	486.500	479.800	0.004	84%	516.800	488.300
3	21:17:05	517.100	510.000	522.200	518.200	518.300	-0.001	82%	521.700	516.200
x		505.400	504.700	505.700	507.300	504.500	0.000	83%	519.300	504.100
σ		16.440	11.400	18.540	18.020	21.430	0.003	1%	2.430	14.320
%RSD		3.253	2.258	3.665	3.552	4.248	1102.000	1	0.468	2.841

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:49	10.410	518.800	501.300	522.300	522.400	525.000	2518.000	2535.000	88%
2	21:15:56	-4.215	515.800	488.500	498.600	496.400	513.100	2431.000	2410.000	92%
3	21:17:05	16.520	520.300	513.500	526.300	515.900	530.800	2559.000	2552.000	92%
x		7.570	518.300	501.100	515.700	511.600	523.000	2502.000	2499.000	90%
σ		10.650	2.270	12.470	14.960	13.530	8.983	65.520	77.590	2%
%RSD		140.700	0.438	2.489	2.900	2.644	1.718	2.618	3.105	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:49	88%	492.400	493.000	487.300	500.100	499.400	85%	485.600
2	21:15:56	92%	484.700	489.400	485.300	487.200	487.200	86%	473.700
3	21:17:05	92%	488.900	490.400	488.900	490.000	491.500	87%	481.200
x		91%	488.700	490.900	487.100	492.400	492.700	86%	480.200
σ		2%	3.839	1.886	1.805	6.787	6.217	1%	6.004
%RSD		2	0.786	0.384	0.371	1.378	1.262	1	1.250

CCB 06/04/2011 09:21:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:41	94%	0.030	11.530	0.000	2.263	1.142	1.253	1.030	0.614
2	21:23:49	95%	0.045	8.466	0.000	8.444	3.321	3.880	2.340	0.753
3	21:24:57	96%	0.014	7.981	0.000	12.180	5.866	6.679	4.940	1.172
x		95%	0.030	9.326	0.000	7.628	3.443	3.937	2.770	0.847
σ		1%	0.016	1.925	0.000	5.006	2.365	2.714	1.990	0.291
%RSD		1	53.020	20.650	0.000	65.630	68.680	68.920	71.840	34.330

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:41	-1.624	3.420	0.000	0.000	17.070	-0.938	3.517	89%	0.036
2	21:23:49	-1.966	4.504	0.000	0.000	18.150	-6.031	7.339	90%	-0.034
3	21:24:57	-1.437	0.762	0.000	0.000	19.020	5.658	10.690	90%	0.035
x		-1.675	2.895	0.000	0.000	18.080	-0.437	7.181	90%	0.012
σ		0.268	1.925	0.000	0.000	0.978	5.861	3.588	0%	0.040
%RSD		16.020	66.500	0.000	0.000	5.407	1342.000	49.960	0	331.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:41	-0.479	0.192	21.810	5.874	0.062	-1.770	1.340	0.019	0.186
2	21:23:49	-0.609	0.069	21.110	3.562	0.101	-0.598	2.020	0.032	0.257
3	21:24:57	-0.526	0.100	20.060	9.258	0.162	-0.027	1.693	0.048	0.249
x		-0.538	0.120	20.990	6.231	0.108	-0.798	1.684	0.033	0.231
σ		0.066	0.064	0.885	2.864	0.050	0.889	0.340	0.015	0.039
%RSD		12.180	52.870	4.214	45.970	46.450	111.300	20.180	44.170	16.900

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:41	0.445	0.457	0.342	0.015	-0.664	0.127	0.237	-1.117	4.263
2	21:23:49	0.409	0.552	0.456	-0.018	-1.287	0.118	-0.522	0.155	-0.119
3	21:24:57	0.503	0.602	0.495	0.163	-1.458	0.106	0.531	0.678	-0.384
x		0.452	0.537	0.431	0.053	-1.136	0.117	0.082	-0.095	1.254
σ		0.047	0.073	0.079	0.096	0.418	0.011	0.543	0.923	2.610
%RSD		10.480	13.660	18.430	180.900	36.740	9.224	661.700	975.000	208.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:41	0.514	0.480	0.620	0.586	0.508	-0.001	87%	-0.350	0.008
2	21:23:49	0.386	0.394	0.450	0.361	0.338	-0.001	88%	-2.577	0.064
3	21:24:57	0.284	0.226	0.361	0.414	0.319	-0.001	87%	0.894	0.068
x		0.395	0.366	0.477	0.454	0.388	-0.001	87%	-0.678	0.047
σ		0.115	0.129	0.132	0.118	0.104	0.000	1%	1.758	0.034
%RSD		29.100	35.260	27.600	25.930	26.740	0.000	1	259.500	71.990

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:41	0.133	-0.376	0.029	0.010	0.551	0.741	0.120	0.107	95%
2	21:23:49	1.288	-2.594	0.071	-0.149	0.445	0.476	0.234	0.150	95%
3	21:24:57	-0.468	0.867	0.112	0.125	0.392	0.369	0.428	0.341	95%
x		0.318	-0.701	0.071	-0.005	0.463	0.529	0.261	0.199	95%
σ		0.893	1.754	0.041	0.137	0.081	0.191	0.156	0.124	0%
%RSD		280.800	250.100	58.320	2805.000	17.530	36.200	59.740	62.340	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:22:41	95%	0.052	0.044	0.036	0.016	0.026	89%	0.036
2	21:23:49	93%	0.109	0.084	0.043	0.044	0.047	92%	0.042
3	21:24:57	95%	0.101	0.092	0.078	0.052	0.076	92%	0.069
x		94%	0.087	0.073	0.052	0.037	0.050	91%	0.049
σ		1%	0.031	0.026	0.023	0.019	0.025	1%	0.017
%RSD		1	35.700	35.090	43.800	50.470	50.700	2	35.490

C2339-03X25 MF4Q26 06/04/2011 09:29:25 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	21:30:33	96%	0.127	34.360	0.000	10510.000	2300.000	2081.000	2082.000	3.365
2	21:31:41	95%	0.121	38.240	0.000	10730.000	2321.000	2135.000	2140.000	3.898
3	21:32:49	95%	0.038	36.980	0.000	10590.000	2296.000	2158.000	2126.000	2.568
x		95%	0.095	36.530	0.000	10610.000	2306.000	2125.000	2116.000	3.277
σ		1%	0.050	1.979	0.000	111.000	13.520	39.320	30.380	0.669
%RSD		1	52.410	5.417	0.000	1.046	0.586	1.851	1.436	20.430

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:33	906.600	3.325	0.000	0.000	292.500	6969.000	7843.000	89%	0.350
2	21:31:41	930.900	1.673	0.000	0.000	293.200	7034.000	7693.000	88%	0.212
3	21:32:49	924.400	3.357	0.000	0.000	287.600	6951.000	7657.000	88%	0.246
x		920.600	2.785	0.000	0.000	291.100	6985.000	7731.000	88%	0.269
σ		12.600	0.963	0.000	0.000	3.061	43.240	98.820	0%	0.072
%RSD		1.369	34.570	0.000	0.000	1.052	0.619	1.278	0	26.650

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:33	1.406	21.700	23.340	14.640	0.372	4.583	18.680	0.160	0.159
2	21:31:41	1.886	22.190	23.290	19.860	0.425	5.998	16.970	0.171	0.242
3	21:32:49	1.270	22.100	24.190	15.640	0.239	3.166	16.720	0.080	0.149
x		1.521	22.000	23.610	16.720	0.346	4.582	17.460	0.137	0.183
σ		0.324	0.260	0.501	2.771	0.096	1.416	1.071	0.049	0.051
%RSD		21.290	1.182	2.122	16.580	27.670	30.900	6.134	36.140	27.770

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:33	0.646	0.607	3.244	0.774	-0.948	0.111	0.082	0.043	3.016
2	21:31:41	0.654	0.657	3.124	0.686	1.371	0.116	1.131	1.345	0.448
3	21:32:49	0.440	0.417	3.021	0.711	0.329	0.090	0.316	0.728	0.493
x		0.580	0.560	3.130	0.724	0.251	0.106	0.510	0.705	1.319
σ		0.121	0.126	0.111	0.045	1.162	0.013	0.550	0.652	1.470
%RSD		20.900	22.560	3.558	6.265	463.700	12.700	107.900	92.390	111.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:33	0.284	0.312	0.279	0.195	0.280	0.003	87%	0.350	0.070
2	21:31:41	0.288	0.310	0.241	0.330	0.317	-0.001	90%	-0.538	0.041
3	21:32:49	0.253	0.151	0.144	0.227	0.185	-0.001	89%	-1.399	0.007
x		0.275	0.258	0.221	0.251	0.260	0.000	89%	-0.529	0.039
σ		0.019	0.092	0.070	0.070	0.068	0.003	1%	0.875	0.031
%RSD		7.025	35.760	31.510	28.050	26.080	1358.000	2	165.300	79.430

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:33	-0.122	0.322	0.069	0.148	0.222	0.239	2.829	2.807	96%
2	21:31:41	0.381	-0.557	0.046	0.021	0.192	0.210	3.052	2.623	97%
3	21:32:49	0.639	-1.421	0.034	-0.008	0.132	0.150	2.132	2.303	97%
x		0.299	-0.552	0.049	0.054	0.182	0.200	2.671	2.578	96%
σ		0.387	0.872	0.018	0.083	0.046	0.045	0.480	0.255	1%
%RSD		129.200	157.900	36.200	154.400	25.030	22.660	17.970	9.904	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:33	95%	0.196	0.196	0.198	0.188	0.178	93%	0.330
2	21:31:41	96%	0.160	0.182	0.180	0.208	0.188	91%	0.373
3	21:32:49	97%	0.084	0.075	0.085	0.116	0.090	93%	0.327
x		96%	0.147	0.151	0.154	0.171	0.152	92%	0.344
σ		1%	0.057	0.066	0.061	0.048	0.054	1%	0.025
%RSD		1	38.920	43.950	39.210	28.220	35.480	1	7.396

C2339-04 MF4Q27 06/04/2011 09:37:18 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	21:38:26	86%	0.031	742.600	0.000	232000.000	49440.000	48670.000	48820.000	5.865
2	21:39:35	85%	0.058	745.600	0.000	234300.000	50170.000	49560.000	49400.000	5.469
3	21:40:43	86%	-0.002	745.800	0.000	230000.000	50230.000	49470.000	49160.000	5.216
x		86%	0.029	744.600	0.000	232100.000	49940.000	49230.000	49130.000	5.517
σ		1%	0.030	1.771	0.000	2147.000	439.200	491.700	290.700	0.327
%RSD		1	103.600	0.238	0.000	0.925	0.879	0.999	0.592	5.935

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:26	22060.000	-5.790	0.000	0.000	5938.000	151400.000	183200.000	81%	1.605
2	21:39:35	22180.000	23.900	0.000	0.000	6048.000	156600.000	187500.000	79%	1.304
3	21:40:43	21680.000	17.030	0.000	0.000	5915.000	157300.000	185200.000	79%	1.684
x		21970.000	11.710	0.000	0.000	5967.000	155100.000	185300.000	80%	1.531
σ		261.600	15.540	0.000	0.000	71.070	3229.000	2159.000	1%	0.200
%RSD		1.191	132.700	0.000	0.000	1.191	2.082	1.165	2	13.070

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:26	37.070	472.900	125.900	209.600	2.549	14.820	202.200	0.338	1.597
2	21:39:35	37.140	481.800	137.200	212.900	2.434	17.250	211.800	0.338	1.866
3	21:40:43	36.920	473.700	139.100	203.000	2.304	14.610	201.500	0.344	1.924
x		37.050	476.100	134.100	208.500	2.429	15.560	205.200	0.340	1.795
σ		0.112	4.925	7.122	5.043	0.123	1.469	5.741	0.003	0.175
%RSD		0.301	1.034	5.311	2.418	5.051	9.445	2.798	0.938	9.726

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:26	1.901	2.005	72.900	10.120	11.250	0.560	7.920	14.370	1.115
2	21:39:35	1.915	1.752	74.140	12.120	22.630	0.464	9.066	16.210	1.198
3	21:40:43	1.999	1.847	75.280	10.110	11.990	0.669	7.477	13.270	2.270
x		1.938	1.868	74.110	10.780	15.290	0.564	8.154	14.620	1.528
σ		0.053	0.128	1.190	1.159	6.370	0.103	0.820	1.482	0.645
%RSD		2.729	6.851	1.606	10.750	41.660	18.190	10.060	10.140	42.190

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:26	1.096	0.897	0.947	0.897	1.070	-0.001	78%	-0.181	0.052
2	21:39:35	1.363	1.065	0.939	0.987	0.934	-0.001	78%	-1.526	0.013
3	21:40:43	1.238	0.977	1.039	1.175	1.112	-0.001	77%	-2.300	0.030
x		1.232	0.980	0.975	1.019	1.039	-0.001	78%	-1.335	0.032
σ		0.134	0.084	0.056	0.142	0.093	0.000	1%	1.072	0.019
%RSD		10.840	8.594	5.734	13.910	8.957	0.000	1	80.310	60.670

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:26	0.246	-0.229	0.045	0.119	0.193	0.175	46.440	47.200	93%
2	21:39:35	0.709	-1.566	0.028	0.029	0.177	0.173	47.040	47.160	92%
3	21:40:43	1.175	-2.338	0.008	-0.098	0.184	0.066	45.270	46.670	92%
x		0.710	-1.378	0.027	0.017	0.184	0.138	46.250	47.010	92%
σ		0.465	1.067	0.019	0.109	0.008	0.063	0.901	0.294	1%
%RSD		65.490	77.450	69.870	646.200	4.426	45.410	1.949	0.626	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:26	92%	0.097	0.074	0.801	0.641	0.706	87%	5.774
2	21:39:35	92%	0.072	0.065	0.731	0.597	0.649	87%	5.469
3	21:40:43	92%	0.052	0.054	0.785	0.579	0.684	85%	5.747
x		92%	0.074	0.065	0.772	0.605	0.680	86%	5.663
σ		0%	0.023	0.010	0.037	0.032	0.029	1%	0.169
%RSD		0	30.660	15.540	4.768	5.270	4.233	1	2.985

C2339-05 MF4Q28 06/04/2011 09:45:12 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:20	89%	-0.021	830.400	0.000	230500.000	57200.000	58090.000	58260.000	3.368
2	21:47:28	89%	-0.021	843.500	0.000	226700.000	55710.000	55940.000	55240.000	3.761
3	21:48:36	86%	-0.028	864.100	0.000	233100.000	57680.000	58600.000	58100.000	2.762
x		88%	-0.023	846.000	0.000	230100.000	56870.000	57540.000	57200.000	3.297
σ		1%	0.004	16.980	0.000	3217.000	1028.000	1410.000	1695.000	0.504
%RSD		2	17.960	2.007	0.000	1.398	1.807	2.450	2.964	15.270

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:20	24210.000	42.880	0.000	0.000	6732.000	172300.000	210400.000	80%	2.238
2	21:47:28	23650.000	55.020	0.000	0.000	6613.000	171600.000	206000.000	81%	1.984
3	21:48:36	24510.000	56.010	0.000	0.000	6767.000	171300.000	204900.000	80%	2.229
x		24120.000	51.300	0.000	0.000	6704.000	171700.000	207100.000	80%	2.150
σ		435.400	7.311	0.000	0.000	81.010	483.600	2916.000	1%	0.144
%RSD		1.805	14.250	0.000	0.000	1.208	0.282	1.408	1	6.679

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:20	40.020	261.300	137.100	109.900	0.356	7.232	226.900	0.277	1.651
2	21:47:28	38.740	252.800	140.300	99.330	0.360	5.189	207.900	0.284	1.741
3	21:48:36	37.280	264.100	151.100	111.000	0.277	6.334	221.400	0.296	1.842
x		38.680	259.400	142.800	106.800	0.331	6.252	218.800	0.286	1.744
σ		1.372	5.880	7.333	6.448	0.047	1.024	9.760	0.010	0.095
%RSD		3.548	2.267	5.134	6.040	14.140	16.380	4.461	3.347	5.471

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:20	3.824	3.897	13.720	12.680	18.850	0.533	10.380	17.730	-0.160
2	21:47:28	3.802	3.915	13.820	10.450	10.120	0.744	10.520	14.820	2.265
3	21:48:36	3.944	3.680	13.800	13.120	16.440	0.559	11.270	19.220	3.210
x		3.857	3.830	13.780	12.080	15.140	0.612	10.730	17.260	1.772
σ		0.077	0.131	0.054	1.428	4.509	0.115	0.480	2.235	1.738
%RSD		1.989	3.418	0.394	11.820	29.780	18.770	4.470	12.950	98.120

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:20	1.778	1.449	1.481	1.639	1.458	-0.001	76%	-1.388	0.017
2	21:47:28	1.444	1.388	1.533	1.586	1.379	0.010	76%	-0.651	0.031
3	21:48:36	1.922	1.569	1.242	1.744	1.487	0.004	73%	-0.230	0.006
x		1.715	1.469	1.419	1.656	1.441	0.004	75%	-0.756	0.018
σ		0.246	0.092	0.155	0.081	0.056	0.006	2%	0.586	0.012
%RSD		14.320	6.269	10.940	4.868	3.889	131.900	2	77.490	70.050

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:20	0.642	-1.427	0.041	-0.071	0.057	0.070	48.980	49.300	90%
2	21:47:28	0.476	-0.693	0.029	-0.014	0.121	0.057	48.980	46.820	89%
3	21:48:36	0.188	-0.286	0.027	-0.005	0.052	0.092	49.290	49.530	90%
x		0.435	-0.802	0.032	-0.030	0.077	0.073	49.090	48.550	90%
σ		0.230	0.578	0.007	0.036	0.038	0.018	0.179	1.503	1%
%RSD		52.850	72.080	22.920	119.600	49.690	24.340	0.364	3.097	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:20	91%	0.029	0.024	0.142	0.108	0.122	84%	7.119
2	21:47:28	90%	0.013	0.016	0.109	0.118	0.115	84%	7.149
3	21:48:36	90%	0.028	0.020	0.108	0.088	0.106	81%	7.492
x		90%	0.023	0.020	0.120	0.104	0.114	83%	7.253
σ		1%	0.009	0.004	0.019	0.015	0.008	2%	0.208
%RSD		1	39.780	18.570	16.010	14.640	6.908	2	2.860

C2339-06 MF4Q30 06/04/2011 09:53:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:13	87%	0.022	829.200	0.000	248800.000	52900.000	51960.000	52780.000	0.715
2	21:55:21	89%	-0.021	887.100	0.000	251000.000	54390.000	53070.000	53200.000	0.796
3	21:56:29	88%	0.020	891.100	0.000	240700.000	51340.000	50460.000	50140.000	-0.499
x		88%	0.007	869.100	0.000	246800.000	52880.000	51830.000	52040.000	0.338
σ		1%	0.024	34.680	0.000	5456.000	1524.000	1307.000	1660.000	0.726
%RSD		1	339.800	3.991	0.000	2.211	2.883	2.521	3.190	214.900

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:13	21580.000	32.580	0.000	0.000	7342.000	175700.000	208900.000	80%	1.525
2	21:55:21	21810.000	20.980	0.000	0.000	7377.000	174200.000	210700.000	81%	1.351
3	21:56:29	20060.000	3.082	0.000	0.000	6686.000	173000.000	187200.000	93%	1.342
x		21150.000	18.880	0.000	0.000	7135.000	174300.000	202200.000	84%	1.406
σ		950.300	14.860	0.000	0.000	388.900	1358.000	13070.000	7%	0.104
%RSD		4.493	78.710	0.000	0.000	5.451	0.779	6.461	9	7.365

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:13	39.230	326.900	149.000	146.100	0.285	16.720	219.500	0.272	1.211
2	21:55:21	36.720	329.000	161.200	151.400	0.158	16.710	225.300	0.288	1.525
3	21:56:29	35.000	299.700	146.700	129.100	0.195	10.120	198.300	0.241	1.302
x		36.980	318.600	152.300	142.200	0.213	14.510	214.400	0.267	1.346
σ		2.130	16.350	7.802	11.680	0.065	3.809	14.250	0.024	0.162
%RSD		5.760	5.133	5.123	8.215	30.580	26.240	6.646	9.024	12.010

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:13	5.581	5.410	9.013	10.380	12.760	0.712	11.170	17.120	5.011
2	21:55:21	5.166	5.028	9.182	11.970	18.430	0.620	11.600	17.470	3.203
3	21:56:29	4.685	5.215	8.613	10.770	16.690	0.703	10.590	16.960	2.746
x		5.144	5.218	8.936	11.040	15.960	0.678	11.120	17.180	3.653
σ		0.448	0.191	0.292	0.828	2.904	0.050	0.506	0.260	1.198
%RSD		8.710	3.663	3.272	7.498	18.200	7.428	4.551	1.514	32.790

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:13	1.382	1.416	1.199	1.483	1.165	-0.001	77%	-0.219	0.030
2	21:55:21	1.280	1.280	1.033	1.376	1.268	-0.001	78%	-1.681	0.016
3	21:56:29	1.166	1.261	1.510	1.175	1.398	-0.001	75%	-1.691	0.020
x		1.276	1.319	1.247	1.344	1.277	-0.001	77%	-1.197	0.022
σ		0.108	0.084	0.242	0.156	0.117	0.000	2%	0.847	0.007
%RSD		8.489	6.389	19.440	11.640	9.164	0.000	2	70.740	33.170

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:13	0.357	-0.262	0.055	-0.038	0.117	0.044	42.720	42.630	90%
2	21:55:21	0.967	-1.719	0.010	-0.086	0.077	0.050	43.760	42.120	92%
3	21:56:29	0.982	-1.735	0.020	-0.086	0.079	0.094	42.090	45.940	90%
x		0.769	-1.239	0.029	-0.070	0.091	0.063	42.860	43.560	91%
σ		0.357	0.846	0.023	0.028	0.022	0.027	0.843	2.074	1%
%RSD		46.400	68.260	81.950	39.980	24.650	42.700	1.968	4.761	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:13	92%	0.029	0.018	0.836	0.739	0.792	85%	6.727
2	21:55:21	92%	0.014	0.016	0.853	0.740	0.823	86%	6.931
3	21:56:29	92%	0.008	0.011	0.998	0.804	0.864	85%	7.066
x		92%	0.017	0.015	0.896	0.761	0.826	86%	6.908
σ		0%	0.011	0.003	0.089	0.037	0.036	1%	0.171
%RSD		0	63.230	21.930	9.941	4.888	4.356	1	2.470

C2339-07 MF4Q31 06/04/2011 10:00:59 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	83%	-0.017	815.300	0.000	243500.000	50480.000	51010.000	49650.000	0.615
2	22:03:15	81%	-0.052	821.900	0.000	249800.000	51680.000	51410.000	50280.000	1.319
3	22:04:23	84%	0.017	792.800	0.000	239500.000	49870.000	49430.000	50180.000	1.209
x		83%	-0.018	810.000	0.000	244300.000	50680.000	50620.000	50040.000	1.048
σ		1%	0.034	15.270	0.000	5200.000	920.400	1045.000	340.700	0.378
%RSD		2	195.900	1.885	0.000	2.129	1.816	2.064	0.681	36.120
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	20310.000	15.240	0.000	0.000	6604.000	146600.000	180000.000	77%	1.492
2	22:03:15	20750.000	-11.110	0.000	0.000	6544.000	148000.000	180500.000	77%	1.854
3	22:04:23	20350.000	-20.790	0.000	0.000	6511.000	145100.000	178000.000	79%	1.103
x		20470.000	-5.555	0.000	0.000	6553.000	146600.000	179500.000	78%	1.483
σ		244.400	18.650	0.000	0.000	47.270	1432.000	1318.000	1%	0.376
%RSD		1.194	335.700	0.000	0.000	0.721	0.977	0.734	2	25.340
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	42.260	728.300	150.600	309.900	0.312	10.400	177.800	0.225	1.084
2	22:03:15	39.230	737.700	161.600	309.600	0.280	10.190	181.100	0.155	1.159
3	22:04:23	41.340	715.400	160.200	297.000	0.389	9.897	169.900	0.189	0.935
x		40.950	727.100	157.500	305.500	0.327	10.160	176.200	0.190	1.059
σ		1.553	11.190	5.986	7.395	0.056	0.251	5.743	0.035	0.114
%RSD		3.792	1.539	3.800	2.421	17.090	2.474	3.258	18.520	10.800
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	7.017	7.107	13.000	11.810	16.210	0.700	11.350	15.680	0.278
2	22:03:15	6.967	6.669	11.940	12.230	20.330	0.658	11.310	14.920	0.272
3	22:04:23	6.590	6.735	12.580	12.160	13.540	0.687	10.650	17.060	1.598
x		6.858	6.837	12.510	12.070	16.690	0.681	11.100	15.890	0.716
σ		0.233	0.236	0.529	0.224	3.418	0.021	0.395	1.085	0.764
%RSD		3.403	3.455	4.232	1.860	20.480	3.146	3.555	6.830	106.600
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	1.106	1.076	1.075	1.210	1.231	-0.001	76%	-0.624	0.025
2	22:03:15	1.104	1.092	0.895	1.220	1.272	-0.001	76%	-2.656	0.022
3	22:04:23	1.335	1.071	1.086	1.042	1.068	-0.001	77%	-1.565	0.008
x		1.182	1.080	1.019	1.157	1.190	-0.001	76%	-1.615	0.019
σ		0.133	0.011	0.107	0.100	0.108	0.000	0%	1.017	0.009
%RSD		11.230	1.005	10.540	8.627	9.053	0.000	1	62.970	50.010
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	0.372	-0.674	0.017	-0.040	-0.010	0.067	45.340	45.520	91%
2	22:03:15	1.350	-2.697	0.017	-0.168	-0.006	0.070	42.850	43.420	93%
3	22:04:23	0.824	-1.611	0.014	-0.106	-0.021	0.030	43.940	43.480	93%
x		0.849	-1.661	0.016	-0.104	-0.012	0.056	44.040	44.140	92%
σ		0.490	1.013	0.002	0.064	0.008	0.022	1.249	1.194	1%
%RSD		57.680	60.980	11.930	61.360	63.240	39.700	2.835	2.705	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:02:07	93%	0.009	0.005	0.076	0.067	0.065	88%	5.860	
2	22:03:15	93%	0.007	-0.000	0.048	0.047	0.042	87%	6.080	
3	22:04:23	94%	0.012	0.005	0.096	0.046	0.061	88%	6.233	
x		93%	0.009	0.003	0.073	0.054	0.056	88%	6.058	
σ		1%	0.002	0.003	0.024	0.012	0.012	1%	0.188	
%RSD		1	22.660	90.760	32.430	22.190	22.250	1	3.097	

C2339-08 MF4Q60 06/04/2011 10:08:53 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	22:10:01	87%	-0.028	846.900	0.000	258600.000	55350.000	54780.000	53870.000	1.361
2	22:11:09	86%	-0.010	840.900	0.000	265000.000	55190.000	54810.000	54690.000	1.144
3	22:12:17	89%	-0.037	847.800	0.000	260000.000	54950.000	55530.000	55250.000	1.223
x		87%	-0.025	845.200	0.000	261200.000	55160.000	55040.000	54600.000	1.243
σ		2%	0.014	3.723	0.000	3350.000	201.500	422.000	695.600	0.110
%RSD		2	54.010	0.441	0.000	1.282	0.365	0.767	1.274	8.820
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:01	20980.000	-4.861	0.000	0.000	7624.000	177500.000	215800.000	79%	0.992
2	22:11:09	21230.000	-11.540	0.000	0.000	7510.000	181000.000	217400.000	78%	1.320
3	22:12:17	20880.000	-6.130	0.000	0.000	7595.000	180300.000	216200.000	80%	1.708
x		21030.000	-7.511	0.000	0.000	7576.000	179600.000	216500.000	79%	1.340
σ		177.800	3.549	0.000	0.000	59.340	1843.000	844.600	1%	0.359
%RSD		0.845	47.240	0.000	0.000	0.783	1.026	0.390	1	26.760
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:01	39.340	326.300	159.500	148.600	0.271	17.210	204.400	0.288	1.715
2	22:11:09	35.830	321.500	171.500	143.500	0.258	17.690	204.200	0.271	1.426
3	22:12:17	38.910	324.800	174.400	143.900	0.279	17.790	213.100	0.278	1.612
x		38.030	324.200	168.500	145.300	0.269	17.570	207.200	0.279	1.584
σ		1.912	2.445	7.872	2.830	0.011	0.308	5.066	0.009	0.146
%RSD		5.027	0.754	4.672	1.947	4.068	1.755	2.445	3.066	9.229
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:01	15.140	14.900	16.880	10.810	9.711	0.796	11.720	15.960	0.204
2	22:11:09	15.650	15.860	17.840	10.740	8.481	0.797	12.040	17.530	0.611
3	22:12:17	15.490	15.510	16.650	10.540	16.150	0.741	11.460	18.870	-0.172
x		15.430	15.420	17.120	10.700	11.450	0.778	11.740	17.450	0.215
σ		0.260	0.486	0.629	0.139	4.121	0.032	0.295	1.455	0.392
%RSD		1.683	3.149	3.674	1.301	35.990	4.107	2.513	8.335	182.500
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:01	1.410	1.097	1.144	1.262	1.181	0.004	77%	-3.278	0.022
2	22:11:09	1.134	1.364	1.098	1.109	1.167	-0.001	76%	-1.650	0.042
3	22:12:17	1.209	1.246	1.090	1.424	1.195	0.004	77%	-2.302	0.011
x		1.251	1.235	1.111	1.265	1.181	0.002	76%	-2.410	0.025
σ		0.143	0.134	0.029	0.158	0.014	0.003	1%	0.819	0.016
%RSD		11.420	10.810	2.596	12.460	1.173	140.500	1	33.990	64.040
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:01	1.648	-3.314	0.035	-0.178	0.236	0.051	49.060	48.180	93%
2	22:11:09	0.962	-1.700	0.038	-0.110	0.195	0.048	47.310	48.270	94%
3	22:12:17	1.182	-2.351	0.022	-0.112	0.261	0.050	47.570	47.440	97%
x		1.264	-2.455	0.032	-0.133	0.230	0.050	47.980	47.960	95%
σ		0.350	0.812	0.008	0.039	0.033	0.002	0.944	0.455	2%
%RSD		27.690	33.070	25.790	29.160	14.430	3.165	1.967	0.949	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:10:01	94%	0.009	0.008	1.631	1.550	1.567	89%	7.004	
2	22:11:09	96%	-0.004	0.003	1.685	1.462	1.544	90%	6.879	
3	22:12:17	97%	0.009	0.002	1.667	1.543	1.536	91%	6.983	
x		96%	0.005	0.004	1.661	1.518	1.549	90%	6.955	
σ		2%	0.008	0.003	0.028	0.049	0.016	1%	0.067	
%RSD		2	167.800	75.470	1.664	3.230	1.060	1	0.966	

C2339-04X25 MF4Q27 06/04/2011 10:16:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:56	97%	-0.040	55.420	0.000	9944.000	2163.000	2008.000	1979.000	1.615
2	22:19:04	95%	-0.024	51.360	0.000	9805.000	2116.000	1989.000	2018.000	1.514
3	22:20:12	95%	-0.039	49.580	0.000	9952.000	2169.000	1992.000	1971.000	1.540
x		96%	-0.034	52.120	0.000	9900.000	2150.000	1996.000	1989.000	1.556
σ		1%	0.009	2.990	0.000	82.480	28.840	10.010	25.120	0.052
%RSD		1	25.970	5.736	0.000	0.833	1.341	0.501	1.263	3.359
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:56	834.900	-9.940	0.000	0.000	250.300	6678.000	7276.000	88%	0.177
2	22:19:04	844.000	-5.065	0.000	0.000	254.900	6553.000	7137.000	88%	0.038
3	22:20:12	855.000	-2.723	0.000	0.000	257.000	6557.000	7185.000	88%	0.038
x		844.600	-5.909	0.000	0.000	254.100	6596.000	7199.000	88%	0.084
σ		10.050	3.682	0.000	0.000	3.448	71.140	70.240	0%	0.080
%RSD		1.190	62.310	0.000	0.000	1.357	1.079	0.976	0	95.230
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:56	-0.048	20.490	49.040	11.360	0.205	-1.447	6.359	0.005	0.141
2	22:19:04	1.547	19.820	44.910	12.160	0.158	-0.898	8.092	0.007	0.141
3	22:20:12	-0.104	19.790	45.580	11.990	0.194	-0.077	8.395	0.009	0.076
x		0.465	20.030	46.510	11.840	0.186	-0.807	7.616	0.007	0.119
σ		0.938	0.399	2.217	0.424	0.025	0.689	1.099	0.002	0.038
%RSD		201.500	1.992	4.767	3.578	13.470	85.360	14.420	27.690	31.600
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:56	0.105	0.061	3.942	0.669	2.619	0.264	-0.294	0.570	0.904
2	22:19:04	0.069	0.146	4.069	0.568	-0.038	0.257	0.092	0.157	1.756
3	22:20:12	0.116	0.084	3.673	0.796	-0.262	0.257	0.771	-0.131	2.398
x		0.097	0.097	3.895	0.678	0.773	0.259	0.190	0.199	1.686
σ		0.024	0.044	0.202	0.115	1.603	0.004	0.539	0.352	0.750
%RSD		25.290	45.660	5.189	16.890	207.300	1.612	284.500	177.200	44.460
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:56	0.071	-0.003	0.015	0.087	0.012	-0.001	87%	-0.467	-0.005
2	22:19:04	0.082	-0.004	0.021	0.001	0.006	0.008	88%	-0.382	-0.005
3	22:20:12	0.043	-0.004	-0.015	-0.023	0.006	-0.001	88%	-2.445	-0.005
x		0.065	-0.003	0.007	0.021	0.008	0.002	88%	-1.098	-0.005
σ		0.020	0.000	0.019	0.058	0.003	0.006	1%	1.168	0.000
%RSD		31.180	12.750	267.400	270.900	40.940	309.600	1	106.400	2.169
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:56	0.363	-0.506	-0.005	-0.041	-0.056	-0.038	2.063	2.003	100%
2	22:19:04	0.153	-0.416	-0.011	-0.005	-0.041	-0.035	1.839	1.846	100%
3	22:20:12	1.228	-2.470	-0.011	-0.143	-0.048	-0.012	1.449	1.729	98%
x		0.581	-1.131	-0.009	-0.063	-0.049	-0.028	1.784	1.860	99%
σ		0.570	1.161	0.003	0.071	0.008	0.014	0.311	0.138	1%
%RSD		98.120	102.700	35.050	113.800	16.320	48.680	17.440	7.408	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:17:56	99%	0.012	-0.005	0.073	0.037	0.046	98%	0.217	
2	22:19:04	98%	0.008	-0.001	0.075	0.033	0.050	95%	0.219	
3	22:20:12	97%	0.002	-0.002	0.074	0.046	0.059	96%	0.230	
x		98%	0.007	-0.003	0.074	0.039	0.052	96%	0.222	
σ		1%	0.005	0.002	0.001	0.007	0.007	1%	0.007	
%RSD		1	70.900	66.780	1.619	16.810	12.620	2	3.025	

C2339-05X25 MF4Q28 06/04/2011 10:24:43 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	22:25:51	97%	-0.017	49.420	0.000	10620.000	2626.000	2394.000	2445.000	1.247
2	22:26:59	97%	-0.032	49.120	0.000	10680.000	2591.000	2431.000	2432.000	1.321
3	22:28:07	98%	-0.025	45.000	0.000	10530.000	2607.000	2410.000	2397.000	1.053
x		97%	-0.025	47.850	0.000	10610.000	2608.000	2412.000	2425.000	1.207
σ		1%	0.008	2.467	0.000	75.070	17.570	18.160	25.020	0.139
%RSD		1	30.400	5.157	0.000	0.707	0.674	0.753	1.032	11.480
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:51	958.300	1.645	0.000	0.000	323.100	8075.000	8679.000	87%	0.039
2	22:26:59	955.000	-5.626	0.000	0.000	318.200	7867.000	8516.000	88%	0.038
3	22:28:07	946.600	1.251	0.000	0.000	313.300	7841.000	8441.000	89%	0.175
x		953.300	-0.910	0.000	0.000	318.200	7928.000	8546.000	88%	0.084
σ		6.044	4.089	0.000	0.000	4.889	128.100	121.900	1%	0.079
%RSD		0.634	449.400	0.000	0.000	1.536	1.616	1.426	1	94.270
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:51	1.221	11.210	37.530	8.457	0.071	-0.365	10.290	0.009	0.104
2	22:26:59	0.811	11.200	36.910	9.148	0.085	-0.491	8.426	0.003	0.131
3	22:28:07	1.528	10.670	35.100	7.722	0.090	0.159	10.620	0.007	0.120
x		1.187	11.030	36.510	8.442	0.082	-0.232	9.776	0.007	0.119
σ		0.360	0.309	1.264	0.713	0.010	0.345	1.181	0.003	0.014
%RSD		30.320	2.804	3.462	8.447	11.830	148.500	12.080	47.290	11.440
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:51	0.229	0.234	0.976	0.675	2.498	0.207	0.414	1.142	-0.382
2	22:26:59	0.223	0.177	1.088	1.052	4.328	0.154	0.921	0.957	1.712
3	22:28:07	0.182	0.260	0.503	0.708	2.291	0.190	1.334	0.153	2.274
x		0.211	0.224	0.856	0.812	3.039	0.184	0.889	0.751	1.201
σ		0.025	0.042	0.311	0.209	1.121	0.027	0.461	0.526	1.400
%RSD		12.060	19.010	36.280	25.740	36.890	14.790	51.820	70.080	116.500
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:51	0.122	0.082	0.036	0.037	0.049	-0.001	88%	-2.105	0.015
2	22:26:59	0.028	0.004	0.050	0.012	0.024	-0.001	89%	-1.692	0.010
3	22:28:07	0.080	0.042	0.035	0.047	0.043	-0.001	90%	-0.734	-0.000
x		0.077	0.043	0.040	0.032	0.039	-0.001	89%	-1.510	0.008
σ		0.047	0.039	0.008	0.018	0.013	0.000	1%	0.704	0.008
%RSD		61.230	92.550	20.540	56.270	32.990	0.000	1	46.590	92.750
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:51	0.983	-2.133	0.023	-0.125	-0.011	-0.006	2.158	1.968	100%
2	22:26:59	0.786	-1.725	0.013	-0.102	-0.017	-0.016	2.185	2.187	103%
3	22:28:07	0.480	-0.759	0.002	-0.054	-0.041	-0.028	2.231	2.237	98%
x		0.750	-1.539	0.013	-0.093	-0.023	-0.017	2.192	2.131	100%
σ		0.254	0.706	0.011	0.036	0.016	0.011	0.037	0.143	2%
%RSD		33.860	45.850	83.030	38.560	69.140	64.650	1.688	6.720	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:25:51	101%	0.010	0.008	0.027	0.040	0.031	97%	0.285	
2	22:26:59	99%	0.012	0.003	0.045	0.016	0.027	97%	0.306	
3	22:28:07	100%	0.002	0.002	0.024	0.010	0.026	98%	0.290	
x		100%	0.008	0.004	0.032	0.022	0.028	97%	0.294	
σ		1%	0.005	0.004	0.011	0.016	0.003	0%	0.011	
%RSD		1	70.840	87.090	35.340	71.800	10.070	0	3.683	

C2339-06X25 MF4Q30 06/04/2011 10:32:38 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:47	96%	-0.055	43.590	0.000	10680.000	2275.000	2084.000	2119.000	0.839
2	22:34:55	95%	-0.024	51.430	0.000	10740.000	2280.000	2123.000	2150.000	1.026
3	22:36:03	96%	-0.032	47.330	0.000	10790.000	2307.000	2098.000	2099.000	0.798
x		96%	-0.037	47.450	0.000	10740.000	2288.000	2102.000	2123.000	0.888
σ		1%	0.016	3.924	0.000	55.470	17.450	19.690	25.810	0.122
%RSD		1	42.990	8.269	0.000	0.517	0.763	0.937	1.216	13.710

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:47	838.100	1.172	0.000	0.000	306.300	7209.000	7904.000	88%	0.037
2	22:34:55	852.100	-0.336	0.000	0.000	310.200	7377.000	8049.000	87%	0.074
3	22:36:03	861.100	-3.841	0.000	0.000	320.300	7597.000	8055.000	87%	0.074
x		850.500	-1.002	0.000	0.000	312.300	7394.000	8003.000	88%	0.062
σ		11.590	2.572	0.000	0.000	7.224	194.400	85.430	1%	0.021
%RSD		1.363	256.800	0.000	0.000	2.313	2.629	1.067	1	34.670

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:47	1.393	13.690	30.720	9.660	0.056	-0.426	9.458	0.001	0.168
2	22:34:55	0.724	13.890	31.150	7.473	0.078	-0.017	10.290	0.003	0.075
3	22:36:03	0.084	13.440	31.260	9.297	0.092	-0.582	13.070	0.015	0.085
x		0.734	13.670	31.040	8.810	0.075	-0.342	10.940	0.007	0.109
σ		0.655	0.226	0.286	1.172	0.018	0.291	1.894	0.008	0.051
%RSD		89.200	1.654	0.922	13.300	23.920	85.300	17.310	115.800	46.590

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:47	0.288	0.309	0.862	0.625	-1.107	0.167	1.267	-0.189	0.514
2	22:34:55	0.211	0.286	0.600	0.799	0.013	0.166	0.371	-0.018	1.351
3	22:36:03	0.208	0.287	0.673	0.630	1.336	0.164	0.675	1.014	-0.120
x		0.236	0.294	0.712	0.685	0.081	0.166	0.771	0.269	0.582
σ		0.045	0.013	0.135	0.099	1.223	0.001	0.455	0.651	0.738
%RSD		19.140	4.503	18.960	14.500	1513.000	0.860	59.050	241.900	126.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:47	0.108	0.004	0.043	-0.023	0.039	-0.001	88%	-2.614	0.005
2	22:34:55	0.079	0.010	0.020	0.082	-0.023	0.003	91%	0.235	-0.005
3	22:36:03	0.080	0.042	0.056	0.000	0.033	-0.001	90%	-2.208	0.005
x		0.089	0.019	0.040	0.020	0.017	0.000	90%	-1.529	0.002
σ		0.016	0.020	0.019	0.055	0.034	0.003	1%	1.541	0.006
%RSD		18.480	108.200	46.870	282.900	208.000	1807.000	1	100.800	364.400

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:47	1.231	-2.645	0.008	-0.154	-0.012	-0.035	1.612	1.925	102%
2	22:34:55	-0.145	0.200	0.010	-0.002	-0.039	-0.035	1.810	1.727	102%
3	22:36:03	1.114	-2.238	-0.003	-0.140	-0.075	-0.026	1.602	1.379	102%
x		0.733	-1.561	0.005	-0.099	-0.042	-0.032	1.674	1.677	102%
σ		0.763	1.539	0.007	0.084	0.032	0.005	0.117	0.276	0%
%RSD		104.100	98.560	142.500	85.340	75.620	16.770	6.998	16.480	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:47	100%	0.018	0.009	0.069	0.036	0.048	99%	0.256
2	22:34:55	104%	-0.003	-0.001	0.057	0.055	0.047	102%	0.247
3	22:36:03	102%	0.010	0.002	0.042	0.045	0.046	99%	0.239
x		102%	0.008	0.004	0.056	0.045	0.047	100%	0.247
σ		2%	0.010	0.005	0.014	0.010	0.001	2%	0.008
%RSD		2	126.500	137.200	24.560	21.410	2.703	2	3.379

C2339-07X25 MF4Q31 06/04/2011 10:40:34 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:43	96%	-0.047	45.040	0.000	10050.000	2076.000	1956.000	1976.000	1.041
2	22:42:51	96%	-0.040	39.560	0.000	10010.000	2102.000	1961.000	1931.000	0.844
3	22:43:59	97%	-0.040	42.960	0.000	10350.000	2139.000	1893.000	1956.000	1.019
x		96%	-0.042	42.520	0.000	10140.000	2106.000	1937.000	1955.000	0.968
σ		0%	0.004	2.769	0.000	183.600	31.600	37.760	22.870	0.108
%RSD		1	10.170	6.511	0.000	1.811	1.501	1.949	1.170	11.170

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:43	809.200	2.720	0.000	0.000	278.100	6436.000	6765.000	87%	0.003
2	22:42:51	820.800	0.432	0.000	0.000	278.800	5920.000	6773.000	87%	-0.032
3	22:43:59	803.500	0.277	0.000	0.000	278.600	6313.000	6844.000	87%	0.111
x		811.200	1.143	0.000	0.000	278.500	6223.000	6794.000	87%	0.028
σ		8.813	1.368	0.000	0.000	0.364	269.400	43.760	0%	0.074
%RSD		1.086	119.700	0.000	0.000	0.131	4.328	0.644	0	269.600

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:43	1.304	30.170	27.610	18.620	0.058	1.142	8.386	-0.005	0.058
2	22:42:51	2.013	30.750	26.400	14.070	0.067	1.355	7.197	0.011	0.067
3	22:43:59	1.343	30.040	26.870	17.440	0.028	1.223	8.147	0.008	0.059
x		1.553	30.320	26.960	16.710	0.051	1.240	7.910	0.005	0.061
σ		0.399	0.379	0.614	2.360	0.020	0.108	0.629	0.008	0.005
%RSD		25.670	1.251	2.276	14.120	40.020	8.670	7.952	176.500	8.869

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:43	0.324	0.347	1.502	0.716	0.776	0.158	0.312	0.631	0.293
2	22:42:51	0.357	0.348	1.280	0.365	-1.255	0.191	0.526	0.223	2.197
3	22:43:59	0.344	0.327	1.235	0.508	-0.473	0.156	0.856	1.059	1.321
x		0.342	0.341	1.339	0.529	-0.318	0.168	0.564	0.638	1.270
σ		0.017	0.012	0.143	0.177	1.025	0.020	0.274	0.418	0.953
%RSD		4.863	3.423	10.660	33.350	322.600	11.790	48.560	65.600	75.040

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:43	0.057	0.005	0.000	0.038	0.002	0.003	87%	-1.111	-0.002
2	22:42:51	0.044	0.005	0.031	0.014	0.032	-0.001	86%	-4.096	0.003
3	22:43:59	0.045	0.006	0.047	0.064	0.067	-0.001	85%	-1.988	0.001
x		0.049	0.005	0.026	0.039	0.034	0.000	86%	-2.398	0.001
σ		0.007	0.001	0.023	0.025	0.033	0.003	1%	1.534	0.003
%RSD		14.600	9.728	90.780	65.310	96.770	1289.000	1	63.970	465.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:43	0.505	-1.145	0.003	-0.079	-0.035	-0.025	2.185	1.752	99%
2	22:42:51	1.943	-4.117	-0.005	-0.227	-0.052	-0.028	1.528	1.810	97%
3	22:43:59	0.929	-2.020	0.003	-0.107	-0.016	-0.025	1.990	1.813	98%
x		1.126	-2.428	0.000	-0.138	-0.034	-0.026	1.901	1.792	98%
σ		0.739	1.528	0.005	0.079	0.018	0.002	0.337	0.034	1%
%RSD		65.630	62.920	2782.000	57.060	51.490	7.152	17.740	1.889	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:43	98%	0.008	0.004	0.028	0.000	0.024	95%	0.236
2	22:42:51	97%	0.028	0.006	0.031	0.026	0.021	94%	0.241
3	22:43:59	97%	0.028	0.002	0.053	0.018	0.022	93%	0.227
x		97%	0.021	0.004	0.037	0.014	0.022	94%	0.234
σ		0%	0.011	0.002	0.014	0.013	0.001	1%	0.007
%RSD		0	53.570	42.400	36.860	90.400	5.377	1	3.114

CCV 06/04/2011 10:48:29 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:37	93%	484.400	507.300	0.000	51980.000	52940.000	52190.000	52060.000	10190.000
2	22:50:45	93%	489.700	506.700	0.000	52090.000	52910.000	53090.000	52530.000	10230.000
3	22:51:53	92%	490.700	513.900	0.000	52290.000	53180.000	52910.000	53380.000	10410.000
x		93%	488.300	509.300	0.000	52120.000	53010.000	52730.000	52660.000	10280.000
σ		0%	3.399	3.965	0.000	153.800	145.200	474.000	666.200	117.600
%RSD		0	0.696	0.779	0.000	0.295	0.274	0.899	1.265	1.145
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:37	485.600	9179.000	0.000	0.000	25570.000	53460.000	50890.000	86%	492.900
2	22:50:45	489.300	9197.000	0.000	0.000	25910.000	53380.000	51400.000	86%	488.200
3	22:51:53	484.000	9123.000	0.000	0.000	25860.000	53100.000	50680.000	86%	493.100
x		486.300	9167.000	0.000	0.000	25780.000	53320.000	50990.000	86%	491.400
σ		2.695	38.610	0.000	0.000	184.600	188.100	370.700	0%	2.767
%RSD		0.554	0.421	0.000	0.000	0.716	0.353	0.727	0	0.563
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:37	483.900	492.100	32.920	25640.000	1033.000	26430.000	26430.000	468.900	466.500
2	22:50:45	481.000	483.300	25.780	25330.000	1018.000	26520.000	26180.000	466.900	461.000
3	22:51:53	483.100	488.700	27.720	25280.000	1023.000	26600.000	25910.000	471.700	471.000
x		482.700	488.000	28.810	25420.000	1025.000	26520.000	26170.000	469.200	466.200
σ		1.504	4.465	3.693	193.000	7.639	83.010	260.000	2.423	4.982
%RSD		0.312	0.915	12.820	0.759	0.746	0.313	0.993	0.517	1.069
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:37	934.200	951.300	1030.000	497.200	505.700	0.373	511.500	507.100	1.115
2	22:50:45	928.000	937.300	999.600	504.400	536.500	-0.402	520.500	509.000	-1.502
3	22:51:53	943.600	949.800	1028.000	512.100	521.200	-0.631	516.600	525.900	-0.841
x		935.300	946.200	1019.000	504.500	521.200	-0.220	516.200	514.000	-0.409
σ		7.881	7.681	17.260	7.462	15.400	0.526	4.530	10.360	1.361
%RSD		0.843	0.812	1.693	1.479	2.955	239.000	0.878	2.016	332.700
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:37	504.800	513.700	510.600	508.800	515.600	-0.001	83%	537.700	512.300
2	22:50:45	516.300	517.000	515.900	508.800	506.000	0.009	84%	524.300	511.900
3	22:51:53	515.900	516.400	511.900	515.700	511.500	0.004	84%	561.700	516.300
x		512.300	515.700	512.800	511.100	511.000	0.004	84%	541.300	513.500
σ		6.557	1.763	2.746	3.968	4.781	0.005	1%	18.940	2.435
%RSD		1.280	0.342	0.535	0.776	0.936	138.500	1	3.499	0.474
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:37	17.250	535.200	519.200	525.500	520.800	527.600	2498.000	2509.000	98%
2	22:50:45	14.900	522.500	513.000	531.400	513.900	531.400	2545.000	2537.000	96%
3	22:51:53	-2.602	559.300	518.400	545.400	524.800	532.900	2526.000	2490.000	97%
x		9.849	539.000	516.900	534.100	519.800	530.600	2523.000	2512.000	97%
σ		10.850	18.720	3.338	10.250	5.495	2.749	23.590	23.660	1%
%RSD		110.100	3.473	0.646	1.918	1.057	0.518	0.935	0.942	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:49:37	96%	505.300	499.200	502.100	515.700	507.900	90%	497.300	
2	22:50:45	96%	489.800	493.200	500.200	498.900	502.500	92%	495.500	
3	22:51:53	97%	499.600	500.800	502.900	507.500	506.800	91%	506.800	
x		96%	498.200	497.700	501.700	507.400	505.700	91%	499.900	
σ		1%	7.834	4.030	1.404	8.384	2.894	1%	6.092	
%RSD		1	1.572	0.810	0.280	1.652	0.572	1	1.219	

CCB 06/04/2011 10:56:22 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	22:57:30	98%	-0.018	12.770	0.000	3.393	1.638	1.833	1.737	0.729
2	22:58:38	96%	0.028	11.590	0.000	11.150	6.289	7.482	6.327	1.328
3	22:59:47	93%	0.031	9.277	0.000	12.020	5.982	5.817	6.562	1.391
x		96%	0.014	11.210	0.000	8.856	4.636	5.044	4.875	1.149
σ		2%	0.028	1.777	0.000	4.751	2.601	2.902	2.720	0.365
%RSD		3	199.700	15.850	0.000	53.650	56.100	57.540	55.800	31.810

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:30	-0.840	6.540	0.000	0.000	16.150	-4.287	6.304	89%	0.001
2	22:58:38	-0.681	7.978	0.000	0.000	18.910	0.837	9.925	88%	-0.033
3	22:59:47	-0.319	8.546	0.000	0.000	23.940	-0.632	9.507	87%	0.004
x		-0.613	7.688	0.000	0.000	19.670	-1.361	8.579	88%	-0.009
σ		0.267	1.034	0.000	0.000	3.950	2.638	1.981	1%	0.021
%RSD		43.500	13.450	0.000	0.000	20.090	193.900	23.100	1	228.100

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:30	-0.189	0.118	19.800	5.433	0.095	-1.039	6.570	0.013	0.056
2	22:58:38	-0.646	0.170	19.550	6.680	0.157	1.611	4.486	0.092	0.093
3	22:59:47	-0.199	0.126	19.310	10.990	0.163	1.361	3.525	0.054	0.020
x		-0.345	0.138	19.550	7.702	0.139	0.645	4.860	0.053	0.056
σ		0.261	0.028	0.241	2.918	0.038	1.463	1.557	0.039	0.036
%RSD		75.750	20.100	1.230	37.890	27.110	227.000	32.030	74.590	64.610

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:30	0.060	0.089	0.098	0.244	-0.796	0.088	-0.334	0.094	-0.477
2	22:58:38	0.095	0.121	0.236	0.050	-0.657	0.108	0.622	-0.360	2.881
3	22:59:47	0.076	0.207	0.177	0.151	-0.703	0.095	0.288	-0.011	0.665
x		0.077	0.139	0.170	0.148	-0.719	0.097	0.192	-0.092	1.023
σ		0.018	0.061	0.069	0.097	0.071	0.010	0.485	0.238	1.708
%RSD		22.910	43.720	40.700	65.540	9.867	10.410	252.600	257.900	166.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:30	0.598	0.591	0.546	0.528	0.696	-0.001	91%	-3.701	0.040
2	22:58:38	0.485	0.396	0.393	0.308	0.416	-0.001	90%	-3.425	0.063
3	22:59:47	0.523	0.279	0.376	0.274	0.335	-0.001	86%	-2.157	0.064
x		0.536	0.422	0.438	0.370	0.482	-0.001	89%	-3.094	0.056
σ		0.058	0.158	0.094	0.138	0.189	0.000	3%	0.823	0.013
%RSD		10.740	37.340	21.400	37.320	39.190	0.000	3	26.600	23.560

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:30	1.831	-3.721	0.040	-0.214	0.444	0.658	0.021	0.132	100%
2	22:58:38	1.699	-3.447	0.092	-0.146	0.347	0.556	0.168	0.323	100%
3	22:59:47	1.009	-2.187	0.062	-0.072	0.416	0.364	0.272	0.414	97%
x		1.513	-3.118	0.065	-0.144	0.403	0.526	0.154	0.290	99%
σ		0.441	0.818	0.026	0.071	0.050	0.149	0.126	0.144	2%
%RSD		29.160	26.240	40.030	49.260	12.370	28.380	82.190	49.610	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:30	100%	0.060	0.051	0.036	0.018	0.018	99%	0.046
2	22:58:38	99%	0.107	0.094	0.069	0.060	0.071	99%	0.068
3	22:59:47	98%	0.135	0.101	0.094	0.061	0.067	95%	0.064
x		99%	0.101	0.082	0.066	0.046	0.052	98%	0.059
σ		1%	0.038	0.027	0.029	0.025	0.029	2%	0.012
%RSD		1	37.390	33.040	43.270	53.060	56.580	3	19.790

C2339-08X25 MF4Q60 06/04/2011 11:04:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:23	98%	0.065	37.960	0.000	10690.000	2280.000	2125.000	2125.000	2.908
2	23:06:31	97%	0.012	40.010	0.000	10860.000	2317.000	2135.000	2093.000	2.657
3	23:07:39	97%	0.020	44.550	0.000	10600.000	2309.000	2140.000	2119.000	2.156
x		97%	0.033	40.840	0.000	10720.000	2302.000	2133.000	2112.000	2.574
σ		0%	0.028	3.373	0.000	135.500	19.860	7.307	17.210	0.382
%RSD		0	86.880	8.259	0.000	1.265	0.863	0.343	0.815	14.860
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:23	847.300	1.448	0.000	0.000	330.200	7782.000	8156.000	87%	0.110
2	23:06:31	836.500	-0.094	0.000	0.000	322.900	7621.000	8198.000	88%	0.352
3	23:07:39	831.600	0.599	0.000	0.000	312.100	7370.000	8148.000	89%	0.416
x		838.500	0.651	0.000	0.000	321.700	7591.000	8167.000	88%	0.292
σ		8.023	0.772	0.000	0.000	9.113	207.400	26.540	1%	0.162
%RSD		0.957	118.600	0.000	0.000	2.833	2.733	0.325	1	55.240
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:23	1.227	13.960	21.890	13.620	0.302	4.551	15.780	0.095	0.254
2	23:06:31	2.058	14.140	21.430	10.900	0.241	4.155	14.560	0.076	0.158
3	23:07:39	1.643	13.900	21.820	10.440	0.212	3.626	15.260	0.064	0.176
x		1.643	14.000	21.720	11.650	0.251	4.111	15.200	0.078	0.196
σ		0.415	0.122	0.249	1.713	0.046	0.464	0.614	0.016	0.051
%RSD		25.290	0.872	1.144	14.700	18.270	11.280	4.043	19.950	25.990
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:23	0.849	1.012	2.670	0.333	-0.546	0.142	0.439	0.272	1.439
2	23:06:31	0.766	0.977	2.603	0.781	1.413	0.081	-0.074	0.497	0.475
3	23:07:39	0.876	0.922	2.501	0.332	0.228	0.116	1.018	0.560	-0.091
x		0.830	0.970	2.591	0.482	0.365	0.113	0.461	0.443	0.608
σ		0.057	0.045	0.085	0.259	0.987	0.031	0.546	0.151	0.773
%RSD		6.866	4.663	3.273	53.810	270.500	27.040	118.500	34.180	127.300
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:23	0.293	0.237	0.274	0.144	0.289	0.008	89%	-0.808	0.056
2	23:06:31	0.172	0.119	0.150	0.214	0.212	-0.001	90%	-1.220	0.048
3	23:07:39	0.202	0.193	0.204	0.182	0.126	-0.001	88%	0.546	0.027
x		0.222	0.183	0.210	0.180	0.209	0.002	89%	-0.494	0.044
σ		0.063	0.060	0.062	0.035	0.082	0.006	1%	0.924	0.015
%RSD		28.220	32.540	29.800	19.470	39.170	311.100	1	187.100	33.700
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:23	0.440	-0.842	0.064	0.088	0.200	0.191	2.534	2.577	101%
2	23:06:31	0.798	-1.251	0.031	0.035	0.186	0.141	2.420	2.215	101%
3	23:07:39	-0.296	0.511	0.039	0.135	0.104	0.164	2.497	2.095	98%
x		0.314	-0.527	0.045	0.086	0.163	0.165	2.484	2.296	100%
σ		0.558	0.922	0.018	0.050	0.052	0.025	0.058	0.251	2%
%RSD		177.600	174.900	39.300	58.460	31.790	15.200	2.342	10.940	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:05:23	100%	0.142	0.154	0.242	0.197	0.237	97%	0.362	
2	23:06:31	100%	0.097	0.096	0.236	0.237	0.221	99%	0.358	
3	23:07:39	100%	0.078	0.075	0.207	0.177	0.198	97%	0.324	
x		100%	0.106	0.108	0.228	0.204	0.219	98%	0.348	
σ		0%	0.033	0.041	0.019	0.031	0.020	1%	0.021	
%RSD		0	31.380	37.700	8.157	15.010	9.118	1	6.033	

C2339-13 MF4Q17 06/04/2011 11:12:08 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	23:13:17	88%	0.038	1014.000	0.000	308800.000	60370.000	60600.000	60520.000	19.840
2	23:14:25	88%	-0.003	1033.000	0.000	310300.000	61850.000	60800.000	60300.000	21.590
3	23:15:33	88%	0.013	1049.000	0.000	315400.000	62940.000	62230.000	60780.000	20.390
x		88%	0.016	1032.000	0.000	311500.000	61720.000	61210.000	60530.000	20.610
σ		0%	0.021	17.880	0.000	3442.000	1290.000	887.300	241.400	0.896
%RSD		0	130.500	1.732	0.000	1.105	2.091	1.449	0.399	4.345

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:17	22990.000	30.720	0.000	0.000	5824.000	165900.000	205600.000	78%	2.081
2	23:14:25	23350.000	67.130	0.000	0.000	5960.000	169600.000	207500.000	77%	1.628
3	23:15:33	23520.000	47.190	0.000	0.000	6031.000	167700.000	205600.000	78%	2.165
x		23290.000	48.350	0.000	0.000	5938.000	167700.000	206200.000	77%	1.958
σ		270.600	18.230	0.000	0.000	105.100	1846.000	1108.000	1%	0.289
%RSD		1.162	37.710	0.000	0.000	1.770	1.101	0.537	1	14.740

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:17	49.110	709.700	148.600	314.800	3.521	17.560	231.200	0.402	2.678
2	23:14:25	49.240	722.700	153.900	312.300	3.379	16.360	222.500	0.292	2.418
3	23:15:33	49.230	725.600	161.500	311.500	3.610	15.380	209.400	0.330	2.338
x		49.190	719.300	154.700	312.800	3.503	16.430	221.000	0.342	2.478
σ		0.075	8.484	6.452	1.716	0.117	1.092	10.990	0.056	0.178
%RSD		0.153	1.179	4.171	0.549	3.325	6.643	4.971	16.370	7.180

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:17	89.790	92.330	61.360	12.830	16.870	0.556	10.120	15.810	-0.035
2	23:14:25	88.280	90.480	60.030	13.320	13.390	0.583	9.798	16.960	2.528
3	23:15:33	89.540	90.420	59.530	13.950	17.500	0.601	10.170	17.890	1.752
x		89.200	91.080	60.300	13.360	15.920	0.580	10.030	16.890	1.415
σ		0.809	1.084	0.948	0.562	2.215	0.023	0.203	1.040	1.314
%RSD		0.907	1.190	1.573	4.209	13.920	3.902	2.022	6.158	92.890

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:17	2.653	2.500	2.412	2.574	2.606	-0.001	75%	-1.083	0.064
2	23:14:25	2.214	2.321	2.263	2.404	1.938	-0.001	74%	1.152	0.035
3	23:15:33	0.697	2.414	2.152	2.131	2.344	-0.001	75%	-0.804	0.020
x		1.854	2.412	2.276	2.370	2.296	-0.001	74%	-0.245	0.039
σ		1.026	0.089	0.131	0.223	0.336	0.000	0%	1.218	0.022
%RSD		55.360	3.710	5.739	9.418	14.640	0.000	0	497.400	55.920

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:17	0.594	-1.130	0.039	0.010	0.334	0.170	41.500	42.500	90%
2	23:14:25	-0.480	1.093	0.055	0.087	0.312	0.182	39.070	41.090	90%
3	23:15:33	0.460	-0.854	0.033	0.001	0.221	0.141	40.470	41.750	90%
x		0.191	-0.297	0.042	0.032	0.289	0.164	40.350	41.780	90%
σ		0.586	1.211	0.011	0.047	0.060	0.021	1.217	0.709	0%
%RSD		305.900	407.700	26.780	145.700	20.740	12.930	3.016	1.696	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:13:17	90%	0.091	0.083	2.204	2.257	2.223	84%	7.991
2	23:14:25	91%	0.065	0.056	2.163	2.010	2.122	84%	8.128
3	23:15:33	90%	0.048	0.052	2.343	2.116	2.261	84%	8.306
x		90%	0.068	0.064	2.237	2.128	2.202	84%	8.142
σ		1%	0.021	0.017	0.094	0.124	0.072	0%	0.158
%RSD		1	31.530	26.390	4.209	5.820	3.249	0	1.941

C2339-10 MF4Q22 06/04/2011 11:20:02 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	23:21:10	93%	0.000	545.500	0.000	208600.000	54500.000	54380.000	54620.000	0.934
2	23:22:18	94%	-0.054	555.200	0.000	210700.000	54460.000	54760.000	53730.000	-0.196
3	23:23:26	91%	0.002	534.700	0.000	212200.000	53310.000	53980.000	54250.000	1.150
x		93%	-0.017	545.100	0.000	210500.000	54090.000	54370.000	54200.000	0.629
σ		2%	0.032	10.280	0.000	1803.000	678.300	388.000	448.700	0.723
%RSD		2	187.400	1.887	0.000	0.856	1.254	0.714	0.828	114.800

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:10	20910.000	-1.475	0.000	0.000	6155.000	134300.000	164200.000	83%	1.598
2	23:22:18	21030.000	2.167	0.000	0.000	6324.000	134900.000	164400.000	83%	1.712
3	23:23:26	20950.000	-25.890	0.000	0.000	6132.000	134700.000	164800.000	83%	1.542
x		20960.000	-8.399	0.000	0.000	6203.000	134600.000	164500.000	83%	1.617
σ		64.090	15.260	0.000	0.000	104.700	330.000	266.700	0%	0.087
%RSD		0.306	181.600	0.000	0.000	1.688	0.245	0.162	1	5.356

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:10	39.100	48.780	146.000	18.790	0.657	2.465	169.700	0.251	2.596
2	23:22:18	37.960	49.130	155.600	18.990	0.700	2.798	168.700	0.296	2.623
3	23:23:26	37.500	49.010	160.200	17.480	0.699	2.464	162.700	0.314	2.485
x		38.190	48.970	153.900	18.420	0.685	2.575	167.100	0.287	2.568
σ		0.828	0.182	7.220	0.821	0.025	0.192	3.790	0.032	0.073
%RSD		2.169	0.372	4.690	4.456	3.603	7.469	2.269	11.270	2.855

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:10	1.460	1.397	6.785	8.050	8.274	0.739	9.409	15.620	2.271
2	23:22:18	1.498	1.561	7.309	8.202	11.130	0.736	9.892	15.390	3.306
3	23:23:26	1.403	1.464	6.894	8.960	26.850	0.680	9.769	13.480	1.685
x		1.454	1.474	6.996	8.404	15.420	0.719	9.690	14.830	2.421
σ		0.048	0.083	0.276	0.487	10.000	0.033	0.251	1.173	0.821
%RSD		3.303	5.599	3.949	5.799	64.860	4.657	2.590	7.908	33.910

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:10	1.350	1.685	1.376	1.877	1.616	-0.001	81%	-2.596	0.028
2	23:22:18	1.504	1.765	1.697	1.850	1.721	0.004	80%	-2.829	0.020
3	23:23:26	1.587	1.587	1.571	1.769	1.663	-0.001	80%	-3.479	0.023
x		1.481	1.679	1.548	1.832	1.667	0.000	80%	-2.968	0.024
σ		0.120	0.089	0.162	0.056	0.053	0.003	1%	0.458	0.004
%RSD		8.133	5.314	10.440	3.069	3.156	873.200	1	15.430	16.470

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:10	1.225	-2.632	0.038	-0.095	0.052	0.067	53.610	50.970	96%
2	23:22:18	1.517	-2.868	0.047	-0.153	-0.016	0.071	52.520	51.680	97%
3	23:23:26	1.652	-3.516	0.030	-0.180	-0.025	0.051	52.070	50.740	97%
x		1.464	-3.005	0.038	-0.143	0.004	0.063	52.730	51.130	97%
σ		0.218	0.457	0.008	0.044	0.042	0.011	0.788	0.487	1%
%RSD		14.910	15.220	22.170	30.550	1159.000	16.850	1.494	0.953	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:10	96%	0.056	0.054	0.088	0.083	0.082	93%	7.692
2	23:22:18	97%	0.030	0.035	0.118	0.066	0.102	92%	7.844
3	23:23:26	97%	0.035	0.023	0.091	0.080	0.083	92%	7.881
x		97%	0.040	0.037	0.099	0.076	0.089	92%	7.806
σ		0%	0.014	0.016	0.016	0.009	0.011	0%	0.100
%RSD		1	34.400	41.940	16.570	11.950	12.230	0	1.284

C2339-11 MF4Q22D 06/04/2011 11:27:56 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	23:29:04	93%	-0.023	564.000	0.000	214200.000	54810.000	54300.000	54370.000	0.760
2	23:30:12	95%	-0.032	546.400	0.000	216000.000	55840.000	56170.000	55610.000	1.670
3	23:31:20	96%	-0.001	571.500	0.000	214200.000	55800.000	54730.000	54730.000	1.192
x		95%	-0.019	560.600	0.000	214800.000	55480.000	55070.000	54900.000	1.207
σ		1%	0.016	12.900	0.000	1027.000	584.300	977.600	641.400	0.455
%RSD		1	84.090	2.301	0.000	0.478	1.053	1.775	1.168	37.690
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:04	21030.000	-1.547	0.000	0.000	6222.000	134300.000	164300.000	84%	1.446
2	23:30:12	21500.000	34.720	0.000	0.000	6461.000	138700.000	167500.000	82%	1.324
3	23:31:20	21350.000	40.150	0.000	0.000	6286.000	133500.000	165700.000	84%	1.725
x		21290.000	24.440	0.000	0.000	6323.000	135500.000	165800.000	83%	1.498
σ		234.900	22.670	0.000	0.000	123.900	2803.000	1626.000	1%	0.206
%RSD		1.103	92.750	0.000	0.000	1.960	2.069	0.981	1	13.720
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:04	37.250	48.310	150.400	19.730	0.159	1.707	165.000	0.314	2.719
2	23:30:12	39.230	49.200	162.400	19.320	0.147	2.598	169.100	0.354	2.776
3	23:31:20	38.850	48.710	162.700	16.770	0.105	3.022	172.200	0.321	2.726
x		38.440	48.740	158.500	18.600	0.137	2.442	168.700	0.330	2.740
σ		1.052	0.444	6.995	1.606	0.028	0.671	3.599	0.022	0.031
%RSD		2.736	0.911	4.414	8.631	20.690	27.470	2.133	6.551	1.124
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:04	1.510	1.519	4.679	9.161	15.000	0.623	10.650	18.410	1.933
2	23:30:12	1.363	1.495	5.054	8.667	9.043	0.814	9.876	15.560	3.296
3	23:31:20	1.482	1.258	4.927	9.554	15.130	0.613	11.090	16.420	0.901
x		1.452	1.424	4.887	9.128	13.060	0.683	10.540	16.800	2.043
σ		0.078	0.144	0.191	0.445	3.479	0.113	0.615	1.458	1.201
%RSD		5.370	10.110	3.903	4.870	26.640	16.580	5.838	8.679	58.780
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:04	1.610	1.804	1.511	1.549	1.585	0.004	81%	-0.315	0.036
2	23:30:12	1.683	1.439	1.630	1.706	1.604	-0.001	81%	-0.732	0.023
3	23:31:20	1.814	1.488	1.572	1.774	1.662	-0.001	81%	-1.700	0.025
x		1.702	1.577	1.571	1.676	1.617	0.000	81%	-0.916	0.028
σ		0.104	0.198	0.059	0.115	0.040	0.003	0%	0.711	0.007
%RSD		6.086	12.570	3.787	6.862	2.485	897.700	0	77.570	25.400
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:04	0.131	-0.372	0.026	-0.013	0.005	0.043	51.070	52.850	100%
2	23:30:12	0.330	-0.782	0.015	-0.036	-0.012	0.036	52.720	54.280	98%
3	23:31:20	0.973	-1.747	0.004	-0.136	-0.031	0.069	50.530	51.440	100%
x		0.478	-0.967	0.015	-0.062	-0.013	0.049	51.440	52.860	99%
σ		0.440	0.706	0.011	0.065	0.018	0.017	1.139	1.421	1%
%RSD		92.050	73.030	75.550	105.200	143.300	35.040	2.213	2.688	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:29:04	100%	0.008	0.017	0.042	0.056	0.053	94%	7.963	
2	23:30:12	99%	0.017	0.012	0.063	0.026	0.051	94%	7.798	
3	23:31:20	98%	0.007	0.006	0.037	0.038	0.040	91%	8.226	
x		99%	0.011	0.012	0.047	0.040	0.048	93%	7.996	
σ		1%	0.005	0.005	0.014	0.016	0.007	1%	0.216	
%RSD		1	51.790	45.090	28.820	38.680	15.060	2	2.698	

C2339-12 MF4Q22S 06/04/2011 11:35:51 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	23:36:59	99%	46.070	551.500	0.000	204300.000	52450.000	52590.000	53670.000	1953.000
2	23:38:07	101%	46.790	553.500	0.000	208500.000	53330.000	52700.000	52600.000	1916.000
3	23:39:15	102%	45.650	551.300	0.000	206400.000	53370.000	52850.000	52440.000	1930.000
x		100%	46.170	552.100	0.000	206400.000	53050.000	52710.000	52900.000	1933.000
σ		2%	0.578	1.245	0.000	2061.000	521.200	130.700	670.700	18.350
%RSD		2	1.252	0.226	0.000	0.998	0.982	0.248	1.268	0.949

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:59	21140.000	28.610	0.000	0.000	6112.000	133000.000	159500.000	87%	1.713
2	23:38:07	20600.000	39.110	0.000	0.000	6119.000	135400.000	161800.000	85%	1.458
3	23:39:15	20830.000	52.090	0.000	0.000	6094.000	130600.000	159900.000	87%	1.386
x		20860.000	39.940	0.000	0.000	6108.000	133000.000	160400.000	86%	1.519
σ		272.700	11.760	0.000	0.000	12.940	2396.000	1248.000	1%	0.172
%RSD		1.307	29.450	0.000	0.000	0.212	1.802	0.778	1	11.310

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:59	494.200	232.400	187.700	1012.000	481.700	951.100	1128.000	446.100	438.300
2	23:38:07	493.100	233.800	208.600	1053.000	489.300	963.000	1160.000	453.200	451.800
3	23:39:15	496.300	237.200	204.400	1045.000	485.900	930.100	1123.000	453.700	447.900
x		494.500	234.500	200.200	1037.000	485.600	948.100	1137.000	451.000	446.000
σ		1.605	2.478	11.040	21.970	3.787	16.680	19.830	4.249	6.935
%RSD		0.325	1.057	5.513	2.119	0.780	1.760	1.744	0.942	1.555

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:59	221.800	220.000	486.500	48.850	26.460	0.826	18.590	26.840	0.231
2	23:38:07	221.100	230.400	501.400	49.420	22.080	0.818	20.680	27.370	-0.391
3	23:39:15	225.700	228.800	495.300	50.300	26.600	0.803	20.210	27.710	3.843
x		222.900	226.400	494.400	49.520	25.050	0.816	19.830	27.310	1.228
σ		2.442	5.602	7.493	0.729	2.572	0.011	1.098	0.439	2.286
%RSD		1.096	2.475	1.515	1.471	10.270	1.384	5.537	1.608	186.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:59	1.678	1.852	1.549	1.890	1.679	0.004	80%	50.490	46.480
2	23:38:07	1.918	1.605	1.866	1.766	1.644	0.009	80%	53.480	48.840
3	23:39:15	1.970	1.856	1.656	1.671	1.605	0.004	80%	53.450	47.720
x		1.856	1.771	1.691	1.776	1.643	0.006	80%	52.470	47.680
σ		0.156	0.144	0.161	0.110	0.037	0.003	0%	1.718	1.178
%RSD		8.391	8.129	9.544	6.182	2.249	54.370	0	3.274	2.471

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:59	0.750	50.210	47.230	51.620	0.016	104.200	1986.000	1977.000	95%
2	23:38:07	1.697	53.180	46.780	50.650	0.003	105.000	2001.000	1985.000	95%
3	23:39:15	3.487	53.120	47.250	52.690	0.002	106.000	1993.000	1984.000	97%
x		1.978	52.170	47.080	51.650	0.007	105.100	1994.000	1982.000	96%
σ		1.390	1.701	0.263	1.020	0.008	0.907	7.572	4.390	1%
%RSD		70.270	3.260	0.558	1.974	111.500	0.863	0.380	0.222	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:59	97%	45.570	46.370	20.550	19.270	19.580	91%	7.768
2	23:38:07	94%	47.820	48.310	21.200	19.490	19.970	88%	7.921
3	23:39:15	97%	48.020	48.580	21.000	18.830	19.840	90%	7.911
x		96%	47.140	47.750	20.920	19.200	19.800	90%	7.867
σ		1%	1.360	1.202	0.335	0.338	0.202	1%	0.086
%RSD		2	2.885	2.517	1.603	1.760	1.018	2	1.089

C2339-10LX5 MF4Q22L 06/04/2011 11:43:46 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	23:44:54	106%	-0.029	125.800	0.000	42000.000	11340.000	11060.000	10200.000	0.827
2	23:46:02	106%	-0.042	125.000	0.000	42730.000	11090.000	11200.000	10260.000	0.731
3	23:47:10	106%	-0.035	120.600	0.000	42970.000	11180.000	11240.000	10490.000	0.758
x		106%	-0.035	123.800	0.000	42570.000	11200.000	11170.000	10310.000	0.772
σ		0%	0.007	2.800	0.000	506.700	124.300	94.480	152.100	0.049
%RSD		0	19.480	2.262	0.000	1.190	1.110	0.846	1.474	6.409

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:54	4118.000	-6.779	0.000	0.000	1191.000	27790.000	30110.000	93%	0.497
2	23:46:02	4017.000	-4.484	0.000	0.000	1198.000	28090.000	30890.000	91%	0.304
3	23:47:10	4161.000	-0.075	0.000	0.000	1220.000	27580.000	31150.000	90%	0.206
x		4099.000	-3.780	0.000	0.000	1203.000	27820.000	30720.000	91%	0.336
σ		74.150	3.407	0.000	0.000	15.380	253.100	542.400	1%	0.148
%RSD		1.809	90.150	0.000	0.000	1.278	0.910	1.766	2	44.050

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:54	7.138	10.270	69.760	2.236	0.120	-1.923	37.970	0.114	0.640
2	23:46:02	7.740	10.270	69.210	4.459	0.149	-1.344	36.870	0.120	0.642
3	23:47:10	7.288	10.110	68.430	6.788	0.112	-0.626	35.760	0.067	0.586
x		7.389	10.220	69.130	4.495	0.127	-1.298	36.860	0.101	0.623
σ		0.313	0.094	0.671	2.276	0.019	0.650	1.107	0.029	0.032
%RSD		4.241	0.923	0.971	50.640	15.290	50.060	3.004	28.840	5.095

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:54	0.295	0.398	1.768	1.789	1.909	0.358	2.259	2.796	-0.572
2	23:46:02	0.286	0.239	1.859	2.084	4.803	0.316	2.278	3.233	0.087
3	23:47:10	0.297	0.327	2.176	1.778	4.564	0.327	1.095	3.211	1.943
x		0.293	0.321	1.935	1.884	3.759	0.334	1.877	3.080	0.486
σ		0.006	0.080	0.214	0.174	1.606	0.022	0.678	0.247	1.304
%RSD		2.114	24.910	11.060	9.217	42.730	6.573	36.100	8.003	268.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:54	0.306	0.265	0.327	0.277	0.255	-0.001	92%	-0.084	0.004
2	23:46:02	0.389	0.315	0.318	0.387	0.283	0.003	90%	0.018	-0.007
3	23:47:10	0.302	0.334	0.271	0.213	0.299	-0.001	90%	-1.853	0.007
x		0.333	0.305	0.305	0.292	0.279	0.000	91%	-0.640	0.001
σ		0.049	0.036	0.030	0.088	0.022	0.003	1%	1.052	0.008
%RSD		14.810	11.700	9.821	30.100	8.003	1780.000	1	164.400	572.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:54	0.088	-0.119	0.009	-0.019	-0.031	0.070	10.240	10.780	104%
2	23:46:02	0.124	-0.029	-0.001	-0.024	-0.055	0.043	10.880	10.510	107%
3	23:47:10	0.866	-1.890	-0.006	-0.091	-0.042	0.005	9.494	10.200	105%
x		0.359	-0.679	0.001	-0.045	-0.043	0.039	10.200	10.500	105%
σ		0.439	1.050	0.008	0.040	0.012	0.033	0.692	0.290	2%
%RSD		122.300	154.500	692.700	89.250	27.980	83.500	6.778	2.760	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:54	104%	0.202	0.224	0.021	0.018	0.024	99%	1.509
2	23:46:02	105%	0.129	0.151	0.041	0.033	0.027	100%	1.555
3	23:47:10	106%	0.133	0.126	0.053	0.002	0.027	100%	1.556
x		105%	0.155	0.167	0.038	0.018	0.026	100%	1.540
σ		1%	0.041	0.051	0.016	0.016	0.002	1%	0.027
%RSD		1	26.420	30.490	42.100	89.600	6.793	1	1.747

C2339-10X25 MF4Q22 06/04/2011 11:51:40 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	23:52:48	112%	-0.044	31.990	0.000	8479.000	2217.000	2010.000	2038.000	0.928
2	23:53:56	110%	-0.037	31.530	0.000	8657.000	2267.000	2075.000	2095.000	1.074
3	23:55:04	108%	-0.023	35.460	0.000	8774.000	2292.000	2105.000	2109.000	1.381
x		110%	-0.034	32.990	0.000	8636.000	2259.000	2063.000	2081.000	1.127
σ		2%	0.011	2.145	0.000	148.600	38.090	48.290	37.450	0.232
%RSD		2	31.220	6.502	0.000	1.720	1.686	2.340	1.800	20.530

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:48	815.200	-6.559	0.000	0.000	240.800	5667.000	6161.000	96%	0.058
2	23:53:56	833.900	-3.251	0.000	0.000	249.000	5720.000	6320.000	94%	0.062
3	23:55:04	839.100	-4.423	0.000	0.000	250.300	5795.000	6323.000	94%	0.126
x		829.400	-4.744	0.000	0.000	246.700	5727.000	6268.000	95%	0.082
σ		12.600	1.677	0.000	0.000	5.150	64.140	92.480	1%	0.038
%RSD		1.519	35.350	0.000	0.000	2.088	1.120	1.475	1	46.800

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:48	0.492	2.067	39.600	3.406	0.208	-1.594	8.148	0.052	0.153
2	23:53:56	0.374	2.374	39.230	2.933	0.224	-0.089	8.620	0.105	0.192
3	23:55:04	0.410	2.245	38.580	2.277	0.221	0.391	8.043	0.108	0.295
x		0.425	2.229	39.140	2.872	0.218	-0.431	8.270	0.088	0.213
σ		0.061	0.154	0.517	0.567	0.009	1.036	0.307	0.032	0.073
%RSD		14.330	6.906	1.321	19.730	3.910	240.400	3.715	35.930	34.360

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:48	0.094	0.130	1.275	0.864	2.072	0.164	-0.056	0.560	1.572
2	23:53:56	0.079	0.075	1.368	0.641	1.138	0.185	-0.056	0.353	0.497
3	23:55:04	0.125	0.096	1.272	0.391	2.528	0.225	0.200	0.564	1.317
x		0.099	0.100	1.305	0.632	1.913	0.191	0.030	0.492	1.129
σ		0.023	0.028	0.055	0.237	0.709	0.031	0.148	0.121	0.561
%RSD		23.540	27.940	4.190	37.440	37.060	16.120	500.200	24.510	49.740

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:48	0.110	0.044	0.037	0.021	0.042	-0.001	95%	-1.840	0.006
2	23:53:56	0.086	0.060	0.024	0.055	0.065	-0.001	94%	-2.023	0.015
3	23:55:04	0.036	0.037	0.057	0.043	0.056	-0.001	95%	-1.266	0.004
x		0.077	0.047	0.039	0.039	0.054	-0.001	95%	-1.710	0.008
σ		0.038	0.012	0.017	0.017	0.012	0.000	0%	0.395	0.006
%RSD		48.890	24.890	42.800	44.190	21.270	0.000	0	23.090	73.540

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:48	0.931	-1.868	0.006	-0.099	-0.018	-0.009	2.190	2.191	106%
2	23:53:56	0.943	-2.050	0.024	-0.090	-0.049	-0.014	2.453	2.147	105%
3	23:55:04	0.575	-1.290	0.023	-0.036	-0.025	0.000	2.907	2.752	103%
x		0.816	-1.736	0.018	-0.075	-0.031	-0.008	2.517	2.363	105%
σ		0.209	0.397	0.010	0.034	0.016	0.007	0.363	0.338	1%
%RSD		25.600	22.880	56.020	45.210	52.400	95.680	14.430	14.280	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:48	105%	0.065	0.059	0.031	0.028	0.021	100%	0.316
2	23:53:56	106%	0.078	0.057	0.033	0.028	0.023	100%	0.285
3	23:55:04	102%	0.055	0.058	0.030	0.007	0.024	101%	0.301
x		104%	0.066	0.058	0.032	0.021	0.023	100%	0.301
σ		2%	0.011	0.001	0.002	0.012	0.002	1%	0.016
%RSD		2	17.140	1.344	5.084	58.940	6.779	1	5.206

C2339-11X25 MF4Q22D 06/04/2011 11:59:35 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	00:00:43	112%	-0.024	30.210	0.000	8789.000	2284.000	2082.000	2074.000	1.513
2	00:01:51	111%	-0.017	30.240	0.000	8855.000	2289.000	2092.000	2111.000	1.816
3	00:02:59	110%	-0.037	31.470	0.000	9037.000	2326.000	2136.000	2130.000	1.509
x		111%	-0.026	30.640	0.000	8894.000	2300.000	2103.000	2105.000	1.613
σ		1%	0.010	0.722	0.000	128.500	22.910	28.850	28.520	0.176
%RSD		1	37.680	2.355	0.000	1.445	0.996	1.372	1.355	10.930

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:43	820.500	0.548	0.000	0.000	253.100	5554.000	6301.000	93%	-0.004
2	00:01:51	840.600	-1.826	0.000	0.000	260.100	5840.000	6407.000	95%	0.125
3	00:02:59	848.000	-1.228	0.000	0.000	262.500	5736.000	6302.000	94%	0.094
x		836.300	-0.835	0.000	0.000	258.600	5710.000	6337.000	94%	0.072
σ		14.240	1.235	0.000	0.000	4.900	145.000	60.660	1%	0.067
%RSD		1.702	147.900	0.000	0.000	1.895	2.540	0.957	1	93.550

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:43	0.756	2.279	32.380	3.225	0.121	1.154	8.173	0.051	0.193
2	00:01:51	0.043	2.248	33.080	1.718	0.154	1.115	11.460	0.062	0.297
3	00:02:59	1.146	2.315	31.710	3.013	0.079	1.507	10.910	0.034	0.217
x		0.648	2.281	32.390	2.652	0.118	1.258	10.180	0.049	0.236
σ		0.559	0.033	0.683	0.816	0.038	0.216	1.761	0.014	0.054
%RSD		86.270	1.465	2.108	30.760	31.860	17.150	17.300	28.810	23.050

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:43	0.040	0.128	0.857	0.430	-1.718	0.202	0.483	0.468	0.259
2	00:01:51	0.105	0.134	0.928	0.495	1.420	0.164	0.318	0.472	-0.589
3	00:02:59	0.075	0.169	0.778	0.633	0.324	0.133	0.335	1.752	-0.388
x		0.073	0.144	0.854	0.519	0.009	0.166	0.379	0.897	-0.239
σ		0.032	0.022	0.075	0.104	1.592	0.034	0.091	0.740	0.443
%RSD		44.360	15.650	8.745	20.010	18130.000	20.670	24.010	82.510	185.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:43	0.101	0.016	0.025	0.010	0.071	0.003	93%	-1.347	0.011
2	00:01:51	0.141	0.032	0.068	0.092	0.055	-0.001	91%	-0.404	-0.000
3	00:02:59	0.036	0.037	0.023	0.043	0.047	-0.001	95%	-2.057	0.015
x		0.093	0.028	0.039	0.049	0.058	0.000	93%	-1.270	0.009
σ		0.053	0.011	0.025	0.041	0.012	0.003	2%	0.829	0.008
%RSD		57.110	38.100	65.360	84.760	21.560	2321.000	2	65.330	93.030

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:43	0.617	-1.377	0.022	-0.061	-0.040	-0.002	2.327	2.105	104%
2	00:01:51	0.167	-0.446	0.020	0.002	-0.031	-0.008	2.637	2.350	106%
3	00:02:59	1.034	-2.081	0.001	-0.081	-0.025	-0.015	2.441	2.418	104%
x		0.606	-1.301	0.014	-0.047	-0.032	-0.008	2.468	2.291	105%
σ		0.434	0.820	0.011	0.043	0.007	0.006	0.157	0.164	1%
%RSD		71.560	63.060	78.200	92.480	22.770	75.330	6.354	7.171	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:43	103%	0.024	0.050	0.024	0.008	0.015	98%	0.306
2	00:01:51	105%	0.040	0.048	0.026	0.026	0.021	99%	0.298
3	00:02:59	103%	0.043	0.035	0.026	0.017	0.021	100%	0.300
x		104%	0.036	0.044	0.025	0.017	0.019	99%	0.301
σ		1%	0.010	0.008	0.001	0.009	0.003	1%	0.004
%RSD		1	29.140	18.380	4.949	54.280	18.580	1	1.349

C2339-12X25 MF4Q22S 06/05/2011 12:07:31 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	00:08:39	114%	1.789	25.550	0.000	8570.000	2228.000	2071.000	2018.000	75.250
2	00:09:47	114%	2.057	27.940	0.000	8515.000	2251.000	2037.000	2063.000	77.390
3	00:10:54	112%	1.816	26.980	0.000	8671.000	2303.000	2070.000	2088.000	77.580
x		113%	1.887	26.820	0.000	8585.000	2260.000	2059.000	2056.000	76.740
σ		1%	0.148	1.204	0.000	79.070	38.560	19.690	35.140	1.296
%RSD		1	7.835	4.489	0.000	0.921	1.706	0.956	1.709	1.688

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:39	810.100	-2.084	0.000	0.000	241.700	5734.000	6076.000	96%	-0.007
2	00:09:47	796.400	-2.879	0.000	0.000	242.400	5570.000	6182.000	98%	0.055
3	00:10:54	818.900	-4.768	0.000	0.000	249.700	5495.000	6185.000	97%	0.025
x		808.500	-3.244	0.000	0.000	244.600	5599.000	6148.000	97%	0.024
σ		11.340	1.379	0.000	0.000	4.430	122.100	62.030	1%	0.031
%RSD		1.403	42.510	0.000	0.000	1.811	2.181	1.009	1	127.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:39	20.410	10.170	28.680	47.590	20.430	40.250	48.790	19.120	20.300
2	00:09:47	19.960	9.904	28.930	43.490	20.500	39.460	51.430	18.950	20.430
3	00:10:54	19.750	9.959	29.110	47.550	20.770	40.410	52.330	18.960	19.850
x		20.040	10.010	28.910	46.210	20.570	40.040	50.850	19.010	20.190
σ		0.336	0.142	0.218	2.355	0.177	0.511	1.842	0.092	0.305
%RSD		1.678	1.421	0.752	5.096	0.863	1.275	3.624	0.484	1.509

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:39	10.190	10.060	21.100	2.195	2.427	0.115	1.381	0.917	2.038
2	00:09:47	9.469	10.120	20.280	1.732	-0.112	0.154	0.009	0.747	-0.542
3	00:10:54	9.822	9.362	20.260	2.231	1.099	0.120	0.504	1.426	-0.255
x		9.826	9.849	20.550	2.053	1.138	0.130	0.631	1.030	0.414
σ		0.359	0.423	0.480	0.278	1.270	0.021	0.695	0.353	1.414
%RSD		3.654	4.293	2.334	13.540	111.600	16.450	110.100	34.310	341.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:39	0.058	0.028	0.028	0.020	0.015	-0.001	97%	3.333	1.970
2	00:09:47	0.081	0.069	0.008	0.030	0.005	-0.001	98%	0.615	1.939
3	00:10:54	0.153	0.062	0.054	0.095	0.044	-0.001	98%	3.045	1.956
x		0.097	0.053	0.030	0.048	0.021	-0.001	98%	2.331	1.955
σ		0.049	0.022	0.023	0.041	0.020	0.000	1%	1.493	0.016
%RSD		50.600	41.490	77.000	85.070	94.850	0.000	1	64.060	0.811

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:39	-0.371	3.288	2.054	2.219	-0.066	4.055	80.720	82.580	109%
2	00:09:47	0.552	0.587	1.879	2.379	-0.025	4.213	79.940	82.310	107%
3	00:10:54	-0.546	3.004	1.958	2.190	-0.048	4.243	80.310	81.290	110%
x		-0.122	2.293	1.963	2.263	-0.046	4.170	80.320	82.060	109%
σ		0.590	1.484	0.088	0.102	0.021	0.101	0.388	0.679	1%
%RSD		484.300	64.720	4.460	4.491	45.130	2.418	0.483	0.828	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:39	109%	2.019	1.889	0.837	0.775	0.814	105%	0.280
2	00:09:47	107%	2.033	1.981	0.882	0.757	0.793	105%	0.305
3	00:10:54	109%	1.986	2.015	0.856	0.772	0.823	105%	0.303
x		108%	2.013	1.962	0.858	0.768	0.810	105%	0.296
σ		1%	0.024	0.065	0.023	0.010	0.015	0%	0.014
%RSD		1	1.204	3.332	2.659	1.239	1.888	0	4.621

C2339-10LX125 MF4Q22L 06/05/2011 12:15:27 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	00:16:35	113%	-0.051	9.007	0.000	1607.000	418.400	401.300	412.500	3.561
2	00:17:43	114%	-0.038	8.297	0.000	1580.000	413.300	402.900	414.000	3.581
3	00:18:50	112%	-0.037	8.649	0.000	1649.000	428.500	418.500	418.600	3.558
x		113%	-0.042	8.651	0.000	1612.000	420.100	407.600	415.000	3.567
σ		1%	0.007	0.355	0.000	34.750	7.745	9.483	3.163	0.012
%RSD		1	17.780	4.103	0.000	2.156	1.844	2.327	0.762	0.347

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:35	160.500	-2.370	0.000	0.000	55.150	1098.000	1223.000	97%	-0.039
2	00:17:43	161.600	-1.127	0.000	0.000	53.320	1184.000	1228.000	97%	-0.007
3	00:18:50	165.100	-3.332	0.000	0.000	54.980	1164.000	1242.000	96%	-0.038
x		162.400	-2.276	0.000	0.000	54.490	1149.000	1231.000	97%	-0.028
σ		2.371	1.105	0.000	0.000	1.009	44.940	9.945	1%	0.018
%RSD		1.460	48.550	0.000	0.000	1.851	3.913	0.808	1	64.370

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:35	-0.041	0.541	20.460	4.092	0.059	0.954	2.957	0.029	0.066
2	00:17:43	-1.103	0.515	20.860	1.966	0.137	2.080	1.969	0.036	0.109
3	00:18:50	-0.715	0.555	20.330	3.523	0.089	2.193	4.018	0.010	0.067
x		-0.620	0.537	20.550	3.194	0.095	1.742	2.981	0.025	0.081
σ		0.538	0.020	0.277	1.101	0.039	0.685	1.025	0.014	0.024
%RSD		86.790	3.775	1.348	34.460	41.330	39.340	34.380	55.420	30.060

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:35	0.005	0.050	1.026	0.013	-1.286	0.127	0.115	-0.770	2.059
2	00:17:43	0.029	0.093	1.110	0.045	-0.904	0.118	0.439	-0.611	0.936
3	00:18:50	0.034	0.080	1.095	0.229	-1.606	0.109	0.726	0.450	-1.291
x		0.023	0.074	1.077	0.096	-1.265	0.118	0.426	-0.310	0.568
σ		0.016	0.022	0.045	0.116	0.351	0.009	0.306	0.663	1.706
%RSD		69.760	29.810	4.161	121.700	27.780	7.639	71.740	213.800	300.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:35	-0.039	0.007	-0.005	-0.013	-0.011	0.003	96%	0.590	-0.001
2	00:17:43	0.071	-0.015	-0.025	-0.013	-0.024	-0.001	96%	0.710	-0.001
3	00:18:50	0.023	-0.015	-0.004	0.020	-0.015	-0.001	96%	2.319	-0.003
x		0.019	-0.007	-0.011	-0.002	-0.017	0.000	96%	1.206	-0.002
σ		0.055	0.012	0.012	0.019	0.007	0.003	0%	0.965	0.001
%RSD		297.100	166.600	104.300	889.700	39.380	3965.000	0	80.030	75.320

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:35	-0.318	0.557	-0.006	0.039	-0.058	-0.015	0.516	0.530	107%
2	00:17:43	-0.379	0.683	-0.006	0.037	-0.054	-0.012	0.523	0.537	105%
3	00:18:50	-1.076	2.280	-0.001	0.128	-0.069	-0.024	0.413	0.501	107%
x		-0.591	1.173	-0.004	0.068	-0.060	-0.017	0.484	0.523	106%
σ		0.421	0.961	0.003	0.052	0.008	0.006	0.061	0.019	1%
%RSD		71.300	81.890	63.690	77.250	13.540	36.060	12.670	3.670	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:35	106%	0.034	0.016	0.005	-0.002	0.002	104%	0.057
2	00:17:43	104%	0.031	0.021	0.020	0.006	0.008	102%	0.062
3	00:18:50	104%	0.035	0.018	0.018	-0.001	0.006	100%	0.057
x		105%	0.033	0.019	0.015	0.001	0.005	102%	0.059
σ		1%	0.002	0.003	0.008	0.004	0.003	2%	0.003
%RSD		1	7.324	14.170	55.710	339.300	52.580	2	5.110

CCV 06/05/2011 12:23:21 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	00:24:29	111%	467.800	488.700	0.000	51080.000	51070.000	49910.000	50340.000	9882.000
2	00:25:37	110%	467.600	482.000	0.000	49400.000	50440.000	49500.000	49680.000	9605.000
3	00:26:45	113%	459.000	507.100	0.000	50340.000	50040.000	49330.000	49680.000	9669.000
x		111%	464.800	492.600	0.000	50270.000	50510.000	49580.000	49900.000	9719.000
σ		2%	5.014	12.960	0.000	845.300	518.500	298.600	383.000	144.700
%RSD		2	1.079	2.631	0.000	1.681	1.027	0.602	0.768	1.488
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:29	472.600	9127.000	0.000	0.000	25580.000	54980.000	51320.000	93%	491.500
2	00:25:37	463.300	8801.000	0.000	0.000	24950.000	52700.000	50360.000	96%	478.800
3	00:26:45	468.700	8867.000	0.000	0.000	25240.000	53600.000	50690.000	95%	493.000
x		468.200	8932.000	0.000	0.000	25260.000	53760.000	50790.000	95%	487.800
σ		4.663	172.300	0.000	0.000	315.300	1149.000	485.200	1%	7.787
%RSD		0.996	1.929	0.000	0.000	1.248	2.137	0.955	2	1.596
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:29	479.100	490.100	28.660	25370.000	1019.000	26830.000	26670.000	476.900	475.700
2	00:25:37	476.500	477.300	16.980	24720.000	992.300	25710.000	25440.000	468.100	462.600
3	00:26:45	481.400	485.000	23.570	25380.000	1006.000	26730.000	26700.000	480.000	483.600
x		479.000	484.100	23.070	25160.000	1006.000	26420.000	26270.000	475.000	474.000
σ		2.475	6.448	5.860	379.100	13.270	622.500	720.800	6.182	10.640
%RSD		0.517	1.332	25.400	1.507	1.319	2.356	2.744	1.301	2.244
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:29	942.600	951.700	1017.000	495.400	520.800	-0.042	508.000	506.800	0.618
2	00:25:37	913.100	928.800	990.200	482.500	519.200	-0.469	500.100	503.500	-0.099
3	00:26:45	934.000	939.500	1003.000	495.500	537.600	-0.374	511.000	512.200	0.571
x		929.900	940.000	1003.000	491.200	525.900	-0.295	506.400	507.500	0.363
σ		15.190	11.470	13.280	7.470	10.190	0.224	5.639	4.376	0.401
%RSD		1.634	1.221	1.323	1.521	1.938	76.020	1.114	0.862	110.300
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:29	495.800	506.100	508.200	500.300	504.400	0.003	91%	535.400	507.600
2	00:25:37	497.100	495.800	499.300	495.700	484.900	-0.001	93%	533.200	497.700
3	00:26:45	502.700	509.000	504.900	500.000	506.000	-0.001	92%	520.400	507.800
x		498.600	503.600	504.100	498.700	498.400	0.000	92%	529.700	504.400
σ		3.689	6.925	4.491	2.572	11.770	0.003	1%	8.113	5.762
%RSD		0.740	1.375	0.891	0.516	2.362	1896.000	1	1.532	1.142
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:29	-2.186	533.700	509.200	522.300	503.200	520.600	2505.000	2443.000	102%
2	00:25:37	-0.505	531.600	491.800	518.400	492.700	514.400	2422.000	2441.000	104%
3	00:26:45	15.030	518.300	506.900	524.100	517.900	527.100	2486.000	2420.000	106%
x		4.112	527.900	502.700	521.600	504.600	520.700	2471.000	2435.000	104%
σ		9.490	8.349	9.444	2.879	12.690	6.339	43.580	12.980	2%
%RSD		230.800	1.581	1.879	0.552	2.515	1.217	1.764	0.533	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:24:29	102%	498.900	507.300	501.600	493.500	499.200	96%	490.100	
2	00:25:37	103%	474.100	476.100	479.800	481.000	483.200	100%	477.200	
3	00:26:45	103%	494.800	492.100	499.200	491.200	495.200	99%	481.800	
x		103%	489.300	491.800	493.500	488.600	492.500	98%	483.000	
σ		1%	13.330	15.630	11.960	6.649	8.301	2%	6.561	
%RSD		1	2.724	3.178	2.424	1.361	1.685	2	1.358	

CCB 06/05/2011 12:31:14 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	00:32:22	116%	0.057	8.679	0.000	2.881	4.850	5.584	5.075	1.398
2	00:33:30	115%	0.045	8.194	0.000	8.671	7.999	8.853	8.740	1.815
3	00:34:38	116%	0.031	7.881	0.000	8.136	8.210	8.320	8.216	1.953
x		115%	0.044	8.252	0.000	6.562	7.020	7.586	7.343	1.722
σ		1%	0.013	0.402	0.000	3.200	1.882	1.754	1.982	0.289
%RSD		1	28.990	4.872	0.000	48.760	26.810	23.130	26.990	16.750
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:22	-3.163	0.504	0.000	0.000	8.831	14.590	5.414	99%	-0.009
2	00:33:30	-2.512	4.100	0.000	0.000	13.040	-0.363	7.424	98%	-0.040
3	00:34:38	-2.814	7.681	0.000	0.000	4.800	25.730	10.030	102%	0.079
x		-2.830	4.095	0.000	0.000	8.890	13.320	7.621	100%	0.010
σ		0.326	3.589	0.000	0.000	4.119	13.090	2.313	2%	0.062
%RSD		11.500	87.640	0.000	0.000	46.330	98.310	30.350	2	616.900
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:22	0.147	0.121	13.600	5.697	0.092	-0.102	4.630	0.062	0.047
2	00:33:30	-0.659	0.157	14.650	7.615	0.152	0.989	5.072	0.095	0.040
3	00:34:38	-0.331	0.132	13.600	6.681	0.209	1.054	5.622	0.097	0.103
x		-0.281	0.137	13.950	6.664	0.151	0.647	5.108	0.084	0.063
σ		0.405	0.018	0.603	0.959	0.058	0.650	0.497	0.020	0.035
%RSD		144.200	13.520	4.322	14.390	38.670	100.400	9.731	23.480	54.820
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:22	0.098	0.074	0.219	0.035	-1.673	0.082	0.871	-0.291	0.460
2	00:33:30	0.129	0.203	0.353	0.321	1.294	0.047	0.611	0.331	-0.267
3	00:34:38	0.151	0.259	0.204	0.203	1.097	0.050	0.361	0.427	0.497
x		0.126	0.179	0.259	0.186	0.239	0.060	0.614	0.156	0.230
σ		0.026	0.095	0.082	0.144	1.659	0.020	0.255	0.389	0.431
%RSD		20.920	52.960	31.700	77.200	692.900	32.780	41.560	250.100	187.300
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:22	0.746	0.577	0.642	0.526	0.691	-0.001	100%	-3.075	0.094
2	00:33:30	0.584	0.577	0.461	0.583	0.472	-0.001	98%	-2.947	0.167
3	00:34:38	0.449	0.356	0.407	0.343	0.415	-0.001	98%	0.064	0.112
x		0.593	0.503	0.503	0.484	0.526	-0.001	99%	-1.986	0.124
σ		0.148	0.127	0.123	0.126	0.146	0.000	1%	1.777	0.038
%RSD		25.020	25.290	24.530	25.920	27.650	0.000	1	89.470	30.810
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:22	1.521	-3.096	0.125	-0.094	0.547	0.716	0.230	0.337	110%
2	00:33:30	1.388	-2.971	0.121	-0.067	0.458	0.508	0.521	0.479	109%
3	00:34:38	-0.063	0.031	0.131	0.095	0.336	0.391	0.368	0.478	110%
x		0.949	-2.012	0.126	-0.022	0.447	0.538	0.373	0.431	110%
σ		0.879	1.770	0.005	0.102	0.106	0.165	0.146	0.082	0%
%RSD		92.650	87.980	3.756	465.700	23.740	30.610	39.070	18.910	0
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:32:22	109%	0.128	0.115	0.088	0.057	0.067	106%	0.072	
2	00:33:30	109%	0.178	0.148	0.129	0.094	0.111	109%	0.086	
3	00:34:38	109%	0.126	0.107	0.112	0.097	0.116	108%	0.092	
x		109%	0.144	0.123	0.110	0.083	0.098	107%	0.084	
σ		0%	0.030	0.022	0.021	0.022	0.027	1%	0.010	
%RSD		0	20.630	17.890	18.980	26.870	27.440	1	12.400	

C2339-13X25 MF4Q17 06/05/2011 12:39:07 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	00:40:15	114%	0.047	46.620	0.000	12660.000	2500.000	2251.000	2292.000	3.460
2	00:41:23	115%	0.007	49.620	0.000	12410.000	2465.000	2207.000	2191.000	3.210
3	00:42:31	112%	0.074	47.950	0.000	12650.000	2529.000	2266.000	2258.000	3.546
x		114%	0.042	48.060	0.000	12570.000	2498.000	2241.000	2247.000	3.405
σ		1%	0.034	1.503	0.000	141.800	32.010	30.440	51.270	0.175
%RSD		1	79.400	3.127	0.000	1.128	1.282	1.358	2.282	5.130

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:15	906.200	3.814	0.000	0.000	245.400	7022.000	7667.000	94%	0.225
2	00:41:23	880.400	-3.026	0.000	0.000	234.000	6672.000	7381.000	97%	0.088
3	00:42:31	892.300	0.727	0.000	0.000	233.700	6765.000	7470.000	96%	0.057
x		893.000	0.505	0.000	0.000	237.700	6820.000	7506.000	96%	0.124
σ		12.930	3.426	0.000	0.000	6.686	181.300	146.600	2%	0.089
%RSD		1.448	678.500	0.000	0.000	2.813	2.658	1.953	2	72.320

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:15	1.400	30.910	18.490	18.370	0.427	5.476	17.570	0.125	0.130
2	00:41:23	1.768	30.070	17.900	17.780	0.384	4.090	18.370	0.122	0.263
3	00:42:31	1.652	30.020	18.430	20.120	0.373	5.918	19.860	0.121	0.342
x		1.607	30.340	18.270	18.760	0.395	5.161	18.600	0.123	0.245
σ		0.188	0.502	0.321	1.218	0.028	0.954	1.162	0.002	0.107
%RSD		11.710	1.654	1.758	6.494	7.190	18.480	6.246	1.878	43.650

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:15	4.194	4.202	3.729	0.654	1.066	0.067	1.266	1.058	-1.516
2	00:41:23	3.941	4.582	3.670	0.711	0.032	0.064	0.464	1.254	-0.423
3	00:42:31	3.951	4.173	3.691	0.799	0.494	0.063	0.499	0.724	-0.403
x		4.028	4.319	3.697	0.722	0.530	0.065	0.743	1.012	-0.781
σ		0.143	0.229	0.030	0.073	0.518	0.002	0.453	0.268	0.637
%RSD		3.553	5.294	0.811	10.120	97.660	2.801	61.030	26.480	81.650

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:15	0.362	0.347	0.291	0.304	0.302	0.003	94%	-1.892	0.110
2	00:41:23	0.259	0.263	0.234	0.369	0.282	0.003	94%	-0.763	0.070
3	00:42:31	0.285	0.352	0.393	0.326	0.257	-0.001	94%	-1.775	0.115
x		0.302	0.321	0.306	0.333	0.281	0.002	94%	-1.477	0.098
σ		0.053	0.050	0.080	0.033	0.023	0.003	0%	0.621	0.024
%RSD		17.680	15.590	26.200	9.925	8.140	163.100	0	42.040	24.710

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:15	0.957	-1.920	0.102	-0.041	0.161	0.227	2.384	2.290	105%
2	00:41:23	0.641	-0.793	0.112	0.006	0.263	0.179	2.454	1.906	105%
3	00:42:31	0.975	-1.799	0.075	-0.043	0.103	0.190	2.355	2.243	104%
x		0.858	-1.504	0.096	-0.026	0.176	0.199	2.398	2.146	105%
σ		0.188	0.619	0.019	0.028	0.081	0.025	0.051	0.209	1%
%RSD		21.930	41.170	19.530	106.700	46.270	12.590	2.134	9.754	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:15	104%	0.168	0.161	0.280	0.220	0.240	99%	0.407
2	00:41:23	104%	0.141	0.117	0.268	0.231	0.239	100%	0.410
3	00:42:31	104%	0.144	0.114	0.221	0.208	0.240	100%	0.396
x		104%	0.151	0.131	0.257	0.220	0.240	100%	0.404
σ		0%	0.015	0.026	0.031	0.011	0.000	1%	0.007
%RSD		0	10.070	20.020	12.140	5.112	0.161	1	1.767

C2339-14 MF4Q20 06/05/2011 12:47:01 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	00:48:09	106%	0.012	504.400	0.000	163700.000	38990.000	38350.000	37980.000	15.590
2	00:49:17	105%	0.047	515.700	0.000	166300.000	39840.000	39170.000	39030.000	16.020
3	00:50:25	106%	0.033	532.200	0.000	170000.000	40910.000	40180.000	39580.000	15.570
x		106%	0.030	517.500	0.000	166700.000	39910.000	39230.000	38860.000	15.730
σ		0%	0.018	13.980	0.000	3140.000	962.300	919.400	816.600	0.252
%RSD		0	58.220	2.701	0.000	1.884	2.411	2.343	2.101	1.601

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:09	16690.000	33.820	0.000	0.000	7792.000	178700.000	193100.000	106%	1.743
2	00:49:17	16940.000	20.460	0.000	0.000	8107.000	186100.000	196200.000	104%	1.206
3	00:50:25	17290.000	38.930	0.000	0.000	8312.000	188300.000	199200.000	105%	1.672
x		16970.000	31.070	0.000	0.000	8070.000	184400.000	196200.000	105%	1.540
σ		305.900	9.537	0.000	0.000	261.900	5003.000	3041.000	1%	0.291
%RSD		1.802	30.690	0.000	0.000	3.245	2.714	1.550	1	18.920

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:09	8.759	1170.000	127.200	479.000	7.121	9.524	260.300	0.411	31.020
2	00:49:17	14.100	1182.000	127.700	483.700	6.962	10.470	249.600	0.452	31.260
3	00:50:25	19.280	1214.000	126.000	488.400	7.161	9.787	250.400	0.391	30.650
x		14.050	1188.000	127.000	483.700	7.082	9.928	253.400	0.418	30.980
σ		5.261	22.840	0.833	4.692	0.105	0.489	5.967	0.031	0.306
%RSD		37.450	1.922	0.656	0.970	1.489	4.927	2.355	7.491	0.989

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:09	343.800	346.200	1997.000	6.662	11.260	0.492	8.022	14.000	1.554
2	00:49:17	341.100	341.900	1934.000	6.558	13.690	0.542	9.669	14.860	0.903
3	00:50:25	352.100	353.600	1973.000	6.392	10.550	0.552	8.112	13.690	0.605
x		345.700	347.200	1968.000	6.537	11.830	0.529	8.601	14.190	1.020
σ		5.770	5.909	31.730	0.136	1.647	0.032	0.926	0.606	0.485
%RSD		1.669	1.702	1.612	2.079	13.920	6.096	10.770	4.273	47.560

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:09	0.995	0.781	0.956	1.007	0.825	-0.001	85%	-1.716	0.115
2	00:49:17	0.780	1.001	0.953	1.073	0.770	-0.001	87%	-0.227	0.060
3	00:50:25	0.754	0.900	0.815	0.953	0.809	-0.001	86%	-1.342	0.050
x		0.843	0.894	0.908	1.011	0.801	-0.001	86%	-1.095	0.075
σ		0.132	0.110	0.080	0.060	0.028	0.000	1%	0.775	0.035
%RSD		15.690	12.290	8.852	5.922	3.504	0.000	1	70.730	46.460

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:09	0.971	-1.757	0.073	0.598	3.386	0.293	65.520	63.740	101%
2	00:49:17	0.582	-0.275	0.090	0.671	3.180	0.263	60.960	60.770	103%
3	00:50:25	0.786	-1.382	0.056	0.476	3.257	0.284	63.420	64.970	101%
x		0.780	-1.138	0.073	0.582	3.274	0.280	63.300	63.160	102%
σ		0.194	0.770	0.017	0.099	0.104	0.015	2.280	2.162	1%
%RSD		24.940	67.680	23.410	16.970	3.168	5.347	3.602	3.424	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:09	102%	0.097	0.095	41.350	39.880	40.600	94%	4.164
2	00:49:17	103%	0.060	0.077	42.220	39.250	40.500	93%	4.262
3	00:50:25	102%	0.061	0.040	42.620	39.710	41.260	94%	4.378
x		102%	0.073	0.071	42.060	39.610	40.790	94%	4.268
σ		0%	0.021	0.028	0.651	0.327	0.412	0%	0.107
%RSD		0	29.280	39.130	1.548	0.826	1.009	0	2.513

C2339-15 MF4Q21 06/05/2011 12:54:55 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	00:56:03	107%	-0.015	493.200	0.000	160100.000	56880.000	56700.000	56300.000	6.232
2	00:57:11	106%	-0.029	505.200	0.000	160200.000	58450.000	58870.000	57860.000	5.205
3	00:58:19	108%	-0.023	516.100	0.000	161200.000	57100.000	57410.000	57710.000	6.331
x		107%	-0.022	504.800	0.000	160500.000	57480.000	57660.000	57290.000	5.923
σ		1%	0.007	11.470	0.000	647.600	850.300	1104.000	859.400	0.623
%RSD		1	29.860	2.272	0.000	0.404	1.479	1.915	1.500	10.520

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:03	24500.000	13.780	0.000	0.000	2959.000	145300.000	175900.000	93%	2.063
2	00:57:11	25150.000	15.960	0.000	0.000	2970.000	145800.000	180900.000	91%	1.669
3	00:58:19	24230.000	33.150	0.000	0.000	2939.000	143500.000	177200.000	92%	1.475
x		24630.000	20.970	0.000	0.000	2956.000	144900.000	178000.000	92%	1.736
σ		471.700	10.610	0.000	0.000	15.570	1235.000	2573.000	1%	0.300
%RSD		1.915	50.610	0.000	0.000	0.527	0.853	1.445	1	17.270

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:03	41.600	316.800	148.700	131.900	2.946	5.458	207.400	0.190	1.926
2	00:57:11	45.230	327.500	154.800	130.800	3.162	7.148	208.100	0.186	1.906
3	00:58:19	43.680	325.000	159.100	132.700	3.026	5.189	196.200	0.141	2.007
x		43.500	323.100	154.200	131.800	3.045	5.932	203.900	0.172	1.947
σ		1.817	5.634	5.224	0.951	0.110	1.062	6.688	0.027	0.053
%RSD		4.176	1.744	3.387	0.722	3.599	17.910	3.281	15.770	2.743

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:03	1.013	0.876	5.844	11.920	14.770	0.611	10.770	16.320	1.071
2	00:57:11	1.050	0.953	5.429	12.910	25.300	0.531	10.950	18.900	2.963
3	00:58:19	0.841	0.780	5.277	12.590	21.510	0.577	11.880	18.010	-0.146
x		0.968	0.869	5.516	12.470	20.530	0.573	11.200	17.740	1.296
σ		0.112	0.087	0.293	0.507	5.331	0.040	0.597	1.311	1.567
%RSD		11.540	9.950	5.318	4.068	25.970	6.988	5.327	7.390	120.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:03	4.872	5.283	5.235	5.230	5.262	0.003	88%	-0.574	0.013
2	00:57:11	5.609	5.290	5.212	5.414	5.353	-0.001	87%	-0.303	0.025
3	00:58:19	5.755	5.545	5.201	5.329	4.907	0.003	88%	-3.704	0.012
x		5.412	5.373	5.216	5.324	5.174	0.002	88%	-1.527	0.017
σ		0.473	0.149	0.018	0.092	0.236	0.003	0%	1.890	0.007
%RSD		8.744	2.775	0.338	1.727	4.555	154.500	0	123.800	43.350

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:03	0.334	-0.622	0.016	-0.006	0.055	0.083	66.270	67.830	105%
2	00:57:11	0.122	-0.353	0.003	0.019	-0.007	0.102	66.780	66.230	105%
3	00:58:19	1.758	-3.736	-0.005	-0.185	0.038	0.113	65.100	65.510	105%
x		0.738	-1.570	0.004	-0.057	0.029	0.099	66.050	66.520	105%
σ		0.890	1.880	0.011	0.111	0.032	0.015	0.863	1.191	0%
%RSD		120.500	119.800	250.600	193.800	112.900	15.370	1.306	1.791	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:03	105%	0.024	0.024	0.118	0.125	0.130	96%	6.845
2	00:57:11	105%	0.016	0.025	0.122	0.105	0.103	97%	6.756
3	00:58:19	104%	0.001	0.006	0.134	0.093	0.108	98%	6.712
x		105%	0.014	0.018	0.125	0.107	0.113	97%	6.771
σ		1%	0.012	0.011	0.008	0.016	0.014	1%	0.067
%RSD		1	83.220	59.810	6.568	14.940	12.620	1	0.996

C2339-16 MF4Q24 06/05/2011 01:02:50 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	01:03:58	108%	-0.009	808.900	0.000	226900.000	52010.000	51400.000	50560.000	10.920
2	01:05:06	106%	-0.001	802.600	0.000	226300.000	52670.000	51940.000	51410.000	10.780
3	01:06:14	108%	0.011	798.400	0.000	220200.000	51790.000	51800.000	51840.000	11.710
x		107%	0.001	803.300	0.000	224500.000	52160.000	51710.000	51270.000	11.140
σ		1%	0.010	5.302	0.000	3715.000	461.300	278.500	652.700	0.502
%RSD		1	1656.000	0.660	0.000	1.655	0.885	0.539	1.273	4.507

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:58	19950.000	61.820	0.000	0.000	6795.000	162300.000	200900.000	91%	1.294
2	01:05:06	20250.000	32.660	0.000	0.000	6862.000	163400.000	203000.000	90%	1.643
3	01:06:14	20170.000	30.020	0.000	0.000	6990.000	168200.000	202900.000	89%	2.108
x		20120.000	41.500	0.000	0.000	6882.000	164600.000	202300.000	90%	1.681
σ		155.500	17.650	0.000	0.000	99.430	3132.000	1202.000	1%	0.409
%RSD		0.773	42.530	0.000	0.000	1.445	1.903	0.594	1	24.290

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:58	37.800	140.600	148.800	61.510	0.602	8.210	235.400	0.320	3.074
2	01:05:06	40.430	139.600	152.400	56.610	0.615	8.574	241.000	0.336	3.076
3	01:06:14	39.200	142.500	161.000	58.990	0.667	8.984	238.500	0.303	3.076
x		39.150	140.900	154.100	59.040	0.628	8.589	238.300	0.319	3.076
σ		1.314	1.459	6.278	2.448	0.034	0.387	2.790	0.016	0.001
%RSD		3.356	1.035	4.076	4.146	5.474	4.511	1.171	5.108	0.035

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:58	225.000	226.100	225.800	9.964	16.170	0.689	10.040	15.770	-0.594
2	01:05:06	223.100	219.200	223.800	10.150	12.110	0.677	10.240	16.670	1.882
3	01:06:14	225.800	222.700	220.500	10.570	11.240	0.713	9.642	15.040	1.939
x		224.600	222.700	223.400	10.230	13.170	0.693	9.974	15.830	1.076
σ		1.372	3.470	2.685	0.309	2.628	0.018	0.303	0.817	1.446
%RSD		0.611	1.558	1.202	3.021	19.950	2.632	3.035	5.162	134.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:58	1.723	1.869	1.808	1.728	1.733	0.004	84%	0.062	0.068
2	01:05:06	1.815	1.930	1.834	1.709	1.753	-0.001	85%	-0.293	0.054
3	01:06:14	1.817	1.988	1.865	1.824	1.872	-0.001	84%	-1.517	0.055
x		1.785	1.929	1.836	1.754	1.786	0.000	84%	-0.583	0.059
σ		0.054	0.059	0.028	0.062	0.075	0.003	1%	0.829	0.008
%RSD		3.008	3.074	1.546	3.520	4.214	1068.000	1	142.200	13.060

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:58	0.205	0.007	0.063	0.011	2.134	0.088	67.410	66.730	102%
2	01:05:06	0.201	-0.340	0.071	0.012	2.176	0.110	66.040	65.850	100%
3	01:06:14	0.789	-1.556	0.066	-0.046	2.219	0.089	67.010	66.710	98%
x		0.399	-0.630	0.067	-0.008	2.176	0.096	66.820	66.430	100%
σ		0.339	0.821	0.004	0.033	0.043	0.012	0.704	0.502	2%
%RSD		84.980	130.300	5.570	432.600	1.962	12.860	1.053	0.756	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:58	101%	0.013	0.010	15.250	14.360	15.030	94%	7.236
2	01:05:06	100%	0.021	0.014	14.910	14.030	14.660	93%	7.229
3	01:06:14	101%	0.019	0.011	15.140	14.570	14.820	94%	7.253
x		101%	0.018	0.011	15.100	14.320	14.840	94%	7.239
σ		0%	0.005	0.002	0.173	0.273	0.188	1%	0.012
%RSD		0	25.650	16.730	1.144	1.908	1.268	1	0.167

C2339-17 MF4Q25 06/05/2011 01:10:45 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	01:11:52	109%	-0.030	859.400	0.000	253200.000	56080.000	54340.000	54280.000	1.582
2	01:13:01	108%	-0.015	867.600	0.000	279700.000	59970.000	59580.000	59390.000	0.854
3	01:14:08	109%	-0.016	885.900	0.000	275700.000	61370.000	59440.000	59890.000	0.797
x		108%	-0.021	871.000	0.000	269500.000	59140.000	57790.000	57850.000	1.078
σ		1%	0.008	13.610	0.000	14250.000	2743.000	2983.000	3103.000	0.438
%RSD		1	39.780	1.562	0.000	5.288	4.638	5.162	5.364	40.630

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:52	20010.000	11.360	0.000	0.000	5985.000	143600.000	177000.000	107%	1.878
2	01:13:01	22380.000	18.740	0.000	0.000	6927.000	169200.000	207700.000	91%	1.494
3	01:14:08	22300.000	12.420	0.000	0.000	7033.000	172800.000	211300.000	91%	1.728
x		21560.000	14.170	0.000	0.000	6648.000	161900.000	198600.000	96%	1.700
σ		1347.000	3.991	0.000	0.000	576.700	15910.000	18860.000	9%	0.194
%RSD		6.246	28.150	0.000	0.000	8.675	9.828	9.492	9	11.380

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:52	34.790	507.700	131.700	194.100	0.255	-2.476	198.300	0.338	1.603
2	01:13:01	36.430	579.700	160.900	232.200	0.323	2.923	222.500	0.287	1.996
3	01:14:08	38.450	584.800	164.600	237.300	0.305	4.048	235.600	0.304	1.867
x		36.560	557.400	152.400	221.200	0.294	1.498	218.800	0.310	1.822
σ		1.836	43.140	18.020	23.630	0.035	3.488	18.890	0.026	0.200
%RSD		5.022	7.740	11.820	10.680	11.850	232.800	8.633	8.437	10.990

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:52	2.313	2.171	7.986	10.450	14.770	0.605	7.745	15.800	1.494
2	01:13:01	2.604	2.602	8.534	11.170	18.890	0.626	9.729	16.000	0.220
3	01:14:08	2.604	2.217	8.661	11.660	15.750	0.590	11.490	16.910	1.771
x		2.507	2.330	8.394	11.090	16.470	0.607	9.654	16.240	1.162
σ		0.168	0.236	0.359	0.607	2.153	0.018	1.872	0.590	0.827
%RSD		6.713	10.150	4.274	5.470	13.070	3.012	19.390	3.636	71.220

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:52	2.886	1.141	1.326	1.178	1.224	-0.001	86%	-2.048	0.028
2	01:13:01	1.517	1.268	1.178	1.217	1.281	-0.001	87%	-1.262	0.018
3	01:14:08	1.103	1.305	1.383	1.614	1.200	-0.001	86%	-2.359	0.013
x		1.835	1.238	1.296	1.336	1.235	-0.001	86%	-1.890	0.020
σ		0.933	0.086	0.106	0.241	0.042	0.000	1%	0.566	0.008
%RSD		50.830	6.972	8.165	18.030	3.363	0.000	1	29.920	40.030

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:52	1.213	-2.090	0.027	-0.142	0.050	0.035	36.530	37.010	103%
2	01:13:01	0.749	-1.307	0.005	-0.098	0.056	0.056	36.870	36.390	104%
3	01:14:08	1.112	-2.400	0.005	-0.141	0.057	0.044	37.800	37.120	105%
x		1.025	-1.932	0.012	-0.127	0.055	0.045	37.070	36.840	104%
σ		0.244	0.563	0.012	0.025	0.004	0.010	0.657	0.394	1%
%RSD		23.840	29.150	99.950	19.730	6.837	23.240	1.771	1.070	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:52	105%	0.008	0.017	0.290	0.225	0.243	95%	7.808
2	01:13:01	104%	0.016	0.008	0.230	0.198	0.231	96%	7.794
3	01:14:08	106%	0.004	0.003	0.176	0.273	0.222	97%	7.835
x		105%	0.009	0.009	0.232	0.232	0.232	96%	7.813
σ		1%	0.006	0.007	0.057	0.038	0.011	1%	0.021
%RSD		1	69.250	75.540	24.630	16.450	4.666	1	0.268

C2339-18 MF4Q29 06/05/2011 01:18:40 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	01:19:48	114%	-0.038	882.600	0.000	212100.000	63160.000	62590.000	62050.000	5.181
2	01:20:56	113%	-0.051	874.800	0.000	223600.000	65710.000	65410.000	65770.000	5.784
3	01:22:04	112%	-0.005	864.000	0.000	208300.000	61810.000	60210.000	59480.000	5.496
x		113%	-0.031	873.800	0.000	214700.000	63560.000	62740.000	62430.000	5.487
σ		1%	0.023	9.301	0.000	7951.000	1978.000	2600.000	3164.000	0.302
%RSD		1	74.680	1.064	0.000	3.704	3.112	4.144	5.067	5.497

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:48	23200.000	25.790	0.000	0.000	6223.000	177600.000	195000.000	107%	1.490
2	01:20:56	24730.000	33.590	0.000	0.000	7069.000	179400.000	221100.000	94%	1.746
3	01:22:04	21970.000	30.180	0.000	0.000	5945.000	149800.000	181900.000	110%	1.509
x		23300.000	29.850	0.000	0.000	6412.000	168900.000	199300.000	104%	1.581
σ		1386.000	3.908	0.000	0.000	585.300	16620.000	19980.000	9%	0.143
%RSD		5.947	13.090	0.000	0.000	9.128	9.841	10.020	9	9.017

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:48	47.350	106.300	138.500	35.520	0.341	1.573	241.100	0.475	3.097
2	01:20:56	49.910	116.600	162.100	48.180	0.370	6.073	257.400	0.444	3.026
3	01:22:04	44.250	99.480	141.700	33.980	0.304	0.188	225.200	0.436	2.591
x		47.170	107.500	147.400	39.230	0.339	2.611	241.300	0.452	2.905
σ		2.835	8.623	12.810	7.793	0.033	3.077	16.100	0.021	0.274
%RSD		6.010	8.025	8.687	19.870	9.700	117.800	6.674	4.610	9.425

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:48	70.690	70.750	96.120	12.100	18.120	0.488	8.371	16.760	-1.187
2	01:20:56	77.070	78.790	104.600	11.990	12.170	0.662	9.281	14.630	-1.677
3	01:22:04	67.860	69.960	96.360	11.240	14.970	0.569	9.123	14.720	0.217
x		71.870	73.170	99.050	11.780	15.090	0.573	8.925	15.370	-0.882
σ		4.719	4.889	4.855	0.469	2.975	0.087	0.486	1.202	0.983
%RSD		6.566	6.682	4.902	3.981	19.720	15.180	5.447	7.823	111.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:48	-0.549	1.937	1.879	2.200	2.098	-0.001	87%	-2.482	0.023
2	01:20:56	1.942	2.197	2.378	2.302	1.869	-0.001	88%	-1.976	0.030
3	01:22:04	2.191	2.060	2.131	2.232	1.761	-0.001	87%	0.354	0.018
x		1.195	2.065	2.129	2.245	1.909	-0.001	87%	-1.368	0.023
σ		1.515	0.130	0.250	0.052	0.172	0.000	1%	1.513	0.006
%RSD		126.800	6.307	11.730	2.309	9.011	0.000	1	110.600	25.400

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:48	1.334	-2.515	0.024	-0.123	0.748	0.092	47.580	46.900	101%
2	01:20:56	1.010	-2.020	0.015	-0.054	0.684	0.100	45.240	43.190	107%
3	01:22:04	-0.113	0.304	0.016	0.036	0.810	0.122	43.990	43.150	103%
x		0.744	-1.410	0.018	-0.047	0.747	0.105	45.600	44.410	104%
σ		0.759	1.505	0.005	0.080	0.063	0.015	1.823	2.154	3%
%RSD		102.100	106.700	26.330	169.900	8.445	14.600	3.998	4.850	3

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:48	100%	0.021	0.009	11.380	10.030	10.740	94%	7.920
2	01:20:56	107%	0.014	0.008	10.500	9.797	10.350	95%	7.806
3	01:22:04	106%	-0.003	0.007	10.370	9.788	10.220	97%	7.470
x		104%	0.011	0.008	10.750	9.870	10.440	95%	7.732
σ		3%	0.012	0.001	0.551	0.135	0.274	2%	0.234
%RSD		3	111.500	10.110	5.125	1.372	2.629	2	3.025

C2339-14X25 MF4Q20 06/05/2011 01:26:36 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	01:27:44	120%	-0.033	41.900	0.000	7743.000	1841.000	1681.000	1661.000	1.314
2	01:28:52	123%	-0.034	41.430	0.000	7766.000	1867.000	1652.000	1673.000	1.390
3	01:30:00	127%	-0.029	39.090	0.000	7590.000	1838.000	1676.000	1668.000	1.287
x		124%	-0.032	40.800	0.000	7700.000	1849.000	1670.000	1667.000	1.331
σ		4%	0.003	1.504	0.000	95.450	15.770	15.690	6.214	0.053
%RSD		3	7.793	3.687	0.000	1.240	0.853	0.940	0.373	4.012
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:44	729.500	-3.934	0.000	0.000	360.800	8369.000	8767.000	99%	-0.040
2	01:28:52	743.000	-4.763	0.000	0.000	365.600	8118.000	8901.000	99%	0.023
3	01:30:00	721.700	-4.641	0.000	0.000	364.900	7850.000	8761.000	101%	0.081
x		731.400	-4.446	0.000	0.000	363.800	8112.000	8810.000	99%	0.021
σ		10.770	0.447	0.000	0.000	2.579	259.300	78.970	1%	0.061
%RSD		1.472	10.060	0.000	0.000	0.709	3.197	0.896	1	285.100
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:44	-0.477	58.630	43.530	50.880	0.973	24.480	41.170	0.016	1.692
2	01:28:52	-0.258	58.080	42.780	52.380	1.031	25.000	42.640	0.004	1.541
3	01:30:00	-0.478	58.520	41.070	50.460	0.952	24.810	39.170	0.012	1.571
x		-0.404	58.410	42.460	51.240	0.985	24.760	40.990	0.011	1.601
σ		0.127	0.293	1.260	1.012	0.041	0.262	1.743	0.006	0.080
%RSD		31.390	0.502	2.969	1.975	4.172	1.060	4.251	58.680	4.974
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:44	17.220	17.770	95.730	0.523	0.936	0.208	0.635	0.597	-0.789
2	01:28:52	17.920	18.610	96.140	0.550	0.362	0.198	0.218	0.872	-0.454
3	01:30:00	17.250	17.360	93.500	0.807	0.718	0.153	0.298	0.327	0.253
x		17.470	17.920	95.130	0.627	0.672	0.186	0.384	0.599	-0.330
σ		0.397	0.638	1.422	0.157	0.290	0.029	0.221	0.273	0.532
%RSD		2.273	3.559	1.495	25.030	43.140	15.770	57.640	45.510	161.400
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:44	0.083	0.042	0.022	0.096	-0.003	-0.001	96%	-0.702	-0.010
2	01:28:52	0.122	0.044	-0.011	0.043	0.025	-0.001	94%	1.065	-0.008
3	01:30:00	-0.003	0.034	0.014	0.019	0.014	-0.001	98%	0.097	-0.012
x		0.067	0.040	0.008	0.053	0.012	-0.001	96%	0.154	-0.010
σ		0.064	0.005	0.017	0.040	0.014	0.000	2%	0.885	0.002
%RSD		94.970	13.260	202.900	75.370	115.700	0.000	2	576.600	23.250
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:44	0.303	-0.727	-0.011	-0.015	0.144	-0.018	2.667	2.845	105%
2	01:28:52	-0.394	1.030	-0.003	0.068	0.061	-0.026	2.393	3.049	105%
3	01:30:00	-0.008	0.069	-0.011	0.021	0.033	-0.018	2.710	2.829	107%
x		-0.033	0.124	-0.008	0.025	0.079	-0.021	2.590	2.908	106%
σ		0.349	0.880	0.004	0.041	0.058	0.005	0.172	0.123	1%
%RSD		1059.000	708.800	50.900	166.500	72.560	22.890	6.635	4.216	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:27:44	106%	0.005	0.001	1.839	1.807	1.766	100%	0.137	
2	01:28:52	106%	0.007	-0.003	1.890	1.661	1.758	99%	0.173	
3	01:30:00	105%	0.007	-0.005	1.838	1.581	1.684	102%	0.157	
x		105%	0.007	-0.002	1.856	1.683	1.736	100%	0.156	
σ		1%	0.001	0.003	0.030	0.114	0.045	2%	0.018	
%RSD		1	17.560	138.100	1.599	6.800	2.605	2	11.560	

C2339-15X25 MF4Q21 06/05/2011 01:34:32 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	01:35:40	125%	-0.046	31.030	0.000	6823.000	2482.000	2207.000	2220.000	0.806
2	01:36:47	126%	-0.029	32.310	0.000	6750.000	2380.000	2208.000	2195.000	0.800
3	01:37:55	126%	-0.052	31.540	0.000	6765.000	2480.000	2204.000	2212.000	0.736
x		126%	-0.043	31.630	0.000	6779.000	2447.000	2206.000	2209.000	0.781
σ		1%	0.012	0.643	0.000	38.560	58.340	2.351	12.500	0.038
%RSD		1	28.440	2.033	0.000	0.569	2.384	0.107	0.566	4.927

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:40	973.400	-3.312	0.000	0.000	124.100	6112.000	6557.000	103%	0.108
2	01:36:47	965.300	-4.890	0.000	0.000	125.000	6427.000	6789.000	101%	-0.011
3	01:37:55	977.400	-5.353	0.000	0.000	125.100	6379.000	6940.000	101%	0.110
x		972.000	-4.518	0.000	0.000	124.700	6306.000	6762.000	102%	0.069
σ		6.160	1.070	0.000	0.000	0.580	169.600	192.700	1%	0.069
%RSD		0.634	23.670	0.000	0.000	0.465	2.690	2.849	1	100.700

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:40	1.668	14.050	32.900	7.109	0.181	-0.193	10.930	0.012	0.142
2	01:36:47	1.410	13.800	33.900	10.400	0.172	-0.285	11.550	0.009	0.118
3	01:37:55	2.200	14.540	31.660	7.489	0.146	0.196	9.687	0.009	0.094
x		1.759	14.130	32.820	8.333	0.167	-0.094	10.720	0.010	0.118
σ		0.403	0.374	1.119	1.800	0.018	0.255	0.950	0.002	0.024
%RSD		22.900	2.647	3.410	21.610	11.010	271.100	8.857	19.680	19.980

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:40	0.111	0.159	0.654	0.307	-0.448	0.182	0.567	0.464	0.654
2	01:36:47	0.075	0.044	0.734	0.671	-0.934	0.158	1.235	0.060	1.399
3	01:37:55	0.079	0.058	0.770	0.587	1.328	0.169	0.194	0.264	-0.143
x		0.088	0.087	0.719	0.522	-0.018	0.170	0.665	0.263	0.637
σ		0.020	0.063	0.060	0.191	1.191	0.012	0.527	0.202	0.771
%RSD		22.470	71.740	8.285	36.530	6612.000	7.093	79.240	76.890	121.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:40	0.182	0.237	0.197	0.207	0.208	-0.001	101%	-1.908	0.011
2	01:36:47	0.212	0.131	0.130	0.223	0.191	-0.001	103%	0.610	-0.010
3	01:37:55	0.158	0.222	0.171	0.174	0.244	-0.001	101%	-2.159	-0.002
x		0.184	0.197	0.166	0.201	0.214	-0.001	102%	-1.152	-0.000
σ		0.027	0.057	0.034	0.025	0.027	0.000	1%	1.532	0.011
%RSD		14.800	29.170	20.330	12.290	12.720	0.000	1	132.900	4333.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:40	0.888	-1.937	-0.002	-0.124	-0.061	-0.030	2.591	2.863	113%
2	01:36:47	-0.331	0.583	0.012	0.039	-0.062	-0.020	2.401	2.423	112%
3	01:37:55	1.008	-2.185	-0.004	-0.101	-0.061	-0.022	3.146	2.714	113%
x		0.522	-1.180	0.002	-0.062	-0.061	-0.024	2.712	2.667	113%
σ		0.741	1.532	0.008	0.088	0.000	0.006	0.387	0.224	1%
%RSD		141.900	129.800	448.000	143.100	0.670	23.340	14.270	8.402	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:40	113%	0.004	0.002	0.021	0.005	0.015	107%	0.245
2	01:36:47	113%	0.009	0.009	0.034	0.021	0.021	110%	0.257
3	01:37:55	110%	0.023	0.004	0.034	0.005	0.014	109%	0.270
x		112%	0.012	0.005	0.030	0.010	0.017	109%	0.257
σ		1%	0.009	0.003	0.007	0.009	0.004	2%	0.012
%RSD		1	77.340	69.230	24.980	90.810	23.910	2	4.852

C2339-16X25 MF4Q24 06/05/2011 01:42:28 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	01:43:36	126%	-0.017	41.410	0.000	9435.000	2236.000	1992.000	2003.000	0.908
2	01:44:43	125%	-0.052	39.350	0.000	9333.000	2181.000	1968.000	1982.000	0.840
3	01:45:51	122%	-0.034	40.920	0.000	9652.000	2253.000	2056.000	2058.000	1.154
x		125%	-0.035	40.560	0.000	9474.000	2223.000	2005.000	2014.000	0.967
σ		2%	0.017	1.078	0.000	162.900	37.640	45.590	39.230	0.165
%RSD		2	50.560	2.656	0.000	1.719	1.693	2.274	1.948	17.090

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:36	779.500	-7.124	0.000	0.000	273.500	7080.000	7755.000	101%	0.019
2	01:44:43	764.000	-0.007	0.000	0.000	273.200	6855.000	7590.000	102%	0.108
3	01:45:51	806.100	-5.919	0.000	0.000	283.600	7179.000	7992.000	99%	0.053
x		783.200	-4.350	0.000	0.000	276.800	7038.000	7779.000	101%	0.060
σ		21.310	3.809	0.000	0.000	5.935	165.900	202.100	2%	0.045
%RSD		2.721	87.560	0.000	0.000	2.144	2.358	2.599	2	74.470

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:36	1.281	6.325	28.090	6.480	0.079	-0.193	11.260	0.007	0.152
2	01:44:43	1.749	6.062	27.190	2.775	0.068	0.120	12.640	0.015	0.118
3	01:45:51	0.864	6.664	28.450	4.732	0.052	1.415	13.710	0.018	0.240
x		1.298	6.350	27.910	4.662	0.066	0.447	12.540	0.013	0.170
σ		0.443	0.301	0.647	1.853	0.014	0.852	1.231	0.006	0.063
%RSD		34.120	4.748	2.319	39.750	20.690	190.500	9.817	43.200	37.080

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:36	12.800	12.680	9.847	0.572	-0.355	0.130	0.446	0.164	0.936
2	01:44:43	12.730	13.020	10.240	0.361	-1.284	0.148	1.233	0.063	0.948
3	01:45:51	13.490	13.160	10.420	0.500	-2.394	0.158	0.214	0.543	-0.793
x		13.010	12.950	10.170	0.478	-1.344	0.145	0.631	0.257	0.364
σ		0.419	0.246	0.293	0.107	1.021	0.014	0.534	0.253	1.002
%RSD		3.224	1.903	2.877	22.470	75.950	9.861	84.590	98.570	275.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:36	0.088	0.065	0.069	0.070	0.045	-0.001	101%	0.124	0.003
2	01:44:43	0.019	0.004	0.045	0.071	0.033	-0.001	100%	-0.452	0.005
3	01:45:51	0.046	0.035	0.122	0.119	0.023	-0.001	96%	0.088	0.021
x		0.051	0.035	0.079	0.086	0.034	-0.001	99%	-0.080	0.010
σ		0.035	0.031	0.039	0.028	0.011	0.000	3%	0.323	0.010
%RSD		67.850	87.280	49.920	32.450	32.070	0.000	3	403.500	106.200

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:36	0.191	0.097	-0.006	-0.031	0.032	-0.014	2.835	2.727	111%
2	01:44:43	0.260	-0.488	0.008	-0.031	0.010	-0.025	2.707	2.751	114%
3	01:45:51	-0.074	0.052	0.004	0.009	0.065	-0.038	2.890	2.515	109%
x		0.126	-0.113	0.002	-0.018	0.035	-0.025	2.810	2.664	111%
σ		0.176	0.325	0.007	0.023	0.028	0.012	0.094	0.130	2%
%RSD		140.100	287.500	457.800	131.500	78.160	48.310	3.347	4.886	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:36	111%	0.018	0.004	0.620	0.583	0.607	106%	0.279
2	01:44:43	111%	0.003	0.002	0.658	0.588	0.594	105%	0.280
3	01:45:51	109%	0.018	0.003	0.674	0.592	0.612	105%	0.308
x		110%	0.013	0.003	0.651	0.588	0.604	105%	0.289
σ		1%	0.009	0.001	0.028	0.004	0.009	1%	0.017
%RSD		1	68.130	33.670	4.283	0.717	1.538	1	5.740

C2339-17X25 MF4Q25 06/05/2011 01:50:25 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	01:51:33	122%	-0.046	42.600	0.000	11260.000	2460.000	2240.000	2218.000	0.660
2	01:52:41	124%	-0.046	44.730	0.000	11760.000	2562.000	2330.000	2352.000	0.786
3	01:53:49	122%	-0.058	41.690	0.000	11790.000	2592.000	2364.000	2317.000	0.901
x		123%	-0.050	43.010	0.000	11600.000	2538.000	2311.000	2296.000	0.782
σ		1%	0.007	1.557	0.000	295.200	69.060	63.840	69.850	0.120
%RSD		1	13.590	3.619	0.000	2.545	2.721	2.762	3.043	15.370

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:51:33	833.000	-8.159	0.000	0.000	258.300	6897.000	7491.000	101%	0.020
2	01:52:41	866.000	-5.191	0.000	0.000	273.700	7378.000	7894.000	99%	0.053
3	01:53:49	880.500	-6.663	0.000	0.000	278.200	7348.000	8069.000	99%	0.115
x		859.900	-6.671	0.000	0.000	270.100	7208.000	7818.000	100%	0.063
σ		24.340	1.484	0.000	0.000	10.430	269.300	296.300	1%	0.049
%RSD		2.830	22.250	0.000	0.000	3.862	3.737	3.790	1	77.580

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:51:33	1.214	24.430	24.720	10.720	0.030	0.020	14.340	0.007	0.112
2	01:52:41	1.089	25.350	25.900	11.540	0.032	1.821	15.830	0.014	0.173
3	01:53:49	0.584	25.150	26.710	12.110	0.050	1.597	14.500	0.021	0.064
x		0.962	24.980	25.780	11.460	0.037	1.146	14.890	0.014	0.117
σ		0.334	0.488	0.996	0.700	0.011	0.982	0.819	0.007	0.055
%RSD		34.680	1.955	3.865	6.114	29.620	85.670	5.501	50.380	46.760

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:51:33	0.132	0.123	0.660	0.619	0.778	0.121	0.370	0.586	0.261
2	01:52:41	0.118	0.139	0.830	0.681	-1.031	0.125	0.754	0.282	0.318
3	01:53:49	0.162	0.215	0.561	0.704	-1.493	0.104	0.368	0.641	0.557
x		0.137	0.159	0.684	0.668	-0.582	0.117	0.497	0.503	0.378
σ		0.023	0.050	0.136	0.044	1.200	0.011	0.222	0.194	0.157
%RSD		16.450	31.160	19.870	6.593	206.200	9.272	44.720	38.500	41.530

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:51:33	0.033	0.013	0.001	0.019	0.014	-0.001	97%	-0.547	0.006
2	01:52:41	-0.014	0.014	0.028	0.009	0.041	-0.001	96%	-0.712	0.001
3	01:53:49	0.021	-0.001	0.001	0.008	0.048	-0.001	97%	-0.017	-0.006
x		0.013	0.008	0.010	0.012	0.034	-0.001	97%	-0.425	0.000
σ		0.025	0.008	0.016	0.006	0.018	0.000	1%	0.363	0.006
%RSD		185.600	98.750	151.900	52.170	52.320	0.000	1	85.480	1633.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:51:33	0.232	-0.579	-0.006	-0.037	-0.066	-0.021	1.302	1.692	109%
2	01:52:41	0.312	-0.746	-0.006	-0.036	-0.047	-0.030	1.273	1.718	109%
3	01:53:49	0.124	-0.051	-0.008	0.005	-0.051	-0.030	1.868	1.752	110%
x		0.223	-0.459	-0.007	-0.023	-0.055	-0.027	1.481	1.721	109%
σ		0.094	0.363	0.001	0.024	0.010	0.005	0.335	0.030	0%
%RSD		42.390	79.050	20.300	106.300	18.640	18.340	22.650	1.724	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:51:33	106%	0.015	0.006	0.045	0.020	0.027	101%	0.261
2	01:52:41	109%	-0.005	-0.003	0.020	0.011	0.021	105%	0.298
3	01:53:49	107%	0.005	-0.000	0.017	0.006	0.014	104%	0.293
x		107%	0.005	0.001	0.027	0.012	0.021	103%	0.284
σ		1%	0.010	0.005	0.016	0.007	0.006	2%	0.020
%RSD		1	201.300	546.200	57.150	58.570	29.980	2	6.989

CCV 06/05/2011 01:58:20 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	01:59:28	119%	455.800	487.100	0.000	50800.000	50730.000	50200.000	48970.000	9548.000
2	02:00:36	118%	462.200	499.000	0.000	50390.000	49310.000	49100.000	49510.000	9707.000
3	02:01:44	118%	456.300	490.200	0.000	50740.000	51360.000	50070.000	50570.000	9817.000
x		118%	458.100	492.100	0.000	50640.000	50460.000	49790.000	49680.000	9691.000
σ		1%	3.558	6.149	0.000	224.400	1051.000	602.900	812.400	135.200
%RSD		0	0.777	1.250	0.000	0.443	2.082	1.211	1.635	1.395

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:28	465.000	8738.000	0.000	0.000	25150.000	53440.000	51240.000	97%	482.500
2	02:00:36	468.100	8847.000	0.000	0.000	25610.000	54960.000	50320.000	97%	486.000
3	02:01:44	470.100	8905.000	0.000	0.000	25710.000	55010.000	51350.000	96%	487.700
x		467.700	8830.000	0.000	0.000	25490.000	54470.000	50970.000	97%	485.400
σ		2.599	84.580	0.000	0.000	295.100	892.900	569.200	0%	2.650
%RSD		0.556	0.958	0.000	0.000	1.158	1.639	1.117	0	0.546

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:28	468.000	477.100	30.010	25230.000	1008.000	26900.000	26490.000	474.100	470.400
2	02:00:36	475.900	486.200	30.310	25440.000	1024.000	26630.000	26280.000	464.100	466.100
3	02:01:44	469.300	473.200	26.500	25370.000	992.700	27080.000	26720.000	467.000	456.600
x		471.100	478.800	28.940	25350.000	1008.000	26870.000	26500.000	468.400	464.400
σ		4.258	6.651	2.116	103.500	15.620	225.800	218.000	5.093	7.053
%RSD		0.904	1.389	7.312	0.408	1.550	0.840	0.823	1.087	1.519

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:28	932.800	946.200	997.800	499.400	525.500	-0.802	513.700	522.300	-0.745
2	02:00:36	921.300	932.200	997.400	493.800	523.800	-0.574	518.400	509.300	2.929
3	02:01:44	922.800	925.100	994.900	488.600	502.500	0.037	514.300	493.200	3.467
x		925.600	934.500	996.700	493.900	517.300	-0.446	515.500	508.300	1.884
σ		6.273	10.750	1.574	5.413	12.820	0.434	2.571	14.530	2.293
%RSD		0.678	1.150	0.158	1.096	2.479	97.220	0.499	2.859	121.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:28	495.000	508.200	495.900	500.100	495.200	0.003	96%	530.200	505.300
2	02:00:36	496.000	495.000	507.000	503.300	497.800	-0.001	96%	527.800	497.900
3	02:01:44	501.700	496.100	502.500	495.600	491.200	0.003	96%	526.100	500.600
x		497.600	499.700	501.800	499.700	494.700	0.002	96%	528.000	501.300
σ		3.583	7.350	5.588	3.855	3.352	0.003	0%	2.084	3.736
%RSD		0.720	1.471	1.114	0.772	0.677	166.100	0	0.395	0.745

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:28	2.171	528.600	502.700	517.200	513.900	517.900	2462.000	2446.000	107%
2	02:00:36	15.420	525.800	494.800	523.800	506.500	526.800	2487.000	2466.000	109%
3	02:01:44	6.671	524.100	500.800	518.800	505.000	520.400	2460.000	2456.000	111%
x		8.086	526.200	499.400	519.900	508.500	521.700	2470.000	2456.000	109%
σ		6.735	2.279	4.104	3.427	4.751	4.597	15.130	10.200	2%
%RSD		83.300	0.433	0.822	0.659	0.934	0.881	0.613	0.415	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:59:28	108%	489.000	484.400	493.500	501.700	498.500	103%	497.800
2	02:00:36	109%	486.200	489.300	494.900	500.600	498.900	104%	488.700
3	02:01:44	109%	487.200	486.800	488.800	487.500	491.200	104%	484.200
x		109%	487.500	486.800	492.400	496.600	496.200	103%	490.200
σ		1%	1.422	2.459	3.174	7.906	4.328	1%	6.905
%RSD		1	0.292	0.505	0.645	1.592	0.872	1	1.409

CCB 06/05/2011 02:06:13 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	02:07:21	118%	-0.002	9.682	0.000	4.585	5.652	6.555	6.133	1.238
2	02:08:29	120%	0.084	11.090	0.000	8.991	7.409	7.873	6.752	1.167
3	02:09:37	118%	0.043	7.662	0.000	9.590	9.639	10.250	9.582	1.758
x		119%	0.042	9.478	0.000	7.722	7.566	8.227	7.489	1.387
σ		1%	0.043	1.723	0.000	2.733	1.998	1.874	1.839	0.323
%RSD		1	102.800	18.180	0.000	35.390	26.410	22.780	24.550	23.250
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:21	-2.990	-0.307	0.000	0.000	7.345	1.121	5.119	98%	0.023
2	02:08:29	-2.851	-0.407	0.000	0.000	10.480	2.935	11.660	96%	0.026
3	02:09:37	-2.647	-1.861	0.000	0.000	11.980	6.174	13.150	95%	0.027
x		-2.829	-0.858	0.000	0.000	9.934	3.410	9.977	97%	0.025
σ		0.173	0.870	0.000	0.000	2.364	2.560	4.272	2%	0.002
%RSD		6.111	101.400	0.000	0.000	23.790	75.070	42.820	2	8.011
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:21	0.089	0.092	15.450	8.298	0.198	1.260	5.542	0.052	0.090
2	02:08:29	-0.232	0.099	15.920	8.083	0.161	2.535	4.911	0.102	0.110
3	02:09:37	-0.355	0.127	15.790	8.754	0.219	3.698	9.120	0.087	0.129
x		-0.166	0.106	15.720	8.378	0.192	2.497	6.524	0.080	0.109
σ		0.229	0.018	0.241	0.343	0.030	1.219	2.270	0.026	0.019
%RSD		138.200	17.410	1.531	4.088	15.370	48.820	34.790	32.120	17.630
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:21	0.115	0.161	0.179	0.193	1.604	0.070	-0.109	0.019	0.565
2	02:08:29	0.139	0.201	0.244	0.418	0.705	0.057	1.220	0.234	-1.037
3	02:09:37	0.171	0.212	0.255	0.438	1.379	0.042	0.629	0.728	-2.107
x		0.142	0.191	0.226	0.350	1.229	0.057	0.580	0.327	-0.860
σ		0.028	0.027	0.041	0.136	0.468	0.014	0.666	0.363	1.345
%RSD		19.890	14.080	18.080	38.850	38.070	24.900	114.800	111.100	156.500
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:21	0.848	0.677	0.554	0.681	0.709	0.003	98%	-0.919	0.121
2	02:08:29	0.496	0.586	0.395	0.427	0.467	-0.001	96%	-1.167	0.109
3	02:09:37	0.348	0.383	0.311	0.416	0.373	-0.001	94%	-1.656	0.106
x		0.564	0.548	0.420	0.508	0.516	0.000	96%	-1.247	0.112
σ		0.257	0.151	0.123	0.150	0.173	0.003	2%	0.376	0.008
%RSD		45.550	27.470	29.330	29.530	33.540	6778.000	2	30.110	7.178
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:07:21	0.481	-0.943	0.081	0.051	0.619	0.668	0.357	0.466	107%
2	02:08:29	0.603	-1.192	0.114	-0.011	0.391	0.417	0.447	0.371	106%
3	02:09:37	0.842	-1.681	0.122	-0.017	0.425	0.459	0.443	0.587	104%
x		0.642	-1.272	0.106	0.008	0.478	0.515	0.416	0.475	105%
σ		0.183	0.376	0.022	0.038	0.123	0.135	0.051	0.108	2%
%RSD		28.540	29.530	20.320	489.300	25.740	26.180	12.190	22.740	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:07:21	106%	0.131	0.106	0.099	0.073	0.088	102%	0.074	
2	02:08:29	106%	0.171	0.131	0.085	0.086	0.087	102%	0.077	
3	02:09:37	100%	0.145	0.141	0.095	0.081	0.095	96%	0.103	
x		104%	0.149	0.126	0.093	0.080	0.090	100%	0.084	
σ		4%	0.020	0.018	0.008	0.007	0.005	3%	0.016	
%RSD		4	13.490	14.370	8.091	8.188	5.186	3	18.820	

C2339-18X25 MF4Q29 06/05/2011 02:14:06 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	02:15:14	122%	0.124	42.460	0.000	9335.000	2745.000	2497.000	2505.000	3.444
2	02:16:23	123%	0.050	43.540	0.000	9384.000	2750.000	2480.000	2520.000	2.669
3	02:17:30	124%	0.054	44.590	0.000	9311.000	2787.000	2517.000	2524.000	2.088
x		123%	0.076	43.530	0.000	9344.000	2761.000	2498.000	2516.000	2.734
σ		1%	0.042	1.067	0.000	37.270	23.010	18.470	10.290	0.680
%RSD		1	54.540	2.450	0.000	0.399	0.833	0.740	0.409	24.890
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:14	943.700	0.526	0.000	0.000	283.100	7564.000	8167.000	96%	0.282
2	02:16:23	960.400	-2.879	0.000	0.000	282.900	7570.000	8156.000	97%	0.089
3	02:17:30	954.100	1.232	0.000	0.000	273.900	7614.000	8102.000	99%	0.238
x		952.800	-0.374	0.000	0.000	280.000	7583.000	8142.000	97%	0.203
σ		8.420	2.198	0.000	0.000	5.245	27.540	34.910	2%	0.101
%RSD		0.884	588.300	0.000	0.000	1.873	0.363	0.429	2	49.920
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:14	1.761	5.034	19.180	17.080	0.358	11.980	32.960	0.156	0.230
2	02:16:23	2.372	5.051	19.180	14.950	0.324	11.110	24.730	0.096	0.176
3	02:17:30	2.864	4.923	18.490	11.960	0.258	10.820	24.860	0.086	0.263
x		2.333	5.003	18.950	14.660	0.313	11.300	27.520	0.113	0.223
σ		0.552	0.070	0.401	2.572	0.051	0.606	4.714	0.038	0.044
%RSD		23.680	1.399	2.117	17.540	16.190	5.358	17.130	33.310	19.560
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:14	3.753	3.632	6.705	0.888	1.415	0.052	1.103	1.046	-0.403
2	02:16:23	3.623	3.751	6.762	0.696	1.173	0.061	0.685	0.752	0.036
3	02:17:30	3.643	3.439	7.089	0.496	-1.640	0.097	1.130	0.017	1.601
x		3.673	3.607	6.852	0.693	0.316	0.070	0.972	0.605	0.411
σ		0.070	0.158	0.207	0.196	1.698	0.024	0.250	0.530	1.053
%RSD		1.894	4.375	3.023	28.260	536.900	34.470	25.670	87.640	256.200
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:14	0.248	0.345	0.447	0.258	0.355	-0.001	94%	2.164	0.108
2	02:16:23	0.370	0.183	0.271	0.193	0.216	-0.001	98%	-0.481	0.045
3	02:17:30	0.151	0.187	0.280	0.169	0.102	-0.001	99%	2.096	0.023
x		0.256	0.238	0.333	0.206	0.224	-0.001	97%	1.260	0.059
σ		0.110	0.092	0.099	0.046	0.126	0.000	3%	1.508	0.044
%RSD		42.820	38.830	29.690	22.300	56.360	0.000	3	119.700	75.030
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:14	-0.921	2.122	0.134	0.231	0.204	0.229	2.461	2.421	106%
2	02:16:23	0.272	-0.509	0.072	0.017	0.139	0.155	2.509	2.216	108%
3	02:17:30	-0.973	2.062	0.036	0.212	0.111	0.114	2.016	1.964	109%
x		-0.541	1.225	0.081	0.153	0.151	0.166	2.329	2.200	108%
σ		0.704	1.502	0.050	0.118	0.048	0.059	0.272	0.229	1%
%RSD		130.200	122.700	61.600	77.130	31.550	35.320	11.670	10.400	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:15:14	104%	0.242	0.170	0.717	0.576	0.606	100%	0.367	
2	02:16:23	107%	0.124	0.097	0.516	0.534	0.527	103%	0.356	
3	02:17:30	109%	0.050	0.058	0.550	0.547	0.528	105%	0.340	
x		106%	0.139	0.108	0.594	0.552	0.554	103%	0.354	
σ		3%	0.097	0.057	0.108	0.022	0.045	3%	0.013	
%RSD		2	69.790	52.760	18.110	3.918	8.128	3	3.784	

C2339-09 MF4Q13 06/05/2011 02:22:01 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	02:23:09	110%	0.044	696.600	0.000	263300.000	52280.000	51550.000	51740.000	15.720
2	02:24:17	111%	0.035	700.500	0.000	245700.000	48870.000	48470.000	47880.000	13.460
3	02:25:25	110%	0.016	716.200	0.000	246500.000	48700.000	48100.000	47360.000	13.420
x		110%	0.032	704.500	0.000	251800.000	49950.000	49370.000	48990.000	14.200
σ		1%	0.014	10.380	0.000	9922.000	2017.000	1897.000	2389.000	1.316
%RSD		1	45.240	1.474	0.000	3.940	4.037	3.842	4.876	9.267

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:09	20970.000	14.450	0.000	0.000	6417.000	184700.000	228500.000	89%	2.636
2	02:24:17	19570.000	12.490	0.000	0.000	5489.000	157200.000	193900.000	106%	1.685
3	02:25:25	18950.000	2.827	0.000	0.000	5458.000	156400.000	190700.000	108%	1.989
x		19830.000	9.924	0.000	0.000	5788.000	166100.000	204300.000	101%	2.103
σ		1032.000	6.224	0.000	0.000	545.300	16120.000	21000.000	11%	0.486
%RSD		5.207	62.710	0.000	0.000	9.421	9.704	10.270	10	23.110

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:09	175.600	4699.000	-72.550	1707.000	0.946	12.160	274.800	0.243	5.115
2	02:24:17	-59.680	4066.000	247.400	1534.000	0.816	4.441	250.500	0.206	4.294
3	02:25:25	-36.350	4034.000	216.400	1530.000	0.754	3.725	255.200	0.199	3.990
x		26.530	4266.000	130.400	1590.000	0.839	6.777	260.200	0.216	4.466
σ		129.600	375.200	176.500	101.100	0.098	4.680	12.890	0.024	0.582
%RSD		488.600	8.795	135.300	6.357	11.680	69.050	4.955	10.900	13.040

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:09	458.700	461.400	410.500	10.370	10.060	0.531	9.857	13.580	0.593
2	02:24:17	416.900	422.600	373.900	8.955	15.750	0.499	7.569	13.380	1.393
3	02:25:25	411.700	417.700	369.100	9.910	17.610	0.503	8.302	14.450	-0.093
x		429.100	433.900	384.500	9.745	14.470	0.511	8.576	13.800	0.631
σ		25.770	23.930	22.670	0.721	3.934	0.018	1.169	0.567	0.743
%RSD		6.005	5.514	5.895	7.403	27.190	3.468	13.630	4.109	117.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:09	1.547	1.218	1.309	1.426	1.226	-0.001	86%	-0.951	0.116
2	02:24:17	1.350	1.321	1.344	1.197	1.146	-0.001	88%	-0.976	0.162
3	02:25:25	1.215	1.414	1.189	1.311	1.311	-0.001	88%	-1.976	0.123
x		1.371	1.318	1.281	1.311	1.228	-0.001	87%	-1.301	0.133
σ		0.167	0.098	0.081	0.115	0.082	0.000	1%	0.585	0.025
%RSD		12.190	7.459	6.344	8.729	6.713	0.000	1	44.950	18.800

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:09	0.601	-0.999	0.136	0.039	4.483	0.314	26.100	24.730	104%
2	02:24:17	0.607	-1.018	0.091	0.144	4.427	0.346	25.190	24.710	103%
3	02:25:25	1.333	-2.014	0.122	-0.017	4.403	0.318	25.920	25.500	104%
x		0.847	-1.344	0.116	0.055	4.438	0.326	25.740	24.980	104%
σ		0.421	0.580	0.023	0.082	0.041	0.018	0.480	0.450	0%
%RSD		49.670	43.180	19.620	147.500	0.931	5.448	1.864	1.801	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:09	105%	0.101	0.081	45.140	41.900	43.410	96%	5.794
2	02:24:17	104%	0.061	0.045	46.640	43.090	44.650	94%	5.958
3	02:25:25	103%	0.038	0.020	45.230	42.520	43.950	94%	5.923
x		104%	0.067	0.049	45.670	42.500	44.000	95%	5.892
σ		1%	0.032	0.031	0.839	0.596	0.626	1%	0.086
%RSD		1	48.300	62.950	1.836	1.401	1.422	1	1.461

C2339-09X25 MF4Q13 06/05/2011 02:29:55 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	02:31:03	122%	-0.058	40.550	0.000	11200.000	2217.000	2000.000	2022.000	1.220
2	02:32:11	122%	-0.028	39.120	0.000	10770.000	2128.000	1893.000	1901.000	1.337
3	02:33:19	121%	-0.003	40.310	0.000	11180.000	2215.000	1975.000	1983.000	1.377
x		122%	-0.030	39.990	0.000	11050.000	2187.000	1956.000	1969.000	1.312
σ		1%	0.028	0.763	0.000	240.500	50.530	56.000	61.560	0.082
%RSD		1	93.390	1.908	0.000	2.177	2.311	2.863	3.127	6.217

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:03	836.700	-0.450	0.000	0.000	248.800	7696.000	8382.000	96%	-0.039
2	02:32:11	791.000	-6.056	0.000	0.000	236.800	7652.000	8116.000	99%	0.054
3	02:33:19	815.900	-1.244	0.000	0.000	243.900	7582.000	8221.000	97%	0.024
x		814.600	-2.583	0.000	0.000	243.200	7643.000	8240.000	97%	0.013
σ		22.890	3.034	0.000	0.000	6.008	57.930	134.100	1%	0.047
%RSD		2.811	117.400	0.000	0.000	2.471	0.758	1.627	1	360.600

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:03	-0.748	182.500	33.150	77.780	0.089	-1.664	13.990	0.009	0.254
2	02:32:11	-1.917	172.700	32.850	73.120	0.089	-2.916	16.260	0.002	0.292
3	02:33:19	0.131	179.900	28.950	75.310	0.127	-1.206	20.810	0.022	0.263
x		-0.845	178.400	31.650	75.410	0.102	-1.929	17.020	0.011	0.269
σ		1.028	5.103	2.340	2.330	0.022	0.885	3.473	0.010	0.020
%RSD		121.700	2.861	7.394	3.091	21.350	45.890	20.410	91.080	7.321

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:03	20.370	21.160	19.840	0.646	0.060	0.152	0.186	0.442	4.550
2	02:32:11	20.350	20.480	17.960	0.656	2.787	0.111	0.249	0.862	0.905
3	02:33:19	21.280	20.910	19.450	0.591	0.278	0.128	0.642	0.240	2.156
x		20.670	20.850	19.080	0.631	1.041	0.130	0.359	0.515	2.537
σ		0.529	0.342	0.994	0.035	1.516	0.021	0.247	0.317	1.853
%RSD		2.559	1.641	5.206	5.552	145.500	15.980	68.850	61.680	73.020

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:03	0.083	0.021	0.055	0.030	0.049	-0.001	97%	-0.403	0.001
2	02:32:11	0.169	0.035	0.022	0.086	0.063	-0.001	96%	-1.116	-0.001
3	02:33:19	0.098	0.067	0.119	0.066	0.052	-0.001	94%	-0.266	-0.001
x		0.117	0.041	0.065	0.061	0.055	-0.001	95%	-0.595	-0.000
σ		0.046	0.023	0.049	0.028	0.007	0.000	2%	0.456	0.001
%RSD		39.260	57.220	75.510	46.360	13.390	0.000	2	76.710	619.900

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:03	0.161	-0.433	0.001	-0.008	0.134	0.013	0.904	0.940	108%
2	02:32:11	0.580	-1.145	0.008	-0.068	0.156	0.005	1.067	1.067	107%
3	02:33:19	0.251	-0.303	0.014	-0.049	0.160	-0.012	1.114	1.309	107%
x		0.331	-0.627	0.008	-0.042	0.150	0.002	1.028	1.105	107%
σ		0.221	0.453	0.006	0.030	0.014	0.013	0.110	0.188	0%
%RSD		66.730	72.330	82.030	72.820	9.388	549.100	10.710	16.980	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:03	106%	0.019	0.001	1.892	1.791	1.855	99%	0.217
2	02:32:11	106%	0.009	0.008	1.745	1.709	1.693	104%	0.203
3	02:33:19	105%	0.009	0.016	1.977	1.701	1.812	101%	0.217
x		106%	0.012	0.008	1.871	1.733	1.787	101%	0.213
σ		1%	0.006	0.007	0.117	0.050	0.084	3%	0.008
%RSD		1	49.330	91.720	6.275	2.871	4.694	3	3.844

C2339-19 MF4Q58 06/05/2011 02:37:50 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	02:38:58	108%	0.011	642.200	0.000	198400.000	36340.000	35660.000	35460.000	2.824
2	02:40:06	110%	-0.037	626.500	0.000	193700.000	35520.000	35240.000	34100.000	2.549
3	02:41:14	107%	-0.036	653.800	0.000	195500.000	36320.000	35810.000	35330.000	2.489
x		108%	-0.021	640.800	0.000	195900.000	36060.000	35570.000	34960.000	2.621
σ		1%	0.027	13.660	0.000	2370.000	466.500	293.900	748.100	0.179
%RSD		1	130.300	2.132	0.000	1.210	1.294	0.826	2.140	6.811

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:58	20560.000	32.890	0.000	0.000	7171.000	198700.000	218200.000	106%	1.359
2	02:40:06	20010.000	33.100	0.000	0.000	6955.000	195200.000	207300.000	108%	1.360
3	02:41:14	19880.000	48.680	0.000	0.000	7203.000	198900.000	213100.000	106%	1.191
x		20150.000	38.220	0.000	0.000	7110.000	197600.000	212900.000	107%	1.303
σ		361.500	9.057	0.000	0.000	135.100	2087.000	5459.000	1%	0.097
%RSD		1.794	23.690	0.000	0.000	1.901	1.056	2.564	1	7.442

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:58	23.350	450.400	123.300	237.800	1.258	66.200	334.000	0.235	3.581
2	02:40:06	20.010	436.900	131.200	235.000	1.172	62.520	320.600	0.248	3.067
3	02:41:14	20.980	443.600	141.500	250.000	1.270	63.300	309.300	0.239	3.592
x		21.440	443.600	132.000	240.900	1.234	64.010	321.300	0.241	3.413
σ		1.720	6.743	9.090	7.995	0.054	1.939	12.350	0.007	0.300
%RSD		8.021	1.520	6.886	3.318	4.355	3.030	3.844	2.731	8.800

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:58	3.489	3.177	246.800	6.266	15.420	0.614	9.823	17.010	-0.850
2	02:40:06	3.328	3.254	234.400	6.633	21.040	0.526	10.900	17.410	1.132
3	02:41:14	3.267	3.662	244.800	7.125	13.960	0.615	9.759	15.200	1.912
x		3.362	3.364	242.000	6.675	16.800	0.585	10.160	16.540	0.731
σ		0.115	0.260	6.678	0.431	3.738	0.051	0.642	1.177	1.424
%RSD		3.414	7.741	2.759	6.457	22.240	8.757	6.319	7.118	194.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:58	0.681	0.822	0.551	0.683	0.610	0.004	85%	0.007	0.038
2	02:40:06	0.540	0.609	0.696	0.746	0.564	-0.001	86%	-2.738	0.015
3	02:41:14	0.545	0.566	0.615	0.721	0.682	0.004	84%	-1.252	0.021
x		0.589	0.665	0.621	0.717	0.618	0.002	85%	-1.328	0.025
σ		0.080	0.137	0.072	0.032	0.060	0.003	1%	1.374	0.012
%RSD		13.550	20.590	11.670	4.429	9.636	151.300	2	103.500	47.650

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:58	0.056	-0.043	0.043	0.006	0.257	0.096	50.090	48.740	102%
2	02:40:06	1.377	-2.776	0.016	-0.161	0.332	0.066	48.440	48.180	104%
3	02:41:14	0.665	-1.299	0.020	-0.043	0.293	0.059	51.770	48.070	102%
x		0.700	-1.373	0.026	-0.066	0.294	0.074	50.100	48.330	102%
σ		0.661	1.368	0.015	0.086	0.038	0.019	1.668	0.358	1%
%RSD		94.500	99.650	56.310	130.000	12.860	26.440	3.328	0.740	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:58	102%	0.040	0.029	0.401	0.465	0.436	94%	5.383
2	02:40:06	102%	0.026	0.018	0.468	0.431	0.459	97%	5.391
3	02:41:14	103%	0.041	0.031	0.489	0.451	0.474	93%	5.524
x		102%	0.036	0.026	0.453	0.449	0.456	95%	5.433
σ		1%	0.008	0.007	0.046	0.017	0.019	2%	0.079
%RSD		1	22.770	26.400	10.140	3.875	4.167	2	1.455

C2339-20 MF4Q59 06/05/2011 02:45:45 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	02:46:53	110%	-0.024	631.800	0.000	194000.000	35880.000	35310.000	35510.000	1.719
2	02:48:01	109%	0.003	652.500	0.000	194100.000	36110.000	35330.000	35140.000	1.863
3	02:49:09	110%	-0.017	649.300	0.000	196500.000	36820.000	35650.000	35370.000	2.076
x		110%	-0.013	644.500	0.000	194900.000	36270.000	35430.000	35340.000	1.886
σ		1%	0.014	11.130	0.000	1410.000	491.100	188.600	185.100	0.180
%RSD		1	110.900	1.727	0.000	0.724	1.354	0.532	0.524	9.537

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:46:53	19860.000	32.240	0.000	0.000	7050.000	198200.000	213600.000	107%	1.609
2	02:48:01	20090.000	30.160	0.000	0.000	7253.000	197300.000	211400.000	105%	1.469
3	02:49:09	20300.000	39.700	0.000	0.000	7156.000	200800.000	214000.000	107%	1.471
x		20090.000	34.030	0.000	0.000	7153.000	198700.000	213000.000	106%	1.516
σ		220.000	5.021	0.000	0.000	101.700	1846.000	1410.000	1%	0.081
%RSD		1.096	14.760	0.000	0.000	1.422	0.929	0.662	1	5.314

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:46:53	18.180	439.900	141.500	222.400	0.210	49.620	301.300	0.213	3.228
2	02:48:01	20.540	447.900	146.500	229.100	0.217	49.780	288.800	0.205	3.111
3	02:49:09	23.380	449.000	145.900	223.700	0.274	51.810	307.300	0.181	3.104
x		20.700	445.600	144.600	225.100	0.234	50.400	299.100	0.200	3.148
σ		2.607	4.970	2.764	3.552	0.035	1.219	9.449	0.017	0.070
%RSD		12.590	1.115	1.911	1.578	14.930	2.418	3.159	8.536	2.219

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:46:53	2.377	2.708	231.800	6.414	22.820	0.569	9.813	17.420	-0.928
2	02:48:01	2.296	2.259	237.200	7.130	19.620	0.548	10.580	17.670	3.548
3	02:49:09	2.551	2.460	235.400	6.653	18.410	0.669	10.910	18.900	1.497
x		2.408	2.476	234.800	6.732	20.280	0.596	10.430	18.000	1.372
σ		0.130	0.225	2.761	0.364	2.282	0.064	0.564	0.790	2.241
%RSD		5.405	9.076	1.176	5.412	11.250	10.830	5.408	4.391	163.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:46:53	0.689	0.670	0.594	0.618	0.631	-0.001	88%	-1.832	0.012
2	02:48:01	0.701	0.573	0.596	0.808	0.494	-0.001	86%	-0.984	0.005
3	02:49:09	0.692	0.577	0.623	0.657	0.604	-0.001	86%	0.494	0.018
x		0.694	0.607	0.604	0.694	0.576	-0.001	87%	-0.774	0.012
σ		0.006	0.055	0.016	0.101	0.073	0.000	1%	1.177	0.006
%RSD		0.862	9.128	2.674	14.510	12.650	0.000	1	152.100	53.410

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:46:53	0.859	-1.876	0.008	-0.090	0.104	0.067	48.430	48.560	106%
2	02:48:01	0.452	-1.034	0.013	-0.042	-0.019	0.031	46.220	47.040	106%
3	02:49:09	-0.261	0.439	-0.003	0.032	-0.022	0.041	48.100	49.130	103%
x		0.350	-0.824	0.006	-0.033	0.021	0.046	47.590	48.250	105%
σ		0.567	1.172	0.008	0.061	0.072	0.019	1.192	1.081	2%
%RSD		162.000	142.300	130.500	185.700	345.800	39.960	2.506	2.240	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:46:53	107%	0.008	0.013	0.321	0.291	0.312	96%	5.470
2	02:48:01	104%	0.008	0.006	0.365	0.320	0.311	96%	5.488
3	02:49:09	103%	0.012	0.005	0.305	0.326	0.327	95%	5.473
x		105%	0.009	0.008	0.330	0.312	0.317	96%	5.477
σ		2%	0.002	0.004	0.031	0.018	0.009	0%	0.010
%RSD		2	26.290	50.370	9.379	5.877	2.891	0	0.177

C2339-19X25 MF4Q58 06/05/2011 02:53:41 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	02:54:49	128%	-0.041	41.720	0.000	8595.000	1608.000	1458.000	1449.000	2.875
2	02:55:57	125%	-0.046	45.260	0.000	9181.000	1710.000	1514.000	1543.000	3.349
3	02:57:05	129%	-0.064	36.870	0.000	9050.000	1721.000	1531.000	1525.000	2.989
x		127%	-0.051	41.280	0.000	8942.000	1680.000	1501.000	1506.000	3.071
σ		2%	0.012	4.216	0.000	307.500	62.100	38.540	49.980	0.247
%RSD		1	23.920	10.210	0.000	3.439	3.697	2.568	3.320	8.053

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:49	846.300	-11.060	0.000	0.000	301.700	8216.000	9099.000	101%	0.263
2	02:55:57	890.200	-2.239	0.000	0.000	323.900	8770.000	9728.000	99%	0.084
3	02:57:05	876.900	-2.926	0.000	0.000	319.000	8784.000	9744.000	99%	0.366
x		871.100	-5.410	0.000	0.000	314.900	8590.000	9524.000	100%	0.237
σ		22.510	4.908	0.000	0.000	11.660	324.100	367.700	1%	0.143
%RSD		2.584	90.730	0.000	0.000	3.704	3.773	3.861	1	60.050

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:49	-0.046	21.500	39.510	10.110	0.086	-0.135	18.320	0.007	0.144
2	02:55:57	-0.653	22.950	38.410	15.800	0.118	0.880	20.140	0.013	0.165
3	02:57:05	0.992	23.500	36.440	16.860	0.099	2.716	21.560	0.016	0.282
x		0.098	22.650	38.120	14.260	0.101	1.154	20.010	0.012	0.197
σ		0.832	1.034	1.560	3.628	0.016	1.445	1.625	0.005	0.074
%RSD		851.200	4.563	4.092	25.450	15.970	125.200	8.124	39.180	37.680

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:49	0.141	0.211	13.490	0.567	0.908	0.152	0.567	1.243	-1.424
2	02:55:57	0.163	0.091	14.860	0.230	-0.783	0.183	0.644	0.390	2.879
3	02:57:05	0.187	0.259	14.730	0.479	1.910	0.152	0.564	0.646	-0.247
x		0.164	0.187	14.360	0.426	0.678	0.162	0.592	0.760	0.403
σ		0.023	0.087	0.759	0.175	1.361	0.018	0.046	0.438	2.224
%RSD		14.130	46.420	5.284	41.150	200.600	10.950	7.701	57.610	552.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:49	0.056	0.033	0.001	-0.003	-0.004	-0.001	99%	-0.868	-0.006
2	02:55:57	0.035	-0.007	0.009	-0.024	-0.002	-0.001	95%	-0.501	-0.015
3	02:57:05	0.034	-0.001	-0.005	0.030	0.001	-0.001	97%	0.498	-0.010
x		0.042	0.008	0.002	0.001	-0.002	-0.001	97%	-0.290	-0.010
σ		0.012	0.022	0.007	0.028	0.003	0.000	2%	0.707	0.004
%RSD		30.040	262.500	461.600	3025.000	172.500	0.000	2	243.400	43.560

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:49	0.382	-0.890	-0.011	-0.063	-0.021	-0.018	2.007	2.255	107%
2	02:55:57	0.210	-0.534	-0.013	-0.034	-0.026	-0.018	2.141	2.265	107%
3	02:57:05	-0.274	0.466	-0.013	0.014	-0.020	-0.030	2.018	1.969	107%
x		0.106	-0.319	-0.012	-0.028	-0.022	-0.022	2.055	2.163	107%
σ		0.340	0.703	0.001	0.039	0.003	0.007	0.074	0.168	0%
%RSD		321.500	220.400	10.900	140.200	15.510	30.280	3.602	7.773	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:49	105%	0.003	-0.005	0.049	0.013	0.029	104%	0.195
2	02:55:57	106%	0.005	-0.001	0.053	-0.001	0.033	101%	0.204
3	02:57:05	107%	0.003	-0.004	0.046	0.018	0.029	104%	0.224
x		106%	0.004	-0.003	0.049	0.010	0.030	103%	0.208
σ		1%	0.001	0.002	0.003	0.010	0.002	2%	0.015
%RSD		1	36.610	54.020	6.782	99.230	7.177	2	7.118

C2339-20X25 MF4Q59 06/05/2011 03:01:37 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	03:02:45	129%	-0.030	36.330	0.000	8968.000	1648.000	1494.000	1482.000	0.939
2	03:03:53	131%	-0.047	33.860	0.000	8951.000	1648.000	1457.000	1479.000	1.085
3	03:05:01	132%	-0.025	33.970	0.000	8790.000	1676.000	1452.000	1475.000	1.119
x		131%	-0.034	34.720	0.000	8903.000	1657.000	1468.000	1479.000	1.048
σ		2%	0.012	1.399	0.000	98.200	16.450	23.190	3.855	0.096
%RSD		1	34.000	4.029	0.000	1.103	0.993	1.580	0.261	9.130

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:45	867.000	-3.585	0.000	0.000	325.700	8754.000	9569.000	103%	0.018
2	03:03:53	873.200	-6.754	0.000	0.000	319.000	8682.000	9359.000	104%	0.016
3	03:05:01	862.400	-1.878	0.000	0.000	312.300	8617.000	9334.000	105%	-0.044
x		867.500	-4.072	0.000	0.000	319.000	8684.000	9421.000	104%	-0.003
σ		5.426	2.474	0.000	0.000	6.682	68.490	129.000	1%	0.035
%RSD		0.626	60.760	0.000	0.000	2.095	0.789	1.369	1	1029.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:45	-0.493	21.990	30.660	14.270	0.058	0.954	17.270	0.015	0.181
2	03:03:53	0.156	22.060	29.440	10.800	0.069	1.396	17.150	0.017	0.290
3	03:05:01	0.715	21.830	27.840	12.910	0.110	0.855	19.440	0.011	0.256
x		0.126	21.960	29.310	12.660	0.079	1.068	17.950	0.014	0.242
σ		0.605	0.116	1.411	1.745	0.027	0.288	1.290	0.003	0.056
%RSD		481.500	0.530	4.815	13.780	34.290	26.970	7.185	18.670	23.090

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:45	0.166	0.171	11.680	0.267	0.317	0.161	0.595	0.602	0.044
2	03:03:53	0.122	0.156	11.280	0.390	1.695	0.132	0.327	1.146	-0.743
3	03:05:01	0.140	0.108	11.560	0.324	-1.115	0.150	0.391	0.889	-1.040
x		0.143	0.145	11.510	0.327	0.299	0.148	0.438	0.879	-0.580
σ		0.022	0.033	0.201	0.062	1.405	0.015	0.140	0.272	0.560
%RSD		15.640	22.660	1.748	18.910	470.000	9.983	31.910	30.950	96.590

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:45	0.006	0.030	-0.014	0.047	0.003	-0.001	103%	-0.897	0.000
2	03:03:53	0.052	0.030	-0.039	0.047	0.007	-0.001	102%	0.763	-0.006
3	03:05:01	0.028	0.003	0.011	0.057	-0.018	-0.001	103%	0.553	0.000
x		0.029	0.021	-0.014	0.050	-0.003	-0.001	103%	0.140	-0.002
σ		0.023	0.016	0.025	0.006	0.013	0.000	1%	0.904	0.004
%RSD		79.590	75.490	176.100	11.070	491.000	0.000	1	646.100	186.300

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:45	0.467	-0.920	-0.004	-0.073	-0.073	-0.030	1.682	1.846	112%
2	03:03:53	-0.402	0.731	0.003	0.038	-0.036	-0.025	1.827	2.331	113%
3	03:05:01	-0.299	0.518	-0.002	0.035	-0.033	-0.033	2.145	2.334	116%
x		-0.078	0.110	-0.001	-0.000	-0.047	-0.029	1.885	2.170	114%
σ		0.475	0.898	0.003	0.064	0.022	0.004	0.236	0.281	2%
%RSD		606.400	818.200	279.600	50640.000	46.280	14.290	12.540	12.940	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:45	110%	0.017	0.001	0.041	0.021	0.027	110%	0.191
2	03:03:53	114%	0.006	-0.003	0.032	0.045	0.030	110%	0.212
3	03:05:01	114%	0.006	0.003	0.045	0.011	0.015	111%	0.215
x		113%	0.010	0.000	0.039	0.026	0.024	110%	0.206
σ		2%	0.006	0.003	0.007	0.017	0.008	1%	0.013
%RSD		2	67.300	787.900	17.230	67.140	34.270	1	6.281

zzzzzz 06/05/2011 03:09:32 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	03:10:41	133%	-0.020	5.391	0.000	26.490	3.957	4.134	4.128	0.451
2	03:11:49	134%	-0.026	5.962	0.000	28.430	4.667	5.336	4.786	0.447
3	03:12:57	133%	-0.025	5.651	0.000	16.220	2.365	2.726	2.682	0.327
x		133%	-0.024	5.668	0.000	23.720	3.663	4.065	3.865	0.408
σ		1%	0.003	0.286	0.000	6.562	1.179	1.306	1.077	0.070
%RSD		0	13.490	5.050	0.000	27.670	32.190	32.130	27.850	17.250

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:41	-0.150	-3.940	0.000	0.000	-4.493	31.810	32.130	104%	-0.043
2	03:11:49	0.436	-3.132	0.000	0.000	-2.267	28.000	32.470	103%	-0.073
3	03:12:57	-0.853	-3.582	0.000	0.000	0.025	6.557	23.970	101%	-0.072
x		-0.189	-3.551	0.000	0.000	-2.245	22.120	29.530	103%	-0.063
σ		0.645	0.405	0.000	0.000	2.259	13.620	4.814	1%	0.017
%RSD		341.700	11.400	0.000	0.000	100.600	61.540	16.300	1	26.640

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:41	-0.605	0.207	19.260	-0.335	-0.004	-1.297	1.569	-0.000	0.012
2	03:11:49	-1.167	0.244	19.200	1.338	0.016	-1.032	0.959	-0.000	-0.003
3	03:12:57	0.078	0.175	17.670	5.051	-0.005	-0.794	1.866	-0.004	0.054
x		-0.565	0.209	18.710	2.018	0.002	-1.041	1.464	-0.001	0.021
σ		0.624	0.035	0.903	2.757	0.012	0.252	0.462	0.002	0.030
%RSD		110.400	16.560	4.825	136.600	487.200	24.160	31.570	142.400	141.400

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:41	0.036	-0.011	0.124	-0.227	-3.176	0.127	-0.232	-0.041	0.291
2	03:11:49	0.024	0.010	0.091	-0.003	-1.828	0.110	0.903	-0.536	1.917
3	03:12:57	0.015	0.011	0.091	-0.118	-0.913	0.114	-0.676	-0.037	0.707
x		0.025	0.003	0.102	-0.116	-1.972	0.117	-0.002	-0.205	0.972
σ		0.010	0.012	0.019	0.112	1.138	0.009	0.814	0.287	0.844
%RSD		41.700	376.700	18.380	96.560	57.720	7.867	49270.000	140.500	86.880

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:41	0.018	-0.024	-0.033	-0.004	-0.030	-0.001	103%	-0.228	-0.012
2	03:11:49	-0.028	-0.030	-0.045	0.016	-0.038	-0.001	102%	0.570	-0.008
3	03:12:57	0.067	-0.037	-0.045	-0.025	-0.034	-0.001	100%	-0.083	-0.015
x		0.019	-0.030	-0.041	-0.004	-0.034	-0.001	102%	0.087	-0.012
σ		0.047	0.007	0.007	0.021	0.004	0.000	2%	0.425	0.003
%RSD		251.700	21.440	17.460	485.100	12.010	0.000	2	491.400	27.700

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:41	0.144	-0.254	-0.002	-0.026	-0.072	-0.025	-0.020	0.000	112%
2	03:11:49	-0.312	0.546	0.000	0.038	-0.057	-0.030	0.013	-0.028	111%
3	03:12:57	0.003	-0.107	-0.004	-0.009	-0.060	-0.027	0.015	-0.028	108%
x		-0.055	0.062	-0.002	0.001	-0.063	-0.027	0.003	-0.018	110%
σ		0.234	0.426	0.002	0.033	0.008	0.003	0.020	0.016	2%
%RSD		426.100	689.900	116.700	3992.000	12.780	9.734	777.600	88.170	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:10:41	112%	0.016	0.004	0.010	0.000	0.007	106%	-0.003
2	03:11:49	110%	0.021	0.002	0.005	0.007	-0.001	109%	-0.001
3	03:12:57	110%	0.008	0.002	0.005	0.008	0.004	106%	-0.003
x		111%	0.015	0.003	0.006	0.005	0.003	107%	-0.002
σ		1%	0.006	0.001	0.003	0.004	0.004	2%	0.001
%RSD		1	42.150	41.550	43.310	81.410	125.400	1	66.350

zzzzzz 06/05/2011 03:17:29 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	03:18:37	129%	-0.036	5.132	0.000	9.953	1.483	2.179	2.021	0.746
2	03:19:45	133%	-0.042	4.297	0.000	12.110	1.644	2.381	2.201	0.675
3	03:20:53	131%	0.020	4.285	0.000	10.830	1.539	1.665	1.464	0.714
x		131%	-0.019	4.572	0.000	10.960	1.556	2.075	1.895	0.712
σ		2%	0.034	0.486	0.000	1.084	0.082	0.369	0.384	0.035
%RSD		1	178.700	10.620	0.000	9.890	5.244	17.790	20.280	4.953
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:37	-1.462	-6.154	0.000	0.000	-0.467	13.810	10.310	102%	-0.072
2	03:19:45	-0.863	-3.676	0.000	0.000	-1.051	15.060	13.880	103%	-0.043
3	03:20:53	-0.743	-2.421	0.000	0.000	1.453	3.618	15.210	102%	-0.042
x		-1.023	-4.084	0.000	0.000	-0.022	10.830	13.130	102%	-0.052
σ		0.385	1.900	0.000	0.000	1.310	6.275	2.533	1%	0.017
%RSD		37.670	46.520	0.000	0.000	6073.000	57.950	19.290	1	33.260
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:37	-0.474	0.126	15.500	3.912	0.024	-0.431	2.901	-0.004	0.167
2	03:19:45	-0.189	0.165	15.370	4.111	0.062	-0.355	4.271	0.002	0.101
3	03:20:53	-0.149	0.084	14.970	3.397	0.063	0.804	4.111	0.005	0.103
x		-0.270	0.125	15.280	3.806	0.050	0.006	3.761	0.001	0.124
σ		0.177	0.041	0.278	0.368	0.022	0.692	0.749	0.004	0.038
%RSD		65.470	32.440	1.818	9.680	44.670	11090.000	19.910	414.500	30.570
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:37	-0.005	-0.010	0.218	-0.019	0.446	0.075	-0.092	-0.189	-0.107
2	03:19:45	0.004	0.010	0.181	-0.053	-0.286	0.087	1.492	-0.488	0.880
3	03:20:53	0.012	0.038	0.150	0.024	-0.489	0.078	0.517	-0.948	2.310
x		0.004	0.013	0.183	-0.016	-0.110	0.080	0.639	-0.541	1.028
σ		0.008	0.024	0.034	0.039	0.492	0.006	0.799	0.382	1.215
%RSD		234.200	188.000	18.790	244.500	447.900	7.610	125.100	70.650	118.200
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:37	0.031	-0.030	-0.019	-0.014	-0.034	0.003	100%	-0.297	-0.001
2	03:19:45	-0.028	-0.024	-0.014	-0.015	-0.026	-0.001	102%	-0.156	-0.008
3	03:20:53	-0.004	-0.023	-0.045	-0.014	-0.029	0.003	100%	-0.012	-0.010
x		-0.000	-0.026	-0.026	-0.014	-0.030	0.001	100%	-0.155	-0.007
σ		0.030	0.004	0.017	0.000	0.004	0.002	1%	0.142	0.005
%RSD		23260.000	14.980	64.640	1.547	13.540	172.600	1	92.060	69.020
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:37	0.107	-0.321	-0.004	-0.021	-0.041	-0.022	-0.036	0.002	108%
2	03:19:45	0.184	-0.188	-0.006	-0.041	-0.054	-0.028	-0.020	0.028	114%
3	03:20:53	0.045	-0.045	-0.006	-0.015	-0.019	-0.025	-0.020	-0.009	112%
x		0.112	-0.185	-0.006	-0.026	-0.038	-0.025	-0.025	0.007	111%
σ		0.070	0.138	0.001	0.013	0.017	0.003	0.009	0.019	3%
%RSD		62.040	74.860	25.240	52.560	45.660	12.380	36.370	270.400	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:18:37	109%	0.006	0.002	0.019	-0.005	0.005	107%	0.000	
2	03:19:45	113%	0.006	0.005	0.007	-0.003	-0.000	110%	-0.001	
3	03:20:53	110%	0.004	0.008	0.002	-0.002	-0.001	107%	-0.000	
x		111%	0.006	0.005	0.009	-0.003	0.001	108%	-0.000	
σ		2%	0.001	0.003	0.009	0.001	0.003	1%	0.001	
%RSD		2	18.820	60.490	90.900	38.940	227.300	1	167.100	

zzzzzz 06/05/2011 03:25:27 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	03:26:35	135%	-0.059	3.681	0.000	5.710	0.889	0.819	0.840	0.464
2	03:27:43	135%	-0.048	4.411	0.000	2.517	0.694	1.021	0.911	0.455
3	03:28:51	137%	-0.021	2.019	0.000	-1.229	0.166	0.314	0.512	0.343
x		135%	-0.043	3.370	0.000	2.333	0.583	0.718	0.754	0.420
σ		1%	0.019	1.226	0.000	3.473	0.374	0.364	0.213	0.067
%RSD		1	45.400	36.380	0.000	148.900	64.150	50.720	28.250	15.940
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:35	-2.363	-7.033	0.000	0.000	-4.602	2.868	9.663	107%	0.041
2	03:27:43	-2.059	-2.993	0.000	0.000	-5.453	2.838	8.674	107%	-0.045
3	03:28:51	-2.996	-5.226	0.000	0.000	-5.665	-1.280	4.424	107%	-0.016
x		-2.473	-5.084	0.000	0.000	-5.240	1.475	7.587	107%	-0.007
σ		0.478	2.024	0.000	0.000	0.563	2.386	2.784	0%	0.044
%RSD		19.320	39.810	0.000	0.000	10.730	161.800	36.690	0	652.700
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:35	-0.802	0.118	13.200	2.414	-0.023	-1.790	3.256	0.009	-0.020
2	03:27:43	-0.371	0.093	12.290	-0.844	-0.001	-2.114	0.075	-0.001	-0.005
3	03:28:51	0.174	0.024	11.810	-0.905	0.018	-1.554	2.988	-0.002	0.080
x		-0.333	0.078	12.430	0.222	-0.002	-1.819	2.106	0.002	0.019
σ		0.489	0.049	0.704	1.899	0.021	0.281	1.764	0.006	0.054
%RSD		146.900	62.200	5.666	856.000	1081.000	15.430	83.780	285.000	287.600
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:35	-0.005	0.026	0.067	0.123	-0.339	0.056	0.848	-0.094	1.134
2	03:27:43	0.013	0.038	0.098	-0.134	-2.661	0.098	0.536	-1.029	2.514
3	03:28:51	-0.011	0.007	-0.053	0.060	0.327	0.054	-0.415	-0.141	-0.882
x		-0.001	0.024	0.038	0.016	-0.891	0.069	0.323	-0.421	0.922
σ		0.013	0.016	0.080	0.134	1.569	0.025	0.658	0.527	1.708
%RSD		1236.000	65.430	211.700	828.100	176.100	35.870	203.500	125.200	185.200
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:35	0.048	-0.044	-0.027	0.024	-0.019	-0.001	107%	-0.647	-0.008
2	03:27:43	0.014	-0.044	-0.028	-0.026	-0.023	-0.001	110%	-0.661	-0.007
3	03:28:51	0.015	-0.025	-0.039	-0.035	-0.026	-0.001	107%	0.093	-0.008
x		0.026	-0.038	-0.032	-0.012	-0.023	-0.001	108%	-0.405	-0.008
σ		0.019	0.011	0.007	0.032	0.004	0.000	2%	0.431	0.001
%RSD		75.930	29.860	21.460	260.000	17.210	0.000	2	106.600	13.280
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:35	0.345	-0.674	-0.005	-0.033	-0.071	-0.036	0.010	-0.019	118%
2	03:27:43	0.282	-0.684	-0.009	-0.052	-0.062	-0.039	-0.022	0.007	119%
3	03:28:51	-0.081	0.068	-0.011	0.009	-0.070	-0.036	-0.037	-0.028	116%
x		0.182	-0.430	-0.008	-0.025	-0.068	-0.037	-0.016	-0.014	118%
σ		0.230	0.431	0.003	0.031	0.005	0.002	0.024	0.018	2%
%RSD		126.400	100.200	40.380	124.500	7.707	4.287	144.300	134.500	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:26:35	118%	0.019	0.007	0.006	-0.001	-0.000	115%	-0.003	
2	03:27:43	118%	0.009	0.003	0.002	-0.017	-0.003	115%	-0.003	
3	03:28:51	116%	0.004	0.006	0.011	0.008	0.004	114%	-0.002	
x		117%	0.011	0.005	0.006	-0.004	0.000	115%	-0.003	
σ		1%	0.008	0.002	0.004	0.013	0.004	0%	0.000	
%RSD		1	76.060	33.100	72.550	360.300	1178.000	0	16.490	

CCV 06/05/2011 03:33:22 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	03:34:30	123%	464.800	482.800	0.000	51130.000	51040.000	49730.000	50080.000	9834.000
2	03:35:38	123%	465.800	487.300	0.000	50030.000	49760.000	49920.000	49910.000	9693.000
3	03:36:45	123%	465.900	498.800	0.000	49880.000	50770.000	50120.000	49550.000	9620.000
x		123%	465.500	489.600	0.000	50350.000	50520.000	49920.000	49850.000	9716.000
σ		0%	0.577	8.271	0.000	679.200	679.200	196.600	272.900	109.000
%RSD		0	0.124	1.689	0.000	1.349	1.344	0.394	0.547	1.121

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:30	469.800	8848.000	0.000	0.000	25660.000	54570.000	51150.000	97%	483.800
2	03:35:38	469.000	8838.000	0.000	0.000	25080.000	53680.000	50160.000	97%	481.600
3	03:36:45	473.200	8734.000	0.000	0.000	25840.000	55980.000	51390.000	95%	501.300
x		470.700	8807.000	0.000	0.000	25530.000	54740.000	50900.000	96%	488.900
σ		2.229	63.120	0.000	0.000	397.800	1156.000	650.600	1%	10.790
%RSD		0.474	0.717	0.000	0.000	1.558	2.111	1.278	1	2.207

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:30	488.000	498.000	16.010	25850.000	1026.000	27330.000	27520.000	491.900	476.700
2	03:35:38	483.800	491.400	19.350	25710.000	1034.000	27540.000	26770.000	487.900	474.900
3	03:36:45	497.500	496.600	19.500	26090.000	1036.000	28030.000	28020.000	484.900	482.300
x		489.700	495.300	18.290	25880.000	1032.000	27640.000	27440.000	488.200	478.000
σ		6.997	3.493	1.971	192.100	5.132	359.700	632.100	3.544	3.901
%RSD		1.429	0.705	10.780	0.742	0.497	1.302	2.304	0.726	0.816

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:30	944.900	973.400	1013.000	496.000	529.700	-0.348	515.900	515.100	1.269
2	03:35:38	964.000	968.700	1026.000	505.900	554.500	-0.281	521.800	520.600	5.304
3	03:36:45	969.100	976.100	1013.000	503.600	493.100	-0.229	531.300	521.700	2.754
x		959.300	972.700	1018.000	501.800	525.800	-0.286	523.000	519.100	3.109
σ		12.790	3.737	7.459	5.177	30.910	0.060	7.794	3.517	2.041
%RSD		1.333	0.384	0.733	1.032	5.879	20.880	1.490	0.677	65.660

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:30	510.900	509.100	497.700	498.800	500.200	0.008	95%	511.600	501.800
2	03:35:38	510.400	515.400	509.500	518.600	518.700	-0.001	94%	533.800	507.900
3	03:36:45	507.600	516.500	515.800	508.400	513.600	-0.001	94%	512.900	509.500
x		509.600	513.600	507.700	508.600	510.800	0.002	94%	519.400	506.400
σ		1.767	3.997	9.180	9.931	9.596	0.005	1%	12.480	4.075
%RSD		0.347	0.778	1.808	1.953	1.878	328.700	1	2.402	0.805

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:30	13.200	509.900	501.100	515.400	515.500	518.200	2542.000	2510.000	107%
2	03:35:38	-4.272	532.100	507.900	535.600	508.800	527.500	2518.000	2518.000	106%
3	03:36:45	15.450	511.300	502.200	508.900	511.300	519.100	2524.000	2523.000	106%
x		8.125	517.800	503.700	520.000	511.800	521.600	2528.000	2517.000	106%
σ		10.800	12.400	3.623	13.910	3.367	5.151	12.470	6.470	0%
%RSD		132.900	2.395	0.719	2.676	0.658	0.988	0.493	0.257	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:30	107%	500.100	504.600	512.400	513.700	509.900	100%	489.900
2	03:35:38	106%	508.200	499.800	500.600	505.300	505.100	100%	487.100
3	03:36:45	106%	500.000	503.800	509.100	505.900	502.700	99%	481.300
x		106%	502.800	502.700	507.400	508.300	505.900	100%	486.100
σ		1%	4.725	2.586	6.119	4.700	3.675	0%	4.363
%RSD		1	0.940	0.514	1.206	0.925	0.727	0	0.898

CCB 06/05/2011 03:41:15 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	03:42:23	132%	0.172	8.976	0.000	19.010	20.950	21.510	20.500	6.060
2	03:43:31	132%	0.339	7.659	0.000	31.320	29.380	29.380	28.190	7.285
3	03:44:39	133%	0.247	6.022	0.000	28.690	30.260	28.810	28.480	7.304
x		132%	0.253	7.552	0.000	26.340	26.870	26.570	25.720	6.883
σ		1%	0.084	1.480	0.000	6.484	5.141	4.389	4.527	0.713
%RSD		1	33.180	19.600	0.000	24.620	19.140	16.520	17.600	10.360
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:23	-3.562	5.835	0.000	0.000	14.070	22.650	24.600	102%	0.201
2	03:43:31	-3.488	4.696	0.000	0.000	21.670	23.970	32.630	102%	0.230
3	03:44:39	-3.193	10.580	0.000	0.000	19.860	19.810	32.020	101%	0.171
x		-3.414	7.038	0.000	0.000	18.530	22.140	29.750	102%	0.201
σ		0.195	3.122	0.000	0.000	3.967	2.128	4.468	0%	0.029
%RSD		5.714	44.360	0.000	0.000	21.400	9.608	15.020	0	14.550
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:23	0.313	0.285	10.450	18.490	0.419	10.210	14.430	0.217	0.151
2	03:43:31	0.093	0.271	10.080	21.650	0.604	14.470	20.510	0.316	0.279
3	03:44:39	0.022	0.336	10.430	21.830	0.610	13.850	20.520	0.298	0.265
x		0.142	0.297	10.320	20.660	0.544	12.850	18.490	0.277	0.231
σ		0.152	0.034	0.206	1.876	0.108	2.302	3.513	0.053	0.070
%RSD		106.600	11.560	1.998	9.081	19.920	17.910	19.000	19.100	30.240
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:23	0.410	0.446	0.601	0.293	1.233	0.045	1.221	-0.088	1.199
2	03:43:31	0.573	0.577	0.651	0.277	-0.390	0.049	1.138	0.060	1.133
3	03:44:39	0.625	0.466	0.827	0.326	-0.122	0.033	0.786	0.513	-0.956
x		0.536	0.496	0.693	0.299	0.240	0.043	1.048	0.162	0.459
σ		0.112	0.071	0.119	0.025	0.870	0.008	0.231	0.313	1.225
%RSD		20.880	14.210	17.140	8.366	362.000	19.900	22.010	193.700	267.000
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:23	0.750	0.783	0.821	0.837	0.764	-0.001	101%	0.038	0.254
2	03:43:31	0.533	0.617	0.659	0.608	0.720	0.003	102%	0.972	0.417
3	03:44:39	0.538	0.568	0.670	0.560	0.664	-0.001	102%	-1.332	0.369
x		0.607	0.656	0.717	0.668	0.716	-0.000	102%	-0.108	0.347
σ		0.124	0.113	0.091	0.148	0.050	0.002	1%	1.159	0.084
%RSD		20.400	17.210	12.650	22.170	7.004	8367.000	1	1078.000	24.130
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:23	0.088	0.015	0.276	0.264	0.720	0.820	0.896	0.944	109%
2	03:43:31	-0.293	0.942	0.337	0.267	0.723	0.698	1.363	1.599	112%
3	03:44:39	0.824	-1.365	0.379	0.218	0.558	0.633	1.347	1.605	116%
x		0.206	-0.136	0.331	0.250	0.667	0.717	1.202	1.383	112%
σ		0.568	1.161	0.052	0.027	0.094	0.095	0.265	0.380	3%
%RSD		275.100	854.000	15.670	10.890	14.150	13.240	22.030	27.460	3
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:42:23	110%	0.266	0.254	0.214	0.263	0.241	107%	0.220	
2	03:43:31	111%	0.398	0.408	0.332	0.298	0.325	108%	0.270	
3	03:44:39	111%	0.326	0.349	0.305	0.270	0.281	109%	0.274	
x		111%	0.330	0.337	0.284	0.277	0.282	108%	0.255	
σ		1%	0.066	0.077	0.062	0.018	0.042	1%	0.030	
%RSD		0	20.030	22.980	21.730	6.630	14.890	1	11.820	

C2362-10 MJDX45 06/05/2011 03:49:10 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	03:50:17	119%	0.239	6.302	0.000	13030.000	7928.000	7670.000	7033.000	4.901
2	03:51:26	118%	0.099	6.877	0.000	12510.000	7548.000	6987.000	7028.000	3.634
3	03:52:33	116%	0.089	5.730	0.000	12920.000	7814.000	7785.000	7110.000	2.949
x		118%	0.142	6.303	0.000	12820.000	7763.000	7481.000	7057.000	3.828
σ		2%	0.084	0.574	0.000	274.100	195.100	431.600	46.080	0.990
%RSD		1	59.170	9.104	0.000	2.139	2.513	5.769	0.653	25.870

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:50:17	11360.000	6.109	0.000	0.000	1523.000	31170.000	34270.000	95%	1.479
2	03:51:26	11070.000	9.431	0.000	0.000	1490.000	30220.000	33340.000	98%	1.184
3	03:52:33	11190.000	8.764	0.000	0.000	1509.000	30560.000	33320.000	95%	1.654
x		11210.000	8.101	0.000	0.000	1507.000	30650.000	33640.000	96%	1.439
σ		147.300	1.758	0.000	0.000	16.510	481.600	540.500	2%	0.238
%RSD		1.314	21.700	0.000	0.000	1.095	1.571	1.606	2	16.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:50:17	-3.420	0.767	166.400	191.700	31.280	198.700	246.500	0.235	0.439
2	03:51:26	-3.457	0.880	172.400	183.900	30.330	190.000	246.300	0.140	0.461
3	03:52:33	-3.571	0.796	188.200	187.300	30.470	193.600	241.500	0.092	0.270
x		-3.482	0.814	175.700	187.600	30.690	194.100	244.800	0.156	0.390
σ		0.079	0.059	11.290	3.885	0.516	4.402	2.836	0.073	0.105
%RSD		2.269	7.200	6.428	2.070	1.682	2.268	1.159	47.040	26.840

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:50:17	0.759	1.007	6.799	1.284	-3.496	0.640	-0.227	0.401	-0.412
2	03:51:26	0.836	0.791	6.364	1.191	3.563	0.629	-0.408	-0.241	0.064
3	03:52:33	0.726	0.758	6.039	0.708	-7.654	0.834	-0.723	-0.735	4.322
x		0.774	0.852	6.401	1.061	-2.529	0.701	-0.453	-0.192	1.325
σ		0.057	0.136	0.381	0.309	5.671	0.115	0.251	0.570	2.607
%RSD		7.343	15.900	5.957	29.130	224.200	16.450	55.470	297.000	196.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:50:17	1.001	0.998	1.048	1.119	1.096	-0.001	95%	-2.532	0.187
2	03:51:26	0.874	0.995	1.170	0.880	1.074	-0.001	96%	-1.025	0.105
3	03:52:33	1.088	0.948	1.137	0.722	0.947	-0.001	92%	-1.080	0.082
x		0.988	0.981	1.118	0.907	1.039	-0.001	94%	-1.546	0.124
σ		0.108	0.028	0.063	0.200	0.080	0.000	2%	0.855	0.055
%RSD		10.930	2.862	5.643	22.040	7.737	0.000	2	55.300	44.350

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:50:17	1.418	-2.561	0.211	0.083	0.283	0.331	2.016	1.782	108%
2	03:51:26	0.537	-1.055	0.145	0.194	0.252	0.264	1.834	1.706	108%
3	03:52:33	0.569	-1.116	0.112	0.118	0.200	0.173	1.601	1.607	106%
x		0.842	-1.578	0.156	0.132	0.245	0.256	1.817	1.698	107%
σ		0.500	0.853	0.050	0.057	0.042	0.079	0.208	0.088	1%
%RSD		59.400	54.040	32.360	43.170	17.050	30.940	11.430	5.189	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:50:17	109%	0.271	0.226	0.336	0.233	0.289	105%	0.263
2	03:51:26	108%	0.134	0.137	0.252	0.178	0.201	104%	0.215
3	03:52:33	105%	0.096	0.101	0.151	0.186	0.193	102%	0.151
x		107%	0.167	0.154	0.246	0.199	0.228	103%	0.210
σ		2%	0.092	0.064	0.093	0.030	0.053	1%	0.056
%RSD		2	55.160	41.610	37.660	15.040	23.430	1	26.890

C2362-11 MJDX46 06/05/2011 03:57:04 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	03:58:12	114%	0.047	14.350	0.000	8127.000	8596.000	8574.000	7725.000	5.879
2	03:59:20	112%	-0.011	12.670	0.000	8144.000	8539.000	8627.000	7794.000	6.427
3	04:00:27	114%	0.001	14.530	0.000	8132.000	8799.000	8765.000	7975.000	5.706
x		113%	0.012	13.850	0.000	8134.000	8645.000	8655.000	7831.000	6.004
σ		1%	0.030	1.028	0.000	8.833	136.800	98.430	128.900	0.376
%RSD		1	247.700	7.425	0.000	0.109	1.583	1.137	1.646	6.265

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:58:12	12530.000	-10.710	0.000	0.000	2088.000	31200.000	34540.000	93%	1.091
2	03:59:20	12380.000	-13.820	0.000	0.000	2082.000	31580.000	34190.000	92%	1.208
3	04:00:27	12610.000	-10.930	0.000	0.000	2175.000	31900.000	35810.000	88%	1.056
x		12510.000	-11.820	0.000	0.000	2115.000	31560.000	34850.000	91%	1.118
σ		119.800	1.736	0.000	0.000	52.260	354.000	853.900	3%	0.080
%RSD		0.958	14.690	0.000	0.000	2.471	1.122	2.451	3	7.146

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:58:12	-4.791	1.008	199.000	79.980	8.101	88.420	141.800	0.323	2.031
2	03:59:20	-7.440	1.031	213.400	82.860	8.240	89.360	132.800	0.331	2.181
3	04:00:27	-4.752	1.052	223.600	87.930	8.205	93.030	149.300	0.321	2.394
x		-5.661	1.030	212.000	83.590	8.182	90.270	141.300	0.325	2.202
σ		1.541	0.022	12.360	4.026	0.072	2.438	8.266	0.005	0.183
%RSD		27.220	2.138	5.830	4.816	0.883	2.700	5.851	1.601	8.287

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:58:12	19.730	21.270	1534.000	1.576	0.435	0.778	-0.488	0.314	0.367
2	03:59:20	21.060	21.700	1543.000	1.618	-0.160	0.854	-0.414	0.041	0.514
3	04:00:27	21.500	21.370	1570.000	1.156	-1.364	0.927	-1.084	0.620	-0.698
x		20.760	21.450	1549.000	1.450	-0.363	0.853	-0.662	0.325	0.061
σ		0.924	0.221	18.760	0.255	0.916	0.074	0.368	0.289	0.661
%RSD		4.451	1.032	1.211	17.600	252.500	8.713	55.560	89.010	1084.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:58:12	0.779	0.759	0.675	0.835	0.609	-0.001	90%	-1.125	0.058
2	03:59:20	0.512	0.708	0.626	0.719	0.637	0.003	87%	-0.601	0.068
3	04:00:27	0.680	0.716	0.721	0.830	0.638	-0.001	88%	-0.616	0.054
x		0.657	0.727	0.674	0.795	0.628	0.000	88%	-0.781	0.060
σ		0.135	0.028	0.047	0.065	0.016	0.003	2%	0.298	0.007
%RSD		20.530	3.796	7.014	8.242	2.595	1313.000	2	38.200	11.860

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:58:12	0.751	-1.156	0.064	0.008	0.173	0.070	47.220	46.680	101%
2	03:59:20	0.259	-0.636	0.077	0.114	0.089	0.105	46.890	45.250	98%
3	04:00:27	0.264	-0.645	0.034	0.100	0.107	0.097	47.180	46.910	98%
x		0.425	-0.812	0.058	0.074	0.123	0.091	47.100	46.280	99%
σ		0.283	0.297	0.022	0.058	0.044	0.019	0.179	0.900	2%
%RSD		66.570	36.610	38.080	77.690	35.880	20.570	0.380	1.945	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:58:12	99%	0.108	0.093	1.700	1.615	1.660	98%	0.398
2	03:59:20	98%	0.097	0.070	1.722	1.665	1.703	97%	0.429
3	04:00:27	97%	0.033	0.044	1.701	1.736	1.740	95%	0.407
x		98%	0.080	0.069	1.707	1.672	1.701	97%	0.411
σ		1%	0.040	0.025	0.012	0.061	0.040	1%	0.016
%RSD		1	50.680	35.490	0.726	3.635	2.350	2	3.851

C2362-12 MJDX47 06/05/2011 04:04:58 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	04:06:06	109%	-0.009	7.335	0.000	25710.000	2230.000	2005.000	2002.000	2.162
2	04:07:14	114%	-0.057	6.511	0.000	25910.000	2243.000	2033.000	2026.000	2.380
3	04:08:22	115%	-0.038	6.484	0.000	25620.000	2234.000	1990.000	2026.000	2.361
x		113%	-0.035	6.777	0.000	25740.000	2236.000	2009.000	2018.000	2.301
σ		3%	0.024	0.484	0.000	146.000	6.829	22.250	13.640	0.121
%RSD		3	70.140	7.139	0.000	0.567	0.305	1.107	0.676	5.258

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:06:06	6987.000	-13.630	0.000	0.000	761.700	27230.000	29280.000	85%	1.234
2	04:07:14	7009.000	-13.200	0.000	0.000	786.100	27100.000	30140.000	91%	0.406
3	04:08:22	7022.000	-11.710	0.000	0.000	766.400	27030.000	29830.000	92%	0.937
x		7006.000	-12.850	0.000	0.000	771.400	27120.000	29750.000	89%	0.859
σ		17.660	1.010	0.000	0.000	12.970	104.700	436.200	4%	0.420
%RSD		0.252	7.864	0.000	0.000	1.682	0.386	1.466	4	48.850

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:06:06	-8.535	0.765	211.000	2.563	1.730	7.244	47.250	0.068	0.536
2	04:07:14	-5.941	0.935	221.100	1.481	1.612	6.078	49.710	0.053	0.527
3	04:08:22	-4.666	0.935	224.700	0.421	1.615	3.811	46.050	0.058	0.377
x		-6.381	0.878	218.900	1.488	1.652	5.711	47.670	0.060	0.480
σ		1.971	0.098	7.086	1.071	0.067	1.746	1.866	0.007	0.089
%RSD		30.890	11.180	3.237	71.940	4.070	30.570	3.914	12.410	18.570

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:06:06	0.477	0.441	616.900	1.270	-0.721	0.877	-1.052	-0.249	0.168
2	04:07:14	0.483	0.499	630.800	1.397	-4.109	0.884	-0.741	0.095	-0.472
3	04:08:22	0.369	0.615	619.700	0.962	1.477	0.936	-0.896	-0.077	1.876
x		0.443	0.518	622.500	1.210	-1.118	0.899	-0.896	-0.077	0.524
σ		0.064	0.088	7.346	0.224	2.814	0.032	0.156	0.172	1.214
%RSD		14.410	17.070	1.180	18.500	251.700	3.583	17.370	222.800	231.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:06:06	3.053	2.826	3.110	2.639	2.893	-0.001	83%	-0.746	0.006
2	04:07:14	3.379	3.111	2.967	3.251	2.917	0.003	89%	-1.806	0.010
3	04:08:22	2.856	3.076	3.225	2.929	3.008	-0.001	90%	-1.986	0.005
x		3.096	3.004	3.101	2.940	2.939	0.000	87%	-1.513	0.007
σ		0.264	0.156	0.130	0.306	0.061	0.003	4%	0.670	0.003
%RSD		8.536	5.176	4.178	10.410	2.062	1595.000	5	44.280	36.950

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:06:06	0.331	-0.785	0.009	0.124	0.094	0.059	3.122	2.947	95%
2	04:07:14	0.921	-1.837	0.002	0.020	0.033	0.045	3.094	3.076	102%
3	04:08:22	1.008	-2.018	0.005	-0.055	0.052	0.038	3.145	2.839	103%
x		0.753	-1.547	0.005	0.030	0.060	0.048	3.120	2.954	100%
σ		0.368	0.666	0.003	0.090	0.031	0.010	0.026	0.119	4%
%RSD		48.880	43.060	64.610	300.200	51.830	21.790	0.819	4.030	4

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:06:06	95%	0.049	0.020	0.978	0.877	0.912	91%	0.212
2	04:07:14	102%	0.026	0.009	0.956	0.821	0.893	98%	0.196
3	04:08:22	102%	0.017	0.006	0.964	0.838	0.900	100%	0.199
x		100%	0.031	0.012	0.966	0.845	0.902	96%	0.202
σ		4%	0.016	0.008	0.011	0.029	0.009	5%	0.009
%RSD		4	52.550	64.150	1.124	3.398	1.028	5	4.270

C2362-13 MJDX48 06/05/2011 04:12:53 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	04:14:01	117%	-0.045	5.010	0.000	3662.000	13830.000	13700.000	12410.000	1.664
2	04:15:09	115%	-0.013	6.118	0.000	3740.000	13930.000	13780.000	12720.000	1.370
3	04:16:17	116%	-0.032	5.816	0.000	3754.000	14140.000	13930.000	12900.000	1.570
x		116%	-0.030	5.648	0.000	3719.000	13970.000	13800.000	12680.000	1.535
σ		1%	0.016	0.573	0.000	49.770	157.500	115.900	247.300	0.150
%RSD		1	54.490	10.140	0.000	1.338	1.128	0.840	1.950	9.793

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:01	4712.000	-11.520	0.000	0.000	1580.000	29650.000	32640.000	94%	0.322
2	04:15:09	4784.000	-10.140	0.000	0.000	1625.000	30810.000	33270.000	93%	0.559
3	04:16:17	4852.000	-11.650	0.000	0.000	1647.000	29970.000	32920.000	92%	0.297
x		4783.000	-11.100	0.000	0.000	1617.000	30140.000	32940.000	93%	0.393
σ		69.720	0.838	0.000	0.000	33.990	598.200	315.800	1%	0.144
%RSD		1.458	7.546	0.000	0.000	2.101	1.985	0.959	1	36.800

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:01	-6.180	0.944	208.100	-5.321	0.473	-1.113	41.180	0.028	0.209
2	04:15:09	-4.666	1.147	222.500	-3.238	0.443	0.899	46.010	0.031	0.185
3	04:16:17	-6.957	1.076	233.100	-2.004	0.512	1.310	49.960	0.018	0.230
x		-5.935	1.056	221.200	-3.521	0.476	0.365	45.710	0.026	0.208
σ		1.165	0.103	12.530	1.677	0.034	1.297	4.397	0.007	0.022
%RSD		19.630	9.755	5.664	47.620	7.216	355.100	9.618	27.230	10.750

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:01	0.596	0.772	24.990	3.822	-3.348	0.831	-0.994	0.247	-0.341
2	04:15:09	0.590	0.583	24.750	4.384	6.535	0.881	-0.455	0.033	-0.572
3	04:16:17	0.671	0.634	25.370	3.941	0.200	0.926	-0.617	0.305	-2.066
x		0.619	0.663	25.040	4.049	1.129	0.879	-0.689	0.195	-0.993
σ		0.045	0.098	0.311	0.296	5.006	0.048	0.277	0.144	0.937
%RSD		7.289	14.770	1.243	7.303	443.400	5.411	40.160	73.620	94.330

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:01	0.667	0.632	0.626	0.558	0.581	0.003	93%	-2.882	0.009
2	04:15:09	0.550	0.590	0.615	0.637	0.710	-0.001	91%	-1.607	-0.003
3	04:16:17	0.731	0.566	0.605	0.649	0.801	0.003	93%	-2.309	0.006
x		0.650	0.596	0.616	0.615	0.697	0.002	92%	-2.266	0.004
σ		0.092	0.034	0.010	0.049	0.111	0.003	1%	0.639	0.006
%RSD		14.110	5.662	1.693	8.020	15.870	161.400	1	28.180	146.200

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:01	1.436	-2.909	0.014	-0.026	0.024	0.134	25.900	26.070	105%
2	04:15:09	0.903	-1.641	0.007	0.008	0.017	0.142	26.850	25.170	105%
3	04:16:17	1.159	-2.336	-0.003	0.027	-0.048	0.105	25.680	26.490	104%
x		1.166	-2.295	0.006	0.003	-0.002	0.127	26.140	25.910	105%
σ		0.267	0.635	0.009	0.027	0.040	0.020	0.620	0.671	1%
%RSD		22.880	27.650	148.300	847.500	1597.000	15.560	2.371	2.591	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:01	105%	0.007	0.010	0.206	0.154	0.171	103%	1.900
2	04:15:09	106%	0.011	-0.002	0.141	0.142	0.154	104%	1.941
3	04:16:17	104%	0.005	-0.003	0.143	0.124	0.153	100%	2.002
x		105%	0.008	0.002	0.163	0.140	0.159	102%	1.947
σ		1%	0.003	0.007	0.037	0.015	0.010	2%	0.051
%RSD		1	36.200	364.300	22.580	10.730	6.097	2	2.627

C2362-14 MJDX49 06/05/2011 04:20:49 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	04:21:57	116%	-0.045	5.676	0.000	3723.000	14060.000	14080.000	12970.000	1.474
2	04:23:05	118%	-0.051	6.232	0.000	3659.000	13950.000	13800.000	12580.000	1.069
3	04:24:13	118%	-0.039	5.140	0.000	3738.000	14100.000	14060.000	12790.000	1.437
x		117%	-0.045	5.683	0.000	3707.000	14040.000	13980.000	12780.000	1.326
σ		1%	0.006	0.546	0.000	42.110	80.360	157.700	192.500	0.224
%RSD		1	13.980	9.613	0.000	1.136	0.573	1.128	1.507	16.890

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:21:57	4814.000	-18.050	0.000	0.000	1603.000	30120.000	33240.000	93%	0.328
2	04:23:05	4673.000	-8.802	0.000	0.000	1559.000	30040.000	33020.000	95%	0.518
3	04:24:13	4757.000	-11.440	0.000	0.000	1612.000	30960.000	33740.000	92%	0.734
x		4748.000	-12.760	0.000	0.000	1592.000	30370.000	33330.000	93%	0.527
σ		70.730	4.763	0.000	0.000	28.400	509.200	368.700	1%	0.203
%RSD		1.490	37.320	0.000	0.000	1.784	1.677	1.106	1	38.580

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:21:57	-6.757	1.014	220.800	-3.808	0.560	1.563	48.500	0.014	0.294
2	04:23:05	-8.360	0.997	228.800	-3.532	0.595	1.778	49.590	0.016	0.272
3	04:24:13	-6.429	1.159	243.800	-1.033	0.531	2.466	46.180	0.027	0.403
x		-7.182	1.057	231.100	-2.791	0.562	1.936	48.090	0.019	0.323
σ		1.034	0.089	11.690	1.529	0.032	0.472	1.742	0.007	0.070
%RSD		14.390	8.403	5.060	54.760	5.715	24.390	3.622	38.630	21.730

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:21:57	4.940	4.968	39.260	4.248	-4.330	0.885	-0.695	-0.021	0.079
2	04:23:05	4.925	5.129	40.640	3.300	-9.807	0.983	-0.763	0.310	-1.446
3	04:24:13	5.153	5.082	40.480	4.226	-2.927	0.889	-0.368	0.369	0.655
x		5.006	5.059	40.130	3.924	-5.688	0.919	-0.609	0.220	-0.237
σ		0.127	0.083	0.752	0.541	3.636	0.056	0.211	0.210	1.085
%RSD		2.542	1.634	1.874	13.790	63.920	6.044	34.700	95.680	457.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:21:57	0.768	0.647	0.656	0.802	0.714	-0.001	90%	-1.101	0.014
2	04:23:05	0.554	0.602	0.720	0.631	0.712	-0.001	90%	0.163	0.005
3	04:24:13	0.813	0.732	0.642	0.830	0.656	-0.001	91%	-0.337	-0.003
x		0.712	0.660	0.672	0.754	0.694	-0.001	90%	-0.425	0.005
σ		0.138	0.066	0.041	0.108	0.033	0.000	1%	0.637	0.009
%RSD		19.430	9.997	6.153	14.290	4.734	0.000	1	149.800	156.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:21:57	0.741	-1.134	0.005	0.231	-0.021	0.137	26.320	26.690	102%
2	04:23:05	0.049	0.127	-0.003	0.425	0.019	0.099	26.060	24.990	102%
3	04:24:13	0.209	-0.368	0.007	0.281	-0.005	0.106	26.240	25.650	101%
x		0.333	-0.459	0.003	0.312	-0.002	0.114	26.210	25.780	102%
σ		0.362	0.635	0.005	0.101	0.020	0.020	0.134	0.860	0%
%RSD		108.700	138.600	179.700	32.340	848.900	17.800	0.510	3.338	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:21:57	101%	-0.001	0.001	0.341	0.336	0.347	100%	2.028
2	04:23:05	102%	-0.005	-0.001	0.367	0.310	0.333	98%	2.027
3	04:24:13	102%	0.003	-0.002	0.363	0.380	0.355	98%	2.097
x		102%	-0.001	-0.001	0.357	0.342	0.345	99%	2.051
σ		0%	0.004	0.001	0.014	0.035	0.011	1%	0.040
%RSD		0	673.300	171.100	3.934	10.360	3.240	1	1.966

C2362-15 MJDX50 06/05/2011 04:28:45 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	04:29:53	115%	-0.032	12.300	0.000	7286.000	8598.000	8548.000	7762.000	3.992
2	04:31:01	118%	-0.020	9.553	0.000	7036.000	8368.000	8280.000	7444.000	4.032
3	04:32:09	115%	0.013	13.220	0.000	7207.000	8708.000	8719.000	7939.000	4.028
x		116%	-0.013	11.690	0.000	7177.000	8558.000	8516.000	7715.000	4.017
σ		2%	0.023	1.908	0.000	127.700	173.400	221.100	251.000	0.022
%RSD		2	181.000	16.320	0.000	1.779	2.026	2.596	3.253	0.546

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:29:53	12210.000	-7.975	0.000	0.000	2085.000	30950.000	33870.000	95%	1.068
2	04:31:01	12110.000	-17.600	0.000	0.000	2066.000	30040.000	33440.000	95%	1.192
3	04:32:09	12350.000	-11.790	0.000	0.000	2127.000	31310.000	34800.000	92%	1.068
x		12220.000	-12.450	0.000	0.000	2093.000	30770.000	34040.000	94%	1.109
σ		118.100	4.847	0.000	0.000	31.070	657.000	695.300	2%	0.071
%RSD		0.966	38.920	0.000	0.000	1.485	2.135	2.043	2	6.431

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:29:53	-4.298	1.015	232.000	87.660	8.107	92.550	136.300	0.223	4.050
2	04:31:01	-8.611	1.087	243.900	82.970	8.164	89.380	136.900	0.261	4.309
3	04:32:09	-5.185	1.120	261.400	91.210	8.438	93.910	136.600	0.302	4.033
x		-6.032	1.074	245.800	87.280	8.236	91.950	136.600	0.262	4.131
σ		2.278	0.054	14.810	4.131	0.177	2.324	0.265	0.039	0.155
%RSD		37.760	5.016	6.026	4.733	2.146	2.528	0.194	14.980	3.748

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:29:53	19.950	20.450	1504.000	1.405	-1.838	0.931	-1.245	-0.079	-0.040
2	04:31:01	20.080	20.220	1492.000	1.746	1.753	0.992	-0.979	0.085	1.426
3	04:32:09	20.250	20.330	1557.000	2.105	2.194	1.017	-1.178	0.538	0.371
x		20.090	20.330	1518.000	1.752	0.703	0.980	-1.134	0.181	0.586
σ		0.152	0.120	34.880	0.350	2.212	0.044	0.139	0.320	0.756
%RSD		0.755	0.588	2.298	19.990	314.800	4.495	12.220	176.500	129.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:29:53	0.455	0.575	0.421	0.469	0.512	-0.001	92%	-0.842	0.002
2	04:31:01	0.318	0.563	0.577	0.414	0.359	-0.001	92%	-0.306	0.009
3	04:32:09	0.726	0.483	0.595	0.528	0.552	0.003	90%	-0.312	0.012
x		0.500	0.541	0.531	0.470	0.474	0.000	91%	-0.487	0.008
σ		0.208	0.050	0.096	0.057	0.102	0.003	1%	0.308	0.005
%RSD		41.570	9.276	18.030	12.080	21.410	1756.000	1	63.270	67.700

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:29:53	0.454	-0.877	0.012	0.030	-0.008	0.031	46.120	44.910	105%
2	04:31:01	0.191	-0.332	0.002	0.063	0.002	0.011	48.440	46.940	101%
3	04:32:09	0.360	-0.351	-0.006	0.032	0.019	0.023	46.660	46.560	104%
x		0.335	-0.520	0.003	0.041	0.004	0.021	47.080	46.140	103%
σ		0.133	0.309	0.009	0.018	0.014	0.010	1.213	1.078	2%
%RSD		39.750	59.450	323.300	44.260	307.800	46.940	2.577	2.336	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:29:53	102%	0.005	0.008	1.801	1.532	1.709	99%	0.349
2	04:31:01	103%	0.009	-0.003	1.714	1.601	1.694	99%	0.363
3	04:32:09	103%	-0.003	0.003	1.796	1.579	1.669	102%	0.342
x		103%	0.004	0.002	1.770	1.571	1.691	100%	0.351
σ		1%	0.006	0.006	0.049	0.035	0.020	2%	0.010
%RSD		1	156.100	244.500	2.751	2.243	1.202	2	2.934

C2362-07 MJDX44 06/05/2011 04:36:41 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	04:37:49	113%	-0.024	4.520	0.000	15980.000	4195.000	3784.000	3803.000	1.349
2	04:38:57	113%	-0.064	3.898	0.000	15700.000	4110.000	3740.000	3769.000	1.356
3	04:40:05	111%	-0.017	4.421	0.000	15680.000	4208.000	3829.000	3789.000	1.270
x		113%	-0.035	4.280	0.000	15790.000	4171.000	3784.000	3787.000	1.325
σ		1%	0.025	0.334	0.000	167.200	53.390	44.680	16.850	0.047
%RSD		1	71.360	7.802	0.000	1.059	1.280	1.180	0.445	3.581
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:49	11160.000	-1.788	0.000	0.000	1671.000	26500.000	29440.000	92%	1.109
2	04:38:57	11020.000	2.720	0.000	0.000	1667.000	27100.000	29430.000	91%	1.291
3	04:40:05	11130.000	-3.248	0.000	0.000	1697.000	27540.000	29620.000	90%	0.960
x		11100.000	-0.772	0.000	0.000	1678.000	27050.000	29490.000	91%	1.120
σ		73.170	3.111	0.000	0.000	16.530	523.000	105.600	1%	0.166
%RSD		0.659	403.000	0.000	0.000	0.985	1.934	0.358	1	14.810
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:49	-4.167	0.883	237.300	20.320	18.040	24.770	62.660	0.024	0.252
2	04:38:57	-3.519	0.953	251.500	18.850	17.960	25.010	64.540	0.016	0.299
3	04:40:05	-6.258	0.888	261.600	20.840	17.710	24.450	61.290	0.001	0.211
x		-4.648	0.908	250.200	20.010	17.900	24.740	62.830	0.014	0.254
σ		1.432	0.039	12.230	1.035	0.172	0.282	1.631	0.012	0.044
%RSD		30.810	4.297	4.888	5.174	0.959	1.138	2.596	84.680	17.380
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:49	3.441	3.552	127.800	1.488	1.631	0.988	-1.211	-0.302	2.805
2	04:38:57	3.139	3.369	129.300	1.221	-2.783	1.064	-1.232	-0.133	-0.219
3	04:40:05	3.355	3.345	131.600	1.532	4.591	1.067	-0.692	-0.302	-1.971
x		3.312	3.422	129.600	1.414	1.146	1.040	-1.045	-0.245	0.205
σ		0.155	0.114	1.947	0.168	3.711	0.045	0.306	0.098	2.416
%RSD		4.690	3.317	1.502	11.910	323.800	4.339	29.270	39.830	1179.000
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:49	1.592	1.777	1.845	1.808	1.948	0.003	90%	-1.352	0.007
2	04:38:57	1.858	1.590	1.548	1.681	1.605	-0.001	91%	-1.563	0.012
3	04:40:05	1.835	1.700	1.723	1.483	1.702	0.003	89%	-0.842	0.007
x		1.762	1.689	1.705	1.658	1.752	0.002	90%	-1.252	0.009
σ		0.148	0.094	0.149	0.164	0.177	0.003	1%	0.371	0.003
%RSD		8.381	5.566	8.768	9.889	10.080	156.500	1	29.630	29.680
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:49	0.704	-1.390	0.005	-0.082	0.019	-0.026	0.433	0.617	104%
2	04:38:57	0.722	-1.593	0.007	-0.031	-0.014	-0.011	0.652	0.547	102%
3	04:40:05	0.375	-0.876	0.013	-0.011	-0.017	0.008	0.678	0.490	102%
x		0.600	-1.286	0.008	-0.041	-0.004	-0.009	0.588	0.551	103%
σ		0.195	0.370	0.004	0.037	0.020	0.017	0.134	0.064	1%
%RSD		32.520	28.730	49.400	88.450	533.900	184.700	22.840	11.540	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:37:49	105%	0.005	-0.005	0.195	0.181	0.192	102%	0.115	
2	04:38:57	104%	0.005	-0.004	0.191	0.158	0.183	100%	0.104	
3	04:40:05	102%	0.015	-0.007	0.177	0.163	0.186	99%	0.108	
x		103%	0.009	-0.005	0.188	0.167	0.187	101%	0.109	
σ		1%	0.006	0.002	0.009	0.012	0.004	1%	0.006	
%RSD		1	69.530	32.510	4.828	7.251	2.373	1	5.072	

C2362-08 MJDX44D 06/05/2011 04:44:37 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	04:45:45	111%	-0.030	4.548	0.000	15720.000	4203.000	3758.000	3788.000	2.262
2	04:46:53	113%	-0.011	3.928	0.000	15460.000	4081.000	3686.000	3689.000	2.043
3	04:48:01	110%	-0.023	3.305	0.000	15750.000	4183.000	3681.000	3700.000	2.065
x		111%	-0.021	3.927	0.000	15640.000	4156.000	3708.000	3726.000	2.123
σ		1%	0.010	0.622	0.000	160.200	65.450	42.940	54.160	0.121
%RSD		1	44.950	15.830	0.000	1.024	1.575	1.158	1.454	5.687

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:45	11150.000	-1.585	0.000	0.000	1662.000	26760.000	29200.000	89%	0.764
2	04:46:53	10890.000	-1.411	0.000	0.000	1637.000	26490.000	29250.000	90%	0.958
3	04:48:01	10920.000	-2.476	0.000	0.000	1647.000	26360.000	29030.000	90%	0.752
x		10990.000	-1.824	0.000	0.000	1649.000	26540.000	29160.000	90%	0.825
σ		142.100	0.571	0.000	0.000	12.250	204.700	118.900	1%	0.116
%RSD		1.294	31.310	0.000	0.000	0.743	0.771	0.408	1	14.050

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:45	-6.775	0.915	256.900	23.260	20.210	28.200	67.690	0.017	0.251
2	04:46:53	-10.160	1.056	274.800	19.510	20.320	26.610	63.630	0.015	0.231
3	04:48:01	-8.045	1.017	280.600	19.070	19.590	26.750	62.360	0.015	0.396
x		-8.326	0.996	270.800	20.610	20.040	27.190	64.560	0.015	0.293
σ		1.709	0.073	12.360	2.302	0.391	0.882	2.787	0.001	0.090
%RSD		20.530	7.310	4.563	11.170	1.953	3.243	4.316	7.822	30.820

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:45	3.457	3.363	127.800	1.393	1.070	1.065	-1.088	-0.131	1.124
2	04:46:53	3.632	3.650	128.700	1.109	-4.284	1.158	-0.711	0.102	-1.283
3	04:48:01	3.685	3.630	127.500	1.957	-6.141	1.089	-0.740	-0.189	0.238
x		3.591	3.547	128.000	1.486	-3.118	1.104	-0.846	-0.072	0.026
σ		0.119	0.160	0.651	0.431	3.744	0.049	0.210	0.154	1.217
%RSD		3.318	4.517	0.508	29.010	120.100	4.400	24.760	212.700	4674.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:45	1.582	1.677	1.594	1.828	1.816	-0.001	88%	-0.368	0.020
2	04:46:53	1.870	1.608	1.643	1.573	1.842	-0.001	86%	-1.557	0.008
3	04:48:01	1.589	1.470	1.949	1.318	1.930	0.003	87%	-1.101	0.000
x		1.680	1.585	1.729	1.573	1.863	0.000	87%	-1.009	0.009
σ		0.165	0.105	0.192	0.255	0.060	0.003	1%	0.600	0.010
%RSD		9.798	6.643	11.120	16.200	3.218	1299.000	1	59.470	103.400

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:45	0.311	-0.406	0.005	0.040	0.035	0.003	0.574	0.739	101%
2	04:46:53	0.721	-1.592	0.014	0.016	0.047	-0.002	0.644	0.636	99%
3	04:48:01	0.501	-1.135	-0.008	0.020	0.038	-0.018	0.626	0.626	99%
x		0.511	-1.044	0.004	0.025	0.040	-0.006	0.615	0.667	100%
σ		0.205	0.598	0.011	0.013	0.006	0.011	0.036	0.063	1%
%RSD		40.210	57.280	304.100	51.710	15.950	182.800	5.887	9.406	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:45	100%	-0.007	-0.005	0.234	0.210	0.227	97%	0.107
2	04:46:53	99%	0.004	-0.007	0.207	0.218	0.220	95%	0.106
3	04:48:01	97%	-0.005	-0.010	0.267	0.204	0.227	96%	0.107
x		99%	-0.002	-0.007	0.236	0.211	0.225	96%	0.107
σ		2%	0.006	0.002	0.030	0.007	0.004	1%	0.001
%RSD		2	229.700	33.890	12.770	3.255	1.768	1	0.479

C2362-09 MJDX44S 06/05/2011 04:52:34 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	04:53:42	110%	44.970	3.669	0.000	15690.000	4095.000	3667.000	3676.000	1704.000
2	04:54:50	110%	45.270	3.755	0.000	15780.000	4077.000	3715.000	3655.000	1702.000
3	04:55:58	112%	45.240	3.365	0.000	15490.000	4154.000	3804.000	3746.000	1729.000
x		111%	45.160	3.596	0.000	15650.000	4109.000	3728.000	3693.000	1711.000
σ		1%	0.164	0.205	0.000	145.400	40.610	69.670	47.750	14.920
%RSD		1	0.363	5.704	0.000	0.929	0.988	1.869	1.293	0.872

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:42	10670.000	-0.350	0.000	0.000	1622.000	26380.000	28530.000	91%	0.782
2	04:54:50	10750.000	-2.192	0.000	0.000	1643.000	26310.000	29080.000	90%	0.922
3	04:55:58	10960.000	-1.844	0.000	0.000	1668.000	26970.000	29400.000	87%	0.783
x		10790.000	-1.462	0.000	0.000	1644.000	26550.000	29000.000	89%	0.829
σ		150.900	0.979	0.000	0.000	23.030	357.600	442.400	2%	0.081
%RSD		1.399	66.930	0.000	0.000	1.400	1.347	1.525	2	9.742

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:42	430.300	177.500	295.500	996.900	482.400	933.600	1016.000	436.800	435.200
2	04:54:50	431.700	179.200	308.400	1009.000	482.400	928.900	977.500	434.000	438.200
3	04:55:58	442.600	182.600	333.000	1044.000	496.700	962.200	1003.000	446.000	455.200
x		434.900	179.800	312.300	1017.000	487.200	941.600	998.700	438.900	442.900
σ		6.743	2.599	19.030	24.430	8.225	18.040	19.450	6.244	10.750
%RSD		1.550	1.446	6.093	2.403	1.688	1.916	1.948	1.423	2.428

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:42	222.000	225.300	594.700	40.340	12.270	1.052	9.409	10.570	-0.728
2	04:54:50	224.900	223.600	608.600	40.210	12.350	1.260	9.019	10.340	2.702
3	04:55:58	225.500	228.600	622.800	39.550	14.030	1.295	10.150	10.670	1.456
x		224.100	225.800	608.700	40.030	12.880	1.202	9.525	10.530	1.143
σ		1.858	2.548	14.080	0.423	0.991	0.131	0.573	0.171	1.736
%RSD		0.829	1.128	2.314	1.056	7.696	10.930	6.015	1.629	151.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:42	1.569	1.701	1.713	1.301	1.662	-0.001	88%	48.340	45.880
2	04:54:50	1.468	1.653	1.677	2.002	1.550	-0.001	87%	54.560	46.720
3	04:55:58	2.110	2.041	1.729	1.692	1.792	0.003	89%	48.860	45.470
x		1.716	1.798	1.706	1.665	1.668	0.000	88%	50.590	46.020
σ		0.345	0.212	0.027	0.351	0.121	0.003	1%	3.450	0.640
%RSD		20.130	11.770	1.574	21.100	7.241	1481.000	1	6.820	1.390

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:42	0.032	48.150	47.000	51.970	0.019	98.700	1849.000	1826.000	99%
2	04:54:50	-1.016	54.260	47.430	51.490	0.019	98.780	1813.000	1798.000	102%
3	04:55:58	0.111	48.630	46.810	50.210	0.005	95.750	1786.000	1762.000	102%
x		-0.291	50.350	47.080	51.220	0.014	97.740	1816.000	1796.000	101%
σ		0.629	3.398	0.318	0.913	0.009	1.727	31.740	31.890	2%
%RSD		216.200	6.749	0.675	1.783	59.310	1.767	1.748	1.776	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:42	100%	43.750	43.520	19.620	17.980	18.620	98%	0.095
2	04:54:50	101%	43.690	44.310	19.600	17.480	18.390	100%	0.098
3	04:55:58	102%	44.890	45.230	19.640	18.050	18.740	98%	0.109
x		101%	44.110	44.350	19.620	17.840	18.590	99%	0.101
σ		1%	0.676	0.857	0.022	0.310	0.178	1%	0.007
%RSD		1	1.533	1.932	0.114	1.736	0.958	1	7.351

C2362-07LX5 MJDX44L 06/05/2011 05:00:32 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	05:01:40	114%	-0.044	0.901	0.000	3219.000	788.200	766.800	767.700	0.867
2	05:02:47	117%	-0.019	1.449	0.000	3199.000	778.600	740.500	748.900	0.743
3	05:03:55	114%	-0.025	2.730	0.000	3240.000	793.000	782.700	765.800	0.694
x		115%	-0.029	1.693	0.000	3219.000	786.600	763.300	760.800	0.768
σ		2%	0.013	0.939	0.000	20.240	7.333	21.330	10.340	0.089
%RSD		1	44.200	55.450	0.000	0.629	0.932	2.795	1.359	11.600

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:01:40	2071.000	-6.741	0.000	0.000	342.700	5457.000	6059.000	90%	0.102
2	05:02:47	2081.000	2.071	0.000	0.000	330.000	5340.000	6036.000	92%	0.199
3	05:03:55	2089.000	-1.927	0.000	0.000	329.700	5413.000	6066.000	92%	0.165
x		2080.000	-2.199	0.000	0.000	334.100	5403.000	6054.000	92%	0.155
σ		8.644	4.413	0.000	0.000	7.411	59.360	15.690	1%	0.049
%RSD		0.416	200.700	0.000	0.000	2.218	1.099	0.259	1	31.750

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:01:40	-1.900	0.310	92.250	8.812	3.791	4.646	9.459	0.005	0.090
2	05:02:47	-2.880	0.292	88.940	5.724	3.621	4.595	15.350	0.003	0.080
3	05:03:55	-0.730	0.321	84.440	4.801	3.856	5.328	18.100	0.005	0.044
x		-1.837	0.308	88.540	6.446	3.756	4.856	14.300	0.004	0.071
σ		1.076	0.015	3.919	2.101	0.121	0.409	4.413	0.001	0.024
%RSD		58.590	4.795	4.426	32.590	3.230	8.429	30.860	28.320	33.900

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:01:40	0.734	0.723	24.860	0.402	-3.692	0.421	-0.663	0.145	-0.548
2	05:02:47	0.707	0.866	24.690	0.409	4.063	0.374	-0.589	-0.411	1.514
3	05:03:55	0.732	0.738	24.530	0.233	-3.009	0.425	-0.516	-0.299	-0.552
x		0.724	0.776	24.690	0.348	-0.879	0.407	-0.589	-0.188	0.138
σ		0.015	0.079	0.165	0.100	4.294	0.028	0.074	0.294	1.192
%RSD		2.053	10.150	0.667	28.680	488.500	6.956	12.500	156.200	864.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:01:40	0.307	0.355	0.292	0.311	0.387	-0.001	92%	-0.704	-0.005
2	05:02:47	0.282	0.372	0.377	0.348	0.256	-0.001	91%	-2.670	-0.007
3	05:03:55	0.283	0.229	0.350	0.290	0.285	-0.001	91%	-1.105	-0.003
x		0.291	0.319	0.340	0.316	0.309	-0.001	92%	-1.493	-0.005
σ		0.014	0.078	0.044	0.029	0.069	0.000	0%	1.038	0.002
%RSD		4.799	24.530	12.910	9.199	22.240	0.000	0	69.550	46.820

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:01:40	0.386	-0.737	-0.003	-0.065	-0.068	0.004	0.037	0.117	104%
2	05:02:47	1.253	-2.692	-0.011	-0.157	-0.092	-0.020	0.147	0.173	101%
3	05:03:55	0.500	-1.135	-0.001	-0.026	-0.031	-0.017	0.146	0.088	102%
x		0.713	-1.521	-0.005	-0.082	-0.063	-0.011	0.110	0.126	102%
σ		0.471	1.033	0.005	0.067	0.031	0.013	0.064	0.043	1%
%RSD		66.070	67.930	108.700	81.290	48.650	120.200	57.820	34.150	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:01:40	104%	0.146	0.145	0.070	0.022	0.037	102%	0.011
2	05:02:47	100%	0.105	0.125	0.061	0.036	0.048	101%	0.021
3	05:03:55	102%	0.097	0.100	0.043	0.030	0.040	100%	0.016
x		102%	0.116	0.123	0.058	0.029	0.042	101%	0.016
σ		2%	0.026	0.022	0.013	0.007	0.005	1%	0.005
%RSD		2	22.160	17.960	23.200	23.270	12.470	1	31.480

CCV 06/05/2011 05:08:27 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	05:09:35	119%	470.800	489.400	0.000	51080.000	51160.000	49690.000	49300.000	9718.000
2	05:10:43	120%	469.000	487.700	0.000	51880.000	50870.000	51220.000	50400.000	9971.000
3	05:11:51	124%	463.300	492.200	0.000	50600.000	51000.000	50380.000	49250.000	9807.000
x		121%	467.700	489.800	0.000	51190.000	51010.000	50430.000	49650.000	9832.000
σ		3%	3.930	2.283	0.000	646.500	144.900	765.500	647.200	128.400
%RSD		2	0.840	0.466	0.000	1.263	0.284	1.518	1.304	1.306

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:09:35	474.800	9002.000	0.000	0.000	25860.000	56170.000	52230.000	91%	504.200
2	05:10:43	477.000	8834.000	0.000	0.000	25540.000	53680.000	51160.000	93%	499.200
3	05:11:51	473.600	8882.000	0.000	0.000	25180.000	53930.000	51440.000	95%	493.800
x		475.200	8906.000	0.000	0.000	25530.000	54590.000	51610.000	93%	499.100
σ		1.725	86.470	0.000	0.000	338.200	1369.000	557.800	2%	5.208
%RSD		0.363	0.971	0.000	0.000	1.325	2.507	1.081	2	1.044

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:09:35	503.600	512.900	37.190	25790.000	1033.000	27790.000	27400.000	495.400	482.800
2	05:10:43	502.100	506.200	32.280	25900.000	1040.000	27920.000	27630.000	494.100	499.800
3	05:11:51	489.900	494.400	29.840	25630.000	1013.000	27610.000	27150.000	487.800	490.100
x		498.600	504.500	33.100	25770.000	1029.000	27770.000	27390.000	492.500	490.900
σ		7.521	9.361	3.743	130.700	14.030	157.900	239.000	4.106	8.558
%RSD		1.509	1.856	11.310	0.507	1.363	0.569	0.873	0.834	1.743

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:09:35	978.300	994.900	1045.000	513.200	576.100	-0.908	524.300	526.900	-0.811
2	05:10:43	977.000	981.000	1026.000	513.300	525.300	-0.060	524.500	522.200	1.810
3	05:11:51	963.700	970.100	1014.000	497.300	514.100	-0.184	519.000	511.700	2.765
x		973.000	982.000	1028.000	507.900	538.500	-0.384	522.600	520.300	1.255
σ		8.071	12.430	15.620	9.196	33.020	0.458	3.133	7.778	1.852
%RSD		0.830	1.265	1.520	1.810	6.132	119.300	0.600	1.495	147.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:09:35	508.000	514.500	511.000	511.800	513.500	0.017	90%	506.400	513.000
2	05:10:43	506.100	500.700	505.700	513.700	517.800	0.003	91%	533.100	501.800
3	05:11:51	503.000	504.300	503.400	508.900	508.800	0.008	94%	529.800	501.700
x		505.700	506.500	506.700	511.400	513.400	0.009	92%	523.100	505.500
σ		2.538	7.161	3.902	2.409	4.495	0.007	2%	14.530	6.479
%RSD		0.502	1.414	0.770	0.471	0.876	76.880	2	2.778	1.282

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:09:35	25.810	504.700	518.200	529.200	515.900	522.100	2490.000	2463.000	103%
2	05:10:43	10.800	531.400	514.600	523.600	522.000	533.300	2514.000	2503.000	102%
3	05:11:51	2.880	528.600	506.800	521.800	505.400	523.100	2455.000	2474.000	103%
x		13.160	521.600	513.200	524.900	514.500	526.200	2486.000	2480.000	103%
σ		11.650	14.690	5.835	3.849	8.392	6.216	29.610	21.020	0%
%RSD		88.480	2.816	1.137	0.733	1.631	1.181	1.191	0.848	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:09:35	101%	509.200	503.900	512.200	504.400	510.600	95%	499.800
2	05:10:43	101%	505.600	501.800	499.500	508.700	507.200	97%	504.300
3	05:11:51	104%	510.400	507.000	505.600	510.000	509.700	97%	499.300
x		102%	508.400	504.200	505.800	507.700	509.200	96%	501.100
σ		2%	2.508	2.635	6.366	2.961	1.770	1%	2.774
%RSD		2	0.493	0.523	1.259	0.583	0.348	1	0.553

CCB 06/05/2011 05:16:21 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	05:17:29	129%	0.113	7.308	0.000	20.800	19.980	19.320	20.020	3.691
2	05:18:37	132%	0.239	5.334	0.000	28.400	26.780	27.420	26.160	4.732
3	05:19:45	128%	0.189	5.551	0.000	17.010	20.520	19.140	21.030	3.976
x		130%	0.181	6.065	0.000	22.070	22.430	21.960	22.400	4.133
σ		2%	0.063	1.083	0.000	5.802	3.779	4.728	3.293	0.538
%RSD		1	35.150	17.850	0.000	26.290	16.850	21.530	14.700	13.010
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:29	-1.810	4.247	0.000	0.000	17.510	23.490	25.070	99%	0.084
2	05:18:37	-1.853	4.195	0.000	0.000	18.400	40.880	41.650	100%	0.266
3	05:19:45	-1.750	3.335	0.000	0.000	10.560	38.720	22.090	102%	0.260
x		-1.804	3.926	0.000	0.000	15.490	34.360	29.610	100%	0.203
σ		0.052	0.512	0.000	0.000	4.292	9.480	10.540	1%	0.104
%RSD		2.871	13.040	0.000	0.000	27.710	27.590	35.600	1	50.920
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:29	-0.038	0.317	23.010	13.640	0.530	7.191	11.730	0.215	0.345
2	05:18:37	-0.742	0.319	23.250	16.200	0.682	10.500	14.730	0.329	0.267
3	05:19:45	0.254	0.343	20.260	15.380	0.496	7.290	13.820	0.251	0.253
x		-0.175	0.326	22.170	15.070	0.569	8.327	13.430	0.265	0.288
σ		0.512	0.014	1.664	1.308	0.099	1.882	1.539	0.058	0.049
%RSD		291.700	4.406	7.504	8.679	17.420	22.600	11.460	22.010	17.130
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:29	0.457	0.428	0.401	0.423	0.389	0.108	1.169	0.015	1.010
2	05:18:37	0.597	0.607	0.718	0.563	1.218	0.097	0.703	0.416	0.139
3	05:19:45	0.487	0.513	0.654	0.247	-1.459	0.105	0.157	-0.385	-0.769
x		0.514	0.516	0.591	0.411	0.049	0.103	0.676	0.016	0.127
σ		0.073	0.090	0.168	0.158	1.370	0.006	0.507	0.401	0.890
%RSD		14.260	17.390	28.400	38.490	2774.000	5.788	74.950	2564.000	701.300
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:29	0.759	0.682	0.631	0.602	0.667	0.003	100%	1.087	0.263
2	05:18:37	0.575	0.523	0.648	0.668	0.663	-0.001	101%	-0.974	0.285
3	05:19:45	0.377	0.394	0.418	0.464	0.428	0.003	104%	-1.201	0.218
x		0.571	0.533	0.566	0.578	0.586	0.001	102%	-0.363	0.255
σ		0.191	0.144	0.128	0.104	0.137	0.002	2%	1.260	0.034
%RSD		33.450	27.090	22.680	18.020	23.290	176.500	2	347.600	13.370
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:29	-0.416	1.058	0.243	0.221	0.639	0.816	1.015	1.312	109%
2	05:18:37	0.650	-1.002	0.320	0.251	0.672	0.748	1.633	1.636	112%
3	05:19:45	0.819	-1.222	0.259	0.158	0.401	0.483	1.200	1.337	113%
x		0.351	-0.389	0.274	0.210	0.570	0.682	1.283	1.428	112%
σ		0.669	1.258	0.040	0.048	0.148	0.176	0.317	0.180	2%
%RSD		190.700	323.700	14.720	22.610	25.950	25.820	24.740	12.620	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	05:17:29	109%	0.400	0.403	0.282	0.197	0.247	108%	0.202	
2	05:18:37	110%	0.494	0.425	0.374	0.305	0.342	108%	0.275	
3	05:19:45	112%	0.315	0.293	0.242	0.275	0.238	109%	0.211	
x		110%	0.403	0.374	0.299	0.259	0.276	108%	0.229	
σ		1%	0.089	0.071	0.068	0.056	0.058	0%	0.040	
%RSD		1	22.230	18.910	22.560	21.610	20.870	0	17.420	

C2362-16 MJDX53 06/05/2011 05:24:16 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	05:25:24	122%	0.374	3.886	0.000	976.200	57.730	57.550	57.960	11.950
2	05:26:32	120%	0.195	3.454	0.000	957.300	43.260	42.040	40.510	9.091
3	05:27:40	121%	0.059	4.097	0.000	937.800	34.710	36.000	34.630	8.218
x		121%	0.209	3.812	0.000	957.100	45.240	45.200	44.370	9.754
σ		1%	0.158	0.328	0.000	19.170	11.640	11.120	12.130	1.953
%RSD		1	75.540	8.605	0.000	2.003	25.730	24.600	27.350	20.030

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:24	9.135	-6.862	0.000	0.000	38.760	257.400	301.500	95%	0.676
2	05:26:32	8.633	-8.804	0.000	0.000	27.420	244.300	279.500	95%	0.221
3	05:27:40	8.855	-14.140	0.000	0.000	25.340	225.000	270.500	94%	0.586
x		8.874	-9.936	0.000	0.000	30.510	242.200	283.800	95%	0.495
σ		0.252	3.769	0.000	0.000	7.221	16.290	15.960	1%	0.241
%RSD		2.839	37.930	0.000	0.000	23.670	6.726	5.621	1	48.720

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:24	-4.881	1.592	169.600	34.060	3.625	34.860	38.950	0.385	0.567
2	05:26:32	-3.953	1.694	187.000	27.000	3.322	27.580	31.260	0.238	0.362
3	05:27:40	-7.029	1.552	203.400	24.780	3.319	24.840	30.880	0.161	0.245
x		-5.288	1.612	186.700	28.610	3.422	29.090	33.700	0.261	0.391
σ		1.578	0.073	16.940	4.849	0.176	5.182	4.553	0.114	0.163
%RSD		29.840	4.526	9.078	16.940	5.133	17.810	13.510	43.600	41.700

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:24	1.048	1.090	15.300	1.484	2.303	0.641	-0.206	-0.242	0.656
2	05:26:32	0.768	0.858	14.080	0.935	0.811	0.697	-1.631	0.886	-2.117
3	05:27:40	0.631	0.709	14.180	0.956	-4.320	0.769	-0.361	-0.243	1.125
x		0.816	0.886	14.520	1.125	-0.402	0.702	-0.733	0.134	-0.112
σ		0.212	0.192	0.678	0.311	3.474	0.064	0.782	0.651	1.752
%RSD		26.030	21.650	4.666	27.670	864.100	9.163	106.700	487.200	1563.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:24	0.459	0.478	0.414	0.469	0.374	-0.001	97%	-0.743	0.245
2	05:26:32	0.433	0.256	0.193	0.178	0.242	0.003	94%	-0.432	0.199
3	05:27:40	0.189	0.299	0.184	0.159	0.212	-0.001	93%	-0.982	0.201
x		0.360	0.344	0.264	0.269	0.276	0.000	95%	-0.719	0.215
σ		0.149	0.118	0.130	0.174	0.086	0.003	2%	0.276	0.026
%RSD		41.300	34.200	49.340	64.730	31.330	3009.000	2	38.390	12.210

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:24	0.769	-0.766	0.271	0.283	0.499	0.454	2.855	2.794	105%
2	05:26:32	0.250	-0.460	0.175	0.253	0.425	0.318	1.916	2.298	104%
3	05:27:40	0.752	-1.010	0.171	0.046	0.222	0.213	2.376	1.747	103%
x		0.590	-0.745	0.206	0.194	0.382	0.328	2.382	2.279	104%
σ		0.295	0.276	0.056	0.129	0.144	0.121	0.469	0.524	1%
%RSD		49.920	37.030	27.460	66.570	37.590	36.810	19.700	22.970	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:24	106%	0.385	0.420	0.586	0.579	0.556	103%	0.326
2	05:26:32	105%	0.248	0.209	0.415	0.334	0.379	102%	0.202
3	05:27:40	102%	0.138	0.155	0.350	0.298	0.308	100%	0.135
x		104%	0.257	0.262	0.450	0.404	0.414	101%	0.221
σ		2%	0.124	0.140	0.122	0.153	0.128	1%	0.097
%RSD		2	48.220	53.500	27.070	37.930	30.860	1	43.690

C2377-05 MJDX65 06/05/2011 05:32:11 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	05:33:19	117%	0.075	7.286	0.000	19390.000	9866.000	9484.000	8622.000	11.080
2	05:34:27	118%	0.036	8.324	0.000	19140.000	9695.000	9574.000	8763.000	11.340
3	05:35:35	115%	0.071	9.203	0.000	19450.000	9910.000	9905.000	8805.000	11.040
x		117%	0.061	8.271	0.000	19330.000	9823.000	9654.000	8730.000	11.150
σ		2%	0.021	0.960	0.000	165.700	113.700	221.600	95.720	0.162
%RSD		2	35.130	11.610	0.000	0.857	1.158	2.296	1.097	1.455

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:19	17390.000	159.500	0.000	0.000	2054.000	31090.000	34180.000	94%	2.101
2	05:34:27	17100.000	163.400	0.000	0.000	2069.000	31090.000	34990.000	94%	1.933
3	05:35:35	17740.000	174.900	0.000	0.000	2118.000	32380.000	35200.000	93%	2.217
x		17410.000	165.900	0.000	0.000	2080.000	31520.000	34790.000	94%	2.084
σ		322.000	8.004	0.000	0.000	33.260	747.500	536.100	1%	0.143
%RSD		1.849	4.824	0.000	0.000	1.599	2.371	1.541	1	6.868

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:19	-4.470	1.005	248.300	101.800	7.444	112.000	164.700	0.238	1.256
2	05:34:27	-3.384	1.026	262.700	105.600	7.433	111.700	174.800	0.270	1.229
3	05:35:35	-1.147	1.216	269.700	109.900	7.574	115.200	163.900	0.285	1.055
x		-3.000	1.082	260.200	105.800	7.484	112.900	167.800	0.264	1.180
σ		1.694	0.116	10.880	4.077	0.078	1.914	6.103	0.024	0.110
%RSD		56.480	10.740	4.182	3.854	1.044	1.694	3.637	9.119	9.283

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:19	3.432	3.515	416.300	1.239	-2.746	0.917	0.209	0.194	-0.620
2	05:34:27	3.256	3.192	418.900	1.333	-3.378	1.064	-0.700	0.146	1.543
3	05:35:35	3.492	3.234	421.600	1.397	1.156	1.112	-0.702	0.142	0.301
x		3.394	3.313	418.900	1.323	-1.656	1.031	-0.398	0.161	0.408
σ		0.123	0.176	2.679	0.080	2.455	0.102	0.526	0.029	1.086
%RSD		3.613	5.300	0.639	6.015	148.300	9.850	132.100	17.950	266.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:19	0.391	0.194	0.405	0.262	0.243	0.003	93%	-1.575	0.060
2	05:34:27	0.312	0.232	0.305	0.424	0.280	0.003	90%	-0.630	0.089
3	05:35:35	0.344	0.287	0.326	0.369	0.200	-0.001	92%	-0.436	0.082
x		0.349	0.238	0.345	0.351	0.241	0.002	91%	-0.880	0.077
σ		0.039	0.047	0.053	0.082	0.040	0.003	2%	0.609	0.015
%RSD		11.280	19.610	15.320	23.440	16.460	159.200	2	69.210	19.470

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:19	1.190	-1.595	0.044	0.784	0.324	0.131	69.030	66.900	100%
2	05:34:27	0.595	-0.667	0.069	1.005	0.374	0.149	66.780	66.030	103%
3	05:35:35	0.649	-0.466	0.070	1.278	0.444	0.179	68.590	65.980	102%
x		0.811	-0.909	0.061	1.023	0.381	0.153	68.130	66.300	102%
σ		0.329	0.602	0.015	0.247	0.060	0.025	1.195	0.517	1%
%RSD		40.610	66.220	23.860	24.200	15.730	16.050	1.753	0.780	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:19	100%	0.116	0.108	0.974	0.764	0.842	98%	0.419
2	05:34:27	102%	0.098	0.100	0.928	0.805	0.827	97%	0.452
3	05:35:35	101%	0.085	0.072	0.929	0.803	0.840	98%	0.481
x		101%	0.100	0.093	0.944	0.791	0.837	98%	0.451
σ		1%	0.016	0.019	0.026	0.023	0.008	0%	0.031
%RSD		1	15.690	20.530	2.773	2.914	0.961	0	6.872

C2377-06 MJDX65D 06/05/2011 05:40:06 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	05:41:14	117%	-0.001	9.491	0.000	19800.000	9916.000	9931.000	8954.000	10.060
2	05:42:22	116%	-0.025	8.407	0.000	19530.000	9963.000	9933.000	8780.000	10.260
3	05:43:30	116%	-0.019	9.466	0.000	19760.000	9931.000	9762.000	9095.000	10.910
x		116%	-0.015	9.121	0.000	19700.000	9937.000	9875.000	8943.000	10.410
σ		1%	0.013	0.619	0.000	148.100	24.290	98.270	157.900	0.445
%RSD		1	84.260	6.784	0.000	0.752	0.244	0.995	1.765	4.274

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:14	17270.000	148.700	0.000	0.000	2094.000	32240.000	34960.000	93%	2.115
2	05:42:22	17060.000	147.400	0.000	0.000	2025.000	30970.000	34720.000	95%	1.644
3	05:43:30	17280.000	144.500	0.000	0.000	2103.000	32230.000	35120.000	95%	1.746
x		17200.000	146.900	0.000	0.000	2074.000	31810.000	34940.000	95%	1.835
σ		127.900	2.165	0.000	0.000	42.580	728.400	201.700	1%	0.248
%RSD		0.744	1.474	0.000	0.000	2.053	2.290	0.577	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	05:41:14	-3.097	0.951	244.700	102.900	7.040	112.300	159.700	0.202	0.963
2	05:42:22	-2.720	1.063	254.800	99.470	6.880	106.400	153.700	0.183	0.877
3	05:43:30	-4.486	1.050	263.200	97.150	7.144	109.100	160.900	0.207	0.944
x		-3.434	1.021	254.200	99.850	7.021	109.300	158.100	0.197	0.928
σ		0.930	0.061	9.301	2.912	0.133	2.955	3.845	0.012	0.045
%RSD		27.090	5.992	3.659	2.917	1.894	2.704	2.432	6.268	4.883

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:14	3.163	3.008	426.300	0.785	-9.090	1.159	-0.208	-0.134	-0.601
2	05:42:22	3.134	3.160	423.600	1.622	-3.355	1.059	-0.978	0.519	0.239
3	05:43:30	3.136	3.115	412.300	1.838	-6.948	1.073	-0.756	0.835	-1.824
x		3.144	3.094	420.700	1.415	-6.464	1.097	-0.647	0.407	-0.729
σ		0.016	0.078	7.402	0.556	2.898	0.055	0.396	0.494	1.038
%RSD		0.520	2.522	1.759	39.310	44.830	4.981	61.270	121.400	142.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:14	0.418	0.248	0.178	0.194	0.194	-0.001	92%	-0.269	0.037
2	05:42:22	0.353	0.121	0.171	0.102	0.158	-0.001	92%	0.579	0.009
3	05:43:30	0.248	0.154	0.262	0.224	0.212	-0.001	94%	-0.762	0.011
x		0.340	0.174	0.204	0.173	0.188	-0.001	93%	-0.151	0.019
σ		0.086	0.066	0.051	0.063	0.028	0.000	1%	0.678	0.016
%RSD		25.330	37.830	25.040	36.580	14.720	0.000	1	450.300	83.080

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:14	0.411	-0.306	0.024	0.750	0.060	0.117	66.190	65.790	106%
2	05:42:22	0.078	0.546	-0.001	0.896	0.033	0.073	68.210	66.220	103%
3	05:43:30	1.177	-0.793	0.019	0.646	0.042	0.062	64.790	65.900	106%
x		0.555	-0.185	0.014	0.764	0.045	0.084	66.400	65.970	105%
σ		0.563	0.678	0.013	0.126	0.014	0.029	1.716	0.222	2%
%RSD		101.500	367.400	93.200	16.430	30.540	34.570	2.585	0.337	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:14	103%	0.050	0.040	0.862	0.785	0.796	102%	0.427
2	05:42:22	104%	0.025	0.010	0.868	0.656	0.753	102%	0.429
3	05:43:30	104%	0.023	0.015	0.757	0.827	0.773	103%	0.447
x		104%	0.033	0.021	0.829	0.756	0.774	102%	0.434
σ		0%	0.016	0.016	0.062	0.089	0.022	0%	0.011
%RSD		0	47.690	74.890	7.495	11.780	2.815	0	2.465

C2377-07 MJDX65S 06/05/2011 05:48:02 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	05:49:10	114%	44.060	9.489	0.000	19410.000	9875.000	9746.000	8848.000	1679.000
2	05:50:17	114%	44.070	8.627	0.000	19970.000	9855.000	9587.000	8632.000	1674.000
3	05:51:25	113%	45.630	10.020	0.000	19910.000	10050.000	10050.000	8975.000	1712.000
x		114%	44.590	9.379	0.000	19770.000	9926.000	9796.000	8818.000	1688.000
σ		1%	0.905	0.703	0.000	308.200	105.600	237.800	173.600	20.560
%RSD		1	2.031	7.500	0.000	1.559	1.064	2.428	1.968	1.218

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:49:10	17240.000	178.800	0.000	0.000	2074.000	31750.000	34490.000	93%	1.363
2	05:50:17	17030.000	205.800	0.000	0.000	2065.000	31780.000	34560.000	92%	2.308
3	05:51:25	17950.000	216.500	0.000	0.000	2114.000	31990.000	35270.000	91%	1.736
x		17410.000	200.400	0.000	0.000	2084.000	31840.000	34770.000	92%	1.802
σ		477.400	19.400	0.000	0.000	26.250	129.900	430.700	1%	0.476
%RSD		2.742	9.684	0.000	0.000	1.260	0.408	1.239	1	26.420

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:49:10	422.600	176.500	283.800	1089.000	462.700	996.000	1026.000	424.900	429.000
2	05:50:17	424.500	172.800	305.300	1077.000	468.900	1007.000	1063.000	430.300	423.900
3	05:51:25	434.500	178.000	322.100	1100.000	479.400	1031.000	1079.000	444.100	436.000
x		427.200	175.700	303.700	1089.000	470.400	1012.000	1056.000	433.100	429.600
σ		6.406	2.686	19.220	11.310	8.443	17.970	27.240	9.903	6.080
%RSD		1.499	1.528	6.329	1.039	1.795	1.777	2.580	2.287	1.415

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:49:10	220.000	219.800	890.300	39.480	4.872	1.094	8.309	9.301	1.809
2	05:50:17	219.200	224.700	895.800	40.040	10.710	1.169	10.910	8.659	2.465
3	05:51:25	225.600	229.000	899.500	40.130	10.600	1.254	8.137	9.035	1.596
x		221.600	224.500	895.200	39.880	8.726	1.172	9.120	8.998	1.956
σ		3.465	4.603	4.626	0.351	3.338	0.080	1.557	0.323	0.453
%RSD		1.564	2.051	0.517	0.879	38.250	6.820	17.070	3.585	23.150

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:49:10	0.321	0.206	0.181	0.197	0.188	-0.001	91%	47.760	43.790
2	05:50:17	0.325	0.262	0.247	0.270	0.200	-0.001	90%	48.520	43.490
3	05:51:25	0.364	0.133	0.183	0.176	0.186	-0.001	90%	53.020	44.550
x		0.337	0.200	0.204	0.214	0.191	-0.001	91%	49.770	43.950
σ		0.024	0.065	0.038	0.049	0.008	0.000	1%	2.845	0.546
%RSD		7.032	32.490	18.510	23.050	3.976	0.000	1	5.718	1.243

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:49:10	1.854	47.600	44.000	48.430	0.051	92.210	1814.000	1821.000	102%
2	05:50:17	0.170	48.350	44.470	49.120	0.144	95.430	1831.000	1863.000	100%
3	05:51:25	-2.605	52.900	44.110	49.520	0.116	93.480	1868.000	1856.000	98%
x		-0.194	49.620	44.190	49.020	0.104	93.700	1838.000	1847.000	100%
σ		2.252	2.869	0.248	0.553	0.048	1.623	27.600	22.760	2%
%RSD		1164.000	5.783	0.560	1.129	45.840	1.732	1.502	1.233	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:49:10	101%	43.680	42.940	19.740	17.970	18.290	99%	0.414
2	05:50:17	100%	42.680	43.350	19.380	18.210	18.910	99%	0.432
3	05:51:25	97%	44.350	45.230	20.480	19.230	19.360	95%	0.477
x		99%	43.570	43.840	19.870	18.470	18.850	98%	0.441
σ		2%	0.839	1.220	0.563	0.670	0.535	2%	0.032
%RSD		2	1.926	2.782	2.833	3.626	2.836	2	7.357

C2377-05LX5 MJDX65L 06/05/2011 05:55:57 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	05:57:05	120%	-0.033	3.225	0.000	4074.000	1880.000	1849.000	1850.000	2.688
2	05:58:13	122%	-0.034	2.159	0.000	3901.000	1850.000	1800.000	1793.000	2.939
3	05:59:21	123%	-0.034	2.765	0.000	3997.000	1858.000	1783.000	1779.000	2.857
x		122%	-0.034	2.716	0.000	3991.000	1862.000	1811.000	1807.000	2.828
σ		2%	0.001	0.535	0.000	86.580	15.630	34.490	37.300	0.128
%RSD		2	1.711	19.680	0.000	2.170	0.839	1.905	2.064	4.532

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:57:05	3380.000	23.260	0.000	0.000	436.300	6972.000	7491.000	93%	0.329
2	05:58:13	3215.000	22.250	0.000	0.000	418.800	6622.000	7059.000	96%	0.442
3	05:59:21	3319.000	19.340	0.000	0.000	424.200	6481.000	7196.000	96%	0.250
x		3305.000	21.610	0.000	0.000	426.400	6691.000	7249.000	95%	0.340
σ		83.380	2.037	0.000	0.000	8.992	252.800	221.200	2%	0.096
%RSD		2.523	9.422	0.000	0.000	2.109	3.779	3.051	2	28.320

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:57:05	-0.834	0.405	90.430	25.170	1.538	25.220	36.890	0.032	0.210
2	05:58:13	-0.664	0.372	85.720	24.070	1.527	23.470	33.330	0.042	0.195
3	05:59:21	-0.410	0.405	83.600	24.180	1.504	24.000	35.620	0.050	0.238
x		-0.636	0.394	86.580	24.470	1.523	24.230	35.280	0.041	0.214
σ		0.213	0.019	3.499	0.607	0.017	0.895	1.805	0.009	0.022
%RSD		33.550	4.892	4.041	2.480	1.148	3.692	5.116	20.710	10.260

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:57:05	0.642	0.759	85.900	0.120	-3.969	0.390	0.474	-0.511	0.461
2	05:58:13	0.760	0.637	84.440	0.546	-1.623	0.342	-0.139	0.075	-0.198
3	05:59:21	0.716	0.840	84.270	0.191	-3.069	0.395	0.256	-0.401	0.668
x		0.706	0.745	84.870	0.286	-2.887	0.376	0.197	-0.279	0.310
σ		0.060	0.102	0.896	0.228	1.184	0.029	0.311	0.312	0.452
%RSD		8.463	13.710	1.055	79.850	41.000	7.761	157.700	111.800	145.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:57:05	0.134	0.015	0.009	0.031	0.011	-0.001	96%	-0.178	-0.008
2	05:58:13	0.071	0.014	0.015	0.042	0.028	-0.001	97%	-2.303	-0.003
3	05:59:21	0.108	0.043	0.002	0.020	0.037	-0.001	96%	-1.013	-0.001
x		0.104	0.024	0.009	0.031	0.025	-0.001	96%	-1.164	-0.004
σ		0.032	0.017	0.007	0.011	0.013	0.000	0%	1.071	0.003
%RSD		30.520	69.750	73.410	35.070	52.000	0.000	1	91.950	85.310

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:57:05	0.049	-0.202	-0.001	0.225	-0.003	0.049	13.700	13.870	104%
2	05:58:13	1.226	-2.326	-0.011	0.053	0.004	0.008	13.700	13.660	107%
3	05:59:21	0.453	-1.038	-0.006	0.086	0.036	0.020	13.360	14.120	105%
x		0.576	-1.189	-0.006	0.121	0.012	0.026	13.580	13.880	105%
σ		0.598	1.070	0.005	0.091	0.020	0.021	0.197	0.234	1%
%RSD		103.800	90.020	81.110	75.280	167.300	83.270	1.452	1.688	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:57:05	105%	0.134	0.080	0.184	0.180	0.177	100%	0.075
2	05:58:13	105%	0.095	0.090	0.152	0.139	0.144	104%	0.083
3	05:59:21	104%	0.050	0.053	0.166	0.187	0.167	103%	0.084
x		105%	0.093	0.074	0.167	0.168	0.163	102%	0.081
σ		0%	0.042	0.019	0.016	0.026	0.017	2%	0.005
%RSD		0	45.100	25.600	9.572	15.420	10.290	2	6.493

C2377-08 MJDX66 06/05/2011 06:03:53 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	06:05:01	118%	-0.014	4.667	0.000	15190.000	12790.000	12630.000	11610.000	18.900
2	06:06:09	118%	-0.014	5.869	0.000	15230.000	12970.000	12920.000	11690.000	18.100
3	06:07:17	117%	-0.039	5.501	0.000	15370.000	13170.000	13100.000	11640.000	19.000
x		118%	-0.022	5.346	0.000	15260.000	12980.000	12880.000	11640.000	18.670
σ		1%	0.014	0.616	0.000	92.060	188.700	239.300	41.020	0.493
%RSD		1	64.090	11.530	0.000	0.603	1.454	1.857	0.352	2.640

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:05:01	18660.000	45.680	0.000	0.000	1600.000	32520.000	35870.000	97%	2.120
2	06:06:09	18460.000	31.960	0.000	0.000	1605.000	32880.000	36410.000	95%	1.805
3	06:07:17	19040.000	36.490	0.000	0.000	1654.000	33160.000	36130.000	96%	1.445
x		18720.000	38.040	0.000	0.000	1620.000	32850.000	36140.000	96%	1.790
σ		294.600	6.989	0.000	0.000	29.620	324.100	268.700	1%	0.338
%RSD		1.573	18.370	0.000	0.000	1.829	0.986	0.744	1	18.890

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:05:01	-2.302	0.897	216.200	18.420	2.390	24.290	69.650	0.219	0.492
2	06:06:09	-0.199	1.020	230.000	19.140	2.221	24.180	71.720	0.184	0.577
3	06:07:17	-1.639	0.975	242.100	17.380	2.350	25.240	68.910	0.156	0.550
x		-1.380	0.964	229.400	18.310	2.320	24.570	70.100	0.187	0.540
σ		1.075	0.062	12.960	0.884	0.088	0.585	1.455	0.032	0.044
%RSD		77.920	6.443	5.650	4.828	3.809	2.379	2.075	16.920	8.087

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:05:01	19.030	18.650	74.060	1.810	3.386	0.860	-0.678	0.237	-0.729
2	06:06:09	18.810	19.330	75.610	1.173	-3.247	0.989	-1.197	0.294	-0.123
3	06:07:17	19.110	19.480	75.890	1.178	-5.827	1.047	-0.570	0.133	1.306
x		18.980	19.150	75.190	1.387	-1.896	0.965	-0.815	0.221	0.152
σ		0.156	0.445	0.984	0.366	4.753	0.096	0.335	0.082	1.045
%RSD		0.821	2.321	1.309	26.420	250.700	9.935	41.110	36.880	689.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:05:01	0.109	0.123	0.138	0.121	0.099	-0.001	95%	-1.522	0.024
2	06:06:09	0.271	0.073	0.084	0.099	0.149	0.008	95%	-1.374	0.031
3	06:07:17	0.135	0.110	0.071	0.133	0.109	-0.001	94%	-3.327	0.015
x		0.172	0.102	0.098	0.118	0.119	0.002	95%	-2.074	0.024
σ		0.087	0.026	0.035	0.017	0.026	0.005	0%	1.087	0.008
%RSD		50.610	25.330	36.090	14.580	22.000	327.900	0	52.410	34.020

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:05:01	0.705	-1.557	0.030	0.016	-0.038	0.031	17.460	17.940	110%
2	06:06:09	0.632	-1.407	0.011	-0.044	0.013	0.026	17.530	18.130	108%
3	06:07:17	1.574	-3.354	0.018	-0.155	-0.014	0.049	18.540	18.280	109%
x		0.970	-2.106	0.020	-0.061	-0.013	0.035	17.840	18.110	109%
σ		0.524	1.084	0.010	0.087	0.026	0.012	0.605	0.168	1%
%RSD		54.020	51.450	48.590	143.000	194.500	34.340	3.392	0.927	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:05:01	109%	0.063	0.038	0.509	0.374	0.414	106%	1.035
2	06:06:09	109%	0.045	0.036	0.481	0.438	0.422	105%	1.141
3	06:07:17	108%	0.037	0.033	0.477	0.431	0.439	106%	1.059
x		109%	0.048	0.036	0.489	0.414	0.425	106%	1.078
σ		1%	0.014	0.003	0.018	0.035	0.013	0%	0.055
%RSD		1	28.240	7.395	3.634	8.508	2.986	0	5.135

C2377-09 MJDX67 06/05/2011 06:11:50 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	06:12:58	119%	-0.014	4.896	0.000	11610.000	9415.000	9348.000	8407.000	1.437
2	06:14:06	118%	-0.033	4.787	0.000	11690.000	9445.000	9530.000	8602.000	1.486
3	06:15:14	120%	-0.027	4.193	0.000	11610.000	9578.000	9276.000	8463.000	1.538
x		119%	-0.025	4.625	0.000	11630.000	9479.000	9384.000	8491.000	1.487
σ		1%	0.009	0.378	0.000	44.230	86.640	130.800	100.500	0.050
%RSD		1	37.850	8.175	0.000	0.380	0.914	1.394	1.183	3.381

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:12:58	18720.000	165.000	0.000	0.000	1682.000	23190.000	26130.000	94%	1.603
2	06:14:06	18590.000	136.000	0.000	0.000	1669.000	23170.000	25710.000	95%	1.420
3	06:15:14	18820.000	152.000	0.000	0.000	1691.000	24280.000	26010.000	95%	1.551
x		18710.000	151.000	0.000	0.000	1681.000	23550.000	25950.000	95%	1.525
σ		112.400	14.520	0.000	0.000	10.940	638.000	219.800	1%	0.094
%RSD		0.601	9.620	0.000	0.000	0.651	2.710	0.847	1	6.196

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:12:58	1.620	1.079	238.300	-3.900	2.080	7.842	37.730	0.064	0.333
2	06:14:06	-0.259	1.072	250.900	-1.733	1.807	8.028	39.160	0.069	0.285
3	06:15:14	1.795	1.084	259.400	-0.785	1.954	8.354	40.280	0.056	0.356
x		1.052	1.079	249.500	-2.139	1.947	8.075	39.050	0.063	0.325
σ		1.139	0.006	10.610	1.597	0.137	0.259	1.277	0.006	0.036
%RSD		108.300	0.563	4.253	74.630	7.027	3.211	3.269	10.190	11.110

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:12:58	3.526	3.578	126.400	1.413	-1.468	1.006	-1.046	0.631	-0.037
2	06:14:06	3.472	3.370	122.900	1.489	1.735	0.977	-0.869	0.082	-2.097
3	06:15:14	3.724	3.795	123.100	1.601	1.657	1.008	-0.261	0.139	-0.626
x		3.574	3.581	124.100	1.501	0.641	0.997	-0.726	0.284	-0.920
σ		0.133	0.213	1.982	0.094	1.827	0.017	0.412	0.302	1.061
%RSD		3.717	5.941	1.598	6.289	284.900	1.720	56.760	106.300	115.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:12:58	0.328	0.254	0.337	0.274	0.221	-0.001	93%	-2.873	0.002
2	06:14:06	0.450	0.252	0.203	0.248	0.174	-0.001	93%	-1.041	0.002
3	06:15:14	0.379	0.203	0.254	0.205	0.212	0.003	92%	-2.028	0.009
x		0.386	0.236	0.265	0.242	0.202	0.000	93%	-1.981	0.004
σ		0.061	0.029	0.068	0.034	0.025	0.003	1%	0.917	0.004
%RSD		15.880	12.320	25.520	14.210	12.410	2225.000	1	46.320	99.780

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:12:58	1.354	-2.901	0.014	-0.077	-0.008	0.013	8.942	9.549	105%
2	06:14:06	0.546	-1.069	0.004	-0.002	0.008	0.007	9.511	9.065	104%
3	06:15:14	1.026	-2.060	0.007	-0.100	-0.000	0.010	9.146	10.090	106%
x		0.975	-2.010	0.008	-0.060	-0.000	0.010	9.200	9.567	105%
σ		0.407	0.917	0.005	0.051	0.008	0.003	0.288	0.511	1%
%RSD		41.700	45.630	62.640	85.740	3370.000	31.340	3.131	5.342	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:12:58	105%	0.036	0.022	1.312	1.170	1.210	104%	0.663
2	06:14:06	106%	0.009	0.013	1.273	1.233	1.243	102%	0.681
3	06:15:14	105%	0.022	0.014	1.214	1.209	1.201	103%	0.657
x		106%	0.022	0.016	1.266	1.204	1.218	103%	0.667
σ		0%	0.013	0.005	0.049	0.032	0.022	1%	0.012
%RSD		0	60.170	29.920	3.891	2.637	1.792	1	1.867

C2377-10 MJDX70 06/05/2011 06:19:47 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	06:20:55	121%	-0.027	5.380	0.000	14360.000	13140.000	12870.000	11700.000	37.610
2	06:22:03	119%	-0.052	4.193	0.000	14010.000	12860.000	12640.000	11490.000	37.430
3	06:23:11	116%	-0.070	4.680	0.000	14480.000	13200.000	13220.000	11900.000	38.850
x		119%	-0.050	4.751	0.000	14280.000	13060.000	12910.000	11700.000	37.960
σ		2%	0.021	0.596	0.000	243.900	183.300	291.300	205.900	0.774
%RSD		2	43.100	12.550	0.000	1.708	1.403	2.256	1.760	2.040

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:20:55	18720.000	69.110	0.000	0.000	1610.000	33390.000	36460.000	96%	1.758
2	06:22:03	18900.000	61.440	0.000	0.000	1560.000	32000.000	34860.000	99%	1.764
3	06:23:11	19240.000	60.400	0.000	0.000	1622.000	33370.000	37180.000	95%	1.804
x		18950.000	63.650	0.000	0.000	1597.000	32920.000	36170.000	97%	1.776
σ		262.500	4.761	0.000	0.000	32.490	795.800	1185.000	2%	0.025
%RSD		1.385	7.480	0.000	0.000	2.034	2.417	3.278	2	1.411

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:20:55	-0.391	0.920	239.200	19.720	3.384	30.180	74.620	0.046	0.444
2	06:22:03	-0.518	0.895	246.600	18.000	3.252	28.590	75.430	0.045	0.434
3	06:23:11	-1.970	0.996	267.300	20.350	3.320	31.150	78.500	0.058	0.466
x		-0.960	0.937	251.000	19.360	3.319	29.980	76.180	0.049	0.448
σ		0.877	0.052	14.550	1.215	0.066	1.290	2.046	0.007	0.017
%RSD		91.410	5.589	5.795	6.274	1.994	4.304	2.686	14.320	3.707

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:20:55	23.670	23.960	83.620	1.311	-1.287	1.015	-0.545	0.131	-1.006
2	06:22:03	22.890	23.170	81.700	1.901	0.766	0.948	-1.071	0.022	2.058
3	06:23:11	24.250	24.190	83.240	1.212	-2.418	1.154	-0.691	-0.297	2.214
x		23.600	23.770	82.850	1.475	-0.980	1.039	-0.769	-0.048	1.089
σ		0.685	0.532	1.020	0.373	1.614	0.105	0.271	0.223	1.816
%RSD		2.901	2.236	1.231	25.280	164.800	10.110	35.270	465.100	166.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:20:55	0.281	0.043	0.131	0.121	0.068	-0.001	95%	-1.765	-0.001
2	06:22:03	0.170	0.058	0.090	0.110	0.082	-0.001	95%	-0.584	-0.003
3	06:23:11	0.137	0.097	0.148	0.123	0.111	0.003	93%	-1.640	0.006
x		0.196	0.066	0.123	0.118	0.087	0.000	94%	-1.330	0.001
σ		0.076	0.028	0.029	0.007	0.022	0.003	1%	0.649	0.005
%RSD		38.510	41.700	24.000	6.201	24.970	2582.000	1	48.790	657.400

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:20:55	0.970	-1.794	0.009	-0.094	-0.030	0.031	18.250	18.870	107%
2	06:22:03	0.402	-0.618	0.006	-0.057	-0.014	-0.003	20.650	19.870	107%
3	06:23:11	0.838	-1.674	-0.003	-0.088	0.002	-0.020	20.170	19.870	107%
x		0.737	-1.362	0.004	-0.080	-0.014	0.003	19.690	19.540	107%
σ		0.297	0.647	0.006	0.020	0.016	0.026	1.270	0.579	0%
%RSD		40.350	47.530	166.200	25.230	116.600	1004.000	6.449	2.964	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:20:55	108%	0.020	0.015	0.459	0.417	0.416	105%	1.057
2	06:22:03	108%	0.010	0.010	0.465	0.359	0.429	105%	1.068
3	06:23:11	108%	0.011	0.004	0.502	0.334	0.443	103%	1.097
x		108%	0.014	0.010	0.475	0.370	0.429	104%	1.074
σ		0%	0.005	0.006	0.023	0.043	0.013	1%	0.021
%RSD		0	39.790	57.010	4.813	11.580	3.107	1	1.957

zzzzzz 06/05/2011 06:27:44 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	06:28:52	126%	-0.052	-0.248	0.000	-5.850	-1.287	-0.779	-0.547	0.087
2	06:30:00	130%	-0.030	0.111	0.000	-6.417	-1.293	-0.827	-1.412	0.105
3	06:31:08	127%	-0.053	0.921	0.000	-6.420	-1.170	-0.941	-1.260	0.130
x		128%	-0.045	0.261	0.000	-6.229	-1.250	-0.849	-1.073	0.107
σ		2%	0.013	0.599	0.000	0.328	0.069	0.083	0.462	0.021
%RSD		1	28.710	229.000	0.000	5.263	5.556	9.791	43.020	19.980
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:52	-3.054	-2.738	0.000	0.000	-7.313	-3.434	0.892	98%	0.023
2	06:30:00	-3.182	-6.066	0.000	0.000	-12.310	-2.235	2.571	101%	0.019
3	06:31:08	-3.909	-3.907	0.000	0.000	-9.352	-5.103	-2.161	100%	-0.072
x		-3.382	-4.237	0.000	0.000	-9.659	-3.591	0.434	100%	-0.010
σ		0.461	1.688	0.000	0.000	2.513	1.440	2.399	2%	0.054
%RSD		13.630	39.850	0.000	0.000	26.020	40.120	552.900	2	538.400
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:52	-0.243	0.209	44.550	5.276	0.052	3.830	-0.402	-0.003	-0.002
2	06:30:00	-1.284	0.230	40.650	0.012	0.026	1.821	-0.874	-0.005	-0.003
3	06:31:08	-0.281	0.145	36.460	1.634	0.063	2.909	-2.198	-0.002	0.022
x		-0.603	0.195	40.550	2.307	0.047	2.853	-1.158	-0.003	0.005
σ		0.590	0.044	4.046	2.696	0.019	1.006	0.931	0.002	0.014
%RSD		97.930	22.730	9.978	116.800	40.510	35.250	80.380	50.700	258.300
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:52	-0.000	0.026	0.052	0.272	-1.845	0.220	0.189	-0.648	1.558
2	06:30:00	-0.002	0.004	0.078	0.311	2.585	0.168	0.272	-0.038	0.119
3	06:31:08	0.002	-0.003	0.022	0.269	-1.799	0.161	-0.355	-0.491	0.937
x		-0.000	0.009	0.051	0.284	-0.353	0.183	0.035	-0.392	0.871
σ		0.002	0.015	0.028	0.024	2.545	0.032	0.341	0.317	0.722
%RSD		3009.000	166.500	54.720	8.338	720.100	17.690	972.000	80.770	82.820
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:52	-0.016	-0.044	-0.045	-0.035	-0.042	-0.001	101%	-0.061	-0.010
2	06:30:00	0.007	-0.051	-0.026	-0.014	-0.030	0.003	101%	-1.843	-0.015
3	06:31:08	-0.016	-0.044	-0.026	-0.035	-0.038	0.007	101%	-1.522	-0.012
x		-0.008	-0.046	-0.032	-0.028	-0.036	0.003	101%	-1.142	-0.012
σ		0.013	0.004	0.011	0.012	0.006	0.004	0%	0.950	0.002
%RSD		162.100	8.588	33.880	42.580	17.290	150.700	0	83.180	17.370
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:52	-0.004	-0.092	-0.011	0.001	-0.042	-0.033	-0.053	-0.028	112%
2	06:30:00	0.857	-1.872	-0.013	-0.092	-0.065	-0.022	-0.036	-0.019	114%
3	06:31:08	0.700	-1.548	-0.013	-0.102	-0.046	-0.025	-0.036	0.001	112%
x		0.518	-1.171	-0.012	-0.064	-0.051	-0.027	-0.042	-0.015	113%
σ		0.459	0.948	0.001	0.057	0.012	0.006	0.009	0.014	1%
%RSD		88.580	80.990	10.630	87.710	23.680	21.140	22.490	94.540	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:28:52	111%	0.020	-0.001	0.009	0.004	0.004	111%	-0.004	
2	06:30:00	113%	0.011	0.002	0.024	0.009	0.010	112%	-0.004	
3	06:31:08	112%	0.010	0.009	0.023	-0.005	0.002	110%	-0.004	
x		112%	0.014	0.003	0.019	0.003	0.006	111%	-0.004	
σ		1%	0.006	0.005	0.009	0.007	0.004	1%	0.000	
%RSD		1	42.770	154.200	45.650	275.400	71.730	1	0.180	

zzzzzz 06/05/2011 06:35:41 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	06:36:49	129%	-0.036	0.667	0.000	-8.180	-1.641	-0.853	-0.958	0.088
2	06:37:57	130%	-0.030	0.105	0.000	-9.027	-1.625	-1.467	-1.499	0.028
3	06:39:05	133%	-0.036	0.388	0.000	-8.337	-1.350	-0.948	-1.268	0.104
x		130%	-0.034	0.387	0.000	-8.514	-1.538	-1.090	-1.242	0.073
σ		2%	0.003	0.281	0.000	0.451	0.164	0.331	0.272	0.040
%RSD		2	9.694	72.730	0.000	5.293	10.650	30.330	21.890	54.730

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:36:49	-3.716	-1.934	0.000	0.000	-9.479	-2.139	-0.181	100%	-0.041
2	06:37:57	-4.136	-5.075	0.000	0.000	-9.953	-3.707	-0.385	102%	-0.103
3	06:39:05	-3.528	-2.667	0.000	0.000	-9.531	2.125	-1.209	102%	0.049
x		-3.793	-3.225	0.000	0.000	-9.654	-1.240	-0.592	101%	-0.032
σ		0.311	1.643	0.000	0.000	0.260	3.018	0.545	1%	0.076
%RSD		8.200	50.950	0.000	0.000	2.691	243.300	92.050	1	240.100

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:36:49	-1.194	0.129	28.040	0.601	0.014	3.991	0.212	-0.002	0.022
2	06:37:57	-0.140	0.113	25.360	0.954	0.023	3.288	0.164	-0.004	-0.003
3	06:39:05	-0.783	0.111	25.290	1.474	0.031	3.581	-0.424	-0.009	0.013
x		-0.706	0.118	26.230	1.010	0.023	3.620	-0.016	-0.005	0.011
σ		0.531	0.010	1.569	0.439	0.008	0.353	0.354	0.004	0.013
%RSD		75.230	8.207	5.982	43.490	37.150	9.763	2204.000	77.720	120.100

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:36:49	-0.008	-0.009	-0.024	0.046	-2.395	0.125	-0.007	-0.189	2.894
2	06:37:57	-0.019	-0.010	0.016	-0.148	0.518	0.137	-0.421	-0.238	0.332
3	06:39:05	-0.012	-0.017	0.034	-0.126	-0.562	0.148	-0.722	-0.684	0.840
x		-0.013	-0.012	0.009	-0.076	-0.813	0.137	-0.383	-0.370	1.355
σ		0.006	0.004	0.030	0.106	1.473	0.011	0.359	0.273	1.357
%RSD		42.210	35.050	347.100	139.500	181.200	8.362	93.720	73.580	100.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:36:49	-0.027	-0.044	-0.045	-0.014	-0.029	-0.001	100%	-0.094	-0.015
2	06:37:57	0.006	-0.044	-0.039	-0.025	-0.030	-0.001	103%	-0.668	-0.006
3	06:39:05	0.017	-0.037	-0.039	-0.035	-0.038	-0.001	103%	0.135	-0.010
x		-0.001	-0.042	-0.041	-0.025	-0.032	-0.001	102%	-0.209	-0.010
σ		0.023	0.004	0.003	0.011	0.005	0.000	2%	0.414	0.004
%RSD		2020.000	9.109	8.527	42.770	15.060	0.000	2	197.900	40.760

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:36:49	0.012	-0.126	-0.009	-0.001	-0.068	-0.027	-0.020	0.001	111%
2	06:37:57	0.358	-0.695	-0.009	-0.061	-0.054	-0.036	-0.004	-0.009	113%
3	06:39:05	-0.098	0.102	-0.011	-0.007	-0.026	-0.033	-0.037	-0.010	116%
x		0.091	-0.240	-0.009	-0.023	-0.049	-0.032	-0.020	-0.006	113%
σ		0.238	0.410	0.001	0.033	0.021	0.004	0.016	0.006	2%
%RSD		262.000	171.300	14.260	141.900	42.840	13.670	80.990	101.200	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:36:49	110%	0.011	0.005	0.016	-0.005	0.001	111%	-0.003
2	06:37:57	112%	0.002	0.012	0.002	0.009	0.003	112%	-0.004
3	06:39:05	115%	0.024	0.010	0.007	-0.008	0.002	111%	-0.004
x		112%	0.012	0.009	0.008	-0.001	0.002	111%	-0.004
σ		2%	0.011	0.004	0.007	0.009	0.001	0%	0.000
%RSD		2	87.960	41.240	85.810	613.800	50.130	0	13.210

CCV 06/05/2011 06:43:38 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	06:44:46	128%	463.700	485.800	0.000	49950.000	50190.000	50190.000	49030.000	9727.000
2	06:45:54	128%	463.800	482.200	0.000	50890.000	50900.000	50660.000	50920.000	10040.000
3	06:47:01	129%	467.300	505.400	0.000	51040.000	51830.000	50820.000	50370.000	9803.000
x		128%	464.900	491.100	0.000	50630.000	50980.000	50560.000	50110.000	9856.000
σ		0%	2.075	12.510	0.000	590.300	823.200	326.600	973.900	162.300
%RSD		0	0.446	2.548	0.000	1.166	1.615	0.646	1.944	1.646

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:46	471.300	8834.000	0.000	0.000	25060.000	53370.000	51150.000	100%	492.500
2	06:45:54	489.800	9032.000	0.000	0.000	26380.000	57190.000	51750.000	99%	498.100
3	06:47:01	474.400	8963.000	0.000	0.000	26150.000	55990.000	51260.000	100%	506.800
x		478.500	8943.000	0.000	0.000	25860.000	55520.000	51390.000	100%	499.100
σ		9.935	100.700	0.000	0.000	701.500	1952.000	320.200	1%	7.234
%RSD		2.076	1.126	0.000	0.000	2.712	3.517	0.623	1	1.449

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:46	484.400	488.100	26.570	25840.000	1008.000	27260.000	26910.000	479.900	468.800
2	06:45:54	493.300	505.200	26.940	25990.000	1026.000	27600.000	27820.000	494.900	495.900
3	06:47:01	496.200	492.800	20.090	26000.000	1026.000	27470.000	26820.000	482.200	494.600
x		491.300	495.400	24.530	25940.000	1020.000	27440.000	27180.000	485.600	486.400
σ		6.155	8.847	3.853	89.980	10.460	168.600	554.500	8.083	15.280
%RSD		1.253	1.786	15.700	0.347	1.025	0.614	2.040	1.664	3.141

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:46	939.200	947.800	1002.000	502.800	542.900	-0.748	513.700	524.500	1.308
2	06:45:54	980.500	976.400	1026.000	505.800	521.700	-0.340	533.900	518.000	2.228
3	06:47:01	965.900	964.500	1020.000	504.700	529.000	-0.480	526.900	525.000	1.790
x		961.900	962.900	1016.000	504.400	531.200	-0.522	524.800	522.500	1.776
σ		20.960	14.400	12.460	1.531	10.780	0.208	10.260	3.889	0.460
%RSD		2.179	1.495	1.227	0.303	2.030	39.730	1.955	0.744	25.920

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:46	501.100	505.500	507.600	502.400	504.800	0.007	99%	528.300	502.400
2	06:45:54	519.400	526.000	519.000	523.900	520.800	0.003	97%	540.600	520.900
3	06:47:01	503.500	512.700	509.200	505.000	512.200	-0.001	100%	529.400	504.600
x		508.000	514.700	511.900	510.400	512.600	0.003	99%	532.800	509.300
σ		9.959	10.390	6.160	11.720	7.994	0.004	2%	6.818	10.110
%RSD		1.960	2.018	1.203	2.297	1.560	147.800	2	1.280	1.986

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:46	9.116	527.100	514.900	533.800	508.400	523.400	2475.000	2458.000	109%
2	06:45:54	16.790	538.700	529.900	547.400	528.900	527.100	2566.000	2574.000	111%
3	06:47:01	4.371	527.700	512.900	522.500	517.600	521.100	2480.000	2500.000	113%
x		10.090	531.200	519.200	534.600	518.300	523.900	2507.000	2511.000	111%
σ		6.267	6.536	9.323	12.470	10.250	3.072	50.980	58.740	2%
%RSD		62.100	1.231	1.796	2.333	1.978	0.586	2.033	2.340	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:46	110%	500.800	496.900	505.500	511.100	511.800	104%	496.900
2	06:45:54	109%	501.700	499.300	500.400	509.600	506.200	105%	498.900
3	06:47:01	112%	505.100	500.700	496.400	502.300	504.300	107%	505.700
x		110%	502.500	499.000	500.800	507.700	507.400	106%	500.500
σ		2%	2.280	1.913	4.565	4.741	3.939	2%	4.642
%RSD		2	0.454	0.383	0.912	0.934	0.776	1	0.927

CCB 06/05/2011 06:51:32 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	06:52:40	134%	0.156	5.495	0.000	13.330	15.740	16.400	15.470	2.909
2	06:53:48	137%	0.130	4.274	0.000	14.300	18.820	19.090	18.510	3.679
3	06:54:56	132%	0.059	3.703	0.000	6.640	12.420	12.460	12.590	2.505
x		134%	0.115	4.491	0.000	11.420	15.660	15.980	15.520	3.031
σ		3%	0.050	0.916	0.000	4.171	3.202	3.332	2.961	0.596
%RSD		2	43.880	20.400	0.000	36.520	20.450	20.840	19.080	19.670

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:40	-3.341	0.599	0.000	0.000	9.548	16.110	18.870	104%	0.400
2	06:53:48	-2.632	1.118	0.000	0.000	8.020	24.250	24.000	105%	0.102
3	06:54:56	-3.561	1.937	0.000	0.000	0.988	8.525	15.580	107%	0.042
x		-3.178	1.218	0.000	0.000	6.185	16.300	19.480	105%	0.181
σ		0.485	0.674	0.000	0.000	4.566	7.866	4.242	1%	0.192
%RSD		15.270	55.360	0.000	0.000	73.820	48.270	21.770	1	105.800

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:40	-0.355	0.223	14.920	12.430	0.335	6.032	11.160	0.151	0.192
2	06:53:48	-0.215	0.292	14.250	11.830	0.494	7.475	10.780	0.193	0.213
3	06:54:56	0.010	0.215	13.700	9.976	0.294	4.275	9.325	0.137	0.112
x		-0.187	0.243	14.290	11.410	0.374	5.927	10.420	0.160	0.172
σ		0.184	0.043	0.614	1.278	0.106	1.603	0.970	0.029	0.053
%RSD		98.590	17.530	4.299	11.200	28.250	27.040	9.307	17.900	31.030

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:40	0.396	0.270	0.492	0.301	0.255	0.056	0.857	0.098	-2.149
2	06:53:48	0.338	0.391	0.467	0.099	-0.700	0.089	0.827	-0.189	0.630
3	06:54:56	0.328	0.286	0.400	0.156	0.079	0.056	1.000	0.244	-0.088
x		0.354	0.316	0.453	0.185	-0.122	0.067	0.895	0.051	-0.536
σ		0.037	0.066	0.047	0.105	0.508	0.019	0.092	0.220	1.443
%RSD		10.400	20.790	10.450	56.370	416.200	28.460	10.330	429.800	269.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:40	0.703	0.837	0.691	0.952	0.843	-0.001	108%	-1.429	0.247
2	06:53:48	0.692	0.599	0.637	0.686	0.680	-0.001	108%	0.207	0.352
3	06:54:56	0.593	0.531	0.497	0.518	0.506	-0.001	105%	-0.447	0.179
x		0.663	0.656	0.608	0.719	0.676	-0.001	107%	-0.556	0.259
σ		0.061	0.161	0.100	0.219	0.169	0.000	1%	0.824	0.087
%RSD		9.185	24.500	16.510	30.500	24.920	0.000	1	148.100	33.720

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:40	0.653	-1.451	0.221	0.152	0.607	0.787	0.942	0.870	117%
2	06:53:48	-0.136	0.180	0.251	0.192	0.603	0.688	1.063	1.109	118%
3	06:54:56	0.181	-0.475	0.162	0.167	0.464	0.506	0.765	0.671	117%
x		0.233	-0.582	0.211	0.170	0.558	0.660	0.924	0.883	117%
σ		0.397	0.821	0.045	0.020	0.081	0.142	0.150	0.219	1%
%RSD		170.400	141.000	21.430	12.020	14.600	21.580	16.250	24.830	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:52:40	116%	0.272	0.301	0.183	0.174	0.191	114%	0.173
2	06:53:48	116%	0.335	0.284	0.255	0.213	0.223	113%	0.216
3	06:54:56	117%	0.165	0.176	0.181	0.166	0.155	114%	0.120
x		117%	0.257	0.254	0.207	0.184	0.190	114%	0.169
σ		1%	0.086	0.068	0.042	0.025	0.034	1%	0.048
%RSD		1	33.400	26.630	20.510	13.610	18.040	1	28.420

Mass Uncorrected ICPS

S0 (S0) 06/04/2011 04:13:57 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:15:05	31318.667	4.688	18.750	306.253	19607.196	1278.182	171.876	175.001	600.013
2	16:16:13	30397.932	5.729	25.000	335.941	20106.327	1420.383	167.188	243.752	643.765
3	16:17:21	30161.494	4.688	14.063	284.378	20298.786	1557.897	181.251	223.439	746.895
x		30626.031	5.035	19.271	308.858	20004.103	1418.821	173.439	214.064	663.557
σ		611.379	0.601	5.487	25.880	356.947	139.864	7.160	35.321	75.415
%RSD		1.996	11.945	28.475	8.379	1.784	9.858	4.128	16.500	11.365

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:15:05	3587.951	1170.360	20366.069	68884.428	60493.435	10.938	287.503	97575.852	6.250
2	16:16:13	3466.045	1232.866	20463.083	68652.063	61006.548	10.938	285.940	98252.340	3.125
3	16:17:21	3717.671	1307.872	20483.424	70476.540	61384.725	12.500	279.690	100579.390	6.250
x		3590.556	1237.033	20437.526	69337.677	60961.569	11.458	284.378	98802.527	5.208
σ		125.833	68.851	62.713	993.104	447.344	0.902	4.134	1575.543	1.804
%RSD		3.505	5.566	0.307	1.432	0.734	7.873	1.454	1.595	34.641

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:15:05	181.251	334.379	59.375	3273.813	129.688	42868.912	323.441	6.250	1.563
2	16:16:13	171.876	278.128	82.813	3391.027	134.376	44697.942	337.504	3.125	7.813
3	16:17:21	190.626	292.190	82.813	3317.573	126.563	44340.581	439.069	14.063	6.250
x		181.251	301.566	75.000	3327.471	130.209	43969.145	366.671	7.813	5.208
σ		9.375	29.274	13.532	59.231	3.932	969.439	63.091	5.634	3.253
%RSD		5.172	9.707	18.042	1.780	3.020	2.205	17.207	72.111	62.450

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:15:05	28.125	6.250	79.688	2.083	0.000	2.604	168.751	16.146	8.854
2	16:16:13	20.313	20.313	81.250	3.125	3.125	0.521	150.001	8.854	7.813
3	16:17:21	37.500	12.500	65.625	6.771	1.563	0.521	167.709	7.813	10.417
x		28.646	13.021	75.521	3.993	1.563	1.215	162.154	10.938	9.028
σ		8.606	7.046	8.606	2.461	1.563	1.203	10.538	4.541	1.311
%RSD		30.041	54.111	11.395	61.641	100.000	98.974	6.499	41.513	14.519

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:15:05	4.688	10.938	9.375	9.375	28.125	0.000	204289.390	115.625	7.813
2	16:16:13	6.250	15.625	15.625	3.125	12.500	0.000	204525.540	115.625	10.938
3	16:17:21	9.375	7.813	12.500	3.125	10.938	1.563	204934.470	132.813	12.500
x		6.771	11.458	12.500	5.208	17.188	0.521	204583.130	121.355	10.417
σ		2.387	3.932	3.125	3.608	9.504	0.902	326.372	9.923	2.387
%RSD		35.251	34.317	25.000	69.282	55.298	173.205	0.160	8.177	22.913

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:15:05	0.000	0.000	9.375	1.563	35.938	28.125	3.125	6.250	357667.360
2	16:16:13	1.563	1.563	4.688	1.563	39.063	23.438	6.250	7.813	359695.470
3	16:17:21	1.563	1.563	12.500	4.688	67.188	20.313	4.688	3.125	351839.350
x		1.042	1.042	8.854	2.604	47.396	23.958	4.688	5.729	356400.730
σ		0.902	0.902	3.932	1.804	17.211	3.932	1.563	2.387	4078.346
%RSD		86.603	86.603	44.411	69.282	36.314	16.413	33.333	41.660	1.144

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:15:05	375678.720	3.125	20.313	6.250	14.063	17.188	292350.170	4.688
2	16:16:13	375694.760	10.938	28.125	3.125	17.188	31.250	290728.510	15.625
3	16:17:21	371422.710	6.250	32.813	7.813	7.813	34.375	289028.910	23.438
x		374265.400	6.771	27.083	5.729	13.021	27.604	290702.530	14.583
σ		2461.857	3.932	6.315	2.387	4.774	9.155	1660.778	9.418
%RSD		0.658	58.076	23.316	41.660	36.661	33.167	0.571	64.583

S1 (S) 06/04/2011 04:21:48 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:22:56	31292.047	71.354	120.313	335.941	313841.160	217637.470	30278.930	37043.277	11413.933
2	16:24:03	31443.942	91.667	123.438	331.254	310582.020	216761.800	30510.672	35963.962	11309.162
3	16:25:11	31104.137	81.771	95.313	365.630	316219.310	223570.220	30875.517	37464.687	11815.822
x		31280.042	81.597	113.021	344.275	313547.500	219323.160	30555.039	36823.976	11512.972
σ		170.220	10.157	15.415	18.642	2830.095	3704.026	300.758	774.024	267.456
%RSD		0.544	12.448	13.639	5.415	0.903	1.689	0.984	2.102	2.323

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:22:56	5347.876	1150.046	21042.048	72018.577	281996.700	476.570	8827.727	100823.290	282.815
2	16:24:03	5038.388	1268.806	21184.446	71798.725	276444.430	506.259	8496.276	99251.398	257.815
3	16:25:11	5107.163	1301.622	20733.785	73592.191	279773.940	525.010	8995.019	100282.000	242.190
x		5164.476	1240.158	20986.760	72469.831	279405.020	502.613	8773.007	100118.890	260.940
σ		162.509	79.745	230.361	978.189	2794.456	24.425	253.834	798.536	20.492
%RSD		3.147	6.430	1.098	1.350	1.000	4.860	2.893	0.798	7.853

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:22:56	3970.864	1836.056	273.440	15026.649	1265.681	244537.690	5046.204	981.284	217.189
2	16:24:03	3923.976	1762.609	232.814	15187.757	1315.686	247923.430	5143.113	960.970	234.377
3	16:25:11	4022.441	1854.808	273.440	15372.329	1353.189	245106.700	5294.731	982.846	239.065
x		3972.427	1817.824	259.898	15195.578	1311.519	245855.940	5161.349	975.033	230.210
σ		49.251	48.728	23.455	172.973	43.903	1812.961	125.263	12.204	11.518
%RSD		1.240	2.681	9.025	1.138	3.347	0.737	2.427	1.252	5.003

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:22:56	1021.912	473.445	471.883	111.980	34.375	40.104	263.544	59.375	7.292
2	16:24:03	1090.667	493.759	514.072	116.667	35.938	31.771	261.461	60.938	10.417
3	16:25:11	1023.474	506.259	484.383	106.771	40.625	42.708	284.378	66.146	11.979
x		1045.351	491.154	490.113	111.806	36.979	38.194	269.794	62.153	9.896
σ		39.252	16.561	21.670	4.950	3.253	5.713	12.673	3.545	2.387
%RSD		3.755	3.372	4.421	4.428	8.796	14.959	4.697	5.704	24.119

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:22:56	625.014	1053.164	1181.299	704.705	1784.486	1.563	207865.420	121.876	731.269
2	16:24:03	653.140	1112.543	1209.426	646.890	1825.117	0.000	208967.260	120.313	793.772
3	16:25:11	646.890	1148.484	1289.121	768.771	2031.394	0.000	211946.610	137.501	806.273
x		641.681	1104.730	1226.615	706.788	1880.333	0.521	209593.100	126.563	777.105
σ		14.769	48.138	55.928	60.967	132.391	0.902	2111.345	9.504	40.184
%RSD		2.302	4.357	4.560	8.626	7.041	173.205	1.007	7.510	5.171

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:22:56	12.500	12.500	721.893	151.563	2057.961	1082.853	859.401	1461.012	364145.150
2	16:24:03	10.938	10.938	776.584	170.314	2065.774	1160.985	901.591	1536.020	362871.160
3	16:25:11	15.625	15.625	682.829	176.564	2059.523	1173.486	984.409	1625.092	363919.190
x		13.021	13.021	727.102	166.147	2061.086	1139.108	915.134	1540.708	363645.170
σ		2.387	2.387	47.094	13.011	4.135	49.117	63.595	82.141	679.767
%RSD		18.330	18.330	6.477	7.831	0.201	4.312	6.949	5.331	0.187

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:22:56	377407.790	787.522	1984.513	575.012	606.263	1407.882	287986.300	7.813
2	16:24:03	377966.010	850.025	1915.753	632.827	660.953	1440.698	292141.270	34.375
3	16:25:11	375292.200	839.087	2092.341	637.514	715.643	1379.754	297345.440	40.625
x		376888.670	825.545	1997.536	615.117	660.953	1409.445	292491.000	27.604
σ		1410.472	33.380	89.011	34.812	54.690	30.502	4689.363	17.423
%RSD		0.374	4.043	4.456	5.659	8.274	2.164	1.603	63.116

S2 (S) 06/04/2011 04:29:39 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:30:47	29532.056	8996.582	1970.448	417.194	6982113.700	5035198.600	710415.740	839859.320	1198637.500
2	16:31:55	30136.441	9132.606	2118.907	382.818	7028520.900	5068763.200	713232.880	845377.180	1190771.900
3	16:33:03	29239.267	9022.119	2201.732	403.131	7080625.100	5067305.000	715508.190	844305.570	1207040.200
x		29635.921	9050.435	2097.029	401.047	7030419.900	5057088.900	713052.270	843180.690	1198816.600
σ		457.517	72.298	117.184	17.282	49283.153	18971.623	2551.025	2925.870	8135.627
%RSD		1.544	0.799	5.588	4.309	0.701	0.375	0.358	0.347	0.679

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:30:47	30452.736	50233.477	20378.587	72508.546	2665760.900	11895.576	193915.050	98156.372	6593.709
2	16:31:55	30008.046	51577.315	20295.657	73567.062	2625187.900	12216.158	197436.220	99108.222	6324.837
3	16:33:03	30235.087	51193.124	20380.152	75448.713	2652944.500	11729.814	197006.920	98179.970	6213.851
x		30231.956	51001.305	20351.465	73841.441	2647964.400	11947.183	196119.400	98481.521	6377.466
σ		222.361	692.150	48.338	1489.163	20739.877	247.245	1921.053	542.867	195.321
%RSD		0.736	1.357	0.238	2.017	0.783	2.069	0.980	0.551	3.063

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:30:47	89894.448	89301.686	11155.917	350977.920	258502.220	5996360.600	142883.640	111636.060	23397.269
2	16:31:55	92229.575	89889.731	11005.800	358734.240	269203.420	6025883.500	140523.760	108902.580	24135.997
3	16:33:03	89929.040	89117.730	10960.453	352753.680	257014.810	5972741.800	140180.600	109236.360	23660.202
x		90684.354	89436.382	11040.723	354155.280	261573.480	5998328.700	141196.000	109925.000	23731.156
σ		1338.312	403.242	102.305	4063.682	6649.438	26625.465	1471.576	1491.188	374.440
%RSD		1.476	0.451	0.927	1.147	2.542	0.444	1.042	1.357	1.578

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:30:47	116327.960	57865.395	40222.169	13439.131	921.905	908.362	3149.305	1291.204	11.979
2	16:31:55	116427.200	57079.430	38871.563	13439.652	943.781	932.843	3101.378	1354.752	13.542
3	16:33:03	115923.120	56735.878	39269.524	13422.970	945.344	956.282	3132.114	1254.222	8.854
x		116226.090	57226.901	39454.419	13433.918	937.010	932.496	3127.599	1300.059	11.458
σ		267.030	579.019	694.027	9.485	13.105	23.962	24.280	50.847	2.387
%RSD		0.230	1.012	1.759	0.071	1.399	2.570	0.776	3.911	20.830

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:30:47	16565.849	28760.171	30335.299	18601.165	45329.616	0.000	206009.130	1948.570	91765.664
2	16:31:55	16531.435	28284.222	29986.125	18181.875	45301.401	0.000	204433.620	1950.133	92644.748
3	16:33:03	15926.060	27621.991	30242.916	17865.852	45337.453	1.563	204733.170	1975.137	91896.187
x		16341.115	28222.128	30188.113	18216.297	45322.823	0.521	205058.640	1957.947	92102.200
σ		359.860	571.625	180.923	368.863	18.961	0.902	836.666	14.907	474.371
%RSD		2.202	2.025	0.599	2.025	0.042	173.205	0.408	0.761	0.515

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:30:47	1381.317	1381.317	84507.026	20758.822	51088.062	68469.942	56522.535	96968.614	368517.660
2	16:31:55	1361.002	1361.002	86278.505	21312.761	51955.243	70083.991	56988.443	96927.713	375338.710
3	16:33:03	1364.128	1364.128	86102.447	20409.882	50714.860	67593.910	55531.158	95898.929	370083.940
x		1368.816	1368.816	85629.326	20827.155	51252.722	68715.948	56347.378	96598.419	371313.440
σ		10.939	10.939	975.919	455.302	636.374	1263.137	744.264	606.121	3572.875
%RSD		0.799	0.799	1.140	2.186	1.242	1.838	1.321	0.627	0.962

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:30:47	383644.080	98190.983	247195.350	79120.057	74891.103	176486.600	295536.610	400492.440
2	16:31:55	391617.030	99415.030	247789.890	78342.351	75891.675	175727.320	301863.730	406811.020
3	16:33:03	388735.220	98881.660	244877.820	78940.945	76408.481	174544.200	296523.940	400911.780
x		387998.780	98829.225	246621.020	78801.118	75730.420	175586.040	297974.760	402738.410
σ		4037.171	613.706	1538.646	407.272	771.435	978.875	3403.935	3533.205
%RSD		1.041	0.621	0.624	0.517	1.019	0.557	1.142	0.877

S3 (S) 06/04/2011 04:37:30 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:38:38	29240.833	17318.303	4028.693	415.631	13688463.000	9880207.700	1379609.300	1587379.900	2286720.700
2	16:39:46	29004.414	17349.591	4011.501	425.006	13630627.000	9705888.100	1342654.100	1610540.000	2299928.000
3	16:40:54	28616.132	17496.124	4017.752	460.945	13275494.000	9618304.000	1360079.800	1643021.300	2296630.000
x		28953.793	17388.006	4019.315	433.861	13531528.000	9734799.900	1360781.100	1613647.100	2294426.200
σ		315.412	94.931	8.702	23.919	223609.710	133324.060	18487.569	27950.508	6873.910
%RSD		1.089	0.546	0.217	5.513	1.653	1.370	1.359	1.732	0.300

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:38:38	54340.656	97421.681	19302.094	67144.925	4940975.100	24909.666	375032.380	95755.787	12213.031
2	16:39:46	54630.822	99284.439	19280.189	68758.825	4962763.400	25110.863	370111.190	93869.895	12755.692
3	16:40:54	54105.390	97404.376	19686.993	67198.301	4915248.400	25038.142	375313.050	94201.756	12101.999
x		54358.956	98036.832	19423.092	67700.684	4939662.300	25019.557	373485.540	94609.146	12356.907
σ		263.193	1080.494	228.808	916.766	23784.685	101.878	2925.639	1006.788	349.791
%RSD		0.484	1.102	1.178	1.354	0.482	0.407	0.783	1.064	2.831

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:38:38	175335.050	173943.190	21281.465	677297.910	500115.960	11396751.000	261988.980	211491.500	44842.143
2	16:39:46	175151.570	173712.280	21247.039	695094.790	513443.660	11471298.000	264813.450	215026.500	45875.103
3	16:40:54	175849.120	171882.530	21027.965	669448.400	506656.090	11543183.000	269174.210	211348.790	45375.072
x		175445.240	173179.330	21185.489	680613.700	506738.570	11470411.000	265325.550	212622.260	45364.106
σ		361.598	1128.981	137.502	13140.782	6664.229	73220.290	3619.885	2083.353	516.567
%RSD		0.206	0.652	0.649	1.931	1.315	0.638	1.364	0.980	1.139

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:38:38	220247.320	108682.160	73345.616	25805.578	1792.300	1866.268	5774.083	2464.796	8.333
2	16:39:46	224882.770	112310.060	75029.325	25671.483	1704.789	1898.043	5896.529	2514.284	10.938
3	16:40:54	226089.090	111191.990	74641.364	25410.600	1848.557	1767.297	5795.446	2546.581	11.458
x		223739.730	110728.070	74338.768	25629.220	1781.882	1843.869	5822.020	2508.554	10.243
σ		3084.065	1857.910	881.699	200.852	72.448	68.190	65.405	41.193	1.674
%RSD		1.378	1.678	1.186	0.784	4.066	3.698	1.123	1.642	16.345

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:38:38	31176.169	53249.057	57168.849	34413.275	86506.440	1.563	190725.660	3520.746	174060.220
2	16:39:46	31558.256	52921.279	56180.565	34230.023	85594.723	6.250	194444.040	3602.017	176817.210
3	16:40:54	31332.761	53470.193	57074.724	35140.041	87488.958	3.125	194752.890	3526.998	171115.590
x		31355.729	53213.510	56808.046	34594.446	86530.040	3.646	193307.530	3549.920	173997.670
σ		192.076	276.178	545.449	481.301	947.338	2.387	2241.289	45.225	2851.322
%RSD		0.613	0.519	0.960	1.391	1.095	65.465	1.159	1.274	1.639

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:38:38	2651.809	2651.809	160110.990	39626.759	98600.036	130228.390	107340.820	185547.200	352393.380
2	16:39:46	2593.986	2593.986	162113.070	40013.773	97423.254	130296.190	106339.630	182122.300	349284.030
3	16:40:54	2600.237	2600.237	160736.710	38479.880	97942.411	132543.280	104760.840	181277.270	346607.510
x		2615.344	2615.344	160986.930	39373.470	97988.567	131022.620	106147.100	182982.260	349428.310
σ		31.734	31.734	1024.223	797.699	589.747	1317.368	1300.723	2261.130	2895.633
%RSD		1.213	1.213	0.636	2.026	0.602	1.005	1.225	1.236	0.829

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:38:38	369905.980	182823.350	467619.190	150816.920	145884.850	331505.360	276729.560	751753.850
2	16:39:46	369362.500	183570.340	468143.770	149179.550	143304.240	328386.110	280750.640	745308.650
3	16:40:54	363483.300	179927.560	456213.850	145591.250	142819.740	331361.460	277669.410	736608.750
x		367583.930	182107.080	463992.270	148529.240	144002.940	330417.640	278383.200	744557.080
σ		3561.627	1924.122	6741.414	2672.841	1647.686	1760.829	2103.422	7600.470
%RSD		0.969	1.057	1.453	1.800	1.144	0.533	0.756	1.021

S4 (S) 06/04/2011 04:45:23 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:46:30	28487.751	33914.167	7844.341	412.506	26447725.000	18715985.000	2688675.700	3183536.000	4550933.400
2	16:47:39	28443.914	34656.048	7911.565	456.257	26742075.000	18956081.000	2650719.400	3205071.200	4537372.400
3	16:48:47	29527.359	34320.865	7928.762	473.445	27151974.000	19204337.000	2696826.600	3226006.700	4576673.400
x		28819.675	34297.027	7894.889	447.403	26780591.000	18958801.000	2678740.500	3204871.300	4554993.100
σ		613.264	371.515	44.613	31.420	353700.580	244187.320	24606.884	21236.090	19962.582
%RSD		2.128	1.083	0.565	7.023	1.321	1.288	0.919	0.663	0.438

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:46:30	105482.610	193134.260	19826.248	70529.928	9988518.100	49307.855	734453.480	93508.159	24339.467
2	16:47:39	108394.960	198708.370	19660.394	71327.624	10080368.000	50660.482	749561.800	93970.553	24151.648
3	16:48:47	107950.080	199128.220	20660.241	71349.608	10150116.000	50352.626	749951.800	95252.438	24261.209
x		107275.890	196990.280	20048.961	71069.053	10073001.000	50106.988	744655.690	94243.717	24250.775
σ		1568.869	3346.002	535.840	467.026	81050.381	708.981	8837.525	903.655	94.343
%RSD		1.462	1.699	2.673	0.657	0.805	1.415	1.187	0.959	0.389

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:46:30	347958.520	342395.240	41387.992	1348917.200	983519.880	22603624.000	530096.760	420395.950	90635.043
2	16:47:39	350571.240	345608.750	41949.000	1351751.600	996918.060	22859516.000	535534.520	427053.160	90484.091
3	16:48:47	351402.230	353640.840	42604.059	1336067.900	984474.580	22891729.000	530505.920	425881.450	91328.501
x		349977.330	347214.940	41980.350	1345578.900	988304.170	22784956.000	532045.730	424443.520	90815.878
σ		1797.034	5792.300	608.639	8357.817	7475.103	157862.290	3028.296	3553.921	450.315
%RSD		0.513	1.668	1.450	0.621	0.756	0.693	0.569	0.837	0.496

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:46:30	440404.150	216723.730	143690.910	51056.700	3362.896	3579.615	11181.979	4767.983	10.938
2	16:47:39	443807.070	219379.430	148967.980	51018.543	3495.740	3667.137	11323.236	4889.899	9.896
3	16:48:47	453038.600	222465.680	149099.030	51803.652	3591.076	3655.155	11618.264	4931.580	7.292
x		445749.940	219522.950	147252.640	51292.965	3483.237	3633.969	11374.493	4863.154	9.375
σ		6537.459	2873.661	3085.248	442.680	114.603	47.452	222.613	85.015	1.878
%RSD		1.467	1.309	2.095	0.863	3.290	1.306	1.957	1.748	20.031

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:46:30	61800.575	106481.300	114307.050	67052.304	173631.620	0.000	192363.020	6850.079	338832.090
2	16:47:39	63023.086	106651.310	115688.420	69162.328	173557.280	4.688	193099.420	6987.646	338393.760
3	16:48:47	62078.338	105864.240	115272.580	68779.235	175388.820	0.000	188594.530	6721.894	344778.100
x		62300.666	106332.290	115089.350	68331.289	174192.580	1.563	191352.320	6853.206	340667.980
σ		640.863	414.156	708.676	1124.074	1036.649	2.706	2416.539	132.904	3566.203
%RSD		1.029	0.389	0.616	1.645	0.595	173.205	1.263	1.939	1.047

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:46:30	5027.447	5027.447	315519.720	76542.006	187546.490	255802.720	212636.430	361712.640	345474.310
2	16:47:39	5110.289	5110.289	320260.990	78224.520	190038.470	259030.410	213922.610	365888.870	341145.560
3	16:48:47	5194.694	5194.694	321214.870	77820.762	192464.380	256332.400	211711.920	368936.060	344352.390
x		5110.810	5110.810	318998.530	77529.096	190016.450	257055.170	212756.990	365512.520	343657.420
σ		83.625	83.625	3050.250	878.360	2459.018	1730.986	1110.267	3626.389	2246.496
%RSD		1.636	1.636	0.956	1.133	1.294	0.673	0.522	0.992	0.654

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:46:30	357760.270	356099.220	915963.400	288265.280	276673.810	641726.520	270309.960	1454778.200
2	16:47:39	359089.890	365940.160	916717.340	294857.160	279526.990	634482.210	270851.320	1495541.900
3	16:48:47	353861.830	361310.460	896818.200	290672.700	279605.060	647683.390	270553.570	1457682.700
x		356904.000	361116.610	909832.980	291265.050	278601.950	641297.370	270571.610	1469334.300
σ		2717.176	4923.330	11277.431	3335.621	1670.277	6611.044	271.131	22742.903
%RSD		0.761	1.363	1.240	1.145	0.600	1.031	0.100	1.548

S5 (S) 06/04/2011 04:53:15 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:54:23	28119.836	67364.183	15092.343	598.450	52669293.000	36812321.000	5297163.300	6283742.000	8960994.100
2	16:55:31	28559.770	66958.114	14687.234	501.571	52105070.000	37036030.000	5276759.600	6288595.900	8824680.600
3	16:56:39	29085.829	66255.370	14823.312	521.885	52113940.000	36832496.000	5096083.500	6184055.100	8782663.800
x		28588.478	66859.222	14867.629	540.635	52296101.000	36893615.000	5223335.500	6252131.000	8856112.800
σ		483.636	560.983	206.159	51.089	323223.840	123746.270	110674.640	59005.386	93227.761
%RSD		1.692	0.839	1.387	9.450	0.618	0.335	2.119	0.944	1.053

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:54:23	207909.650	392699.270	19671.347	73180.711	20007473.000	98293.310	1492543.500	92031.428	48954.046
2	16:55:31	203480.360	384119.090	19611.890	73720.978	19851720.000	97226.723	1470014.900	94102.668	47108.795
3	16:56:39	205700.430	381171.380	19605.632	73698.990	19978081.000	97166.121	1445835.000	93528.605	46980.248
x		205696.810	385996.580	19629.623	73533.559	19945758.000	97562.051	1469464.500	93220.900	47681.030
σ		2214.647	5988.885	36.269	305.774	82754.637	634.013	23359.136	1069.355	1104.337
%RSD		1.077	1.552	0.185	0.416	0.415	0.650	1.590	1.147	2.316

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:54:23	702925.260	680080.210	83023.364	2586555.900	1953588.200	44532649.000	1033854.700	850791.060	179630.100
2	16:55:31	690670.580	671427.160	80777.733	2546305.000	1934274.600	45081762.000	1031296.900	834446.140	176355.300
3	16:56:39	692789.910	663981.620	82080.439	2564686.500	1964138.300	44191951.000	1006914.100	828596.530	176907.380
x		695461.920	671829.660	81960.512	2565849.200	1950667.000	44602121.000	1024021.900	837944.580	177630.930
σ		6549.736	8056.841	1127.609	20150.608	15144.610	448955.030	14870.899	11503.419	1753.203
%RSD		0.942	1.199	1.376	0.785	0.776	1.007	1.452	1.373	0.987

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:54:23	865112.340	425075.150	288030.930	101899.630	6706.261	7087.695	22148.928	9576.125	8.333
2	16:55:31	848484.780	419302.000	280992.830	98951.411	6543.686	6973.056	21763.962	9490.651	11.458
3	16:56:39	847210.850	416073.700	277745.880	98771.003	6653.111	6909.483	22011.737	9309.282	7.292
x		853602.660	420150.280	282256.550	99874.015	6634.353	6990.078	21974.875	9458.686	9.028
σ		9988.010	4560.289	5257.692	1756.553	82.895	90.317	195.112	136.263	2.168
%RSD		1.170	1.085	1.863	1.759	1.249	1.292	0.888	1.441	24.019

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:54:23	123014.870	214707.690	228124.180	137731.070	350310.270	0.000	184249.310	13029.377	658932.260
2	16:55:31	123104.700	204081.760	222346.660	133437.490	340563.160	3.125	186691.650	13196.718	651687.590
3	16:56:39	122531.050	205818.920	218519.530	135823.880	337926.650	7.813	191476.230	13118.521	649662.470
x		122883.540	208202.790	222996.790	135664.150	342933.360	3.646	187472.400	13114.872	653427.440
σ		308.552	5699.977	4835.219	2151.246	6523.182	3.932	3676.176	83.730	4873.659
%RSD		0.251	2.738	2.168	1.586	1.902	107.855	1.961	0.638	0.746

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:54:23	10144.225	10144.225	619952.180	151933.340	381596.570	508361.990	415214.870	727766.130	327377.410
2	16:55:31	9947.212	9947.212	609895.370	146983.530	376167.910	501935.970	411194.820	695819.450	336819.710
3	16:56:39	9828.380	9828.380	605118.860	147971.770	374727.670	502291.900	413343.000	720135.860	338577.730
x		9973.272	9973.272	611655.470	148962.880	377497.380	504196.620	413250.900	714573.810	334258.290
σ		159.527	159.527	7571.677	2619.523	3622.305	3611.706	2011.608	16683.822	6023.492
%RSD		1.600	1.600	1.238	1.759	0.960	0.716	0.487	2.335	1.802

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:54:23	340849.560	707681.350	1780648.700	577787.100	551076.290	1261122.900	258596.090	3038937.400
2	16:55:31	349738.710	707231.760	1755299.200	560314.480	533147.630	1244019.500	266041.890	2985145.800
3	16:56:39	355316.020	710146.130	1773345.000	557321.050	539083.010	1217112.100	266875.980	2973132.000
x		348634.760	708353.080	1769764.300	565140.880	541102.310	1240751.500	263837.980	2999071.700
σ		7296.139	1569.014	13048.612	11053.749	9133.310	22186.658	4558.733	35043.352
%RSD		2.093	0.222	0.737	1.956	1.688	1.788	1.728	1.168

ICV 06/04/2011 05:01:08 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:02:16	28800.878	6824.546	8375.892	314.066	1107347.600	474068.810	66414.963	79036.785	236996.560
2	17:03:24	28148.016	6672.391	8402.470	370.317	1087633.200	459739.850	64625.534	77363.601	235438.300
3	17:04:32	28122.967	6659.364	8396.217	334.379	1069372.700	459296.230	64167.225	76945.729	237851.210
x		28357.287	6718.767	8391.526	339.587	1088117.900	464368.300	65069.240	77782.038	236762.020
σ		384.365	91.839	13.896	28.485	18992.076	8403.817	1187.745	1106.547	1223.437
%RSD		1.355	1.367	0.166	8.388	1.745	1.810	1.825	1.423	0.517

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:02:16	109409.560	1262.556	19677.605	72690.719	860283.420	1870.435	31583.312	96685.454	24884.154
2	17:03:24	105892.580	1312.560	19530.529	71129.766	857010.880	1884.499	30210.034	94621.705	24563.287
3	17:04:32	108107.510	1425.071	19658.830	68165.366	843075.060	1831.367	30615.583	92042.436	23725.936
x		107803.210	1333.396	19622.321	70661.950	853456.450	1862.101	30802.976	94449.865	24391.126
σ		1778.126	83.237	80.047	2298.661	9138.239	27.529	705.557	2326.274	597.994
%RSD		1.649	6.242	0.408	3.253	1.071	1.478	2.291	2.463	2.452

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:02:16	69798.222	69261.243	8535.362	61304.695	102939.860	970402.770	22486.433	87025.201	19126.858
2	17:03:24	68521.752	67377.266	8411.851	59010.690	98958.754	940062.020	22010.693	85292.926	18691.908
3	17:04:32	67300.342	67493.437	8188.284	58483.529	99029.554	953025.390	21705.540	83812.326	18535.454
x		68540.105	68043.982	8378.499	59599.638	100309.390	954496.720	22067.555	85376.818	18784.740
σ		1249.041	1055.778	175.926	1499.963	2278.331	15223.795	393.540	1608.080	306.436
%RSD		1.822	1.552	2.100	2.517	2.271	1.595	1.783	1.884	1.631

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:02:16	46285.799	22633.541	30769.038	21042.570	1431.322	1446.427	4766.941	2001.182	9.375
2	17:03:24	45868.833	22569.377	30660.993	20725.440	1384.442	1456.845	4633.043	1995.452	9.896
3	17:04:32	44467.538	21793.173	29433.415	20129.276	1423.508	1422.988	4523.112	1952.738	6.250
x		45540.723	22332.030	30287.815	20632.428	1413.091	1442.087	4641.032	1983.124	8.507
σ		952.502	467.765	741.902	463.697	25.116	17.341	122.111	26.471	1.972
%RSD		2.092	2.095	2.450	2.247	1.777	1.203	2.631	1.335	23.179

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:02:16	67394.534	112184.070	118442.100	72238.433	183375.680	0.000	201620.620	1465.700	71709.214
2	17:03:24	64645.938	109891.360	117432.250	71032.408	177256.980	3.125	197119.390	1529.769	69044.573
3	17:04:32	63344.817	108512.120	115778.200	70448.276	175132.580	0.000	197865.540	1532.895	70124.816
x		65128.430	110195.850	117217.520	71239.706	178588.410	1.042	198868.520	1509.455	70292.868
σ		2067.523	1854.816	1344.865	912.904	4279.798	1.804	2412.414	37.925	1340.246
%RSD		3.175	1.683	1.147	1.281	2.396	173.205	1.213	2.512	1.907

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:02:16	1109.418	1109.418	67297.202	15979.244	205574.820	103133.440	8619.787	15478.694	360483.720
2	17:03:24	1101.605	1101.605	64791.910	16132.541	202103.940	104660.110	8635.422	15101.728	349199.180
3	17:04:32	1095.355	1095.355	64432.477	15683.604	198556.280	102195.480	8694.833	15018.828	347651.170
x		1102.126	1102.126	65507.196	15931.797	202078.350	103329.680	8650.014	15199.750	352444.690
σ		7.046	7.046	1560.573	228.199	3509.342	1243.975	39.594	245.103	7004.895
%RSD		0.639	0.639	2.382	1.432	1.737	1.204	0.458	1.613	1.988

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:02:16	371081.190	154772.960	382617.080	128790.440	117922.200	272451.630	289453.000	525.010
2	17:03:24	365770.260	155652.750	392207.920	126220.780	112560.450	270843.350	287818.910	829.712
3	17:04:32	357902.840	151540.140	379382.510	124381.320	113247.100	268654.160	282452.440	690.642
x		364918.100	153988.620	384735.840	126464.180	114576.580	270649.710	286574.780	681.788
σ		6630.374	2165.593	6670.052	2214.616	2917.656	1906.128	3662.352	152.544
%RSD		1.817	1.406	1.734	1.751	2.546	0.704	1.278	22.374

ICB 06/04/2011 05:09:01 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:10:09	28378.158	16.146	167.188	282.815	29317.552	6607.778	906.279	1032.850	1875.123
2	17:11:17	28548.810	20.313	165.626	275.003	30502.843	7344.075	978.158	1268.806	2086.090
3	17:12:25	27892.829	17.708	143.751	340.629	28276.394	6893.851	973.471	1054.726	1945.445
x		28273.266	18.056	158.855	299.482	29365.596	6948.568	952.636	1118.794	1968.886
σ		340.338	2.105	13.104	35.848	1114.002	371.186	40.215	130.374	107.419
%RSD		1.204	11.658	8.249	11.970	3.794	5.342	4.221	11.653	5.456

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:10:09	3544.190	1292.246	19374.066	66532.696	63515.886	14.063	532.822	92778.424	23.438
2	17:11:17	3497.303	1284.433	19579.033	68086.868	63768.571	20.313	506.259	94442.399	26.563
3	17:12:25	3455.105	1329.749	20148.574	69154.478	62891.257	10.938	468.758	93094.533	25.000
x		3498.866	1302.143	19700.557	67924.681	63391.905	15.104	502.613	93438.452	25.000
σ		44.563	24.225	401.300	1318.394	451.607	4.774	32.188	883.693	1.563
%RSD		1.274	1.860	2.037	1.941	0.712	31.604	6.404	0.946	6.250

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:10:09	232.814	403.131	103.125	3398.842	456.257	43614.915	456.257	134.376	50.000
2	17:11:17	334.379	348.442	82.813	3598.891	457.820	44815.497	526.572	193.751	54.688
3	17:12:25	270.315	381.255	73.438	3611.394	420.319	44176.010	529.697	209.377	60.938
x		279.169	377.609	86.459	3536.376	444.799	44202.141	504.176	179.168	55.208
σ		51.358	27.526	15.176	119.272	21.215	600.718	41.528	39.570	5.487
%RSD		18.397	7.290	17.553	3.373	4.769	1.359	8.237	22.085	9.939

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:10:09	143.751	90.625	107.813	38.021	1.563	2.604	164.584	13.021	5.729
2	17:11:17	179.689	95.313	126.563	40.625	4.688	5.208	153.126	14.063	9.896
3	17:12:25	179.689	65.625	128.126	26.563	6.250	0.521	160.938	11.979	6.250
x		167.709	83.854	120.834	35.069	4.167	2.778	159.550	13.021	7.292
σ		20.749	15.960	11.303	7.481	2.387	2.349	5.854	1.042	2.270
%RSD		12.372	19.033	9.355	21.333	57.282	84.548	3.669	8.000	31.135

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:10:09	189.064	300.003	254.690	173.439	432.819	0.000	193930.880	118.750	176.564
2	17:11:17	157.813	278.128	250.002	146.876	403.131	0.000	193517.520	90.625	171.876
3	17:12:25	101.563	240.627	220.314	135.938	357.817	0.000	196945.140	137.501	101.563
x		149.480	272.919	241.669	152.084	397.922	0.000	194797.850	115.625	150.001
σ		44.342	30.029	18.641	19.285	37.771	0.000	1871.058	23.593	42.014
%RSD		29.664	11.003	7.714	12.681	9.492	0.000	0.961	20.405	28.009

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:10:09	0.000	0.000	143.751	23.438	421.881	484.383	68.750	112.500	340684.760
2	17:11:17	1.563	1.563	140.626	57.813	396.881	453.132	70.313	107.813	348574.830
3	17:12:25	3.125	3.125	134.376	29.688	398.443	357.817	85.938	98.438	342348.840
x		1.563	1.563	139.584	36.979	405.735	431.777	75.000	106.250	343869.480
σ		1.563	1.563	4.774	18.311	14.005	65.930	9.504	7.160	4159.036
%RSD		100.000	100.000	3.420	49.517	3.452	15.269	12.672	6.739	1.209

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:10:09	355769.280	275.003	718.768	134.376	154.688	326.566	278426.120	376.567
2	17:11:17	365166.030	292.190	696.892	203.126	156.251	392.193	275957.020	418.756
3	17:12:25	354119.670	231.252	501.571	165.626	146.876	345.317	279044.250	329.691
x		358351.660	266.148	639.077	167.709	152.605	354.692	277809.130	375.005
σ		5958.781	31.419	119.585	34.423	5.023	33.803	1633.479	44.553
%RSD		1.663	11.805	18.712	20.525	3.291	9.530	0.588	11.881

ICSA 06/04/2011 05:16:54 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:18:03	25322.423	23.958	90.625	2890.918	48671478.000	35125041.000	4977501.000	5937288.300	41381667.000
2	17:19:11	25986.113	25.521	90.625	2953.430	48398973.000	35211567.000	5037863.200	5999460.800	41766972.000
3	17:20:19	25729.399	18.750	68.750	3165.976	49471187.000	35863380.000	5048060.800	6011681.000	41836559.000
x		25679.312	22.743	83.334	3003.441	48847213.000	35399996.000	5021141.700	5982810.000	41661733.000
σ		334.668	3.545	12.630	144.188	557290.610	403627.300	38136.342	39893.657	245027.150
%RSD		1.303	15.588	15.155	4.801	1.141	1.140	0.760	0.667	0.588

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:18:03	13576.497	1699444.900	225743.050	188909.580	36193858.000	92693.726	1382072.800	86056.862	90724.672
2	17:19:11	14121.207	1721209.000	227133.580	192060.560	36157489.000	94174.828	1424886.600	87161.969	91625.708
3	17:20:19	13787.003	1706862.200	229129.140	196783.560	37097537.000	94928.712	1394121.200	88484.122	91462.165
x		13828.236	1709172.000	227335.260	192584.570	36482961.000	93932.422	1400360.200	87234.317	91270.848
σ		274.686	11064.354	1702.027	3963.056	532548.290	1137.040	22078.249	1215.246	480.019
%RSD		1.986	0.647	0.749	2.058	1.460	1.210	1.577	1.393	0.526

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:18:03	15264.401	12818.248	6703.135	4702864.300	8018.487	83560411.000	1924427.200	945.344	965.658
2	17:19:11	16520.484	13593.965	7140.847	4767626.400	8526.457	85208408.000	1955335.300	870.339	950.032
3	17:20:19	17052.359	12610.251	7340.948	4826033.000	8116.889	83899209.000	1940207.300	895.341	900.028
x		16279.081	13007.488	7061.643	4765507.900	8220.611	84222676.000	1939989.900	903.674	938.573
σ		918.099	518.442	326.200	61611.678	269.401	870313.840	15455.197	38.191	34.282
%RSD		5.640	3.986	4.619	1.293	3.277	1.033	0.797	4.226	3.653

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:18:03	3048.763	1620.404	1629.781	157.293	53.125	43.750	125.521	8.333	13.021
2	17:19:11	3366.022	1687.600	1651.658	155.209	43.750	44.792	117.188	9.375	8.854
3	17:20:19	3350.393	1782.924	1789.175	165.626	45.313	45.313	128.126	11.979	16.667
x		3255.059	1696.976	1690.204	159.376	47.396	44.618	123.612	9.896	12.847
σ		178.829	81.664	86.406	5.512	5.023	0.796	5.713	1.878	3.909
%RSD		5.494	4.812	5.112	3.459	10.597	1.783	4.622	18.977	30.428

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:18:03	227920.980	392805.250	421983.940	252038.250	641734.690	1.563	178019.500	110.938	31.250
2	17:19:11	229637.200	389561.980	414217.790	247888.450	627248.020	6.250	175056.660	79.688	25.000
3	17:20:19	228235.310	390122.270	417059.640	252803.150	639802.410	3.125	177296.530	106.250	43.750
x		228597.830	390829.830	417753.790	250909.950	636261.710	3.646	176790.900	98.959	33.333
σ		913.738	1733.545	3929.332	2644.494	7865.639	2.387	1544.783	16.853	9.547
%RSD		0.400	0.444	0.941	1.054	1.236	65.465	0.874	17.030	28.641

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:18:03	275.003	275.003	37.500	418.756	196.876	623.451	104.688	214.064	333130.010
2	17:19:11	320.316	320.316	31.250	371.880	179.689	671.891	139.063	203.126	330835.410
3	17:20:19	306.253	306.253	34.375	365.630	190.626	643.765	129.688	215.627	336170.310
x		300.524	300.524	34.375	385.422	189.064	646.369	124.480	210.939	333378.570
σ		23.194	23.194	3.125	29.037	8.700	24.325	17.770	6.811	2676.121
%RSD		7.718	7.718	9.091	7.534	4.601	3.763	14.275	3.229	0.803

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:18:03	346521.080	50.000	85.938	2522.098	2239.238	5279.100	253626.930	39.063
2	17:19:11	341590.380	40.625	65.625	2617.427	2101.717	5361.944	256022.220	42.188
3	17:20:19	345466.300	34.375	60.938	2670.562	2197.044	5355.691	258615.180	60.938
x		344525.920	41.667	70.834	2603.362	2179.333	5332.245	256088.110	47.396
σ		2596.381	7.864	13.289	75.225	70.450	46.131	2494.774	11.831
%RSD		0.754	18.875	18.761	2.890	3.233	0.865	0.974	24.962

ICSAB 06/04/2011 05:24:48 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:25:56	24967.111	1249.534	67.188	3015.943	48576457.000	34725928.000	4934270.200	5882147.000	40665419.000
2	17:27:04	25812.361	1242.242	57.813	3159.724	49305763.000	35115011.000	4948944.300	5922619.800	41165516.000
3	17:28:12	24962.415	1248.492	54.688	2979.998	49038869.000	35146493.000	4980788.000	5938026.900	40841671.000
x		25247.296	1246.756	59.896	3051.889	48973697.000	34995810.000	4954667.500	5914264.600	40890869.000
σ		489.367	3.944	6.505	95.102	368995.200	234254.930	23781.144	28861.713	253652.710
%RSD		1.938	0.316	10.861	3.116	0.753	0.669	0.480	0.488	0.620

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:25:56	13222.762	1655989.500	225579.560	190135.060	36493043.000	91081.724	1362847.700	85931.108	90624.036
2	17:27:04	14040.911	1729296.000	229929.340	193774.090	36207312.000	94305.727	1407603.600	86386.970	90276.534
3	17:28:12	14017.039	1689081.100	225898.610	188596.110	35557083.000	90752.052	1373737.500	82949.500	89930.612
x		13760.237	1691455.500	227135.840	190835.090	36085813.000	92046.501	1381396.300	85089.192	90277.061
σ		465.620	36710.868	2424.498	2659.023	479663.150	1963.479	23340.201	1866.994	346.712
%RSD		3.384	2.170	1.067	1.393	1.329	2.133	1.690	2.194	0.384

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:25:56	28741.383	25134.592	8594.772	4726072.800	27911.780	82585888.000	1911492.700	15788.407	4261.573
2	17:27:04	29984.560	25270.769	9070.066	4882033.900	28318.689	83262135.000	1927806.000	16234.219	4374.107
3	17:28:12	30675.086	25032.851	9231.106	4800068.500	28741.554	83021359.000	1912398.200	15764.944	4275.640
x		29800.343	25146.071	8965.315	4802725.000	28324.008	82956461.000	1917232.300	15929.190	4303.773
σ		979.925	119.374	330.847	78014.483	414.912	342762.800	9168.283	264.423	61.316
%RSD		3.288	0.475	3.690	1.624	1.465	0.413	0.478	1.660	1.425

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:25:56	11113.696	5613.603	4389.737	1952.217	150.001	179.168	535.948	195.835	12.500
2	17:27:04	10902.596	5325.993	4522.591	1933.985	168.751	196.356	543.240	182.814	15.625
3	17:28:12	11107.441	5543.263	4491.331	1991.285	182.814	180.730	555.740	177.605	9.375
x		11041.245	5494.286	4467.886	1959.162	167.188	185.418	544.976	185.418	12.500
σ		120.114	149.930	69.461	29.274	16.462	9.504	10.010	9.390	3.125
%RSD		1.088	2.729	1.555	1.494	9.846	5.126	1.837	5.064	25.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:25:56	223895.570	378760.070	418867.650	255906.110	631529.020	6.250	170334.470	350.004	11521.832
2	17:27:04	228205.150	385430.270	418159.870	252251.340	635012.840	3.125	171645.330	317.191	12005.042
3	17:28:12	223716.230	379793.210	411538.890	247786.710	624417.020	6.250	171850.900	378.130	12000.351
x		225272.310	381327.850	416188.800	251981.380	630319.630	5.208	171276.900	348.442	11842.408
σ		2541.490	3590.158	4042.463	4066.422	5400.443	1.804	822.618	30.500	277.637
%RSD		1.128	0.941	0.971	1.614	0.857	34.641	0.480	8.753	2.344

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:25:56	553.136	553.136	10908.851	3133.156	231.252	10467.896	1653.221	2972.184	326474.280
2	17:27:04	473.445	473.445	10996.418	3097.211	178.126	10139.535	1768.860	2887.792	332530.340
3	17:28:12	528.135	528.135	10769.683	3326.950	181.251	10089.499	1740.731	2872.164	326613.350
x		518.239	518.239	10891.651	3185.772	196.876	10232.310	1720.937	2910.713	328539.320
σ		40.756	40.756	114.342	123.577	29.811	205.552	60.307	53.806	3457.020
%RSD		7.864	7.864	1.050	3.879	15.142	2.009	3.504	1.849	1.052

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:25:56	344997.360	14022.504	34640.385	14235.214	12514.854	29874.955	259749.540	76.563
2	17:27:04	343489.800	13964.635	34764.123	14149.191	12516.418	29253.358	254498.480	48.438
3	17:28:12	341175.960	13737.852	34360.022	14268.059	12233.361	28642.748	253098.940	51.563
x		343221.040	13908.330	34588.177	14217.488	12421.544	29257.021	255782.320	58.854
σ		1924.823	150.447	207.048	61.385	162.974	616.112	3506.253	15.415
%RSD		0.561	1.082	0.599	0.432	1.312	2.106	1.371	26.192

ICSAX10 06/04/2011 05:32:43 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:33:51	26540.256	7.292	57.813	567.199	5228876.500	3819233.200	541262.180	611171.650	4367967.000
2	17:34:58	26510.513	7.813	62.500	525.010	5347726.800	3881600.600	541990.280	623157.530	4420778.600
3	17:36:07	26447.897	7.292	46.875	523.447	5173388.900	3801824.700	540017.640	612793.650	4404385.400
x		26499.555	7.465	55.729	538.552	5249997.400	3834219.500	541090.030	615707.610	4397710.300
σ		47.144	0.301	8.018	24.821	89067.365	41946.237	997.522	6502.589	27031.158
%RSD		0.178	4.028	14.388	4.609	1.697	1.094	0.184	1.056	0.615

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:33:51	5175.823	182954.710	41004.075	77384.024	3916750.800	9815.029	147727.070	87981.029	9396.840
2	17:34:58	5349.435	182831.270	41579.171	78521.455	3992698.200	10702.236	146225.810	89913.317	9584.464
3	17:36:07	5210.545	180981.370	40668.743	74534.558	3858270.600	10195.607	146099.530	89432.186	9404.657
x		5245.268	182255.780	41083.996	76813.346	3922573.200	10237.624	146684.140	89108.844	9461.987
σ		91.867	1105.396	460.446	2053.800	67402.691	445.093	905.414	1005.906	106.140
%RSD		1.751	0.607	1.121	2.674	1.718	4.348	0.617	1.129	1.122

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:33:51	4342.847	1617.279	1839.181	512300.570	931.280	8942766.000	208134.080	148.438	145.313
2	17:34:58	4011.501	1679.786	1646.970	515396.500	885.965	9170740.200	212159.600	173.439	132.813
3	17:36:07	3902.095	1553.209	1476.639	517681.620	912.529	9096161.200	211230.430	173.439	126.563
x		4085.481	1616.758	1654.263	515126.230	909.925	9069889.200	210508.040	165.105	134.896
σ		229.500	63.290	181.381	2700.686	22.770	116235.640	2107.748	14.434	9.547
%RSD		5.617	3.915	10.964	0.524	2.502	1.282	1.001	8.742	7.077

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:33:51	381.255	226.564	345.317	48.958	12.500	11.979	125.001	5.208	8.333
2	17:34:58	435.944	212.502	315.628	42.708	9.375	13.021	114.063	7.813	7.292
3	17:36:07	373.442	189.064	325.004	35.938	14.063	13.021	145.313	9.896	7.292
x		396.881	209.377	328.650	42.535	11.979	12.674	128.126	7.639	7.639
σ		34.055	18.945	15.176	6.512	2.387	0.601	15.858	2.349	0.601
%RSD		8.581	9.048	4.618	15.310	19.924	4.745	12.377	30.745	7.873

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:33:51	23088.956	40397.663	43788.884	25954.806	65446.446	0.000	182180.850	98.438	67.188
2	17:34:58	23577.252	40211.201	43215.266	25480.516	67327.030	0.000	182601.800	103.125	34.375
3	17:36:07	23248.590	39968.333	42834.434	26008.028	65250.239	0.000	178927.620	112.500	26.563
x		23304.933	40192.399	43279.528	25814.450	66007.905	0.000	181236.750	104.688	42.708
σ		248.977	215.282	480.459	290.417	1146.600	0.000	2010.816	7.160	21.557
%RSD		1.068	0.536	1.110	1.125	1.737	0.000	1.109	6.840	50.474

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:33:51	34.375	34.375	40.625	43.750	76.563	132.813	42.188	48.438	334222.270
2	17:34:58	35.938	35.938	54.688	46.875	70.313	126.563	25.000	48.438	332819.770
3	17:36:07	34.375	34.375	48.438	51.563	75.000	109.375	28.125	48.438	333280.330
x		34.896	34.896	47.917	47.396	73.959	122.917	31.771	48.438	333440.790
σ		0.902	0.902	7.046	3.932	3.253	12.137	9.155	0.000	714.882
%RSD		2.585	2.585	14.704	8.297	4.398	9.874	28.817	0.000	0.214

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:33:51	350002.870	90.625	209.377	329.691	292.190	629.701	268498.140	73.438
2	17:34:58	348570.030	67.188	212.502	318.754	251.565	668.766	269991.520	84.375
3	17:36:07	348486.790	57.813	154.688	315.628	268.753	626.576	265510.260	56.250
x		349019.900	71.875	192.189	321.358	270.836	641.681	267999.970	71.354
σ		852.297	16.901	32.514	7.384	20.393	23.508	2281.788	14.178
%RSD		0.244	23.515	16.918	2.298	7.530	3.663	0.851	19.870

ICSABX10 06/04/2011 05:40:37 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:41:45	25125.200	133.855	43.750	518.759	4892744.900	3521309.700	488047.560	558591.110	4047135.900
2	17:42:53	24962.415	140.105	34.375	510.947	4833464.900	3494772.700	485933.120	553748.570	3970636.400
3	17:44:01	24993.720	141.667	32.813	518.759	4941662.400	3579594.800	500685.560	574933.160	4115822.200
x		25027.112	138.542	36.979	516.155	4889290.700	3531892.400	491555.410	562424.280	4044531.500
σ		86.377	4.134	5.916	4.511	54181.383	43389.974	7977.304	11100.297	72627.908
%RSD		0.345	2.984	15.997	0.874	1.108	1.229	1.623	1.974	1.796

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:41:45	5303.862	168448.230	36786.365	51461.273	3489503.000	9623.528	131707.480	82567.609	8758.934
2	17:42:53	5039.103	165010.020	36499.693	53594.093	3455173.300	9713.218	130409.720	81013.437	8769.879
3	17:44:01	5616.364	167599.270	37394.190	56445.669	3672123.800	10025.922	133027.440	83545.143	9023.161
x		5319.776	167019.180	36893.416	53833.678	3538933.400	9787.556	131714.880	82375.396	8850.658
σ		288.960	1791.011	456.756	2500.821	116616.480	211.246	1308.876	1276.751	149.492
%RSD		5.432	1.072	1.238	4.645	3.295	2.158	0.994	1.550	1.689

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:41:45	4099.026	2733.074	1314.123	459826.960	2539.288	8228720.200	188455.210	1512.580	431.257
2	17:42:53	4002.123	2714.320	1264.118	461875.870	2684.627	8114337.800	190337.310	1637.594	429.694
3	17:44:01	4227.188	2631.492	1328.187	477542.620	2800.274	8465535.800	193565.640	1493.828	471.883
x		4109.445	2692.962	1302.143	466415.150	2674.730	8269531.300	190786.050	1548.001	444.278
σ		112.894	54.054	33.672	9690.971	130.774	179120.490	2584.602	78.154	23.919
%RSD		2.747	2.007	2.586	2.078	4.889	2.166	1.355	5.049	5.384

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:41:45	1209.426	573.449	501.571	213.543	18.750	23.958	168.751	25.000	11.979
2	17:42:53	1115.669	517.197	526.572	207.814	15.625	19.271	162.501	27.083	13.542
3	17:44:01	1164.110	604.700	523.447	196.356	12.500	16.667	171.876	28.125	7.813
x		1163.068	565.115	517.197	205.904	15.625	19.965	167.709	26.736	11.111
σ		46.887	44.343	13.622	8.752	3.125	3.695	4.774	1.591	2.962
%RSD		4.031	7.847	2.634	4.250	20.000	18.508	2.846	5.951	26.654

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:41:45	21394.133	35976.494	38227.641	23024.790	57757.146	0.000	160510.750	114.063	1150.046
2	17:42:53	20766.645	35437.649	37564.950	23001.315	57374.358	0.000	156447.300	142.188	1101.605
3	17:44:01	21232.955	36484.029	38906.032	23542.821	60099.591	0.000	163107.100	117.188	1103.168
x		21131.244	35966.057	38232.874	23189.642	58410.365	0.000	160021.720	124.480	1118.273
σ		325.874	523.268	670.556	306.087	1475.380	0.000	3356.726	15.415	27.528
%RSD		1.542	1.455	1.754	1.320	2.526	0.000	2.098	12.384	2.462

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:41:45	53.125	53.125	1090.667	284.378	57.813	1009.411	162.501	290.628	299491.130
2	17:42:53	42.188	42.188	1021.912	334.379	60.938	990.659	146.876	257.815	286500.620
3	17:44:01	64.063	64.063	1118.794	317.191	64.063	851.588	146.876	295.316	304836.810
x		53.125	53.125	1077.124	311.983	60.938	950.553	152.084	281.253	296942.850
σ		10.938	10.938	49.841	25.404	3.125	86.217	9.021	20.433	9429.965
%RSD		20.588	20.588	4.627	8.143	5.128	9.070	5.932	7.265	3.176

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:41:45	310222.780	1281.308	3312.884	1231.303	1104.730	2559.604	225657.340	25.000
2	17:42:53	296307.010	1257.868	3194.107	1304.747	1110.981	2514.284	229297.430	54.688
3	17:44:01	314855.300	1185.987	3181.604	1329.749	1132.857	2672.125	235408.120	59.375
x		307128.360	1241.721	3229.532	1288.600	1116.189	2582.004	230120.960	46.354
σ		9653.568	49.669	72.455	51.171	14.769	81.270	4927.279	18.641
%RSD		3.143	4.000	2.244	3.971	1.323	3.148	2.141	40.215

CCV 06/04/2011 05:48:30 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:49:38	27164.866	33044.946	7294.049	395.318	25363704.000	18231472.000	2616585.600	3102951.000	4346537.800
2	17:50:46	26903.434	32941.582	7392.537	445.319	25549646.000	18234865.000	2527376.700	3097273.100	4333677.700
3	17:51:54	27340.200	33671.928	7387.847	400.006	25397479.000	18573906.000	2587235.200	3121267.400	4390589.200
x		27136.166	33219.485	7358.145	413.548	25436943.000	18346747.000	2577065.800	3107163.900	4356934.900
σ		219.793	395.221	55.558	27.615	99053.858	196732.020	45465.570	12539.629	29846.370
%RSD		0.810	1.190	0.755	6.678	0.389	1.072	1.764	0.404	0.685

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:49:38	101133.620	180668.070	18563.616	56561.752	9285211.900	47111.655	698367.500	88580.026	22976.274
2	17:50:46	100784.230	180278.820	19026.725	58723.573	9609236.700	49067.873	704011.200	89515.518	22664.840
3	17:51:54	101153.150	183620.990	19028.289	60666.040	9627987.000	49164.836	701550.730	88278.166	22705.530
x		101023.670	181522.620	18872.877	58650.455	9507478.500	48448.121	701309.810	88791.237	22782.215
σ		207.591	1827.626	267.829	2053.121	192716.730	1158.429	2829.553	645.149	169.288
%RSD		0.205	1.007	1.419	3.501	2.027	2.391	0.403	0.727	0.743

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:49:38	326047.510	318867.840	39723.903	1264857.400	913874.870	21665651.000	507477.280	393913.260	84835.527
2	17:50:46	327355.040	323111.620	40182.997	1262896.300	930309.900	22300953.000	516869.290	400625.790	85670.173
3	17:51:54	330047.180	329644.280	40330.286	1284901.900	933257.180	21838363.000	511933.070	399414.450	85770.774
x		327816.570	323874.580	40079.062	1270885.200	925813.980	21934989.000	512093.220	397984.500	85425.491
σ		2039.385	5428.581	316.270	12178.390	10444.064	328488.280	4698.052	3577.442	513.394
%RSD		0.622	1.676	0.789	0.958	1.128	1.498	0.917	0.899	0.601

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:49:38	404745.770	200630.260	135535.220	47746.846	3381.650	3389.465	10643.547	4548.641	10.417
2	17:50:46	407817.230	203493.780	135244.990	47608.364	3298.818	3366.543	10780.108	4566.876	11.458
3	17:51:54	416007.760	206449.800	138900.120	47378.435	3262.873	3325.908	10709.221	4666.908	14.063
x		409523.580	203524.610	136560.110	47577.882	3314.447	3360.638	10710.958	4594.142	11.979
σ		5821.670	2909.892	2031.699	186.087	60.912	32.187	68.297	63.674	1.878
%RSD		1.422	1.430	1.488	0.391	1.838	0.958	0.638	1.386	15.676

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:49:38	57673.998	98563.850	103391.540	64062.067	161269.230	1.563	172141.880	6304.516	312036.650
2	17:50:46	57457.503	96962.321	104107.650	62974.435	159420.520	1.563	176624.220	6343.596	311611.900
3	17:51:54	57325.726	99625.866	106632.420	63373.067	161466.750	1.563	177329.750	6537.433	314005.660
x		57485.742	98384.013	104710.540	63469.856	160718.830	1.563	175365.280	6395.182	312551.400
σ		175.845	1340.848	1702.478	550.238	1128.698	0.000	2813.754	124.733	1277.201
%RSD		0.306	1.363	1.626	0.867	0.702	0.000	1.605	1.950	0.409

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:49:38	4880.521	4880.521	291359.930	70071.430	174039.660	234278.840	194092.430	328162.310	317581.860
2	17:50:46	4652.320	4652.320	291905.270	70586.456	175271.780	238286.500	190963.180	329729.020	315558.060
3	17:51:54	4783.613	4783.613	295520.660	72076.682	179084.250	240196.210	193102.590	331104.030	323388.080
x		4772.151	4772.151	292928.620	70911.522	176131.900	237587.190	192719.400	329665.120	318842.660
σ		114.532	114.532	2261.272	1041.398	2629.985	3020.033	1599.430	1471.901	4064.424
%RSD		2.400	2.400	0.772	1.469	1.493	1.271	0.830	0.446	1.275

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:49:38	334764.430	330656.330	821608.170	261628.680	247955.220	574964.060	247692.920	1346437.900
2	17:50:46	330544.410	334532.530	830711.050	262024.910	251554.840	584207.660	245435.710	1350877.600
3	17:51:54	337987.440	332274.490	817709.370	263122.940	257369.550	586990.180	253335.900	1345252.400
x		334432.090	332487.780	823342.860	262258.840	252293.200	582053.960	248821.510	1347522.600
σ		3732.624	1946.879	6672.169	774.110	4750.395	6295.689	4069.219	2965.313
%RSD		1.116	0.586	0.810	0.295	1.883	1.082	1.635	0.220

CCB 06/04/2011 05:56:21 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:57:29	27776.978	10.938	109.375	281.253	23436.396	4657.009	592.200	729.706	2047.022
2	17:58:37	27355.854	13.021	120.313	262.502	29140.628	8244.566	1045.351	1254.743	3541.064
3	17:59:45	28097.918	11.979	87.500	260.940	27346.461	8502.530	1206.301	1370.378	3944.294
x		27743.583	11.979	105.730	268.232	26641.162	7134.701	947.950	1118.276	3177.460
σ		372.157	1.042	16.707	11.304	2916.788	2149.618	318.426	341.442	999.533
%RSD		1.341	8.696	15.802	4.214	10.948	30.129	33.591	30.533	31.457

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:57:29	3086.271	1346.939	19245.768	62608.770	62061.076	17.188	396.881	89936.902	9.375
2	17:58:37	3101.899	1404.757	19525.835	63503.331	64449.742	31.250	498.446	89531.241	12.500
3	17:59:45	3151.910	1478.202	19438.216	64127.987	63734.042	40.625	539.073	89109.868	14.063
x		3113.360	1409.966	19403.273	63413.362	63414.953	29.688	478.133	89526.004	11.979
σ		34.288	65.786	143.266	763.594	1225.886	11.797	73.240	413.542	2.387
%RSD		1.101	4.666	0.738	1.204	1.933	39.736	15.318	0.462	19.924

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:57:29	1142.233	362.505	395.318	3222.238	225.002	39449.707	478.133	48.438	70.313
2	17:58:37	1087.541	326.566	378.130	3589.513	376.567	43403.335	585.950	128.126	70.313
3	17:59:45	1125.044	393.755	368.755	3494.177	435.944	45813.970	590.637	100.000	71.875
x		1118.273	360.942	380.734	3435.310	345.838	42889.004	551.573	92.188	70.834
σ		27.968	33.622	13.472	190.583	108.777	3213.154	63.644	40.414	0.902
%RSD		2.501	9.315	3.538	5.548	31.453	7.492	11.539	43.839	1.274

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:57:29	90.625	39.063	100.000	17.188	4.688	5.208	156.251	7.292	8.854
2	17:58:37	154.688	56.250	117.188	33.333	7.813	5.208	141.147	11.458	8.333
3	17:59:45	135.938	70.313	114.063	23.438	1.563	5.208	147.397	14.063	8.854
x		127.084	55.208	110.417	24.653	4.688	5.208	148.265	10.938	8.681
σ		32.937	15.651	9.155	8.141	3.125	0.000	7.589	3.415	0.301
%RSD		25.917	28.349	8.292	33.024	66.667	0.000	5.119	31.226	3.464

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:57:29	110.938	234.377	221.877	135.938	337.504	0.000	181584.260	114.063	60.938
2	17:58:37	114.063	154.688	190.626	115.625	285.940	1.563	181712.440	107.813	115.625
3	17:59:45	100.000	132.813	176.564	90.625	260.940	0.000	185504.460	98.438	120.313
x		108.334	173.959	196.356	114.063	294.795	0.521	182933.720	106.771	98.959
σ		7.384	53.454	23.193	22.697	39.042	0.902	2227.248	7.864	33.011
%RSD		6.816	30.728	11.812	19.898	13.244	173.205	1.218	7.366	33.358

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:57:29	0.000	0.000	75.000	18.750	237.502	406.256	42.188	46.875	321599.950
2	17:58:37	1.563	1.563	123.438	32.813	246.877	318.754	43.750	123.438	325104.510
3	17:59:45	3.125	3.125	79.688	23.438	204.689	273.440	56.250	115.625	324757.690
x		1.563	1.563	92.709	25.000	229.689	332.816	47.396	95.313	323820.720
σ		1.563	1.563	26.715	7.160	22.153	67.515	7.708	42.130	1931.043
%RSD		100.000	100.000	28.817	28.641	9.645	20.286	16.262	44.202	0.596

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:57:29	339849.590	107.813	235.939	50.000	45.313	132.813	261773.490	254.690
2	17:58:37	338958.480	129.688	378.130	100.000	73.438	185.939	263687.900	439.069
3	17:59:45	342264.030	115.625	351.567	92.188	89.063	179.689	266045.070	370.317
x		340357.370	117.709	321.879	80.729	69.271	166.147	263835.490	354.692
σ		1710.276	11.085	75.601	26.898	22.171	29.036	2139.612	93.178
%RSD		0.502	9.418	23.488	33.318	32.006	17.476	0.811	26.270

zzzzzz 06/04/2011 06:04:13 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:05:21	28364.068	10.417	43.750	307.816	29095.223	8407.161	1190.675	1403.194	4149.040
2	18:06:29	27847.428	11.979	73.438	335.941	26868.994	7634.852	1053.164	1207.864	3884.903
3	18:07:37	28721.030	7.813	64.063	323.441	23483.348	6059.097	837.525	970.345	3428.536
x		28310.842	10.069	60.417	322.399	26482.522	7367.037	1027.121	1193.801	3820.827
σ		439.226	2.105	15.176	14.092	2825.829	1196.722	178.010	216.767	364.501
%RSD		1.551	20.904	25.119	4.371	10.671	16.244	17.331	18.158	9.540

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:05:21	3201.921	1486.015	19834.072	67370.986	65058.743	25.000	529.697	90935.380	21.875
2	18:06:29	3392.590	1346.939	19748.015	69769.960	63613.193	21.875	559.386	91001.424	14.063
3	18:07:37	3219.113	1373.504	19428.828	70109.114	61070.884	20.313	468.758	93456.258	12.500
x		3271.208	1402.152	19670.305	69083.353	63247.607	22.396	519.280	91797.687	16.146
σ		105.471	73.832	213.506	1492.618	2018.909	2.387	46.203	1436.744	5.023
%RSD		3.224	5.266	1.085	2.161	3.192	10.657	8.898	1.565	31.109

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:05:21	1050.039	351.567	378.130	3547.315	376.567	45804.564	609.388	115.625	43.750
2	18:06:29	1015.661	353.129	417.194	3439.477	292.190	44550.608	517.197	87.500	32.813
3	18:07:37	915.654	328.129	303.128	3359.770	293.753	43476.996	539.073	70.313	26.563
x		993.785	344.275	366.151	3448.854	320.837	44610.723	555.219	91.146	34.375
σ		69.812	14.005	57.969	94.124	48.270	1164.948	48.170	22.875	8.700
%RSD		7.025	4.068	15.832	2.729	15.045	2.611	8.676	25.097	25.308

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:05:21	115.625	51.563	131.251	17.188	3.125	8.333	135.938	11.979	8.333
2	18:06:29	132.813	67.188	107.813	21.875	6.250	2.604	140.626	8.854	7.292
3	18:07:37	110.938	40.625	118.750	17.188	7.813	4.688	140.105	9.896	9.375
x		119.792	53.125	119.271	18.750	5.729	5.208	138.890	10.243	8.333
σ		11.517	13.350	11.728	2.706	2.387	2.900	2.569	1.591	1.042
%RSD		9.615	25.129	9.833	14.434	41.660	55.678	1.850	15.534	12.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:05:21	67.188	104.688	112.500	56.250	160.938	0.000	188585.030	104.688	87.500
2	18:06:29	54.688	101.563	98.438	59.375	146.876	0.000	193603.050	125.001	57.813
3	18:07:37	45.313	76.563	89.063	45.313	131.251	0.000	192489.710	117.188	28.125
x		55.729	94.271	100.000	53.646	146.355	0.000	191559.260	115.625	57.813
σ		10.975	15.415	11.797	7.384	14.851	0.000	2635.229	10.246	29.688
%RSD		19.693	16.352	11.797	13.765	10.147	0.000	1.376	8.861	51.351

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:05:21	1.563	1.563	76.563	21.875	117.188	143.751	51.563	103.125	342148.820
2	18:06:29	0.000	0.000	59.375	18.750	64.063	146.876	62.500	90.625	339174.450
3	18:07:37	3.125	3.125	34.375	14.063	103.125	109.375	26.563	71.875	345986.480
x		1.563	1.563	56.771	18.229	94.792	133.334	46.875	88.542	342436.580
σ		1.563	1.563	21.214	3.932	27.526	20.807	18.422	15.729	3415.119
%RSD		100.000	100.000	37.368	21.571	29.038	15.606	39.299	17.764	0.997

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:05:21	355013.320	145.313	325.004	95.313	76.563	201.564	271174.550	329.691
2	18:06:29	354417.550	110.938	281.253	70.313	65.625	176.564	277583.390	321.879
3	18:07:37	365000.960	82.813	175.001	65.625	65.625	134.376	284270.800	282.815
x		358143.940	113.021	260.419	77.084	69.271	170.834	277676.240	311.462
σ		5945.818	31.302	77.141	15.960	6.315	33.959	6548.617	25.114
%RSD		1.660	27.696	29.622	20.705	9.116	19.878	2.358	8.063

PB55585BL PBW 06/04/2011 06:12:06 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:13:14	28052.516	3.125	45.313	300.003	17717.230	1567.274	209.377	287.503	914.092
2	18:14:22	27694.005	3.125	56.250	310.941	18995.433	2092.341	287.503	293.753	1167.235
3	18:15:30	28512.801	5.208	35.938	275.003	18644.972	2186.105	245.315	289.065	1145.358
x		28086.441	3.819	45.833	295.316	18452.545	1948.573	247.398	290.107	1075.562
σ		410.451	1.203	10.166	18.422	660.471	333.526	39.105	3.253	140.264
%RSD		1.461	31.492	22.181	6.238	3.579	17.116	15.806	1.121	13.041

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:13:14	3097.211	1284.433	19108.083	70561.332	57444.953	12.500	254.690	94310.281	1.563
2	18:14:22	2984.687	1339.125	19298.964	71999.733	58350.173	12.500	292.190	90831.598	10.938
3	18:15:30	3040.949	1207.864	19521.141	73686.425	58135.237	10.938	321.879	92930.973	10.938
x		3040.949	1277.141	19309.396	72082.497	57976.788	11.979	289.586	92690.951	7.813
σ		56.262	65.934	206.726	1564.190	472.954	0.902	33.670	1751.718	5.413
%RSD		1.850	5.163	1.071	2.170	0.816	7.531	11.627	1.890	69.282

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:13:14	854.713	253.127	354.692	3095.648	98.438	35417.287	360.942	12.500	20.313
2	18:14:22	865.651	279.690	268.753	3176.916	153.126	36357.143	334.379	15.625	25.000
3	18:15:30	814.086	296.878	285.940	2987.812	151.563	36889.756	334.379	15.625	7.813
x		844.817	276.565	303.128	3086.792	134.376	36221.395	343.233	14.583	17.708
σ		27.170	22.042	45.475	94.862	31.133	745.562	15.336	1.804	8.885
%RSD		3.216	7.970	15.002	3.073	23.169	2.058	4.468	12.372	50.173

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:13:14	29.688	10.938	81.250	13.021	4.688	4.688	151.563	7.813	2.604
2	18:14:22	37.500	7.813	75.000	16.146	3.125	5.729	132.813	4.688	6.771
3	18:15:30	28.125	12.500	89.063	10.938	1.563	5.208	131.771	11.979	11.979
x		31.771	10.417	81.771	13.368	3.125	5.208	138.716	8.160	7.118
σ		5.023	2.387	7.046	2.621	1.563	0.521	11.138	3.658	4.697
%RSD		15.809	22.913	8.616	19.610	50.000	10.000	8.030	44.833	65.989

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:13:14	35.938	29.688	48.438	32.813	54.688	0.000	192546.720	98.438	14.063
2	18:14:22	29.688	34.375	29.688	18.750	59.375	0.000	187329.610	135.938	14.063
3	18:15:30	26.563	29.688	26.563	23.438	53.125	0.000	195655.730	115.625	6.250
x		30.729	31.250	34.896	25.000	55.729	0.000	191844.020	116.667	11.458
σ		4.774	2.706	11.831	7.160	3.253	0.000	4207.305	18.772	4.511
%RSD		15.534	8.660	33.904	28.641	5.836	0.000	2.193	16.090	39.365

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:13:14	0.000	0.000	10.938	1.563	51.563	34.375	6.250	9.375	350401.530
2	18:14:22	0.000	0.000	14.063	3.125	35.938	40.625	7.813	12.500	344240.360
3	18:15:30	0.000	0.000	15.625	0.000	59.375	34.375	10.938	15.625	352928.220
x		0.000	0.000	13.542	1.563	48.958	36.458	8.333	12.500	349190.040
σ		0.000	0.000	2.387	1.563	11.934	3.608	2.387	3.125	4468.839
%RSD		0.000	0.000	17.625	100.000	24.375	9.897	28.641	25.000	1.280

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:13:14	360722.440	14.063	45.313	21.875	10.938	29.688	275872.600	20.313
2	18:14:22	364012.140	21.875	90.625	26.563	23.438	37.500	282050.880	45.313
3	18:15:30	372081.710	17.188	46.875	10.938	17.188	46.875	286556.410	46.875
x		365605.430	17.708	60.938	19.792	17.188	38.021	281493.300	37.500
σ		5844.844	3.932	25.722	8.018	6.250	8.606	5363.685	14.905
%RSD		1.599	22.205	42.211	40.513	36.364	22.634	1.905	39.748

PB55605BL PBW 06/04/2011 06:19:59 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:21:07	28332.756	5.208	35.938	281.253	18457.228	1662.597	187.501	295.316	967.220
2	18:22:15	28652.142	1.563	29.688	290.628	18695.037	1734.480	282.815	289.065	1034.412
3	18:23:23	27509.274	3.125	35.938	254.690	18011.347	1617.279	181.251	256.252	1025.037
x		28164.724	3.299	33.854	275.524	18387.871	1671.452	217.189	280.211	1008.890
σ		589.672	1.829	3.608	18.642	347.082	59.100	56.920	20.983	36.390
%RSD		2.094	55.451	10.659	6.766	1.888	3.536	26.207	7.488	3.607

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:21:07	2850.284	1260.993	18707.554	73460.265	56922.556	4.688	290.628	91875.743	6.250
2	18:22:15	2897.169	1245.367	18752.925	67644.147	55907.622	10.938	328.129	96362.974	3.125
3	18:23:23	2787.772	1193.800	18075.491	59577.097	55335.087	6.250	262.502	88339.481	4.688
x		2845.075	1233.387	18511.990	66893.836	56055.088	7.292	293.753	92192.733	4.688
σ		54.884	35.162	378.700	6971.931	803.943	3.253	32.925	4021.128	1.563
%RSD		1.929	2.851	2.046	10.422	1.434	44.607	11.208	4.362	33.333

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:21:07	771.896	282.815	210.939	3037.823	125.001	35727.432	285.940	9.375	17.188
2	18:22:15	654.703	278.128	237.502	3001.878	131.251	35959.263	339.067	12.500	12.500
3	18:23:23	667.203	285.940	239.065	2892.480	121.876	34624.722	323.441	6.250	4.688
x		697.934	282.294	229.169	2977.394	126.042	35437.139	316.149	9.375	11.458
σ		64.357	3.932	15.806	75.702	4.774	713.058	27.303	3.125	6.315
%RSD		9.221	1.393	6.897	2.543	3.787	2.012	8.636	33.333	55.111

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:21:07	43.750	15.625	71.875	9.375	1.563	2.083	128.646	8.333	10.417
2	18:22:15	26.563	21.875	64.063	5.208	1.563	6.250	141.147	10.417	5.208
3	18:23:23	26.563	15.625	70.313	8.854	6.250	3.125	151.042	7.813	11.979
x		32.292	17.708	68.750	7.813	3.125	3.819	140.278	8.854	9.201
σ		9.923	3.608	4.134	2.270	2.706	2.168	11.223	1.378	3.545
%RSD		30.730	20.377	6.013	29.059	86.603	56.773	8.001	15.563	38.529

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:21:07	23.438	32.813	43.750	20.313	51.563	0.000	190765.250	110.938	12.500
2	18:22:15	21.875	25.000	42.188	21.875	39.063	0.000	189316.480	92.188	14.063
3	18:23:23	21.875	21.875	28.125	10.938	26.563	0.000	181248.790	93.750	6.250
x		22.396	26.563	38.021	17.708	39.063	0.000	187110.170	98.959	10.938
σ		0.902	5.634	8.606	5.916	12.500	0.000	5127.533	10.404	4.134
%RSD		4.028	21.209	22.634	33.405	32.000	0.000	2.740	10.513	37.796

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:21:07	3.125	3.125	9.375	0.000	39.063	23.438	0.000	7.813	357254.090
2	18:22:15	0.000	0.000	7.813	0.000	51.563	20.313	1.563	12.500	362355.180
3	18:23:23	0.000	0.000	7.813	1.563	34.375	26.563	4.688	6.250	345725.590
x		1.042	1.042	8.333	0.521	41.667	23.438	2.083	8.854	355111.620
σ		1.804	1.804	0.902	0.902	8.885	3.125	2.387	3.253	8519.299
%RSD		173.205	173.205	10.825	173.205	21.323	13.333	114.564	36.735	2.399

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:21:07	379684.120	23.438	46.875	12.500	17.188	17.188	293139.530	17.188
2	18:22:15	369349.670	14.063	43.750	15.625	9.375	31.250	282567.180	34.375
3	18:23:23	351373.400	10.938	29.688	12.500	9.375	21.875	276331.340	12.500
x		366802.400	16.146	40.104	13.542	11.979	23.438	284012.680	21.354
σ		14326.219	6.505	9.155	1.804	4.511	7.160	8496.820	11.517
%RSD		3.906	40.290	22.829	13.323	37.653	30.551	2.992	53.935

PB55585BS LCSW 06/04/2011 06:43:38 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:44:46	28249.779	125.521	181.251	257.815	515906.610	378365.440	53023.219	63079.584	18199.085
2	18:45:54	27953.885	144.792	175.001	284.378	526593.960	381795.540	52742.495	63559.831	18532.325
3	18:47:02	28304.575	139.063	167.188	321.879	534968.530	383380.910	53925.023	64137.404	19169.102
x		28169.413	136.459	174.480	288.024	525823.030	381180.630	53230.246	63592.273	18633.504
σ		188.653	9.896	7.046	32.187	9554.315	2563.651	617.849	529.655	492.860
%RSD		0.670	7.252	4.038	11.175	1.817	0.673	1.161	0.833	2.645

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:44:46	4982.119	1253.180	18630.891	53835.624	421060.410	859.401	14585.567	87858.403	414.069
2	18:45:54	5102.474	1262.556	18939.108	56106.838	431542.920	945.344	14829.568	88554.871	404.693
3	18:47:02	5174.374	1293.809	19061.145	57016.680	436042.110	904.716	14881.184	89127.163	467.195
x		5086.322	1269.848	18877.048	55653.047	429548.480	903.154	14765.440	88513.479	428.652
σ		97.140	21.273	221.739	1638.360	7687.405	42.993	157.898	635.392	33.707
%RSD		1.910	1.675	1.175	2.944	1.790	4.760	1.069	0.718	7.863

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:44:46	6962.634	2990.938	554.698	23635.161	1992.326	379862.200	8490.022	1717.291	403.131
2	18:45:54	7075.189	2914.360	531.260	23818.277	2106.405	385067.560	8751.117	1701.664	381.255
3	18:47:02	7261.220	2976.873	500.009	23858.970	2014.205	384757.820	8651.056	1628.218	395.318
x		7099.681	2960.724	528.656	23770.802	2037.645	383229.190	8630.732	1682.391	393.235
σ		150.792	40.763	27.438	119.218	60.544	2920.012	131.729	47.561	11.086
%RSD		2.124	1.377	5.190	0.502	2.971	0.762	1.526	2.827	2.819

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:44:46	1786.049	778.146	671.891	194.793	56.250	69.271	375.005	101.042	6.771
2	18:45:54	1720.416	850.025	681.266	200.001	70.313	63.021	332.296	98.959	9.896
3	18:47:02	1721.979	867.214	765.646	199.481	65.625	63.021	338.546	111.980	10.417
x		1742.815	831.795	706.268	198.092	64.063	65.104	348.615	103.993	9.028
σ		37.450	47.250	51.636	2.869	7.160	3.608	23.067	6.994	1.972
%RSD		2.149	5.680	7.311	1.448	11.177	5.543	6.617	6.726	21.842

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:44:46	1092.229	1764.171	2031.394	1285.995	3123.779	0.000	180057.300	154.688	1273.494
2	18:45:54	1210.989	1904.815	2118.907	1268.806	3209.736	0.000	172970.540	151.563	1323.499
3	18:47:02	1139.108	1851.683	2193.919	1285.995	3242.555	0.000	179546.240	125.001	1296.934
x		1147.442	1840.223	2114.740	1280.266	3192.023	0.000	177524.700	143.751	1297.976
σ		59.817	71.018	81.342	9.924	61.337	0.000	3952.281	16.313	25.019
%RSD		5.213	3.859	3.846	0.775	1.922	0.000	2.226	11.348	1.928

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:44:46	28.125	28.125	1248.492	306.253	3509.806	1937.631	1606.340	2609.613	314686.010
2	18:45:54	21.875	21.875	1229.740	323.441	3387.902	1904.815	1593.839	2723.697	324404.490
3	18:47:02	21.875	21.875	1259.431	278.128	3692.665	1995.452	1596.964	2556.479	323018.930
x		23.958	23.958	1245.888	302.607	3530.124	1945.966	1599.048	2629.930	320703.140
σ		3.608	3.608	15.015	22.876	153.394	45.890	6.506	85.440	5256.839
%RSD		15.061	15.061	1.205	7.560	4.345	2.358	0.407	3.249	1.639

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:44:46	329003.190	1437.572	3273.813	1143.796	1026.599	2368.946	249710.400	14.063
2	18:45:54	334215.870	1390.693	3236.304	1104.730	1040.663	2300.185	247556.200	21.875
3	18:47:02	348129.800	1340.688	3469.171	1021.912	1010.973	2581.483	260086.850	39.063
x		337116.290	1389.651	3326.429	1090.146	1026.079	2416.872	252451.150	25.000
σ		9887.676	48.451	125.033	62.237	14.852	146.645	6699.854	12.790
%RSD		2.933	3.487	3.759	5.709	1.447	6.068	2.654	51.158

PB55605BS LCSW 06/04/2011 06:51:31 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:52:39	28551.941	150.001	150.001	282.815	547567.020	397277.970	55085.688	66248.568	19178.490
2	18:53:47	29027.899	130.209	182.814	303.128	544869.900	398873.070	55164.115	65973.863	18727.893
3	18:54:55	28943.353	138.542	164.063	303.128	556536.650	403651.390	56558.614	67432.211	19449.168
x		28841.065	139.584	165.626	296.357	549657.860	399934.140	55602.806	66551.547	19118.517
σ		253.931	9.937	16.462	11.728	6107.946	3316.550	828.683	774.947	364.358
%RSD		0.880	7.119	9.939	3.957	1.111	0.829	1.490	1.164	1.906

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:52:39	5302.546	1315.686	19336.515	61127.375	448617.950	937.531	15486.515	92493.775	425.006
2	18:53:47	5100.911	1300.059	19350.597	64190.768	446894.880	928.155	14282.136	93361.894	445.319
3	18:54:55	5107.163	1340.688	19536.787	66570.371	452972.490	942.219	15666.398	92434.015	440.632
x		5170.207	1318.811	19407.966	63962.838	449495.110	935.968	15145.016	92763.228	436.986
σ		114.652	20.494	111.784	2728.647	3132.315	7.161	752.670	519.321	10.636
%RSD		2.218	1.554	0.576	4.266	0.697	0.765	4.970	0.560	2.434

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:52:39	7466.013	2989.375	521.885	24544.505	2107.968	405714.870	9170.130	1603.215	359.380
2	18:53:47	7064.246	3023.758	471.883	24397.378	2029.832	390729.150	8719.848	1621.967	401.568
3	18:54:55	7206.505	3117.528	537.510	24499.114	2154.850	405240.760	8937.170	1740.731	360.942
x		7245.588	3043.553	510.426	24480.332	2097.550	400561.590	8942.382	1655.304	373.963
σ		203.715	66.330	34.281	75.340	63.157	8518.445	225.186	74.573	23.919
%RSD		2.812	2.179	6.716	0.308	3.011	2.127	2.518	4.505	6.396

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:52:39	1840.744	900.028	709.393	202.085	85.938	71.354	377.088	115.625	10.938
2	18:53:47	1743.856	892.215	714.080	219.793	62.500	86.459	371.359	100.000	10.938
3	18:54:55	1775.110	979.721	750.020	198.960	75.000	72.917	368.234	105.209	8.854
x		1786.570	923.988	724.498	206.946	74.479	76.910	372.227	106.945	10.243
σ		49.450	48.424	22.227	11.235	11.727	8.306	4.491	7.956	1.203
%RSD		2.768	5.241	3.068	5.429	15.746	10.800	1.206	7.439	11.743

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:52:39	1153.172	2082.964	2262.679	1329.749	3350.393	1.563	188706.930	146.876	1304.747
2	18:53:47	1217.239	2126.721	2025.144	1268.806	3233.178	0.000	193104.170	128.126	1406.319
3	18:54:55	1229.740	2093.903	2192.356	1476.639	3325.387	0.000	192963.230	142.188	1325.061
x		1200.050	2101.196	2160.060	1358.398	3302.986	0.521	191591.440	139.063	1345.376
σ		41.077	22.772	122.017	106.837	61.735	0.902	2499.054	9.758	53.747
%RSD		3.423	1.084	5.649	7.865	1.869	173.205	1.304	7.017	3.995

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:52:39	23.438	23.438	1248.492	310.941	3803.631	2017.330	1606.340	2778.395	334718.050
2	18:53:47	25.000	25.000	1204.738	289.065	3539.501	1987.638	1539.145	2683.064	343525.010
3	18:54:55	32.813	32.813	1301.622	348.442	3784.876	1995.452	1703.227	2914.360	342592.070
x		27.083	27.083	1251.617	316.149	3709.336	2000.140	1616.237	2791.940	340278.370
σ		5.023	5.023	48.517	30.029	147.380	15.391	82.487	116.241	4837.925
%RSD		18.546	18.546	3.876	9.498	3.973	0.769	5.104	4.163	1.422

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:52:39	344262.770	1496.953	3487.926	1131.295	1120.356	2406.453	264523.450	4.688
2	18:53:47	364045.790	1490.703	3591.076	1209.426	1101.605	2348.631	274297.390	4.688
3	18:54:55	360078.370	1498.516	3669.221	1157.859	1110.981	2568.981	276952.570	14.063
x		356128.980	1495.391	3582.741	1166.194	1110.981	2441.355	271924.470	7.813
σ		10466.151	4.134	90.935	39.727	9.376	114.246	6545.519	5.413
%RSD		2.939	0.276	2.538	3.407	0.844	4.680	2.407	69.282

C2310-01 MF4R93 06/04/2011 06:59:25 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:00:33	27856.821	5.208	13254.584	406.256	122442110.000	20059161.000	2852182.300	3379377.100	1560.003
2	19:01:41	27380.902	3.646	13683.112	342.192	122509900.000	20038146.000	2852269.000	3397616.600	1258.988
3	19:02:49	27618.860	2.604	13403.160	396.881	120815900.000	19971070.000	2820745.000	3365464.200	1278.763
x		27618.861	3.819	13446.952	381.776	121922640.000	20022792.000	2841732.100	3380819.300	1365.918
σ		237.959	1.311	217.595	34.600	959058.290	46008.650	18175.438	16124.669	168.373
%RSD		0.862	34.317	1.618	9.063	0.787	0.230	0.640	0.477	12.327

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:00:33	4033812.700	1278.207	331742.010	634385.880	2829670.300	191354.300	3437323.700	97922.002	71.875
2	19:01:41	4047773.300	1500.504	330678.720	650633.320	2870671.700	193188.110	3400582.200	98057.087	73.438
3	19:02:49	3984333.100	1540.517	326888.280	652604.630	2838644.500	213647.170	3403588.500	98663.742	81.250
x		4021973.000	1439.743	329769.670	645874.610	2846328.900	199396.530	3413831.500	98214.277	75.521
σ		33336.122	141.317	2551.364	9998.230	21553.785	12375.434	20400.292	395.065	5.023
%RSD		0.829	9.815	0.774	1.548	0.757	6.206	0.598	0.402	6.651

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:00:33	53830.919	1698.539	18529.196	2650.246	2456.461	42854.807	5859.014	470.320	370.317
2	19:01:41	62961.879	1689.162	21401.957	2790.898	2443.959	40621.735	5777.731	507.822	414.069
3	19:02:49	68677.184	1928.255	23323.712	2525.223	2420.517	40781.564	5402.584	451.570	351.567
x		61823.327	1771.985	21084.955	2655.456	2440.313	41419.369	5679.776	476.570	378.651
σ		7488.332	135.415	2412.926	132.914	18.247	1245.692	243.472	28.642	32.073
%RSD		12.112	7.642	11.444	5.005	0.748	3.008	4.287	6.010	8.470

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:00:33	589.075	293.753	1271.932	1083.374	240.627	266.669	432.819	211.981	6.771
2	19:01:41	567.199	275.003	1232.866	1138.066	295.316	275.523	415.110	217.189	6.250
3	19:02:49	614.076	303.128	1256.305	1160.985	306.253	296.357	439.590	191.668	5.729
x		590.116	290.628	1253.701	1127.475	280.732	279.517	429.173	206.946	6.250
σ		23.456	14.321	19.663	39.874	35.160	15.242	12.641	13.485	0.521
%RSD		3.975	4.928	1.568	3.537	12.524	5.453	2.945	6.516	8.333

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:00:33	115.625	214.064	179.689	139.063	318.754	0.000	170721.860	70.313	76.563
2	19:01:41	-283.607	215.627	221.877	148.438	328.129	0.000	170280.710	104.688	57.813
3	19:02:49	121.876	245.315	193.751	153.126	267.190	0.000	169464.840	89.063	25.000
x		-15.369	225.002	198.439	146.876	304.691	0.000	170155.800	88.021	53.125
σ		232.322	17.609	21.481	7.160	32.813	0.000	637.751	17.211	26.099
%RSD		1511.656	7.826	10.825	4.875	10.769	0.000	0.375	19.554	49.127

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:00:33	3.125	3.125	59.375	14.063	73.438	60.938	1854.808	3205.047	341337.570
2	19:01:41	0.000	0.000	40.625	10.938	82.813	56.250	1950.133	3294.130	342763.290
3	19:02:49	3.125	3.125	37.500	1.563	68.750	40.625	1831.367	3250.370	347537.520
x		2.083	2.083	45.833	8.854	75.000	52.604	1878.770	3249.849	343879.460
σ		1.804	1.804	11.831	6.505	7.160	10.636	62.904	44.544	3247.186
%RSD		86.603	86.603	25.813	73.471	9.547	20.218	3.348	1.371	0.944

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:00:33	354252.590	40.625	104.688	109.375	110.938	260.940	257843.600	18.750
2	19:01:41	365417.660	29.688	70.313	92.188	82.813	237.502	264203.550	15.625
3	19:02:49	356677.450	25.000	76.563	79.688	75.000	195.314	261240.420	15.625
x		358782.570	31.771	83.854	93.750	89.584	231.252	261095.860	16.667
σ		5872.677	8.018	18.311	14.905	18.901	33.256	3182.437	1.804
%RSD		1.637	25.237	21.837	15.899	21.099	14.381	1.219	10.825

C2310-02 MF4R94 06/04/2011 07:07:19 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:08:27	28298.313	4.167	12031.627	504.696	112465260.000	18278458.000	2590312.700	3115041.000	1665.468
2	19:09:35	27631.384	1.563	12421.023	462.507	115032100.000	18721472.000	2618067.200	3090679.600	1597.355
3	19:10:43	27277.580	5.729	12519.546	468.758	111591570.000	18136807.000	2570294.200	3065018.200	1847.835
x		27735.759	3.819	12324.065	478.654	113029640.000	18378912.000	2592891.400	3090246.300	1703.553
σ		518.309	2.105	258.005	22.769	1788353.600	305002.610	23990.633	25014.185	129.510
%RSD		1.869	55.111	2.094	4.757	1.582	1.660	0.925	0.809	7.602

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:08:27	3607288.000	2107.374	64182.920	556429.470	2576969.600	171585.240	3098212.700	84888.968	79.688
2	19:09:35	3713271.900	1996.226	63371.497	508093.310	2583219.700	175926.630	3119181.000	84330.990	56.250
3	19:10:43	3659814.400	2311.888	62028.120	443036.830	2539803.400	172303.180	3081097.500	84507.026	68.750
x		3660124.800	2138.496	63194.179	502519.870	2566664.200	173271.680	3099497.000	84575.661	68.229
σ		52992.642	160.115	1088.288	56901.407	23471.093	2327.104	19074.217	285.251	11.727
%RSD		1.448	7.487	1.722	11.323	0.914	1.343	0.615	0.337	17.188

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:08:27	73703.702	990.659	25298.944	2706.506	2833.093	40045.110	5129.046	470.320	403.131
2	19:09:35	79787.818	1110.981	27218.092	2672.125	2794.023	40231.571	5163.433	417.194	434.382
3	19:10:43	82710.620	1020.349	28722.596	2645.557	2909.671	40468.175	4989.934	445.319	498.446
x		78734.047	1040.663	27079.877	2674.730	2845.596	40248.285	5094.137	444.278	445.320
σ		4594.994	62.680	1716.006	30.558	58.829	212.027	91.866	26.579	48.590
%RSD		5.836	6.023	6.337	1.142	2.067	0.527	1.803	5.982	10.911

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:08:27	3900.532	1823.554	3347.267	2542.414	173.439	200.522	116.667	17.188	6.250
2	19:09:35	3766.121	1951.696	3128.468	2530.953	193.751	218.231	118.750	26.042	11.979
3	19:10:43	3730.174	1862.621	3389.465	2590.339	240.627	223.960	111.980	17.188	12.500
x		3798.943	1879.290	3288.400	2554.569	202.606	214.238	115.799	20.139	10.243
σ		89.796	65.677	140.103	31.504	34.458	12.219	3.468	5.112	3.468
%RSD		2.364	3.495	4.261	1.233	17.008	5.703	2.995	25.384	33.856

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:08:27	15.625	18.750	14.063	12.500	26.563	0.000	166394.690	82.813	23.438
2	19:09:35	6.250	12.500	21.875	14.063	12.500	3.125	162724.650	79.688	39.063
3	19:10:43	15.625	9.375	15.625	9.375	21.875	0.000	157799.550	95.313	15.625
x		12.500	13.542	17.188	11.979	20.313	1.042	162306.300	85.938	26.042
σ		5.413	4.774	4.134	2.387	7.160	1.804	4312.816	8.268	11.934
%RSD		43.301	35.251	24.052	19.924	35.251	173.205	2.657	9.621	45.826

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:08:27	0.000	0.000	12.500	15.625	103.125	42.188	1687.600	2873.727	329519.580
2	19:09:35	0.000	0.000	28.125	9.375	120.313	45.313	1645.407	2915.923	321235.640
3	19:10:43	1.563	1.563	20.313	14.063	107.813	35.938	1567.274	2725.260	317808.690
x		0.521	0.521	20.313	13.021	110.417	41.146	1633.427	2838.303	322854.640
σ		0.902	0.902	7.813	3.253	8.885	4.774	61.051	100.146	6020.970
%RSD		173.205	173.205	38.462	24.980	8.047	11.601	3.738	3.528	1.865

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:08:27	356155.280	25.000	57.813	603.138	509.384	1404.757	259078.140	14.063
2	19:09:35	340649.560	18.750	37.500	589.075	537.510	1289.121	247851.890	6.250
3	19:10:43	336288.670	21.875	32.813	635.952	501.571	1159.422	237157.000	18.750
x		344364.500	21.875	42.708	609.388	516.155	1284.433	248029.010	13.021
σ		10441.321	3.125	13.289	24.055	18.902	122.734	10961.642	6.315
%RSD		3.032	14.286	31.116	3.947	3.662	9.556	4.420	48.497

ZZZZZZ 06/04/2011 07:15:13 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:16:21	22887.069	2.083	11923.724	384.380	100984640.000	16708753.000	2345326.900	2798052.400	1060.977
2	19:17:29	24779.284	2.604	12309.989	367.192	105635980.000	17295385.000	2481301.200	2961002.500	2335.610
3	19:18:37	26678.012	2.604	13152.927	431.257	111903030.000	18410486.000	2633837.700	3108466.600	1997.243
x		24781.455	2.431	12462.213	394.276	106174550.000	17471542.000	2486821.900	2955840.500	1797.944
σ		1895.472	0.301	628.581	33.159	5479082.300	864434.200	144334.580	155271.470	660.275
%RSD		7.649	12.372	5.044	8.410	5.160	4.948	5.804	5.253	36.724

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:16:21	3269132.100	2720.914	47651.215	228017.820	2023294.700	143698.800	2548875.000	65035.199	60.938
2	19:17:29	3514926.100	2849.846	52904.028	305152.820	2260230.400	154801.390	2801421.400	70834.554	54.688
3	19:18:37	3782452.100	2429.705	59271.140	394350.070	2536536.300	171942.620	3057018.000	75995.349	75.000
x		3522170.100	2666.822	53275.461	309173.570	2273353.800	156814.270	2802438.100	70621.701	63.542
σ		256736.700	215.230	5818.861	83238.988	256872.380	14229.096	254073.030	5483.175	10.404
%RSD		7.289	8.071	10.922	26.923	11.299	9.074	9.066	7.764	16.373

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:16:21	63792.113	898.466	22777.519	1961.072	490.633	31296.745	4639.816	410.943	421.881
2	19:17:29	72984.398	928.155	25713.746	2278.307	542.198	33327.893	5064.960	423.444	453.132
3	19:18:37	81277.430	948.469	28351.543	2343.942	593.762	35450.181	5419.778	479.696	489.071
x		72684.647	925.030	25614.269	2194.440	542.198	33358.273	5041.518	438.028	454.695
σ		8746.512	25.148	2788.343	204.750	51.564	2076.885	390.509	36.623	33.622
%RSD		12.034	2.719	10.886	9.330	9.510	6.226	7.746	8.361	7.394

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:16:21	3269.124	1665.722	1853.245	2167.873	185.939	178.126	96.875	13.542	7.813
2	19:17:29	3283.190	1657.909	1976.699	2373.114	204.689	192.710	110.938	16.667	6.771
3	19:18:37	3662.970	1793.863	2161.101	2595.548	226.564	205.210	114.063	20.833	9.896
x		3405.094	1705.831	1997.015	2378.845	205.731	192.015	107.292	17.014	8.160
σ		223.437	76.338	154.930	213.895	20.333	13.555	9.155	3.658	1.591
%RSD		6.562	4.475	7.758	8.992	9.883	7.059	8.533	21.501	19.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:16:21	10.938	25.000	9.375	7.813	14.063	1.563	103434.040	70.313	18.750
2	19:17:29	14.063	12.500	12.500	17.188	14.063	3.125	119749.810	65.625	14.063
3	19:18:37	7.813	10.938	10.938	7.813	14.063	1.563	137322.480	82.813	21.875
x		10.938	16.146	10.938	10.938	14.063	2.083	120168.770	72.917	18.229
σ		3.125	7.708	1.563	5.413	0.000	0.902	16948.105	8.885	3.932
%RSD		28.571	47.738	14.286	49.487	0.000	43.301	14.104	12.185	21.571

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:16:21	0.000	0.000	15.625	3.125	67.188	35.938	1239.116	2143.911	226962.140
2	19:17:29	0.000	0.000	10.938	1.563	62.500	34.375	1354.752	2334.566	256111.300
3	19:18:37	0.000	0.000	12.500	3.125	64.063	28.125	1434.447	2728.386	281456.510
x		0.000	0.000	13.021	2.604	64.583	32.813	1342.772	2402.287	254843.320
σ		0.000	0.000	2.387	0.902	2.387	4.134	98.215	298.064	27269.304
%RSD		0.000	0.000	18.330	34.641	3.696	12.599	7.314	12.408	10.700

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:16:21	239540.020	14.063	21.875	418.756	287.503	778.146	150403.220	7.813
2	19:17:29	268135.170	18.750	25.000	407.818	381.255	914.092	177514.840	4.688
3	19:18:37	295790.210	12.500	35.938	501.571	450.007	973.471	208209.440	6.250
x		267821.800	15.104	27.604	442.715	372.922	888.570	178709.170	6.250
σ		28126.406	3.253	7.384	51.263	81.572	100.132	28921.611	1.563
%RSD		10.502	21.534	26.750	11.579	21.874	11.269	16.184	25.000

C2310-04 MF4R94S 06/04/2011 07:23:07 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:24:15	28105.745	3100.857	13229.560	428.131	118286270.000	19634243.000	2753158.900	3279562.100	832958.180
2	19:25:23	28420.430	3243.076	13726.904	406.256	120253800.000	19644667.000	2791352.300	3353897.200	827728.870
3	19:26:31	28176.197	3255.058	13253.020	451.570	121681330.000	20056895.000	2795835.100	3341098.500	837113.060
x		28234.124	3199.664	13403.161	428.652	120073800.000	19778602.000	2780115.400	3324852.600	832600.030
σ		165.146	85.779	280.615	22.661	1704675.100	241065.420	23452.406	39741.317	4702.334
%RSD		0.585	2.681	2.094	5.287	1.420	1.219	0.844	1.195	0.565

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:24:15	3978975.000	2245.198	66292.521	635754.110	2739905.300	181394.370	3244556.200	93817.869	90.625
2	19:25:23	4028437.200	2165.172	68013.080	680712.400	2785674.400	184925.150	3294162.100	98265.855	73.438
3	19:26:31	4001529.400	2227.415	66907.880	689693.800	2800154.200	206748.290	3314808.300	94743.816	78.125
x		4002980.500	2212.595	67071.160	668720.110	2775244.600	191022.600	3284508.900	95609.180	80.729
σ		24763.009	42.021	871.824	28900.411	31449.454	13732.790	36107.179	2346.867	8.885
%RSD		0.619	1.899	1.300	4.322	1.133	7.189	1.099	2.455	11.006

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:24:15	393413.840	115683.690	48485.264	51081.789	433391.380	812786.910	24146.953	349476.150	72770.812
2	19:25:23	410562.970	118358.600	52254.770	52436.685	434942.140	805602.890	23431.701	357153.170	74220.429
3	19:26:31	413143.600	117448.000	54765.712	51298.188	439764.580	804644.850	23575.687	352856.160	73821.495
x		405706.800	117163.430	51835.249	51605.554	436032.700	807678.220	23718.114	353161.830	73604.245
σ		10723.927	1359.968	3161.171	727.868	3323.616	4450.118	378.299	3847.631	748.829
%RSD		2.643	1.161	6.098	1.410	0.762	0.551	1.595	1.089	1.017

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:24:15	90542.270	44818.632	64212.741	6385.802	359.380	339.067	324.483	111.459	8.333
2	19:25:23	92872.784	46199.583	65170.187	6431.656	367.192	398.443	314.066	108.334	7.292
3	19:26:31	91380.394	46034.991	64005.564	6733.357	346.879	358.859	309.899	107.292	5.208
x		91598.483	45684.402	64462.831	6516.938	357.817	365.456	316.149	109.028	6.944
σ		1180.464	754.282	621.285	188.821	10.246	30.233	7.512	2.168	1.591
%RSD		1.289	1.651	0.964	2.897	2.864	8.273	2.376	1.989	22.913

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:24:15	9.375	12.500	15.625	9.375	15.625	1.563	160548.680	726.581	26922.219
2	19:25:23	25.000	15.625	6.250	6.250	12.500	0.000	161136.490	637.514	27072.503
3	19:26:31	17.188	14.063	9.375	6.250	15.625	0.000	159772.860	667.203	27261.925
x		17.188	14.063	10.417	7.292	14.583	0.521	160486.010	677.099	27085.549
σ		7.813	1.563	4.774	1.804	1.804	0.902	683.969	45.351	170.228
%RSD		45.455	11.111	45.826	24.744	12.372	173.205	0.426	6.698	0.628

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:24:15	426.569	426.569	25032.851	6612.468	82.813	45842.185	147531.320	257129.340	313831.580
2	19:25:23	484.383	484.383	26117.603	6851.643	90.625	46174.503	150965.350	254638.440	315414.310
3	19:26:31	400.006	400.006	26307.012	6806.309	93.750	46165.097	149525.320	260984.240	320415.970
x		436.986	436.986	25819.155	6756.806	89.063	46060.595	149340.660	257584.010	316553.950
σ		43.143	43.143	687.514	127.040	5.634	189.207	1724.449	3197.240	3436.953
%RSD		9.873	9.873	2.663	1.880	6.326	0.411	1.155	1.241	1.086

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:24:15	328394.100	30623.413	79340.022	11535.906	9992.556	23956.007	238532.750	12.500
2	19:25:23	335233.040	31326.497	79259.891	11387.349	10466.333	23488.043	237195.130	3.125
3	19:26:31	341095.960	31700.759	81200.431	11229.412	10136.407	24279.991	243162.960	9.375
x		334907.700	31216.890	79933.448	11384.222	10198.432	23908.014	239630.280	8.333
σ		6357.175	546.973	1097.971	153.271	242.902	398.149	3131.643	4.774
%RSD		1.898	1.752	1.374	1.346	2.382	1.665	1.307	57.282

C2310-02LX5 MF4R94L 06/04/2011 07:31:02 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:32:10	30303.983	2.604	3048.763	357.817	25682389.000	4082061.700	581381.620	648124.620	1506.329
2	19:33:18	29333.209	5.208	3033.135	357.817	25148176.000	4096234.400	578246.990	650329.310	1445.386
3	19:34:26	30186.547	4.167	3120.653	325.004	25369770.000	4161419.400	584378.670	654608.900	1629.781
x		29941.246	3.993	3067.517	346.879	25400112.000	4113238.500	581335.760	651020.940	1527.165
σ		529.839	1.311	46.676	18.945	268395.860	42323.345	3066.098	3297.005	93.947
%RSD		1.770	32.825	1.522	5.461	1.057	1.029	0.527	0.506	6.152

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:32:10	804580.430	1142.233	29683.933	191059.770	597614.210	38030.241	627868.140	89701.051	17.188
2	19:33:18	801174.940	1248.492	30250.745	193413.000	602660.320	38371.777	624891.810	91287.616	25.000
3	19:34:26	799792.810	1201.613	30282.061	193964.140	594863.850	38747.790	629903.300	91361.524	32.813
x		801849.390	1197.446	30072.246	192812.300	598379.460	38383.269	627554.420	90783.397	25.000
σ		2464.038	53.252	336.654	1542.552	3954.168	358.913	2520.431	938.067	7.813
%RSD		0.307	4.447	1.119	0.800	0.661	0.935	0.402	1.033	31.250

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:32:10	38318.509	645.327	13437.567	3140.970	956.282	37879.842	1603.215	168.751	140.626
2	19:33:18	37867.309	640.639	13104.445	3087.834	943.781	38705.488	1667.285	193.751	132.813
3	19:34:26	37966.008	596.887	12685.317	3078.457	1000.035	39064.275	1681.349	242.190	117.188
x		38050.609	627.618	13075.776	3102.420	966.699	38549.868	1650.616	201.564	130.209
σ		237.199	26.716	376.943	33.713	29.538	607.358	41.649	37.337	11.934
%RSD		0.623	4.257	2.883	1.087	3.056	1.576	2.523	18.524	9.165

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:32:10	915.654	470.320	1260.993	728.144	101.563	121.355	135.938	11.979	10.417
2	19:33:18	925.030	471.883	1189.112	738.040	85.938	97.396	137.501	10.417	9.896
3	19:34:26	968.783	498.446	1284.433	703.142	95.313	91.146	135.938	11.979	8.333
x		936.489	480.216	1244.846	723.109	94.271	103.299	136.459	11.458	9.549
σ		28.357	15.807	49.670	17.985	7.864	15.946	0.902	0.902	1.084
%RSD		3.028	3.292	3.990	2.487	8.342	15.437	0.661	7.873	11.355

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:32:10	12.500	6.250	7.813	7.813	7.813	1.563	183833.060	85.938	18.750
2	19:33:18	9.375	12.500	7.813	1.563	18.750	0.000	184584.850	117.188	14.063
3	19:34:26	1.563	6.250	7.813	7.813	9.375	0.000	185797.290	89.063	29.688
x		7.813	8.333	7.813	5.729	11.979	0.521	184738.400	97.396	20.833
σ		5.634	3.608	0.000	3.608	5.916	0.902	991.077	17.211	8.018
%RSD		72.111	43.301	0.000	62.984	49.382	173.205	0.536	17.671	38.487

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:32:10	0.000	0.000	7.813	10.938	59.375	51.563	417.194	773.458	347513.500
2	19:33:18	0.000	0.000	12.500	4.688	37.500	39.063	348.442	657.828	339892.790
3	19:34:26	0.000	0.000	20.313	4.688	46.875	26.563	429.694	704.705	344658.070
x		0.000	0.000	13.542	6.771	47.917	39.063	398.443	711.997	344021.450
σ		0.000	0.000	6.315	3.608	10.975	12.500	43.751	58.159	3850.038
%RSD		0.000	0.000	46.632	53.294	22.904	32.000	10.981	8.168	1.119

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:32:10	354537.660	193.751	446.882	123.438	140.626	326.566	268585.700	0.000
2	19:33:18	360736.860	145.313	332.816	184.376	125.001	282.815	274698.740	6.250
3	19:34:26	357041.050	117.188	287.503	157.813	148.438	331.254	270387.970	3.125
x		357438.520	152.084	355.734	155.209	138.022	313.545	271224.140	3.125
σ		3118.657	38.728	82.124	30.552	11.934	26.716	3141.129	3.125
%RSD		0.873	25.465	23.086	19.685	8.646	8.521	1.158	100.000

CCV 06/04/2011 07:38:55 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:40:03	28428.258	33232.881	7859.974	428.131	26762719.000	18981757.000	2662030.300	3224267.100	4494507.400
2	19:41:11	28885.423	33973.161	7850.594	434.382	27099097.000	19499962.000	2701650.200	3273875.700	4556448.300
3	19:42:19	28647.445	33073.658	7772.426	462.507	26896435.000	19214330.000	2703351.900	3214412.000	4570635.600
x		28653.709	33426.566	7827.665	441.674	26919417.000	19232016.000	2689010.800	3237518.300	4540530.400
σ		228.647	480.012	48.067	18.311	169362.640	259554.810	23381.309	31869.737	40483.433
%RSD		0.798	1.436	0.614	4.146	0.629	1.350	0.870	0.984	0.892

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:40:03	103256.030	183859.970	19865.365	78747.695	9872568.100	50214.455	714651.740	89671.177	22800.994
2	19:41:11	105649.720	183084.480	20286.268	78873.386	10158350.000	51123.478	728929.500	89389.734	22838.554
3	19:42:19	101604.550	178122.330	19998.363	79995.223	9866998.500	49935.687	715377.370	89631.869	22876.114
x		103503.430	181688.930	20049.999	79205.435	9965972.200	50424.540	719652.870	89564.260	22838.554
σ		2033.902	3113.002	215.150	686.858	166627.330	621.139	8041.985	152.416	37.560
%RSD		1.965	1.713	1.073	0.867	1.672	1.232	1.117	0.170	0.164

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:40:03	348270.670	321801.280	46895.596	1272099.000	957951.550	22427800.000	527314.530	387698.230	83153.807
2	19:41:11	355743.650	326453.500	46829.755	1290478.800	964126.590	22754929.000	532770.770	399110.830	82940.070
3	19:42:19	341699.180	317214.450	44839.009	1257048.700	938998.500	22417131.000	520377.440	392890.350	83023.364
x		348571.170	321823.080	46188.120	1273208.800	953692.210	22533286.000	526820.910	393233.130	83039.080
σ		7027.055	4619.564	1168.828	16742.675	13094.335	192021.940	6211.395	5714.015	107.732
%RSD		2.016	1.435	2.531	1.315	1.373	0.852	1.179	1.453	0.130

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:40:03	402819.000	199928.340	140993.920	47786.562	3445.728	3518.142	10846.825	4703.899	8.854
2	19:41:11	404019.380	202257.660	143114.850	48246.437	3469.171	3561.381	10873.407	4619.497	5.208
3	19:42:19	398543.760	201571.500	139031.070	48574.107	3330.076	3488.447	11020.395	4683.580	8.854
x		401794.050	201252.500	141046.620	48202.369	3414.992	3522.657	10913.542	4668.992	7.639
σ		2878.112	1196.978	2042.400	395.618	74.468	36.676	93.487	44.052	2.105
%RSD		0.716	0.595	1.448	0.821	2.181	1.041	0.857	0.943	27.555

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:40:03	59671.238	100988.510	107540.760	64922.187	166165.480	4.688	181054.160	6298.263	324454.030
2	19:41:11	59514.336	104968.610	111240.800	67115.098	166881.570	0.000	184855.500	6875.091	325074.140
3	19:42:19	59497.077	102689.630	111214.030	67410.233	167784.240	0.000	184341.110	6728.147	325723.050
x		59560.884	102882.250	109998.530	66482.506	166943.760	1.563	183416.920	6633.834	325083.740
σ		95.959	1997.028	2128.537	1359.310	811.168	2.706	2062.315	299.756	634.563
%RSD		0.161	1.941	1.935	2.045	0.486	173.205	1.124	4.519	0.195

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:40:03	4997.749	4997.749	305288.490	74924.088	184181.250	250243.040	206657.460	353752.940	341604.780
2	19:41:11	4896.151	4896.151	300383.000	75816.276	187606.650	256450.110	204653.930	360035.110	346143.340
3	19:42:19	5079.028	5079.028	307178.360	75954.508	186582.420	252120.940	207313.740	352125.970	342459.250
x		4990.976	4990.976	304283.280	75564.957	186123.440	252938.030	206208.380	355304.670	343402.450
σ		91.626	91.626	3507.426	559.296	1758.217	3183.182	1385.609	4176.667	2411.815
%RSD		1.836	1.836	1.153	0.740	0.945	1.258	0.672	1.176	0.702

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:40:03	360265.820	357359.810	887503.260	286739.720	274162.010	634207.930	271819.450	1465641.700
2	19:41:11	365696.540	361074.930	914678.630	293196.940	278724.030	637891.620	271631.550	1501312.000
3	19:42:19	361203.110	363266.960	907486.280	291616.650	280556.250	645224.210	273765.450	1505683.500
x		362388.490	360567.230	903222.720	290517.770	277814.100	639107.920	272405.480	1490879.100
σ		2902.930	2986.124	14080.436	3365.945	3292.802	5607.957	1181.512	21965.220
%RSD		0.801	0.828	1.559	1.159	1.185	0.877	0.434	1.473

CCB 06/04/2011 07:46:47 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:47:55	29211.085	7.292	182.814	300.003	23062.351	2628.367	346.879	420.319	990.659
2	19:49:03	28927.696	7.292	189.064	307.816	22217.263	1942.320	293.753	334.379	812.523
3	19:50:11	29070.173	6.250	189.064	298.441	23417.615	2461.150	367.192	370.317	875.027
x		29069.651	6.944	186.980	302.087	22899.076	2343.945	335.941	375.005	892.736
σ		141.695	0.601	3.608	5.023	616.608	357.726	37.922	43.161	90.379
%RSD		0.487	8.660	1.930	1.663	2.693	15.262	11.288	11.510	10.124

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:47:55	3067.517	1295.371	19860.671	80560.888	58659.248	10.938	454.695	92298.770	6.250
2	19:49:03	3064.391	1204.738	20165.786	81362.286	58833.399	12.500	325.004	92635.312	1.563
3	19:50:11	3169.102	1153.172	20233.068	82430.886	59541.009	18.750	415.631	92666.765	4.688
x		3100.337	1217.760	20086.508	81451.353	59011.219	14.063	398.443	92533.616	4.167
σ		59.573	71.989	198.453	938.175	467.002	4.134	66.532	203.990	2.387
%RSD		1.921	5.912	0.988	1.152	0.791	29.397	16.698	0.220	57.282

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:47:55	13726.904	346.879	4666.387	3265.998	175.001	37861.042	368.755	29.688	12.500
2	19:49:03	13421.927	373.442	4622.623	3209.736	204.689	36957.117	354.692	32.813	14.063
3	19:50:11	13254.584	332.816	4363.166	3269.124	228.127	37867.309	359.380	35.938	6.250
x		13467.805	351.046	4550.725	3248.286	202.606	37561.823	360.942	32.813	10.938
σ		239.479	20.631	163.898	33.422	26.624	523.700	7.160	3.125	4.134
%RSD		1.778	5.877	3.602	1.029	13.141	1.394	1.984	9.524	37.796

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:47:55	64.063	32.813	79.688	118.750	35.938	45.833	131.771	7.813	7.813
2	19:49:03	50.000	25.000	96.875	104.167	48.438	38.021	133.334	7.292	7.813
3	19:50:11	68.750	26.563	109.375	99.480	31.250	42.708	137.501	10.938	10.417
x		60.938	28.125	95.313	107.466	38.542	42.188	134.202	8.681	8.681
σ		9.758	4.134	14.905	10.050	8.885	3.932	2.962	1.972	1.504
%RSD		16.013	14.699	15.638	9.352	23.052	9.321	2.207	22.716	17.321

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:47:55	82.813	160.938	160.938	75.000	256.252	0.000	191411.310	104.688	42.188
2	19:49:03	60.938	115.625	115.625	76.563	140.626	0.000	189308.560	103.125	42.188
3	19:50:11	45.313	79.688	78.125	54.688	148.438	1.563	191441.390	92.188	71.875
x		63.021	118.751	118.230	68.750	181.772	0.521	190720.420	100.000	52.083
σ		18.837	40.715	41.468	12.204	64.620	0.902	1222.796	6.811	17.140
%RSD		29.890	34.286	35.074	17.751	35.550	173.205	0.641	6.811	32.909

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:47:55	1.563	1.563	39.063	7.813	217.189	350.004	14.063	34.375	362545.860
2	19:49:03	1.563	1.563	39.063	17.188	190.626	239.065	18.750	26.563	356228.960
3	19:50:11	0.000	0.000	51.563	12.500	154.688	190.626	25.000	32.813	357111.530
x		1.042	1.042	43.229	12.500	187.501	259.898	19.271	31.250	358628.780
σ		0.902	0.902	7.217	4.688	31.367	81.706	5.487	4.134	3420.873
%RSD		86.603	86.603	16.694	37.500	16.729	31.438	28.475	13.229	0.954

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:47:55	370160.890	59.375	218.752	43.750	45.313	89.063	292793.480	168.751
2	19:49:03	374538.430	65.625	160.938	29.688	34.375	82.813	293970.410	129.688
3	19:50:11	375362.770	76.563	187.501	35.938	28.125	87.500	296498.420	153.126
x		373354.030	67.188	189.064	36.458	35.938	86.459	294420.770	150.522
σ		2795.884	8.700	28.938	7.046	8.700	3.253	1893.081	19.661
%RSD		0.749	12.948	15.306	19.325	24.208	3.762	0.643	13.062

C2310-01X25 MF4R93 06/04/2011 07:54:39 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:55:47	28267.001	13.021	689.079	312.503	5167852.400	867214.940	113552.640	138919.050	1892.313
2	19:56:55	28207.508	10.938	592.200	259.377	5136585.600	842550.190	111776.210	133380.710	1875.123
3	19:58:03	25982.983	10.417	679.704	243.752	4720796.900	784477.300	103619.750	123281.220	1771.985
x		27485.831	11.458	653.661	271.878	5008411.600	831414.140	109649.530	131860.330	1846.474
σ		1301.844	1.378	53.433	36.040	249571.760	42478.090	5296.944	7929.008	65.079
%RSD		4.736	12.026	8.174	13.256	4.983	5.109	4.831	6.013	3.525

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:55:47	166344.110	1210.989	30823.843	70008.623	173498.770	8238.312	132224.720	90763.983	7.813
2	19:56:55	165479.460	1146.921	30822.277	53518.812	165365.660	7963.156	130688.810	86371.250	9.375
3	19:58:03	149261.650	1021.912	25895.324	37405.156	146015.870	6997.026	114502.360	78029.709	14.063
x		160361.740	1126.607	29180.481	53644.197	161626.760	7732.831	125805.300	85054.981	10.417
σ		9622.676	96.162	2845.030	16302.095	14117.789	651.909	9818.712	6468.374	3.253
%RSD		6.001	8.536	9.750	30.389	8.735	8.430	7.805	7.605	31.225

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:55:47	13770.696	432.819	4591.363	3080.020	560.949	40516.750	734.394	145.313	67.188
2	19:56:55	13950.558	429.694	4580.422	3186.293	518.759	39557.818	751.582	140.626	62.500
3	19:58:03	12363.160	401.568	4360.040	2792.460	468.758	36056.382	659.390	137.501	40.625
x		13361.472	421.360	4510.608	3019.591	516.155	38710.317	715.122	141.147	56.771
σ		869.228	17.212	130.510	203.752	46.151	2347.853	49.024	3.932	14.178
%RSD		6.505	4.085	2.893	6.748	8.941	6.065	6.855	2.786	24.974

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:55:47	131.251	75.000	209.377	157.293	59.375	47.917	141.667	23.958	9.896
2	19:56:55	151.563	68.750	210.939	145.313	32.813	46.875	129.167	16.667	8.854
3	19:58:03	129.688	64.063	206.251	141.667	32.813	33.854	128.646	15.104	5.729
x		137.501	69.271	208.856	148.091	41.667	42.882	133.160	18.576	8.160
σ		12.204	5.487	2.387	8.175	15.336	7.836	7.372	4.726	2.168
%RSD		8.875	7.922	1.143	5.520	36.806	18.273	5.536	25.440	26.574

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:55:47	29.688	59.375	75.000	37.500	107.813	0.000	183347.190	71.875	57.813
2	19:56:55	37.500	45.313	65.625	26.563	95.313	0.000	177799.600	71.875	57.813
3	19:58:03	31.250	57.813	54.688	21.875	93.750	0.000	147045.090	87.500	48.438
x		32.813	54.167	65.104	28.646	98.959	0.000	169397.290	77.084	54.688
σ		4.134	7.708	10.166	8.018	7.708	0.000	19555.297	9.021	5.413
%RSD		12.599	14.229	15.615	27.991	7.789	0.000	11.544	11.703	9.897

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:55:47	0.000	0.000	75.000	26.563	115.625	148.438	145.313	250.002	336047.150
2	19:56:55	1.563	1.563	57.813	20.313	98.438	145.313	117.188	190.626	326634.130
3	19:58:03	1.563	1.563	51.563	15.625	109.375	84.375	110.938	209.377	286623.360
x		1.042	1.042	61.458	20.833	107.813	126.042	124.480	216.668	316434.880
σ		0.902	0.902	12.137	5.487	8.700	36.118	18.311	30.352	26243.023
%RSD		86.603	86.603	19.748	26.339	8.069	28.656	14.710	14.009	8.293

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:55:47	357462.330	164.063	365.630	89.063	93.750	242.190	272402.270	304.691
2	19:56:55	340979.160	93.750	339.067	78.125	89.063	196.876	259636.580	312.503
3	19:58:03	292235.350	95.313	281.253	62.500	70.313	187.501	221147.000	248.440
x		330225.610	117.709	328.650	76.563	84.375	208.856	251061.950	288.545
σ		33917.084	40.152	43.142	13.350	12.402	29.246	26681.806	34.951
%RSD		10.271	34.111	13.127	17.437	14.699	14.003	10.628	12.113

C2310-02X25 MF4R94 06/04/2011 08:02:33 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:03:41	26707.755	5.729	625.014	260.940	4558819.800	743606.920	97009.515	116616.230	1415.695
2	20:04:49	28364.068	8.854	600.013	275.003	4666388.700	779045.900	100815.420	121401.160	1470.388
3	20:05:57	28226.295	8.854	632.827	278.128	4866592.500	798058.880	105267.670	127831.890	1611.028
x		27766.039	7.813	619.284	271.357	4697267.000	773570.570	101030.870	121949.760	1499.037
σ		919.086	1.804	17.141	9.156	156192.540	27635.818	4133.292	5627.918	100.769
%RSD		3.310	23.094	2.768	3.374	3.325	3.573	4.091	4.615	6.722

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:03:41	146953.530	1059.414	18335.196	37893.942	146565.200	6456.146	111396.700	80655.168	18.750
2	20:04:49	150512.170	1048.476	19644.748	48112.131	153836.360	7120.524	114970.160	83740.029	6.250
3	20:05:57	154145.920	1090.667	20478.730	58174.459	161285.030	7200.252	120369.040	85511.413	4.688
x		150537.210	1066.186	19486.225	48060.177	153895.530	6925.641	115578.630	83302.203	9.896
σ		3596.260	21.895	1080.524	10140.358	7360.093	408.544	4517.013	2457.549	7.708
%RSD		2.389	2.054	5.545	21.099	4.783	5.899	3.908	2.950	77.888

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:03:41	11950.309	334.379	4009.938	2798.712	423.444	36285.085	625.014	67.188	42.188
2	20:04:49	12458.555	342.192	4422.560	2972.184	410.943	38805.760	715.643	65.625	39.063
3	20:05:57	12894.880	392.193	4492.894	3092.522	431.257	40092.117	675.016	68.750	56.250
x		12434.581	356.254	4308.464	2954.473	421.881	38394.321	671.891	67.188	45.833
σ		472.742	31.368	260.912	147.704	10.246	1936.578	45.395	1.563	9.155
%RSD		3.802	8.805	6.056	4.999	2.429	5.044	6.756	2.326	19.975

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:03:41	243.752	126.563	292.190	151.563	40.625	33.333	133.855	5.208	7.813
2	20:04:49	254.690	117.188	318.754	193.751	21.875	35.938	133.334	11.979	9.896
3	20:05:57	259.377	132.813	303.128	177.605	35.938	35.417	148.959	8.333	8.854
x		252.606	125.521	304.691	174.307	32.813	34.896	138.716	8.507	8.854
σ		8.018	7.864	13.350	21.287	9.758	1.378	8.875	3.389	1.042
%RSD		3.174	6.265	4.382	12.212	29.738	3.949	6.398	39.835	11.765

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:03:41	23.438	29.688	29.688	15.625	31.250	0.000	146352.090	78.125	21.875
2	20:04:49	12.500	25.000	21.875	18.750	45.313	0.000	162339.050	104.688	29.688
3	20:05:57	21.875	28.125	25.000	10.938	35.938	0.000	173593.660	120.313	9.375
x		19.271	27.604	25.521	15.104	37.500	0.000	160761.600	101.042	20.313
σ		5.916	2.387	3.932	3.932	7.160	0.000	13689.120	21.329	10.246
%RSD		30.697	8.646	15.408	26.034	19.094	0.000	8.515	21.109	50.442

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:03:41	0.000	0.000	12.500	12.500	48.438	40.625	107.813	137.501	279119.130
2	20:04:49	0.000	0.000	20.313	6.250	64.063	50.000	78.125	167.188	304313.320
3	20:05:57	0.000	0.000	31.250	14.063	60.938	59.375	87.500	159.376	317276.750
x		0.000	0.000	21.354	10.938	57.813	50.000	91.146	154.688	300236.400
σ		0.000	0.000	9.418	4.134	8.268	9.375	15.176	15.389	19402.756
%RSD		0.000	0.000	44.105	37.796	14.301	18.750	16.650	9.948	6.462

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:03:41	292466.570	82.813	132.813	60.938	65.625	109.375	210827.100	90.625
2	20:04:49	313312.560	51.563	143.751	70.313	56.250	128.126	231339.330	106.250
3	20:05:57	328037.610	54.688	112.500	57.813	51.563	148.438	242864.190	110.938
x		311272.250	63.021	129.688	63.021	57.813	128.646	228343.540	102.605
σ		17873.077	17.211	15.858	6.505	7.160	19.537	16227.289	10.636
%RSD		5.742	27.310	12.228	10.322	12.385	15.186	7.107	10.366

C2310-03X25 MF4R94D 06/04/2011 08:10:25 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:11:33	30297.719	4.167	692.204	309.378	5394854.300	895908.450	116729.650	140135.540	1201.613
2	20:12:41	29129.669	2.604	684.391	329.691	5365966.100	879575.130	115512.000	138450.480	1032.850
3	20:13:49	30141.139	2.083	640.639	346.879	5459311.600	889245.360	115792.380	139652.720	1175.048
x		29856.175	2.951	672.412	328.650	5406710.600	888242.980	116011.340	139412.910	1136.504
σ		634.026	1.084	27.792	18.772	47788.867	8212.669	637.673	867.749	90.744
%RSD		2.124	36.735	4.133	5.712	0.884	0.925	0.550	0.622	7.985

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:11:33	173005.340	1203.176	21934.013	74452.884	176913.700	8160.142	132320.920	89329.987	14.063
2	20:12:41	172333.220	1279.745	22056.076	76724.229	178627.020	8321.173	135377.480	89746.648	1.563
3	20:13:49	172301.600	1168.798	22171.880	78122.401	176333.160	8163.269	133062.130	90348.864	10.938
x		172546.720	1217.239	22053.990	76433.172	177291.290	8214.862	133586.850	89808.500	8.854
σ		397.490	56.795	118.947	1851.992	1192.635	92.082	1594.408	512.247	6.505
%RSD		0.230	4.666	0.539	2.423	0.673	1.121	1.194	0.570	73.471

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:11:33	12283.404	420.319	4299.084	3040.949	196.876	38058.441	684.391	43.750	32.813
2	20:12:41	12564.898	353.129	4370.981	3148.785	223.439	39197.452	690.642	26.563	25.000
3	20:13:49	12458.555	331.254	4247.506	3031.572	195.314	39336.897	635.952	42.188	18.750
x		12435.619	368.234	4305.857	3073.768	205.210	38864.263	670.328	37.500	25.521
σ		142.142	46.414	62.015	65.135	15.806	701.337	29.935	9.504	7.046
%RSD		1.143	12.604	1.440	2.119	7.703	1.805	4.466	25.345	27.608

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:11:33	207.814	123.438	210.939	182.814	31.250	34.375	141.147	7.292	6.250
2	20:12:41	189.064	93.750	254.690	183.855	34.375	28.646	137.501	10.417	12.500
3	20:13:49	234.377	107.813	237.502	205.731	35.938	38.021	136.459	8.333	5.208
x		210.418	108.334	234.377	190.800	33.854	33.681	138.369	8.681	7.986
σ		22.769	14.851	22.042	12.941	2.387	4.726	2.461	1.591	3.944
%RSD		10.821	13.708	9.405	6.782	7.050	14.032	1.779	18.330	49.382

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:11:33	9.375	14.063	20.313	12.500	23.438	0.000	182077.990	110.938	6.250
2	20:12:41	9.375	12.500	15.625	6.250	28.125	0.000	179884.840	90.625	12.500
3	20:13:49	9.375	18.750	15.625	9.375	14.063	1.563	184022.980	82.813	7.813
x		9.375	15.104	17.188	9.375	21.875	0.521	181995.270	94.792	8.854
σ		0.000	3.253	2.706	3.125	7.160	0.902	2070.312	14.518	3.253
%RSD		0.000	21.534	15.746	33.333	32.733	173.205	1.138	15.316	36.735

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:11:33	1.563	1.563	9.375	0.000	26.563	18.750	62.500	142.188	331427.010
2	20:12:41	1.563	1.563	4.688	3.125	29.688	28.125	89.063	145.313	335282.620
3	20:13:49	1.563	1.563	3.125	3.125	53.125	26.563	65.625	153.126	335760.840
x		1.563	1.563	5.729	2.083	36.458	24.479	72.396	146.876	334156.830
σ		0.000	0.000	3.253	1.804	14.518	5.023	14.518	5.634	2376.149
%RSD		0.000	0.000	56.773	86.603	39.821	20.518	20.054	3.836	0.711

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:11:33	342120.020	32.813	67.188	54.688	42.188	98.438	257966.100	18.750
2	20:12:41	348195.440	14.063	75.000	46.875	28.125	100.000	258538.810	17.188
3	20:13:49	353999.560	29.688	64.063	50.000	37.500	101.563	263847.050	15.625
x		348105.000	25.521	68.750	50.521	35.938	100.000	260117.320	17.188
σ		5940.288	10.045	5.634	3.932	7.160	1.563	3242.710	1.563
%RSD		1.706	39.362	8.194	7.783	19.924	1.563	1.247	9.091

C2310-04X25 MF4R94S 06/04/2011 08:18:18 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:19:26	29746.563	144.272	659.390	343.754	5395757.900	875822.380	114946.530	139748.960	37295.495
2	20:20:34	29732.471	134.376	671.891	296.878	5393534.100	878526.750	117049.440	142144.300	37538.317
3	20:21:42	28611.435	144.792	662.515	306.253	5517636.300	917891.500	122507.410	146446.810	38550.382
x		29363.490	141.147	664.599	315.629	5435642.800	890746.870	118167.790	142780.020	37794.731
σ		651.336	5.870	6.506	24.804	71017.157	23546.789	3902.536	3393.873	665.580
%RSD		2.218	4.158	0.979	7.859	1.307	2.643	3.303	2.377	1.761

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:19:26	173312.150	1123.482	22077.985	82650.901	176304.680	8161.706	133448.530	91688.609	7.813
2	20:20:34	172919.940	1181.299	22441.050	85307.072	179484.540	8393.090	133416.980	91432.287	7.813
3	20:21:42	181052.580	1193.800	22361.237	86913.587	181183.910	8465.007	138229.600	88289.171	3.125
x		175761.550	1166.194	22293.424	84957.187	178991.040	8339.934	135031.700	90470.022	6.250
σ		4586.355	37.514	190.796	2152.774	2476.767	158.484	2769.507	1893.016	2.706
%RSD		2.609	3.217	0.856	2.534	1.384	1.900	2.051	2.092	43.301

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:19:26	25313.031	5512.001	4802.370	5344.750	19855.977	74957.073	1515.705	16251.426	3362.896
2	20:20:34	25309.901	5640.176	4846.134	5247.839	19780.873	75533.535	1509.455	15738.352	3458.231
3	20:21:42	25781.055	5891.840	4896.151	5449.477	20524.108	75071.735	1532.895	16506.406	3537.938
x		25467.996	5681.339	4848.218	5347.355	20053.653	75187.447	1519.352	16165.395	3453.022
σ		271.122	193.236	46.926	100.844	409.153	305.154	12.138	391.187	87.637
%RSD		1.065	3.401	0.968	1.886	2.040	0.406	0.799	2.420	2.538

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:19:26	4575.733	2257.991	3325.387	327.608	23.438	39.583	168.751	16.667	11.979
2	20:20:34	4608.556	2172.040	3223.801	357.817	37.500	39.583	157.293	13.021	13.542
3	20:21:42	4533.532	2350.193	3455.105	351.046	32.813	37.500	160.938	16.667	8.333
x		4572.607	2260.075	3334.765	345.490	31.250	38.889	162.327	15.451	11.285
σ		37.610	89.095	115.937	15.852	7.160	1.203	5.854	2.105	2.673
%RSD		0.822	3.942	3.477	4.588	22.913	3.093	3.606	13.623	23.684

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:19:26	12.500	9.375	12.500	6.250	7.813	0.000	186316.490	126.563	1304.747
2	20:20:34	10.938	9.375	12.500	6.250	17.188	0.000	186254.750	101.563	1242.242
3	20:21:42	9.375	4.688	9.375	12.500	12.500	0.000	181649.140	114.063	1265.681
x		10.938	7.813	11.458	8.333	12.500	0.000	184740.130	114.063	1270.890
σ		1.563	2.706	1.804	3.608	4.688	0.000	2677.051	12.500	31.577
%RSD		14.286	34.641	15.746	43.301	37.500	0.000	1.449	10.959	2.485

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:19:26	26.563	26.563	1223.490	321.879	39.063	2004.828	6617.157	11704.793	343041.730
2	20:20:34	12.500	12.500	1187.549	328.129	35.938	2051.710	6689.066	11793.929	344426.010
3	20:21:42	17.188	17.188	1260.993	301.566	51.563	2272.056	7012.658	11972.202	328550.770
x		18.750	18.750	1224.011	317.191	42.188	2109.531	6772.960	11823.641	338672.830
σ		7.160	7.160	36.725	13.888	8.268	142.689	210.675	136.158	8793.247
%RSD		38.188	38.188	3.000	4.378	19.598	6.764	3.111	1.152	2.596

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:19:26	361803.970	1353.189	3542.627	545.323	476.570	1040.663	272614.060	18.750
2	20:20:34	355822.130	1448.511	3567.633	456.257	473.445	1117.231	270142.780	7.813
3	20:21:42	343945.890	1559.460	3636.400	520.322	467.195	1125.044	261362.950	17.188
x		353857.330	1453.720	3582.220	507.301	472.404	1094.313	268039.930	14.583
σ		9089.722	103.234	48.559	45.938	4.774	46.626	5912.982	5.916
%RSD		2.569	7.101	1.356	9.055	1.011	4.261	2.206	40.564

C2310-02LX125 MF4R94L 06/04/2011 08:26:12 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:27:20	29823.285	3.125	185.939	317.191	961400.170	156360.420	21729.013	26158.302	1500.079
2	20:28:28	29522.662	3.125	203.126	351.567	956960.170	153518.910	22045.121	26316.405	1475.076
3	20:29:36	29638.526	3.125	189.064	334.379	967401.290	161068.540	22963.754	26756.283	1418.821
x		29661.491	3.125	192.710	334.379	961920.550	156982.620	22245.963	26410.330	1464.659
σ		151.622	0.000	9.156	17.188	5239.975	3813.081	641.404	309.858	41.619
%RSD		0.511	0.000	4.751	5.140	0.545	2.429	2.883	1.173	2.842

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:27:20	34623.156	1125.044	20564.791	65471.560	82848.918	1493.828	25392.860	90886.634	4.688
2	20:28:28	34474.359	1229.740	20355.116	66787.004	83230.816	1523.519	25809.231	92424.579	1.563
3	20:29:36	34172.072	1175.048	20355.116	64937.883	82658.759	1598.527	25485.212	91308.059	4.688
x		34423.196	1176.611	20425.008	65732.149	82912.831	1538.625	25562.434	91539.757	3.646
σ		229.853	52.366	121.056	951.705	291.335	53.959	218.663	794.721	1.804
%RSD		0.668	4.451	0.593	1.448	0.351	3.507	0.855	0.868	49.487

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:27:20	8672.944	314.066	2820.591	3122.216	237.502	40634.270	425.006	28.125	31.250
2	20:28:28	8457.190	371.880	2984.687	3084.708	225.002	40078.015	375.005	29.688	29.688
3	20:29:36	8224.242	332.816	2709.632	3250.370	203.126	40143.824	381.255	17.188	37.500
x		8451.459	339.587	2838.303	3152.431	221.877	40285.370	393.755	25.000	32.813
σ		224.406	29.496	138.380	86.866	17.400	303.943	27.244	6.811	4.134
%RSD		2.655	8.686	4.875	2.756	7.842	0.754	6.919	27.243	12.599

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:27:20	106.250	56.250	178.126	98.959	12.500	26.042	156.772	12.500	13.021
2	20:28:28	87.500	34.375	185.939	85.938	14.063	23.958	157.813	6.250	8.854
3	20:29:36	98.438	54.688	178.126	94.792	14.063	21.875	146.355	10.417	7.813
x		97.396	48.438	180.730	93.229	13.542	23.958	153.647	9.722	9.896
σ		9.418	12.204	4.511	6.650	0.902	2.083	6.336	3.182	2.756
%RSD		9.670	25.194	2.496	7.133	6.662	8.696	4.124	32.733	27.850

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:27:20	14.063	7.813	9.375	3.125	14.063	0.000	191005.930	87.500	7.813
2	20:28:28	10.938	15.625	12.500	15.625	9.375	0.000	189371.900	101.563	7.813
3	20:29:36	3.125	10.938	10.938	3.125	9.375	0.000	187373.930	92.188	9.375
x		9.375	11.458	10.938	7.292	10.938	0.000	189250.590	93.750	8.333
σ		5.634	3.932	1.563	7.217	2.706	0.000	1819.037	7.160	0.902
%RSD		60.093	34.317	14.286	98.974	24.744	0.000	0.961	7.638	10.825

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:27:20	1.563	1.563	3.125	1.563	34.375	12.500	18.750	32.813	351067.590
2	20:28:28	1.563	1.563	12.500	1.563	35.938	37.500	23.438	59.375	348315.500
3	20:29:36	0.000	0.000	9.375	3.125	53.125	23.438	28.125	57.813	353946.710
x		1.042	1.042	8.333	2.083	41.146	24.479	23.438	50.000	351109.930
σ		0.902	0.902	4.774	0.902	10.404	12.533	4.688	14.905	2815.845
%RSD		86.603	86.603	57.282	43.301	25.285	51.197	20.000	29.811	0.802

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:27:20	364888.770	35.938	76.563	20.313	29.688	53.125	271811.480	18.750
2	20:28:28	362648.420	26.563	93.750	32.813	35.938	70.313	281843.720	18.750
3	20:29:36	367100.620	31.250	53.125	20.313	17.188	46.875	279595.500	23.438
x		364879.270	31.250	74.479	24.479	27.604	56.771	277750.240	20.313
σ		2226.114	4.688	20.393	7.217	9.547	12.137	5264.524	2.706
%RSD		0.610	15.000	27.380	29.482	34.586	21.378	1.895	13.323

C2339-01 MF4Q23 06/04/2011 08:34:06 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:35:15	26189.609	2.604	9626.680	459.382	104098350.000	10825056.000	1547746.900	1821451.000	1151.609
2	20:36:23	25547.824	2.604	9618.862	454.695	104451980.000	10835614.000	1533589.200	1797548.500	1128.170
3	20:37:30	25860.886	2.604	9709.549	406.256	104658700.000	10825433.000	1517899.100	1717008.200	1140.670
x		25866.106	2.604	9651.697	440.111	104403010.000	10828701.000	1533078.400	1778669.200	1140.150
σ		320.925	0.000	50.253	29.413	283368.220	5989.797	14930.437	54721.086	11.728
%RSD		1.241	0.000	0.521	6.683	0.271	0.055	0.974	3.077	1.029

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:35:15	3920764.900	2245.198	250669.160	318693.710	2366871.700	179921.230	3203947.100	91921.765	92.188
2	20:36:23	3874855.200	1922.868	246106.480	302896.180	2327618.400	170263.310	3135312.800	90671.613	73.438
3	20:37:30	3919977.100	2438.597	245659.830	297522.510	2328207.200	174969.670	3144565.900	90141.097	79.688
x		3905199.100	2202.221	247478.490	306370.800	2340899.100	175051.400	3161275.300	90911.491	81.771
σ		26281.495	260.537	2772.215	11004.985	22494.860	4829.477	37243.367	914.249	9.547
%RSD		0.673	11.831	1.120	3.592	0.961	2.759	1.178	1.006	11.675

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:35:15	60976.734	199931.510	41240.692	9035.669	435.944	38271.509	5177.501	215.627	656.265
2	20:36:23	64430.908	196080.240	42038.324	8530.671	442.194	36927.353	4924.286	159.376	606.263
3	20:37:30	68278.404	200695.230	42967.646	8788.640	440.632	38116.407	5046.204	165.626	685.954
x		64562.015	198902.330	42082.221	8784.994	439.590	37771.756	5049.330	180.209	649.494
σ		3652.600	2473.650	864.313	252.519	3.253	735.375	126.636	30.831	40.275
%RSD		5.658	1.244	2.054	2.874	0.740	1.947	2.508	17.108	6.201

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:35:15	953.157	459.382	651.577	738.040	210.939	224.481	332.816	156.251	8.333
2	20:36:23	900.028	423.444	564.074	817.211	210.939	257.294	333.337	159.376	9.896
3	20:37:30	875.027	425.006	642.202	856.276	271.878	275.003	312.503	153.126	9.896
x		909.404	435.944	619.284	803.842	231.252	252.259	326.219	156.251	9.375
σ		39.900	20.313	48.043	60.241	35.183	25.634	11.881	3.125	0.902
%RSD		4.387	4.660	7.758	7.494	15.214	10.162	3.642	2.000	9.623

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:35:15	46.875	89.063	50.000	51.563	100.000	0.000	156846.960	95.313	14.063
2	20:36:23	39.063	53.125	68.750	59.375	96.875	0.000	155088.860	68.750	29.688
3	20:37:30	43.750	64.063	51.563	73.438	92.188	3.125	154139.600	78.125	18.750
x		43.229	68.750	56.771	61.458	96.354	1.042	155358.470	80.729	20.833
σ		3.932	18.422	10.404	11.085	3.932	1.804	1373.667	13.471	8.018
%RSD		9.096	26.795	18.326	18.037	4.081	173.205	0.884	16.687	38.487

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:35:15	1.563	1.563	21.875	0.000	51.563	60.938	4045.885	6687.502	317522.750
2	20:36:23	1.563	1.563	17.188	3.125	45.313	48.438	3936.480	6603.088	311244.650
3	20:37:30	4.688	4.688	10.938	3.125	57.813	43.750	3952.109	6551.502	317709.650
x		2.604	2.604	16.667	2.083	51.563	51.042	3978.158	6614.031	315492.350
σ		1.804	1.804	5.487	1.804	6.250	8.885	59.172	68.657	3679.804
%RSD		69.282	69.282	32.924	86.603	12.121	17.407	1.487	1.038	1.166

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:35:15	331033.670	28.125	84.375	100.000	109.375	248.440	237303.150	13598.657
2	20:36:23	329737.010	26.563	84.375	96.875	101.563	221.877	235763.910	13647.140
3	20:37:30	332136.970	25.000	76.563	103.125	87.500	239.065	237744.780	13659.652
x		330969.220	26.563	81.771	100.000	99.480	236.460	236937.280	13635.150
σ		1201.277	1.563	4.511	3.125	11.085	13.472	1039.879	32.217
%RSD		0.363	5.882	5.516	3.125	11.143	5.697	0.439	0.236

C2339-02 MF4Q19 06/04/2011 08:42:01 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:43:09	25536.867	3.646	9540.685	445.319	109274650.000	27297695.000	3777801.600	4515056.600	3425.415
2	20:44:17	25925.065	3.125	9399.967	435.944	107979450.000	26610897.000	3794355.200	4476699.000	3377.077
3	20:45:25	25433.558	1.042	9603.227	429.694	108134700.000	26545042.000	3805261.900	4500016.600	3383.669
x		25631.830	2.604	9514.626	436.986	108462930.000	26817878.000	3792472.900	4497257.400	3395.387
σ		259.149	1.378	104.106	7.865	707240.460	416836.470	13826.574	19327.054	26.213
%RSD		1.011	52.915	1.094	1.800	0.652	1.554	0.365	0.430	0.772

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:43:09	4218356.200	2127.381	281405.520	319252.860	3106166.400	171628.470	2674025.700	78933.089	73.438
2	20:44:17	4205315.800	1929.537	280110.120	333449.840	3082992.000	164387.800	2672066.300	79253.607	67.188
3	20:45:25	4155378.300	1913.976	281786.360	348739.720	3088580.000	164152.660	2602292.400	77396.592	71.875
x		4193016.800	1990.298	281100.670	333814.140	3092579.400	166722.980	2649461.500	78527.763	70.834
σ		33241.602	118.972	878.717	14746.805	12093.811	4249.909	40861.328	992.645	3.253
%RSD		0.793	5.978	0.313	4.418	0.391	2.549	1.542	1.264	4.592

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:43:09	88484.122	719002.740	107466.770	25075.112	660.953	39195.885	4413.182	292.190	534.385
2	20:44:17	89921.178	701685.230	107860.340	24647.807	659.390	39669.063	4380.359	254.690	532.822
3	20:45:25	92305.060	706641.080	106405.740	24974.937	690.642	39897.824	4308.462	290.628	459.382
x		90236.787	709109.680	107244.280	24899.286	670.328	39587.591	4367.334	279.169	508.863
σ		1929.922	8918.778	752.388	223.472	17.609	357.992	53.561	21.214	42.859
%RSD		2.139	1.258	0.702	0.898	2.627	0.904	1.226	7.599	8.422

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:43:09	29297.198	14820.183	10403.787	1491.224	251.565	218.752	279.690	130.730	4.688
2	20:44:17	29441.244	14102.270	10014.446	1471.951	253.127	234.377	302.087	121.355	11.979
3	20:45:25	29674.538	14659.080	10247.424	1470.909	285.940	251.044	276.044	129.167	11.458
x		29470.993	14527.178	10221.886	1478.028	263.544	234.724	285.940	127.084	9.375
σ		190.421	376.694	195.923	11.440	19.411	16.149	14.101	5.023	4.068
%RSD		0.646	2.593	1.917	0.774	7.366	6.880	4.932	3.952	43.390

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:43:09	276.565	409.381	518.759	303.128	800.022	0.000	154502.870	78.125	14.063
2	20:44:17	278.128	493.759	484.383	335.941	760.958	0.000	152523.960	89.063	17.188
3	20:45:25	264.065	471.883	482.821	328.129	778.146	0.000	155156.780	90.625	21.875
x		272.919	458.341	495.321	322.399	779.709	0.000	154061.200	85.938	17.708
σ		7.708	43.789	20.313	17.140	19.579	0.000	1370.849	6.811	3.932
%RSD		2.824	9.554	4.101	5.317	2.511	0.000	0.890	7.925	22.205

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:43:09	3.125	3.125	23.438	3.125	245.315	67.188	3272.250	5769.915	310965.230
2	20:44:17	0.000	0.000	20.313	3.125	293.753	92.188	3319.136	5663.623	311281.380
3	20:45:25	0.000	0.000	9.375	3.125	240.627	98.438	3337.890	5866.829	314588.590
x		1.042	1.042	17.708	3.125	259.898	85.938	3309.758	5766.789	312278.400
σ		1.804	1.804	7.384	0.000	29.413	16.536	33.810	101.640	2006.918
%RSD		173.205	173.205	41.698	0.000	11.317	19.242	1.022	1.762	0.643

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:43:09	326642.120	17.188	57.813	3737.989	3300.381	7953.776	236618.500	19683.864
2	20:44:17	328203.870	10.938	57.813	3872.400	3420.722	8031.945	239633.760	20270.621
3	20:45:25	331009.690	17.188	59.375	3770.810	3381.650	7970.973	236305.570	20724.397
x		328618.560	15.104	58.333	3793.733	3367.584	7985.565	237519.270	20226.294
σ		2213.120	3.608	0.902	70.076	61.391	41.076	1837.871	521.681
%RSD		0.673	23.890	1.546	1.847	1.823	0.514	0.774	2.579

C2339-03 MF4Q26 06/04/2011 08:49:56 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:51:04	25718.442	3.646	10510.115	454.695	115918430.000	17709115.000	2496235.700	2964234.200	1975.272
2	20:52:12	25676.179	2.604	10164.552	489.071	116009460.000	17629675.000	2486480.500	3022242.200	2006.032
3	20:53:20	25806.100	2.083	10761.865	443.757	115187960.000	17764786.000	2479184.700	2930675.100	1890.750
x		25733.574	2.778	10478.844	462.508	115705290.000	17701192.000	2487300.300	2972383.900	1957.351
σ		66.269	0.796	299.881	23.646	450321.200	67903.247	8555.025	46324.366	59.694
%RSD		0.258	28.641	2.862	5.112	0.389	0.384	0.344	1.558	3.050

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:51:04	4111610.600	1273.761	258465.630	354231.770	2327687.100	144053.910	2560446.200	78219.807	64.063
2	20:52:12	3999263.800	1004.782	254466.670	356845.630	2255508.500	139244.070	2496426.300	76746.222	73.438
3	20:53:20	4048300.600	1078.140	260502.130	367437.230	2282126.400	139614.850	2519946.900	78519.884	85.938
x		4053058.300	1118.894	257811.480	359504.880	2288440.700	140970.940	2525606.500	77828.638	74.479
σ		56324.318	139.044	3070.443	6992.835	36501.241	2676.356	32383.034	949.331	10.975
%RSD		1.390	12.427	1.191	1.945	1.595	1.899	1.282	1.220	14.735

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:51:04	88339.481	298127.110	56740.584	12383.490	1542.271	44268.483	4181.862	206.251	243.752
2	20:52:12	90018.664	288391.220	56782.939	11976.894	1534.457	42936.302	3817.698	198.439	231.252
3	20:53:20	92668.338	294475.980	57085.705	11839.279	1584.463	42660.477	4091.211	226.564	268.753
x		90342.161	293664.770	56869.743	12066.554	1553.730	43288.421	4030.257	210.418	247.919
σ		2182.485	4918.375	188.224	282.968	26.900	859.891	189.580	14.518	19.094
%RSD		2.416	1.675	0.331	2.345	1.731	1.986	4.704	6.900	7.702

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:51:04	2422.080	1178.174	8228.932	1412.570	262.502	271.357	282.815	130.209	8.854
2	20:52:12	2278.307	1076.603	8228.932	1412.049	256.252	258.857	286.461	100.000	8.854
3	20:53:20	2347.068	1137.545	8011.621	1407.882	245.315	293.232	293.753	116.667	6.250
x		2349.152	1130.774	8156.495	1410.834	254.690	274.482	287.677	115.625	7.986
σ		71.909	51.123	125.465	2.569	8.700	17.400	5.569	15.131	1.504
%RSD		3.061	4.521	1.538	0.182	3.416	6.339	1.936	13.086	18.827

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:51:04	140.626	293.753	292.190	178.126	454.695	0.000	154321.240	84.375	28.125
2	20:52:12	159.376	270.315	257.815	139.063	473.445	0.000	154569.210	73.438	6.250
3	20:53:20	153.126	248.440	270.315	187.501	406.256	0.000	154340.190	68.750	10.938
x		151.042	270.836	273.440	168.230	444.799	0.000	154410.210	75.521	15.104
σ		9.547	22.661	17.400	25.691	34.671	0.000	138.021	8.018	11.517
%RSD		6.321	8.367	6.363	15.271	7.795	0.000	0.089	10.617	76.253

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:51:04	4.688	4.688	7.813	3.125	43.750	15.625	3791.128	6426.445	322098.490
2	20:52:12	0.000	0.000	23.438	3.125	51.563	35.938	3691.102	6299.826	322088.910
3	20:53:20	1.563	1.563	6.250	4.688	59.375	32.813	3838.016	6270.126	317064.300
x		2.083	2.083	12.500	3.646	51.563	28.125	3773.415	6332.132	320417.230
σ		2.387	2.387	9.504	0.902	7.813	10.938	75.041	83.016	2903.730
%RSD		114.564	114.564	76.035	24.744	15.152	38.889	1.989	1.311	0.906

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:51:04	336379.840	12.500	46.875	139.063	104.688	254.690	242381.090	17859.594
2	20:52:12	334107.120	7.813	32.813	140.626	115.625	235.939	247454.460	18133.376
3	20:53:20	341577.580	17.188	51.563	115.625	87.500	251.565	246058.790	18346.148
x		337354.850	12.500	43.750	131.771	102.605	247.398	245298.120	18113.039
σ		3829.480	4.688	9.758	14.005	14.178	10.046	2620.830	243.913
%RSD		1.135	37.500	22.304	10.628	13.818	4.061	1.068	1.347

C2339-01X25 MF4Q23 06/04/2011 08:57:51 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:58:59	28299.878	3.646	643.765	309.378	4850410.800	509686.150	65787.067	78208.810	1125.044
2	21:00:07	28656.839	2.604	596.887	296.878	4701591.000	505754.210	66451.067	79658.977	1068.790
3	21:01:15	28570.729	1.042	690.642	314.066	4806391.700	497700.830	65628.528	78804.256	1071.915
x		28509.149	2.431	643.765	306.774	4786131.100	504380.390	65955.554	78890.681	1088.583
σ		186.278	1.311	46.877	8.885	76450.628	6109.624	436.387	728.936	31.615
%RSD		0.653	53.927	7.282	2.896	1.597	1.211	0.662	0.924	2.904

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:58:59	170634.890	1100.042	29704.287	75976.499	155957.610	8039.762	131366.860	87025.201	4.688
2	21:00:07	172641.600	1117.231	29422.455	76196.416	157929.090	7853.721	130535.860	86017.563	4.688
3	21:01:15	172507.180	1089.104	29748.129	76969.292	158014.410	8175.776	133202.490	88528.143	9.375
x		171927.890	1102.126	29624.957	76380.736	157300.370	8023.086	131701.740	87190.303	6.250
σ		1121.784	14.179	176.736	521.431	1163.645	161.674	1364.493	1263.407	2.706
%RSD		0.652	1.287	0.597	0.683	0.740	2.015	1.036	1.449	43.301

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:58:59	20740.044	9482.834	7914.692	3311.321	176.564	36114.341	551.573	6.250	65.625
2	21:00:07	20151.703	9579.773	7530.109	3320.698	190.626	36112.775	564.074	20.313	35.938
3	21:01:15	19032.983	9548.503	7475.393	3366.022	220.314	36468.364	517.197	7.813	35.938
x		19974.910	9537.037	7640.065	3332.680	195.835	36231.826	544.281	11.458	45.833
σ		867.154	49.477	239.403	29.252	22.336	204.849	24.274	7.708	17.140
%RSD		4.341	0.519	3.134	0.878	11.405	0.565	4.460	67.267	37.397

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:58:59	95.313	31.250	232.814	217.710	56.250	69.792	142.188	19.271	8.854
2	21:00:07	75.000	20.313	268.753	212.502	70.313	68.229	131.251	19.271	5.729
3	21:01:15	85.938	28.125	265.627	206.772	64.063	64.063	143.751	14.583	5.729
x		85.417	26.563	255.731	212.328	63.542	67.361	139.063	17.708	6.771
σ		10.166	5.634	19.908	5.471	7.046	2.962	6.811	2.706	1.804
%RSD		11.902	21.209	7.785	2.577	11.088	4.397	4.898	15.283	26.647

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:58:59	10.938	10.938	6.250	6.250	17.188	0.000	178369.140	78.125	4.688
2	21:00:07	14.063	17.188	7.813	9.375	20.313	1.563	180663.320	67.188	1.563
3	21:01:15	7.813	7.813	10.938	4.688	10.938	0.000	184095.790	81.250	1.563
x		10.938	11.979	8.333	6.771	16.146	0.521	181042.750	75.521	2.604
σ		3.125	4.774	2.387	2.387	4.774	0.902	2882.119	7.384	1.804
%RSD		28.571	39.849	28.641	35.251	29.565	173.205	1.592	9.778	69.282

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:58:59	4.688	4.688	1.563	3.125	20.313	10.938	182.814	282.815	346804.390
2	21:00:07	1.563	1.563	6.250	0.000	29.688	3.125	206.251	326.566	348374.730
3	21:01:15	0.000	0.000	0.000	4.688	31.250	7.813	154.688	292.190	347299.010
x		2.083	2.083	2.604	2.604	27.083	7.292	181.251	300.524	347492.710
σ		2.387	2.387	3.253	2.387	5.916	3.932	25.817	23.035	802.887
%RSD		114.564	114.564	124.900	91.652	21.842	53.927	14.244	7.665	0.231

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:58:59	366326.430	21.875	14.063	29.688	20.313	62.500	274993.390	637.514
2	21:00:07	356542.900	12.500	32.813	35.938	32.813	68.750	274373.840	612.513
3	21:01:15	366198.210	14.063	40.625	10.938	15.625	46.875	278226.980	614.076
x		363022.510	16.146	29.167	25.521	22.917	59.375	275864.740	621.368
σ		5611.876	5.023	13.651	13.010	8.885	11.267	2069.084	14.005
%RSD		1.546	31.109	46.805	50.980	38.770	18.977	0.750	2.254

C2339-02X25 MF4Q19 06/04/2011 09:05:47 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:06:54	28237.254	2.083	525.010	287.503	5059928.100	1245029.600	161356.140	197314.240	1103.168
2	21:08:03	27845.862	2.083	562.511	326.566	5001935.800	1247116.100	162636.150	197556.620	1092.229
3	21:09:11	28522.195	0.521	585.950	312.503	5051850.600	1252934.700	165122.240	197564.540	1039.100
x		28201.770	1.563	557.823	308.858	5037904.800	1248360.100	163038.180	197478.470	1078.166
σ		339.560	0.902	30.739	19.785	31410.823	4096.745	1914.969	142.279	34.271
%RSD		1.204	57.735	5.511	6.406	0.623	0.328	1.175	0.072	3.179

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:06:54	183195.260	1043.788	31290.481	68312.943	190442.230	6984.520	114044.030	86622.766	7.813
2	21:08:03	186606.170	1060.977	30842.633	65951.887	193976.810	7009.532	111528.970	85920.105	10.938
3	21:09:11	189983.060	1035.975	30961.640	63305.581	191180.120	6750.032	112694.320	87487.386	12.500
x		186594.830	1046.913	31031.585	65856.804	191866.390	6914.694	112755.770	86676.752	10.417
σ		3393.912	12.791	231.972	2505.035	1864.549	143.149	1258.652	785.034	2.387
%RSD		1.819	1.222	0.748	3.804	0.972	2.070	1.116	0.906	22.913

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:06:54	16697.252	33273.078	9018.471	3956.798	189.064	36665.743	507.822	21.875	29.688
2	21:08:03	16012.094	32646.636	9340.553	3953.672	192.189	36953.984	517.197	9.375	21.875
3	21:09:11	15855.669	33932.439	8954.368	3994.308	185.939	36888.189	487.508	14.063	37.500
x		16188.338	33284.051	9104.464	3968.259	189.064	36835.972	504.176	15.104	29.688
σ		447.618	642.972	206.956	22.613	3.125	151.049	15.176	6.315	7.813
%RSD		2.765	1.932	2.273	0.570	1.653	0.410	3.010	41.808	26.316

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:06:54	1387.567	646.890	740.644	194.272	62.500	52.604	130.730	12.500	7.813
2	21:08:03	1546.959	700.017	665.641	196.356	45.313	55.208	156.251	16.146	7.292
3	21:09:11	1468.826	732.831	710.955	208.856	45.313	57.292	144.792	14.583	7.292
x		1467.784	693.246	705.747	199.828	51.042	55.035	143.924	14.410	7.465
σ		79.701	43.369	37.772	7.887	9.923	2.349	12.783	1.829	0.301
%RSD		5.430	6.256	5.352	3.947	19.441	4.267	8.882	12.694	4.028

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:06:54	21.875	26.563	18.750	14.063	48.438	0.000	176440.720	85.938	9.375
2	21:08:03	15.625	23.438	26.563	23.438	35.938	0.000	180319.960	103.125	4.688
3	21:09:11	14.063	29.688	23.438	23.438	53.125	0.000	178964.010	84.375	6.250
x		17.188	26.563	22.917	20.313	45.833	0.000	178574.900	91.146	6.771
σ		4.134	3.125	3.932	5.413	8.885	0.000	1968.674	10.404	2.387
%RSD		24.052	11.765	17.159	26.647	19.385	0.000	1.102	11.414	35.251

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:06:54	4.688	4.688	0.000	0.000	29.688	7.813	134.376	242.190	345996.080
2	21:08:03	0.000	0.000	4.688	3.125	28.125	14.063	146.876	271.878	346356.220
3	21:09:11	0.000	0.000	1.563	0.000	43.750	10.938	167.188	275.003	346324.200
x		1.563	1.563	2.083	1.042	33.854	10.938	149.480	263.023	346225.500
σ		2.706	2.706	2.387	1.804	8.606	3.125	16.561	18.110	199.326
%RSD		173.205	173.205	114.564	173.205	25.420	28.571	11.079	6.885	0.058

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:06:54	357479.950	9.375	40.625	195.314	157.813	439.069	274249.610	920.342
2	21:08:03	365057.050	9.375	51.563	212.502	203.126	376.567	274961.540	903.154
3	21:09:11	357338.990	14.063	23.438	184.376	142.188	421.881	269106.300	968.783
x		359958.660	10.938	38.542	197.397	167.709	412.506	272772.480	930.760
σ		4415.898	2.706	14.178	14.178	31.651	32.288	3194.899	34.032
%RSD		1.227	24.744	36.786	7.182	18.873	7.827	1.171	3.656

CCV 06/04/2011 09:13:40 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:14:49	27565.632	32363.179	7353.455	403.131	25706773.000	18434174.000	2594787.100	3040415.600	4297371.400
2	21:15:56	28317.100	31959.668	7469.140	379.693	25344953.000	17985167.000	2513403.200	3001799.800	4140692.100
3	21:17:05	28340.584	32512.998	7555.122	354.692	25861886.000	18913523.000	2637224.200	3148565.900	4324348.400
x		28074.439	32278.615	7459.239	379.172	25637870.000	18444288.000	2581804.800	3063593.800	4254137.300
σ		440.796	286.194	101.198	24.224	265264.980	464261.010	62923.098	76078.857	99168.029
%RSD		1.570	0.887	1.357	6.389	1.035	2.517	2.437	2.483	2.331

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:14:49	97283.764	170211.130	19471.073	37731.011	9322176.400	47569.802	675342.910	83777.749	21250.168
2	21:15:56	96363.618	167300.490	18729.457	40682.846	9207864.500	47101.958	659650.220	87042.493	21204.788
3	21:17:05	100189.600	172894.630	19419.440	45519.280	9580584.300	49060.601	704286.800	85885.523	21627.296
x		97945.662	170135.420	19206.657	41311.046	9370208.400	47910.787	679759.980	85568.588	21360.751
σ		1997.028	2797.840	414.072	3931.953	190945.810	1022.875	22643.739	1655.287	231.947
%RSD		2.039	1.644	2.156	9.518	2.038	2.135	3.331	1.934	1.086

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:14:49	318390.180	303017.460	40808.203	1188498.500	888345.450	21312930.000	506835.840	365505.810	78508.886
2	21:15:56	310467.070	294110.750	40211.201	1200486.700	895230.960	21214306.000	498238.380	354955.660	75660.768
3	21:17:05	328095.160	312068.590	41331.579	1226493.900	920807.280	22059477.000	506685.380	371812.330	78936.232
x		318984.140	303065.600	40783.661	1205159.700	901461.230	21528905.000	503919.860	364091.270	77701.962
σ		8829.046	8979.012	560.592	19423.968	17104.235	462127.410	4920.887	8516.898	1780.593
%RSD		2.768	2.963	1.375	1.612	1.897	2.147	0.977	2.339	2.292

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:14:49	375083.700	186183.520	134418.490	45743.954	3128.468	3274.334	10254.200	4556.456	10.938
2	21:15:56	370404.590	185198.970	132335.110	45184.887	3219.113	3267.040	10194.782	4399.636	7.813
3	21:17:05	380691.660	190078.060	136718.290	47021.007	3292.567	3404.572	10423.593	4471.533	16.667
x		375393.320	187153.520	134490.630	45983.283	3213.382	3315.315	10290.858	4475.875	11.806
σ		5150.517	2580.123	2192.477	941.165	82.200	77.385	118.729	78.500	4.490
%RSD		1.372	1.379	1.630	2.047	2.558	2.334	1.154	1.754	38.037

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:14:49	56274.684	95500.964	101830.390	62600.923	157793.230	0.000	167597.690	6181.024	299322.020
2	21:15:56	55043.338	94359.039	99992.477	60633.088	151251.160	1.563	172399.640	6329.527	296391.550
3	21:17:05	57321.019	95908.367	105335.350	63266.345	160038.310	0.000	168747.040	6259.183	307149.620
x		56213.014	95256.123	102386.070	62166.785	156360.900	0.521	169581.460	6256.578	300954.400
σ		1140.092	803.159	2714.438	1369.258	4565.322	0.902	2507.363	74.286	5561.704
%RSD		2.028	0.843	2.651	2.203	2.920	173.205	1.479	1.187	1.848

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:14:49	4624.186	4624.186	276920.710	70328.941	177954.640	239970.590	190982.180	332459.980	312859.030
2	21:15:56	4469.449	4469.449	277976.870	68953.510	174529.960	242258.730	191017.020	327658.760	326108.250
3	21:17:05	4791.428	4791.428	286581.910	71776.740	178494.120	246863.120	199166.240	343926.690	326132.230
x		4628.354	4628.354	280493.170	70353.063	176992.910	243030.810	193721.810	334681.810	321699.840
σ		161.030	161.030	5299.387	1411.770	2149.960	3510.527	4715.044	8358.458	7656.371
%RSD		3.479	3.479	1.889	2.007	1.215	1.444	2.434	2.497	2.380

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:14:49	329597.920	325166.840	815000.000	257320.230	252877.890	585299.450	246066.740	1342742.900
2	21:15:56	342900.910	326891.470	825334.330	261331.120	251101.660	576287.700	250584.890	1333929.700
3	21:17:05	345154.210	333147.600	835871.250	266091.230	255298.500	589066.840	253340.670	1369723.500
x		339217.680	328401.970	825401.860	261580.860	253092.680	583551.330	249997.430	1348798.700
σ		8406.792	4199.323	10435.792	4390.829	2106.651	6566.473	3672.377	18649.498
%RSD		2.478	1.279	1.264	1.679	0.832	1.125	1.469	1.383

CCB 06/04/2011 09:21:33 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:22:41	28866.635	6.771	192.189	264.065	19572.774	1718.853	223.439	259.377	873.464
2	21:23:49	29056.081	7.813	146.876	270.315	22924.629	2529.912	360.942	342.192	940.656
3	21:24:57	29317.552	5.729	140.626	298.441	24976.502	3476.986	507.822	504.696	1128.170
x		29080.090	6.771	159.897	277.607	22491.302	2575.250	364.068	368.755	980.763
σ		226.415	1.042	28.140	18.311	2727.801	879.943	142.217	124.798	132.004
%RSD		0.779	15.385	17.599	6.596	12.128	34.169	39.063	33.843	13.459

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:22:41	2959.682	1189.112	20173.609	52455.504	61318.818	9.375	303.128	88150.821	6.250
2	21:23:49	2914.360	1218.802	20209.597	53725.837	62236.838	4.688	359.380	88902.331	3.125
3	21:24:57	3030.009	1151.609	20290.963	55827.623	62619.756	15.625	406.256	88848.875	6.250
x		2968.017	1186.508	20224.723	54002.988	62058.470	9.896	356.255	88634.009	5.208
σ		58.273	33.672	60.121	1703.058	668.559	5.487	51.635	419.306	1.804
%RSD		1.963	2.838	0.297	3.154	1.077	55.451	14.494	0.473	34.641

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:22:41	9792.418	390.630	3345.704	3244.118	173.439	37535.184	351.567	21.875	35.938
2	21:23:49	9475.016	315.628	3261.310	3161.287	210.939	38907.598	368.755	32.813	48.438
3	21:24:57	9023.161	334.379	3097.211	3433.225	267.190	39269.524	360.942	45.313	46.875
x		9430.198	346.879	3234.742	3279.544	217.189	38570.769	360.421	33.333	43.750
σ		386.582	39.032	126.359	139.387	47.187	914.918	8.606	11.727	6.811
%RSD		4.099	11.252	3.906	4.250	21.726	2.372	2.388	35.182	15.568

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:22:41	206.251	103.125	114.063	90.625	31.250	27.604	147.397	6.771	15.104
2	21:23:49	193.751	123.438	131.251	82.292	25.000	34.375	133.334	10.938	7.813
3	21:24:57	231.252	132.813	135.938	90.625	20.313	34.375	154.168	15.104	7.292
x		210.418	119.792	127.084	87.847	25.521	32.118	144.966	10.938	10.069
σ		19.094	15.176	11.517	4.811	5.487	3.909	10.627	4.167	4.368
%RSD		9.074	12.669	9.063	5.477	21.501	12.171	7.331	38.095	43.378

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:22:41	65.625	104.688	142.188	79.688	179.689	0.000	177737.900	101.563	14.063
2	21:23:49	51.563	89.063	107.813	51.563	126.563	0.000	180535.150	75.000	50.000
3	21:24:57	39.063	54.688	87.500	57.813	118.750	0.000	178028.990	117.188	51.563
x		52.083	82.813	112.500	63.021	141.667	0.000	178767.350	97.917	38.542
σ		13.289	25.579	27.644	14.768	33.158	0.000	1537.865	21.329	21.214
%RSD		25.515	30.888	24.572	23.434	23.406	0.000	0.860	21.783	55.042

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:22:41	0.000	0.000	25.000	6.250	242.190	382.818	14.063	20.313	338755.310
2	21:23:49	1.563	1.563	50.000	3.125	206.251	256.252	23.438	26.563	338592.130
3	21:24:57	0.000	0.000	73.438	12.500	184.376	201.564	39.063	53.125	337633.910
x		0.521	0.521	49.479	7.292	210.939	280.211	25.521	33.333	338327.110
σ		0.902	0.902	24.223	4.774	29.190	92.972	12.630	17.423	605.852
%RSD		173.205	173.205	48.956	65.465	13.838	33.179	49.487	52.268	0.179

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:22:41	354089.240	42.188	101.563	25.000	20.313	56.250	260012.070	118.750
2	21:23:49	347103.720	84.375	175.001	29.688	35.938	89.063	267234.140	140.626
3	21:24:57	354909.220	78.125	190.626	50.000	40.625	132.813	266802.750	220.314
x		352034.060	68.229	155.730	34.896	32.292	92.709	264682.990	159.897
σ		4289.436	22.768	47.556	13.289	10.636	38.411	4050.883	53.454
%RSD		1.218	33.370	30.538	38.082	32.936	41.432	1.530	33.430

C2339-03X25 MF4Q26 06/04/2011 09:29:25 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:30:33	29494.478	13.542	546.885	339.067	5478681.800	844041.400	107732.820	128599.670	2084.527
2	21:31:41	29247.096	13.021	601.575	318.754	5550670.200	845312.230	109711.860	131223.370	2300.185
3	21:32:49	28988.757	7.292	578.137	273.440	5462836.400	834074.570	110637.710	130141.660	1721.979
x		29243.444	11.285	575.532	310.420	5497396.100	841142.730	109360.800	129988.230	2035.564
σ		252.880	3.468	27.438	33.597	46812.000	6154.098	1483.923	1318.561	292.196
%RSD		0.865	30.731	4.767	10.823	0.852	0.732	1.357	1.014	14.355

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:30:33	183163.610	1190.675	31099.439	71472.093	165258.170	6442.077	108795.520	87537.693	20.313
2	21:31:41	186634.660	1151.609	30886.478	72301.250	164392.020	6459.272	106037.390	86979.612	14.063
3	21:32:49	185173.650	1182.862	30919.362	73416.290	162727.810	6409.250	105985.450	87382.057	15.625
x		184990.640	1175.048	30968.426	72396.544	164126.000	6436.867	106939.450	87299.787	16.667
σ		1742.750	20.672	114.646	975.595	1285.984	25.415	1607.608	287.993	3.253
%RSD		0.942	1.759	0.370	1.348	0.784	0.395	1.503	0.330	19.516

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:30:33	11657.880	14041.272	5183.753	3655.155	464.070	42712.194	693.767	132.813	31.250
2	21:31:41	11933.107	14329.058	5207.199	3908.347	512.509	43951.883	660.953	142.188	45.313
3	21:32:49	11961.255	14300.904	5343.187	3708.294	342.192	41599.543	656.265	70.313	29.688
x		11850.747	14223.745	5244.713	3757.265	439.590	42754.540	670.328	115.105	35.417
σ		167.620	158.652	86.083	133.511	87.758	1176.742	20.433	39.073	8.606
%RSD		1.414	1.115	1.641	3.553	19.964	2.752	3.048	33.946	24.298

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:30:33	287.503	132.813	514.072	152.084	25.000	31.250	144.272	15.104	13.021
2	21:31:41	292.190	143.751	501.571	148.959	42.188	42.188	168.751	22.917	8.854
3	21:32:49	204.689	95.313	485.946	133.334	28.125	30.729	150.522	17.188	8.854
x		261.461	123.959	500.530	144.792	31.771	34.722	154.515	18.403	10.243
σ		49.222	25.404	14.092	10.046	9.155	6.470	12.719	4.046	2.406
%RSD		18.826	20.494	2.815	6.938	28.817	18.635	8.231	21.983	23.485

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:30:33	39.063	71.875	70.313	29.688	106.250	1.563	178824.780	110.938	53.125
2	21:31:41	40.625	73.438	64.063	48.438	121.876	0.000	184933.060	103.125	35.938
3	21:32:49	35.938	40.625	42.188	34.375	76.563	0.000	182016.270	90.625	14.063
x		38.542	61.979	58.854	37.500	101.563	0.521	181924.700	101.563	34.375
σ		2.387	18.510	14.768	9.758	23.017	0.902	3055.170	10.246	19.578
%RSD		6.193	29.865	25.093	26.021	22.663	173.205	1.679	10.088	56.954

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:30:33	1.563	1.563	48.438	21.875	123.438	139.063	235.939	403.131	341055.960
2	21:31:41	3.125	3.125	35.938	12.500	115.625	128.126	259.377	384.380	344184.350
3	21:32:49	0.000	0.000	28.125	12.500	92.188	96.875	181.251	335.941	344315.580
x		1.563	1.563	37.500	15.625	110.417	121.355	225.523	374.484	343185.300
σ		1.563	1.563	10.246	5.413	16.263	21.894	40.091	34.671	1845.226
%RSD		100.000	100.000	27.323	34.641	14.729	18.041	17.777	9.258	0.538

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:30:33	354523.240	148.438	382.818	120.313	117.188	235.939	271566.260	1021.912
2	21:31:41	360605.480	120.313	348.442	107.813	125.001	253.127	265048.680	1123.482
3	21:32:49	362436.900	67.188	160.938	54.688	76.563	128.126	269954.900	1006.285
x		359188.540	111.980	297.399	94.271	106.250	205.731	268856.610	1050.560
σ		4142.738	41.261	119.422	34.845	26.005	67.755	3394.760	63.634
%RSD		1.153	36.847	40.155	36.963	24.476	32.934	1.263	6.057

C2339-04 MF4Q27 06/04/2011 09:37:18 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:38:26	26477.640	6.250	10294.333	529.697	109242960.000	16431219.000	2283559.300	2734863.900	3015.943
2	21:39:35	26145.779	7.813	10186.443	570.324	108101470.000	16326706.000	2276130.100	2707272.900	2797.149
3	21:40:43	26219.351	4.167	10222.406	560.949	106635700.000	16426906.000	2283322.200	2708096.900	2712.758
x		26280.923	6.076	10234.394	553.657	107993380.000	16394944.000	2281003.900	2716744.600	2841.950
σ		174.288	1.829	54.935	21.272	1306986.200	59134.696	4222.445	15697.202	156.479
%RSD		0.663	30.102	0.537	3.842	1.210	0.361	0.185	0.578	5.506

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:38:26	3982421.200	929.201	263079.970	366741.570	2103031.600	128065.210	2325715.400	80325.192	70.313
2	21:39:35	3913744.400	1400.470	266479.620	362020.290	2082776.100	128667.460	2310706.000	77938.589	56.250
3	21:40:43	3846005.200	1293.768	259135.420	349998.070	2051530.100	130111.710	2298070.800	78502.602	71.875
x		3914056.900	1207.813	262898.340	359586.640	2079112.600	128948.130	2311497.400	78922.128	66.146
σ		68208.548	247.113	3675.470	8632.971	25945.457	1051.719	13839.248	1247.385	8.606
%RSD		1.743	20.460	1.398	2.401	1.248	0.816	0.599	1.581	13.010

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:38:26	74355.504	274878.720	49941.832	12014.425	2368.946	46865.811	3953.672	250.002	248.440
2	21:39:35	76955.154	272523.290	50697.612	11847.098	2215.797	47508.554	4024.004	243.752	282.815
3	21:40:43	77992.004	269262.320	50653.707	11467.100	2115.782	45697.974	3855.208	248.440	292.190
x		76434.221	272221.440	50431.050	11776.208	2233.508	46690.779	3944.295	247.398	274.482
σ		1873.383	2820.337	424.244	280.464	127.508	917.892	84.788	3.253	23.035
%RSD		2.451	1.036	0.841	2.382	5.709	1.966	2.150	1.315	8.392

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:38:26	725.018	375.005	9204.527	1218.281	204.689	227.085	277.607	127.084	8.854
2	21:39:35	714.080	321.879	9162.312	1310.477	245.315	211.981	294.274	140.105	8.854
3	21:40:43	745.332	339.067	9307.719	1259.431	231.252	242.190	264.065	117.709	10.417
x		728.144	345.317	9224.853	1262.730	227.085	227.085	278.649	128.299	9.375
σ		15.858	27.109	74.804	46.186	20.631	15.104	15.131	11.247	0.902
%RSD		2.178	7.850	0.811	3.658	9.085	6.651	5.430	8.767	9.623

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:38:26	120.313	168.751	190.626	107.813	326.566	0.000	160084.130	93.750	37.500
2	21:39:35	146.876	196.876	187.501	117.188	284.378	0.000	159115.590	78.125	15.625
3	21:40:43	132.813	179.689	204.689	137.501	332.816	0.000	157376.170	68.750	25.000
x		133.334	181.772	194.272	120.834	314.587	0.000	158858.630	80.209	26.042
σ		13.289	14.178	9.156	15.176	26.348	0.000	1372.148	12.630	10.975
%RSD		9.967	7.800	4.713	12.559	8.375	0.000	0.864	15.746	42.143

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:38:26	3.125	3.125	31.250	21.875	103.125	98.438	3566.070	6290.447	332149.760
2	21:39:35	0.000	0.000	21.875	17.188	96.875	96.875	3572.322	6213.851	327004.970
3	21:40:43	1.563	1.563	10.938	7.813	98.438	48.438	3416.033	6112.245	326264.890
x		1.563	1.563	21.354	15.625	99.480	81.250	3518.142	6205.514	328473.210
σ		1.563	1.563	10.166	7.160	3.253	28.427	88.484	89.393	3205.420
%RSD		100.000	100.000	47.608	45.826	3.270	34.987	2.515	1.441	0.976

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:38:26	343579.420	71.875	150.001	439.069	343.754	846.900	252334.030	16384.390
2	21:39:35	344779.700	54.688	134.376	400.006	320.316	776.584	251588.230	15472.437
3	21:40:43	344104.330	40.625	114.063	423.444	306.253	821.899	247890.040	16019.915
x		344154.480	55.729	132.813	420.840	323.441	815.127	250604.100	15958.914
σ		601.709	15.651	18.020	19.662	18.945	35.644	2379.838	459.027
%RSD		0.175	28.084	13.568	4.672	5.857	4.373	0.950	2.876

C2339-05 MF4Q28 06/04/2011 09:45:12 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:46:20	27121.032	3.125	11745.451	457.820	109474250.000	19156711.000	2744246.000	3282443.700	2063.159
2	21:47:28	27130.425	3.125	11948.745	423.444	108252900.000	18764064.000	2658508.300	3132392.600	2225.751
3	21:48:36	26418.155	2.604	11923.724	375.005	108557360.000	18949535.000	2716356.100	3213752.400	1788.511
x		26889.871	2.951	11872.640	418.756	108761500.000	18956770.000	2706370.200	3209529.600	2025.807
σ		408.545	0.301	110.857	41.606	635753.760	196423.190	43732.461	75114.649	221.000
%RSD		1.519	10.189	0.934	9.936	0.585	1.036	1.616	2.340	10.909

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:46:20	4387561.100	1760.591	293452.100	296616.460	2365212.900	144502.150	2645661.300	79515.996	95.313
2	21:47:28	4316952.900	1982.888	281928.180	285400.810	2347101.800	145540.740	2619461.400	80432.040	85.938
3	21:48:36	4365100.000	1951.767	284331.360	286672.770	2344732.800	141947.040	2545607.600	78595.297	93.750
x		4356538.000	1898.415	286570.550	289563.340	2352349.200	143996.640	2603576.800	79514.445	91.667
σ		36074.373	120.369	6079.530	6141.194	11203.109	1849.413	51883.789	918.373	5.023
%RSD		0.828	6.341	2.121	2.121	0.476	1.284	1.993	1.155	5.479

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:46:20	79753.251	150153.740	36363.409	7486.336	537.510	40505.781	4341.285	203.126	253.127
2	21:47:28	81093.577	146694.640	36563.920	7084.569	543.760	39294.593	4036.508	209.377	268.753
3	21:48:36	82599.040	149481.120	37850.076	7411.297	465.633	39147.315	4169.358	212.502	276.565
x		81148.623	148776.500	36925.802	7327.401	515.634	39649.230	4182.383	208.335	266.148
σ		1423.693	1834.040	806.699	213.619	43.415	745.442	152.805	4.774	11.934
%RSD		1.754	1.233	2.185	2.915	8.420	1.880	3.654	2.291	4.484

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:46:20	1414.133	707.830	1753.233	1397.464	239.065	236.981	317.712	149.480	6.771
2	21:47:28	1415.695	715.643	1776.673	1339.646	239.065	270.315	321.358	130.209	10.417
3	21:48:36	1428.196	654.703	1725.104	1412.570	225.002	245.315	325.004	161.459	11.458
x		1419.341	692.725	1751.670	1383.227	234.377	250.870	321.358	147.049	9.549
σ		7.708	33.159	25.820	38.490	8.119	17.348	3.646	15.766	2.461
%RSD		0.543	4.787	1.474	2.783	3.464	6.915	1.135	10.722	25.777

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:46:20	187.501	260.940	285.940	189.064	429.694	0.000	156072.920	78.125	17.188
2	21:47:28	153.126	250.002	295.316	182.814	406.256	3.125	155649.590	85.938	25.000
3	21:48:36	195.314	271.878	232.814	193.751	421.881	1.563	150081.110	87.500	10.938
x		178.647	260.940	271.357	188.543	419.277	1.563	153934.540	83.854	17.708
σ		22.445	10.938	33.706	5.487	11.934	1.563	3343.878	5.023	7.046
%RSD		12.564	4.192	12.421	2.910	2.846	100.000	2.172	5.990	39.788

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:46:20	0.000	0.000	28.125	3.125	56.250	50.000	3639.526	6354.538	319214.520
2	21:47:28	3.125	3.125	21.875	7.813	76.563	43.750	3622.334	6005.950	317200.080
3	21:48:36	1.563	1.563	20.313	4.688	53.125	57.813	3609.831	6302.953	321730.970
x		1.563	1.563	23.438	5.208	61.979	50.521	3623.897	6221.147	319381.860
σ		1.563	1.563	4.134	2.387	12.726	7.046	14.909	188.142	2270.079
%RSD		100.000	100.000	17.638	45.826	20.532	13.946	0.411	3.024	0.711

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:46:20	341027.160	25.000	62.500	79.688	65.625	160.938	245532.670	19654.136
2	21:47:28	335488.940	14.063	50.000	62.500	70.313	157.813	245380.080	19722.980
3	21:48:36	335017.120	23.438	54.688	59.375	53.125	148.438	235670.200	19852.848
x		337177.740	20.833	55.729	67.188	63.021	155.730	242194.320	19743.321
σ		3342.030	5.916	6.315	10.938	8.885	6.505	5650.565	100.906
%RSD		0.991	28.395	11.331	16.279	14.098	4.177	2.333	0.511

C2339-06 MF4Q30 06/04/2011 09:53:05 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:54:13	26701.493	5.729	11551.543	423.444	116594590.000	17478595.000	2421832.200	2934782.000	978.158
2	21:55:21	27124.163	3.125	12550.823	482.821	119360270.000	18236700.000	2509999.700	3001454.000	1026.087
3	21:56:29	27044.325	5.729	12755.692	431.257	121367980.000	18322154.000	2549556.200	3032436.800	538.311
x		26956.660	4.861	12286.020	445.840	119107620.000	18012483.000	2493796.000	2989557.600	847.519
σ		224.558	1.504	644.270	32.263	2396702.100	464330.750	65385.569	49902.499	268.852
%RSD		0.833	30.929	5.244	7.237	2.012	2.578	2.622	1.669	31.722

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:54:13	3861395.900	1564.970	284567.240	344792.500	2544603.300	145693.850	2596992.400	78631.433	65.625
2	21:55:21	3959061.600	1389.356	296389.950	364055.410	2592443.600	146491.010	2655629.400	79709.256	59.375
3	21:56:29	3932151.700	1182.619	298032.980	381572.510	2643207.400	165575.590	2696006.600	91393.705	67.188
x		3917536.400	1378.982	292996.720	363473.470	2593418.100	152586.820	2649542.800	83244.798	64.063
σ		50446.532	191.386	7346.230	18396.906	49309.269	11255.667	49786.932	7077.707	4.134
%RSD		1.288	13.879	2.507	5.061	1.901	7.377	1.879	8.502	6.453

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:54:13	83518.425	186306.990	42124.515	9012.217	487.508	47403.518	4184.988	198.439	185.939
2	21:55:21	88135.099	189946.640	44461.268	9360.878	389.068	47983.575	4341.285	212.502	235.939
3	21:56:29	90674.354	193712.320	45241.838	9310.846	451.570	47452.116	4244.380	195.314	220.314
x		87442.626	189988.650	43942.540	9227.980	442.715	47613.070	4256.884	202.085	214.064
σ		3627.874	3702.846	1622.108	188.524	49.814	321.786	78.895	9.156	25.580
%RSD		4.149	1.949	3.691	2.043	11.252	0.676	1.853	4.531	11.950

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:54:13	2047.022	976.596	1170.360	1312.560	246.877	277.086	333.337	153.126	14.583
2	21:55:21	1918.879	918.780	1204.738	1407.361	260.940	259.898	344.796	154.688	11.979
3	21:56:29	1881.374	1021.912	1212.552	1405.798	279.690	284.378	335.941	152.605	11.458
x		1949.092	972.429	1195.883	1375.240	262.502	273.787	338.025	153.473	12.674
σ		86.858	51.692	22.446	54.288	16.462	12.569	6.007	1.084	1.674
%RSD		4.456	5.316	1.877	3.948	6.271	4.591	1.777	0.706	13.210

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:54:13	148.438	257.815	235.939	173.439	350.004	0.000	158300.360	92.188	25.000
2	21:55:21	139.063	235.939	206.251	162.501	382.818	0.000	159485.300	76.563	17.188
3	21:56:29	125.001	228.127	290.628	135.938	409.381	0.000	153026.170	73.438	18.750
x		137.501	240.627	244.273	157.293	380.734	0.000	156937.280	80.729	20.313
σ		11.797	15.389	42.801	19.285	29.743	0.000	3438.547	10.046	4.134
%RSD		8.579	6.395	17.522	12.261	7.812	0.000	2.191	12.443	20.352

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:54:13	4.688	4.688	35.938	3.125	76.563	39.063	3209.736	5554.204	321799.680
2	21:55:21	3.125	3.125	12.500	6.250	64.063	42.188	3326.950	5554.204	326893.070
3	21:56:29	3.125	3.125	17.188	6.250	62.500	59.375	3111.276	5894.966	321582.370
x		3.646	3.646	21.875	5.208	67.708	46.875	3215.987	5667.792	323425.040
σ		0.902	0.902	12.402	1.804	7.708	10.938	107.973	196.739	3005.367
%RSD		24.744	24.744	56.695	34.641	11.384	23.333	3.357	3.471	0.929

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:54:13	342995.320	25.000	53.125	451.570	389.068	954.719	248422.610	18790.475
2	21:55:21	345887.240	15.625	50.000	464.070	392.193	1020.349	250203.290	19497.671
3	21:56:29	345067.780	10.938	42.188	535.948	420.319	989.097	247225.550	19641.618
x		344650.110	17.188	48.438	483.862	400.526	988.055	248617.150	19309.922
σ		1490.516	7.160	5.634	45.538	17.212	32.827	1498.370	455.575
%RSD		0.432	41.660	11.631	9.411	4.297	3.322	0.603	2.359

C2339-07 MF4Q31 06/04/2011 10:00:59 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:02:07	25449.211	3.125	10849.431	451.570	109743920.000	16049209.000	2289352.300	2659254.500	896.453
2	22:03:15	24882.589	1.042	10718.082	462.507	111079460.000	16222356.000	2278875.300	2661818.100	1151.609
3	22:04:23	25637.046	5.208	10649.280	415.631	109595020.000	16110041.000	2255023.800	2733412.400	1142.233
x		25322.948	3.125	10738.931	443.236	110139470.000	16127202.000	2274417.100	2684828.300	1063.432
σ		392.757	2.083	101.691	24.524	817457.140	87840.144	17593.138	42094.555	144.684
%RSD		1.551	66.667	0.947	5.533	0.742	0.545	0.774	1.568	13.605

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:02:07	3504452.900	1229.302	269458.150	336776.520	2223770.000	118120.700	2175467.600	76449.324	62.500
2	22:03:15	3542686.800	793.600	264396.130	340967.960	2192828.700	118828.090	2174991.800	76290.667	76.563
3	22:04:23	3574438.300	655.776	272446.850	350568.040	2243317.600	119776.590	2204917.900	78406.765	48.438
x		3540526.000	892.892	268767.040	342770.840	2219972.100	118908.460	2185125.800	77048.919	62.500
σ		35042.683	299.378	4069.616	7070.309	25457.777	830.865	17142.119	1178.602	14.063
%RSD		0.990	33.529	1.514	2.063	1.147	0.699	0.784	1.530	22.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:02:07	83631.584	403561.400	67699.094	15725.838	481.258	41507.087	3353.519	160.938	162.501
2	22:03:15	86148.034	408177.300	69649.059	15692.990	453.132	41308.074	3406.656	112.500	173.439
3	22:04:23	88962.076	405856.300	69708.724	15528.748	553.136	42075.935	3289.441	139.063	143.751
x		86247.231	405865.000	69018.959	15649.192	495.842	41630.365	3349.872	137.501	159.897
σ		2666.630	2307.962	1143.426	105.593	51.572	398.498	58.693	24.257	15.014
%RSD		3.092	0.569	1.657	0.675	10.401	0.957	1.752	17.641	9.390

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:02:07	2501.782	1246.929	1618.842	1392.255	257.815	258.857	328.650	131.251	7.292
2	22:03:15	2483.028	1170.360	1492.265	1403.715	271.878	244.794	328.129	125.521	7.292
3	22:04:23	2400.202	1206.301	1600.090	1438.614	243.752	268.753	321.358	146.355	9.375
x		2461.671	1207.864	1570.399	1411.528	257.815	257.468	326.045	134.376	7.986
σ		54.053	38.308	68.312	24.147	14.063	12.040	4.068	10.763	1.203
%RSD		2.196	3.172	4.350	1.711	5.455	4.676	1.248	8.009	15.061

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:02:07	117.188	193.751	207.814	139.063	360.942	0.000	154891.420	85.938	21.875
2	22:03:15	117.188	196.876	175.001	140.626	373.442	0.000	155362.110	64.063	20.313
3	22:04:23	142.188	195.314	212.502	121.876	318.754	0.000	156591.050	76.563	12.500
x		125.521	195.314	198.439	133.855	351.046	0.000	155614.860	75.521	18.229
σ		14.434	1.563	20.433	10.404	28.656	0.000	877.551	10.975	5.023
%RSD		11.499	0.800	10.297	7.772	8.163	0.000	0.564	14.532	27.553

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:02:07	1.563	1.563	15.625	3.125	34.375	48.438	3392.590	5913.724	325684.690
2	22:03:15	1.563	1.563	15.625	1.563	35.938	50.000	3237.867	5699.574	330907.360
3	22:04:23	1.563	1.563	14.063	1.563	31.250	32.813	3339.453	5738.652	332095.390
x		1.563	1.563	15.104	2.083	33.854	43.750	3323.303	5783.984	329562.480
σ		0.000	0.000	0.902	0.902	2.387	9.504	78.616	114.045	3410.397
%RSD		0.000	0.000	5.973	43.301	7.050	21.724	2.366	1.972	1.035

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:02:07	349346.470	12.500	32.813	46.875	46.875	95.313	255538.680	16839.607
2	22:03:15	347143.740	10.938	23.438	31.250	35.938	67.188	252834.950	17285.451
3	22:04:23	351719.260	14.063	32.813	57.813	35.938	85.938	256605.990	17986.316
x		349403.160	12.500	29.688	45.313	39.583	82.813	254993.210	17370.458
σ		2288.288	1.563	5.413	13.350	6.315	14.321	1943.794	578.061
%RSD		0.655	12.500	18.232	29.462	15.953	17.293	0.762	3.328

C2339-08 MF4Q60 06/04/2011 10:08:53 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:10:01	26496.424	2.604	11706.357	439.069	120188530.000	18143388.000	2533209.900	2971286.700	1225.053
2	22:11:09	26253.790	3.646	11515.577	393.755	121932410.000	17908000.000	2508937.200	2986066.200	1131.295
3	22:12:17	27362.116	2.083	12078.542	415.631	123836740.000	18445550.000	2628252.100	3118183.000	1201.862
x		26704.110	2.778	11766.825	416.152	121985890.000	18165646.000	2556799.700	3025178.600	1186.070
σ		582.621	0.796	286.312	22.661	1824697.800	269465.150	63058.448	80882.435	48.833
%RSD		2.182	28.641	2.433	5.445	1.496	1.483	2.466	2.674	4.117

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:10:01	3723764.600	926.978	276965.320	406306.330	2618894.300	145985.870	2661568.700	77979.436	43.750
2	22:11:09	3728936.100	806.938	268510.880	399065.840	2552782.500	147237.690	2652071.600	77126.386	56.250
3	22:12:17	3788695.700	924.755	275716.510	404930.580	2654692.600	150625.860	2706887.300	79154.623	73.438
x		3747132.100	886.224	273730.900	403434.250	2608789.800	147949.810	2673509.200	78086.815	57.813
σ		36087.850	68.673	4563.591	3845.180	51701.013	2400.563	29293.703	1018.373	14.905
%RSD		0.963	7.749	1.667	0.953	1.982	1.623	1.096	1.304	25.782

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:10:01	87124.239	184415.500	43125.934	9041.923	478.133	47372.164	3883.340	207.814	259.377
2	22:11:09	88940.065	179725.030	43900.162	8726.102	459.382	47204.423	3838.016	193.751	214.064
3	22:12:17	94088.513	185990.400	45580.412	8951.241	490.633	48392.764	4084.959	203.126	246.877
x		90050.939	183376.980	44202.169	8906.422	476.050	47656.450	3935.438	201.564	240.106
σ		3612.590	3259.234	1254.799	162.611	15.729	643.158	131.457	7.160	23.403
%RSD		4.012	1.777	2.839	1.826	3.304	1.350	3.340	3.552	9.747

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:10:01	5468.234	2648.683	2122.033	1387.047	246.877	287.503	340.629	135.417	7.292
2	22:11:09	5588.593	2787.772	2214.234	1367.774	237.502	294.274	342.712	146.876	7.813
3	22:12:17	5654.244	2784.646	2114.219	1342.251	273.440	294.274	338.025	158.855	6.771
x		5570.357	2740.367	2150.162	1365.690	252.606	292.017	340.455	147.049	7.292
σ		94.336	79.416	55.626	22.471	18.642	3.909	2.349	11.720	0.521
%RSD		1.694	2.898	2.587	1.645	7.380	1.339	0.690	7.970	7.143

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:10:01	150.001	200.001	223.439	146.876	351.567	1.563	156869.070	57.813	20.313
2	22:11:09	120.313	243.752	212.502	128.126	343.754	0.000	155156.780	75.000	31.250
3	22:12:17	129.688	226.564	214.064	165.626	356.254	1.563	157025.470	68.750	14.063
x		133.334	223.439	216.668	146.876	350.525	1.042	156350.440	67.188	21.875
σ		15.176	22.042	5.916	18.750	6.315	0.902	1036.695	8.700	8.700
%RSD		11.382	9.865	2.730	12.766	1.802	86.603	0.663	12.948	39.770

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:10:01	1.563	1.563	25.000	4.688	115.625	42.188	3728.612	6359.228	331689.240
2	22:11:09	3.125	3.125	26.563	3.125	101.563	40.625	3600.454	6384.239	335855.210
3	22:12:17	1.563	1.563	18.750	6.250	125.001	42.188	3694.228	6407.687	345487.110
x		2.083	2.083	23.438	4.688	114.063	41.667	3674.431	6383.718	337677.190
σ		0.902	0.902	4.134	1.563	11.797	0.902	66.333	24.234	7077.073
%RSD		43.301	43.301	17.638	33.333	10.342	2.165	1.805	0.380	2.096

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:10:01	352308.520	12.500	37.500	907.841	832.837	1900.126	257549.300	20281.574
2	22:11:09	359950.200	3.125	29.688	954.719	800.022	1895.438	262088.560	20270.621
3	22:12:17	363345.490	12.500	28.125	954.719	853.150	1864.184	265029.580	20810.459
x		358534.730	9.375	31.771	939.093	828.670	1886.583	261555.810	20454.218
σ		5652.993	5.413	5.023	27.065	26.808	19.539	3768.487	308.562
%RSD		1.577	57.735	15.809	2.882	3.235	1.036	1.441	1.509

C2339-04X25 MF4Q27 06/04/2011 10:16:48 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:17:56	29737.168	2.083	876.589	339.067	5194199.600	795222.690	104101.360	122373.460	1321.936
2	22:19:04	29187.599	3.125	800.022	293.753	5059282.300	768776.300	101934.250	123400.990	1264.118
3	22:20:12	29085.829	2.083	770.333	278.128	5120325.600	785653.380	101822.520	120220.930	1271.932
x		29336.866	2.431	815.648	303.649	5124602.500	783217.460	102619.380	121998.460	1285.995
σ		350.387	0.601	54.824	31.652	67560.259	13390.412	1284.648	1622.861	31.370
%RSD		1.194	24.744	6.722	10.424	1.318	1.710	1.252	1.330	2.439

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:17:56	169039.530	942.219	29895.310	64601.990	148838.520	6146.635	100475.540	87108.519	12.500
2	22:19:04	169028.470	1023.474	29189.165	61491.433	149549.010	5998.134	98054.110	86679.358	6.250
3	22:20:12	170739.260	1064.102	29276.844	58999.708	149997.420	5988.755	98496.198	86500.152	6.250
x		169602.420	1009.932	29453.773	61697.710	149461.650	6044.508	99008.615	86762.676	8.333
σ		984.545	62.060	384.887	2806.832	584.369	88.569	1289.478	312.625	3.608
%RSD		0.581	6.145	1.307	4.549	0.391	1.465	1.302	0.360	43.301

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:17:56	22243.867	13201.409	8868.377	3475.423	307.816	37420.822	446.882	10.938	28.125
2	22:19:04	21380.049	12752.564	8194.537	3511.369	264.065	37881.409	481.258	12.500	28.125
3	22:20:12	20569.485	12702.520	8271.144	3494.177	296.878	38467.346	485.946	14.063	17.188
x		21397.800	12885.498	8444.686	3493.656	289.586	37923.192	471.362	12.500	24.479
σ		837.332	274.729	368.921	17.979	22.769	524.512	21.329	1.563	6.315
%RSD		3.913	2.132	4.369	0.515	7.862	1.383	4.525	12.500	25.797

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:17:56	67.188	23.438	606.263	243.231	89.063	75.521	135.417	16.146	9.375
2	22:19:04	53.125	40.625	626.576	230.731	70.313	71.354	144.792	14.063	10.938
3	22:20:12	71.875	28.125	570.324	252.086	68.750	69.271	158.334	12.500	11.979
x		64.063	30.729	601.054	242.016	76.042	72.049	146.181	14.236	10.764
σ		9.758	8.885	28.486	10.729	11.303	3.182	11.521	1.829	1.311
%RSD		15.232	28.913	4.739	4.433	14.865	4.417	7.882	12.848	12.177

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:17:56	14.063	9.375	14.063	15.625	18.750	0.000	177082.970	100.000	6.250
2	22:19:04	15.625	9.375	15.625	4.688	17.188	3.125	180886.430	103.125	6.250
3	22:20:12	10.938	9.375	7.813	1.563	17.188	0.000	180003.510	76.563	6.250
x		13.542	9.375	12.500	7.292	17.708	1.042	179324.300	93.229	6.250
σ		2.387	0.000	4.134	7.384	0.902	1.804	1990.619	14.518	0.000
%RSD		17.625	0.000	33.072	101.268	5.094	173.205	1.110	15.573	0.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:17:56	3.125	3.125	4.688	3.125	21.875	3.125	176.564	295.316	356102.430
2	22:19:04	0.000	0.000	1.563	4.688	28.125	4.688	159.376	275.003	355975.890
3	22:20:12	1.563	1.563	1.563	3.125	25.000	15.625	125.001	254.690	349713.090
x		1.563	1.563	2.604	3.646	25.000	7.813	153.647	275.003	353930.470
σ		1.563	1.563	1.804	0.902	3.125	6.811	26.255	20.313	3652.907
%RSD		100.000	100.000	69.282	24.744	12.500	87.178	17.088	7.386	1.032

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:17:56	369840.250	15.625	17.188	50.000	34.375	78.125	283980.740	707.830
2	22:19:04	365752.630	12.500	23.438	50.000	31.250	85.938	275577.930	692.204
3	22:20:12	363383.950	7.813	21.875	50.000	39.063	103.125	280228.030	737.519
x		366325.610	11.979	20.833	50.000	34.896	89.063	279928.900	712.518
σ		3266.066	3.932	3.253	0.000	3.932	12.790	4209.381	23.018
%RSD		0.892	32.825	15.613	0.000	11.268	14.360	1.504	3.231

C2339-05X25 MF4Q28 06/04/2011 10:24:43 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:25:51	29605.646	3.646	779.709	317.191	5507308.300	957758.810	123142.530	149980.050	1153.172
2	22:26:59	29646.355	2.604	776.584	300.003	5558640.700	948741.490	125514.600	149807.950	1190.675
3	22:28:07	30091.033	3.125	723.456	300.003	5553597.000	966864.690	126052.110	149539.530	1087.541
x		29781.011	3.125	759.916	305.732	5539848.600	957788.330	124903.080	149775.850	1143.796
σ		269.257	0.521	31.614	9.923	28293.404	9061.631	1548.190	222.008	52.202
%RSD		0.904	16.667	4.160	3.246	0.511	0.946	1.240	0.148	4.564

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:25:51	191906.950	1148.484	30919.362	66526.417	174499.910	7350.328	118508.270	86144.890	6.250
2	22:26:59	192127.070	1018.786	31287.349	70212.746	173710.690	7208.068	117049.440	86723.374	6.250
3	22:28:07	192869.790	1160.985	31122.928	72477.138	173864.110	7264.347	117310.950	87680.754	12.500
x		192301.270	1109.418	31109.879	69738.767	174024.900	7274.248	117622.880	86849.672	8.333
σ		504.503	78.738	184.340	3003.542	418.460	71.645	777.833	775.682	3.608
%RSD		0.262	7.097	0.593	4.307	0.240	0.985	0.661	0.893	43.301

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:25:51	17750.083	7286.233	6421.756	3314.447	185.939	38132.074	521.885	14.063	21.875
2	22:26:59	17335.512	7337.822	6376.423	3372.273	200.001	38312.243	489.071	9.375	26.563
3	22:28:07	17152.479	7072.063	6129.440	3336.327	206.251	39238.188	537.510	12.500	25.000
x		17412.691	7232.039	6309.206	3341.016	197.397	38560.835	516.155	11.979	24.479
σ		306.187	140.924	157.324	29.197	10.404	593.482	24.723	2.387	2.387
%RSD		1.758	1.949	2.494	0.874	5.270	1.539	4.790	19.924	9.750

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:25:51	117.188	57.813	200.001	206.772	73.438	64.583	151.042	19.271	7.292
2	22:26:59	115.625	46.875	217.189	208.856	71.875	49.479	163.022	21.354	10.938
3	22:28:07	100.000	64.063	137.501	202.085	68.750	54.167	172.918	15.104	11.979
x		110.938	56.250	184.897	205.904	71.354	56.076	162.327	18.576	10.069
σ		9.504	8.700	41.936	3.468	2.387	7.731	10.954	3.182	2.461
%RSD		8.567	15.466	22.681	1.684	3.345	13.787	6.748	17.131	24.444

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:25:51	20.313	26.563	18.750	9.375	31.250	0.000	180807.310	81.250	18.750
2	22:26:59	9.375	10.938	21.875	6.250	23.438	0.000	182771.130	87.500	15.625
3	22:28:07	15.625	18.750	18.750	10.938	29.688	0.000	183595.660	100.000	9.375
x		15.104	18.750	19.792	8.854	28.125	0.000	182391.370	89.584	14.583
σ		5.487	7.813	1.804	2.387	4.134	0.000	1432.441	9.547	4.774
%RSD		36.330	41.667	9.116	26.956	14.699	0.000	0.785	10.657	32.733

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:25:51	0.000	0.000	21.875	1.563	39.063	18.750	185.939	292.190	354869.180
2	22:26:59	0.000	0.000	15.625	1.563	37.500	14.063	192.189	331.254	365561.900
3	22:28:07	3.125	3.125	9.375	3.125	28.125	7.813	192.189	331.254	350705.730
x		1.042	1.042	15.625	2.083	34.896	13.542	190.105	318.233	357045.610
σ		1.804	1.804	6.250	0.902	5.916	5.487	3.608	22.553	7663.491
%RSD		173.205	173.205	40.000	43.301	16.952	40.522	1.898	7.087	2.146

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:25:51	377409.390	14.063	42.188	21.875	35.938	65.625	282705.820	920.342
2	22:26:59	371280.010	15.625	31.250	32.813	21.875	57.813	283085.100	987.534
3	22:28:07	374620.220	7.813	29.688	20.313	18.750	71.875	284511.450	942.219
x		374436.540	12.500	34.375	25.000	25.521	65.104	283434.120	950.032
σ		3068.819	4.134	6.811	6.811	9.155	7.046	952.072	34.271
%RSD		0.820	33.072	19.813	27.243	35.874	10.822	0.336	3.607

C2339-06X25 MF4Q30 06/04/2011 10:32:38 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:33:47	29295.632	1.042	684.391	343.754	5536744.800	830408.330	107362.860	130272.540	978.158
2	22:34:55	29167.245	3.125	800.022	339.067	5524632.400	825508.330	108420.810	130980.530	1050.039
3	22:36:03	29508.570	2.604	745.332	339.067	5581503.200	840016.770	107712.360	128505.070	956.282
x		29323.816	2.257	743.249	340.629	5547626.800	831977.810	107832.010	129919.380	994.826
σ		172.399	1.084	57.844	2.706	29956.416	7380.458	539.027	1274.955	49.050
%RSD		0.588	48.038	7.783	0.795	0.540	0.887	0.500	0.981	4.931

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:33:47	168791.310	1145.358	31691.363	70752.901	169833.240	6640.606	109282.020	87257.864	6.250
2	22:34:55	169970.800	1106.293	31937.222	72788.087	169355.750	6712.514	109899.230	86155.893	7.813
3	22:36:03	172497.690	1045.351	31818.207	71563.172	173291.590	6911.046	109935.440	86099.304	7.813
x		170419.930	1099.001	31815.597	71701.387	170826.860	6754.722	109705.570	86504.354	7.292
σ		1893.569	50.401	122.950	1024.609	2147.830	140.074	367.246	653.172	0.902
%RSD		1.111	4.586	0.386	1.429	1.257	2.074	0.335	0.755	12.372

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:33:47	14978.160	8948.114	5669.875	3409.782	173.439	38489.280	510.947	7.813	32.813
2	22:34:55	14630.926	8999.709	5705.827	3281.627	192.189	38628.718	525.010	9.375	17.188
3	22:36:03	14239.906	8697.960	5676.127	3361.333	204.689	38045.907	578.137	18.750	18.750
x		14616.331	8881.927	5683.943	3350.914	190.105	38387.969	538.031	11.979	22.917
σ		369.344	161.396	19.208	64.710	15.729	304.327	35.437	5.916	8.606
%RSD		2.527	1.817	0.338	1.931	8.274	0.793	6.586	49.382	37.552

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:33:47	142.188	73.438	185.939	176.043	39.063	44.792	169.793	8.854	8.854
2	22:34:55	110.938	68.750	150.001	194.272	46.875	46.354	152.605	11.979	10.417
3	22:36:03	109.375	68.750	159.376	175.001	54.688	52.604	157.813	18.750	7.813
x		120.834	70.313	165.105	181.772	46.875	47.917	160.070	13.194	9.028
σ		18.510	2.706	18.641	10.838	7.813	4.134	8.813	5.059	1.311
%RSD		15.318	3.849	11.291	5.962	16.667	8.627	5.506	38.339	14.519

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:33:47	18.750	10.938	20.313	1.563	28.125	0.000	181032.010	75.000	12.500
2	22:34:55	15.625	12.500	15.625	15.625	7.813	1.563	186041.060	114.063	6.250
3	22:36:03	15.625	18.750	23.438	4.688	26.563	0.000	183654.220	81.250	12.500
x		16.667	14.063	19.792	7.292	20.833	0.521	183575.760	90.104	10.417
σ		1.804	4.134	3.932	7.384	11.303	0.902	2505.447	20.983	3.608
%RSD		10.825	29.397	19.868	101.268	54.256	173.205	1.365	23.287	34.641

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:33:47	0.000	0.000	12.500	1.563	39.063	4.688	142.188	290.628	364879.150
2	22:34:55	0.000	0.000	14.063	0.000	29.688	4.688	160.938	264.065	364250.920
3	22:36:03	1.563	1.563	6.250	1.563	15.625	9.375	142.188	210.939	364534.590
x		0.521	0.521	10.938	1.042	28.125	6.250	148.438	255.211	364554.890
σ		0.902	0.902	4.134	0.902	11.797	2.706	10.825	40.576	314.607
%RSD		173.205	173.205	37.796	86.603	41.944	43.301	7.293	15.899	0.086

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:33:47	375043.610	20.313	45.313	48.438	34.375	87.500	289210.660	845.338
2	22:34:55	388300.190	4.688	26.563	42.188	46.875	81.250	295364.350	835.962
3	22:36:03	380078.780	14.063	31.250	31.250	39.063	92.188	286787.540	784.397
x		381140.860	13.021	34.375	40.625	40.104	86.979	290454.180	821.899
σ		6691.803	7.864	9.758	8.700	6.315	5.487	4421.557	32.814
%RSD		1.756	60.399	28.386	21.415	15.746	6.309	1.522	3.993

C2339-07X25 MF4Q31 06/04/2011 10:40:34 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:41:43	29397.404	1.563	707.830	292.190	5193034.200	754776.600	100300.880	120870.120	1059.414
2	22:42:51	29469.427	2.083	625.014	276.565	5167481.700	764034.900	100488.120	118013.570	973.471
3	22:43:59	29682.367	2.083	681.266	326.566	5352913.700	778722.530	97173.121	119716.720	1050.039
x		29516.399	1.910	671.370	298.441	5237809.900	765844.680	99320.708	119533.470	1027.641
σ		148.175	0.301	42.286	25.580	100498.270	12075.112	1862.219	1437.063	47.147
%RSD		0.502	15.746	6.298	8.571	1.919	1.577	1.875	1.202	4.588

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:41:43	162100.430	1165.673	30455.868	52891.482	157564.160	5859.014	92416.716	86151.177	4.688
2	22:42:51	164230.800	1121.919	30252.311	50730.541	157447.260	5374.448	92235.865	85874.519	3.125
3	22:43:59	160935.810	1118.794	30701.705	49106.130	156992.290	5710.516	92863.348	85533.420	9.375
x		162422.350	1135.462	30469.961	50909.384	157334.570	5647.993	92505.310	85853.039	5.729
σ		1670.919	26.210	225.029	1899.003	302.130	248.260	322.987	309.439	3.253
%RSD		1.029	2.308	0.739	3.730	0.192	4.396	0.349	0.360	56.773

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:41:43	13329.653	19131.552	6365.480	3792.691	171.876	39252.289	482.821	3.125	14.063
2	22:42:51	13190.462	19424.134	6207.598	3561.381	179.689	39278.925	457.820	15.625	15.625
3	22:43:59	12904.263	18881.219	6190.403	3702.042	143.751	38940.500	473.445	12.500	14.063
x		13141.459	19145.635	6254.494	3685.372	165.105	39157.238	471.362	10.417	14.583
σ		216.887	271.731	96.501	116.552	18.902	188.172	12.630	6.505	0.902
%RSD		1.650	1.419	1.543	3.163	11.448	0.481	2.679	62.450	6.186

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:41:43	154.688	79.688	270.315	176.043	48.438	47.396	147.397	15.625	8.333
2	22:42:51	167.188	79.688	239.065	164.063	43.750	53.125	151.042	15.104	11.458
3	22:43:59	160.938	75.000	231.252	152.605	39.063	48.958	156.251	20.833	9.896
x		160.938	78.125	246.877	164.237	43.750	49.826	151.563	17.188	9.896
σ		6.250	2.706	20.670	11.720	4.688	2.962	4.450	3.168	1.563
%RSD		3.884	3.464	8.373	7.136	10.714	5.944	2.936	18.433	15.789

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:41:43	12.500	10.938	10.938	9.375	15.625	1.563	177536.990	92.188	7.813
2	22:42:51	10.938	10.938	17.188	6.250	25.000	0.000	176413.830	54.688	10.938
3	22:43:59	10.938	10.938	20.313	12.500	35.938	0.000	173973.240	79.688	9.375
x		11.458	10.938	16.146	9.375	25.521	0.521	175974.690	75.521	9.375
σ		0.902	0.000	4.774	3.125	10.166	0.902	1822.011	19.094	1.563
%RSD		7.873	0.000	29.565	33.333	39.835	173.205	1.035	25.283	16.667

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:41:43	0.000	0.000	9.375	0.000	29.688	9.375	185.939	257.815	352593.550
2	22:42:51	0.000	0.000	4.688	3.125	23.438	7.813	129.688	262.502	346112.920
3	22:43:59	0.000	0.000	9.375	3.125	35.938	9.375	167.188	262.502	348722.110
x		0.000	0.000	7.813	2.083	29.688	8.854	160.938	260.940	349142.860
σ		0.000	0.000	2.706	1.804	6.250	0.902	28.641	2.706	3260.734
%RSD		0.000	0.000	34.641	86.603	21.053	10.189	17.797	1.037	0.934

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:41:43	364909.600	12.500	32.813	21.875	12.500	68.750	277604.100	750.020
2	22:42:51	363573.040	26.563	35.938	23.438	26.563	45.313	272102.890	750.020
3	22:43:59	362380.820	26.563	29.688	35.938	21.875	39.063	270346.580	701.580
x		363621.150	21.875	32.813	27.083	20.313	51.042	273351.190	733.873
σ		1265.080	8.119	3.125	7.708	7.160	15.651	3786.370	27.967
%RSD		0.348	37.115	9.524	28.459	35.251	30.663	1.385	3.811

CCV 06/04/2011 10:48:29 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:49:37	28407.905	32118.357	7534.799	312.503	26049148.000	18703112.000	2601773.900	3096807.800	4285075.900
2	22:50:45	28417.298	32498.903	7533.236	418.756	26178271.000	18748559.000	2654685.800	3134766.200	4319954.100
3	22:51:53	28306.141	32441.481	7611.402	375.005	26203691.000	18791905.000	2638925.900	3177245.500	4383121.000
x		28377.115	32352.914	7559.812	368.755	26143703.000	18747859.000	2631795.200	3136273.200	4329383.700
σ		61.644	205.151	44.685	53.401	82867.998	44400.706	27167.143	40240.007	49698.071
%RSD		0.217	0.634	0.591	14.482	0.317	0.237	1.032	1.283	1.148

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:49:37	96107.540	166649.190	19863.800	45531.820	9380647.400	47642.524	680219.420	84518.028	21359.706
2	22:50:45	97155.725	167641.960	19741.756	47949.084	9554578.000	47838.873	690955.760	85014.712	21287.724
3	22:51:53	95914.396	165929.960	19881.012	48485.264	9517247.000	47518.897	680296.400	84899.970	21466.116
x		96392.554	166740.370	19828.856	47322.056	9484157.500	47666.765	683823.860	84810.903	21371.182
σ		667.944	859.635	75.920	1573.398	91565.038	161.360	6176.529	260.045	89.748
%RSD		0.693	0.516	0.383	3.325	0.965	0.339	0.903	0.307	0.420

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:49:37	316834.280	301289.290	40668.743	1204925.500	914652.000	21437261.000	504309.660	356144.070	75282.213
2	22:50:45	314023.220	297946.840	39272.658	1199222.800	908068.460	21674441.000	503554.710	357556.840	75019.901
3	22:51:53	315490.970	300619.140	39861.786	1193893.600	910394.080	21675108.000	496786.550	360081.580	76381.777
x		315449.490	299951.760	39934.396	1199347.300	911038.180	21595603.000	501550.300	357927.490	75561.297
σ		1405.987	1768.346	700.869	5517.025	3338.696	137128.980	4142.767	1994.750	722.559
%RSD		0.446	0.590	1.755	0.460	0.366	0.635	0.826	0.557	0.956

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:49:37	364180.410	182592.300	136524.260	45685.956	3292.567	3454.584	10290.684	4371.502	9.375
2	22:50:45	364949.670	181544.700	133658.280	46333.349	3323.824	3306.112	10586.734	4435.063	5.208
3	22:51:53	369710.390	183230.080	136934.410	46648.957	3148.785	3338.932	10447.569	4554.893	6.250
x		366280.160	182455.690	135705.650	46222.754	3255.059	3366.543	10441.662	4453.819	6.944
σ		2995.465	850.952	1784.890	490.934	93.354	77.992	148.113	93.123	2.168
%RSD		0.818	0.466	1.315	1.062	2.868	2.317	1.418	2.091	31.225

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:49:37	56171.153	97036.258	103492.270	62433.003	160068.330	0.000	170011.910	6515.548	308279.830
2	22:50:45	58243.489	99009.101	106020.080	63319.706	159354.160	3.125	172572.020	6442.077	312023.880
3	22:51:53	57739.888	98113.894	104354.760	63647.721	159738.100	1.563	171028.620	6839.137	312322.480
x		57384.843	98053.084	104622.370	63133.477	159720.200	1.563	171204.180	6598.921	310875.400
σ		1080.827	987.826	1284.977	628.407	357.420	1.563	1289.053	211.252	2252.778
%RSD		1.883	1.007	1.228	0.995	0.224	100.000	0.753	3.201	0.725

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:49:37	4994.623	4994.623	293594.040	72778.665	184182.840	251596.180	202362.250	352615.960	348904.610
2	22:50:45	4900.841	4900.841	293614.770	74353.933	183079.730	254883.380	205707.960	355356.060	342984.120
3	22:51:53	4871.143	4871.143	294622.710	75553.955	186232.590	254862.700	204679.280	349898.800	347254.190
x		4922.202	4922.202	293943.840	74228.851	184498.390	253780.750	204249.830	352623.610	346380.970
σ		64.452	64.452	588.008	1391.867	1599.942	1891.921	1713.702	2728.635	3055.314
%RSD		1.309	1.309	0.200	1.875	0.867	0.745	0.839	0.774	0.882

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:49:37	359629.780	354609.730	875802.290	281244.590	276415.760	622531.080	260478.260	1455573.700
2	22:50:45	360019.090	352447.830	888197.600	287764.710	274856.420	637968.370	268030.100	1492190.600
3	22:51:53	363657.980	354914.020	889421.930	285144.190	275383.610	631563.290	263699.040	1501725.800
x		361102.280	353990.530	884473.940	284717.830	275551.930	630687.580	264069.130	1483163.400
σ		2221.838	1344.650	7534.780	3280.906	793.182	7755.812	3789.498	24364.337
%RSD		0.615	0.380	0.852	1.152	0.288	1.230	1.435	1.643

CCB 06/04/2011 10:56:22 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:57:30	30091.033	3.646	218.752	314.066	20569.485	1936.069	257.815	307.816	937.531
2	22:58:38	29552.410	6.771	196.876	262.502	24359.814	3617.646	546.885	587.512	1189.112
3	22:59:47	28586.385	6.771	156.251	296.878	24128.171	3409.782	448.445	585.950	1184.424
x		29409.943	5.729	190.626	291.149	23019.157	2987.832	417.715	493.759	1103.689
σ		762.374	1.804	31.716	26.255	2124.637	916.764	146.965	161.034	143.916
%RSD		2.592	31.492	16.638	9.018	9.230	30.683	35.183	32.614	13.040

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:57:30	3159.724	1260.993	20488.119	54924.131	61075.592	6.250	340.629	87716.912	4.688
2	22:58:38	3159.724	1276.620	20286.268	56659.011	61737.804	10.938	389.068	87339.611	3.125
3	22:59:47	3147.222	1254.743	19782.438	57073.155	62170.927	9.375	375.005	85473.689	4.688
x		3155.557	1264.118	20185.608	56218.765	61661.441	8.854	368.234	86843.404	4.167
σ		7.218	11.268	363.450	1140.149	551.646	2.387	24.919	1201.116	0.902
%RSD		0.229	0.891	1.801	2.028	0.895	26.956	6.767	1.383	21.651

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:57:30	9074.756	343.754	3042.512	3230.053	204.689	38304.409	457.820	17.188	14.063
2	22:58:38	8624.478	375.005	2995.627	3275.375	260.940	40352.223	414.069	79.688	20.313
3	22:59:47	8586.955	339.067	2883.103	3397.279	259.377	39084.643	384.380	48.438	7.813
x		8762.063	352.609	2973.747	3300.902	241.669	39247.092	418.756	48.438	14.063
σ		271.450	19.537	81.925	86.486	32.035	1033.526	36.944	31.250	6.250
%RSD		3.098	5.541	2.755	2.620	13.256	2.633	8.822	64.516	44.444

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:57:30	50.000	29.688	81.250	88.021	20.313	26.042	138.542	9.896	7.292
2	22:58:38	64.063	35.938	100.000	82.292	26.563	28.125	157.813	11.458	13.021
3	22:59:47	54.688	51.563	89.063	80.209	21.875	26.042	145.313	10.417	8.854
x		56.250	39.063	90.104	83.507	22.917	26.736	147.223	10.590	9.722
σ		7.160	11.267	9.418	4.046	3.253	1.203	9.776	0.796	2.962
%RSD		12.729	28.844	10.453	4.845	14.193	4.499	6.641	7.512	30.462

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:57:30	78.125	131.251	131.251	75.000	250.002	0.000	185327.180	62.500	35.938
2	22:58:38	64.063	90.625	96.875	45.313	154.688	0.000	183916.940	65.625	50.000
3	22:59:47	65.625	64.063	89.063	39.063	121.876	0.000	175210.090	78.125	48.438
x		69.271	95.313	105.730	53.125	175.522	0.000	181484.740	68.750	44.792
σ		7.708	33.838	22.444	19.200	66.556	0.000	5479.563	8.268	7.708
%RSD		11.127	35.502	21.228	36.142	37.919	0.000	3.019	12.026	17.208

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:57:30	1.563	1.563	32.813	3.125	212.502	357.817	6.250	25.000	355521.020
2	22:58:38	1.563	1.563	64.063	10.938	175.001	304.691	18.750	53.125	357428.690
3	22:59:47	0.000	0.000	43.750	9.375	192.189	198.439	26.563	64.063	346809.200
x		1.042	1.042	46.875	7.813	193.230	286.982	17.188	47.396	353252.970
σ		0.902	0.902	15.858	4.134	18.772	81.151	10.246	20.152	5661.401
%RSD		86.603	86.603	33.830	52.915	9.715	28.277	59.613	42.518	1.603

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:57:30	374073.350	53.125	125.001	28.125	23.438	40.625	287361.400	162.501
2	22:58:38	372030.400	89.063	209.377	48.438	48.438	131.251	288887.020	234.377
3	22:59:47	365475.360	106.250	212.502	60.938	46.875	101.563	275797.740	212.502
x		370526.370	82.813	182.293	45.833	39.583	91.146	284015.390	203.126
σ		4491.988	27.109	49.641	16.561	14.005	46.202	7157.458	36.844
%RSD		1.212	32.735	27.232	36.132	35.380	50.690	2.520	18.138

C2339-08X25 MF4Q60 06/04/2011 11:04:15 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:05:23	29870.258	9.375	607.825	320.316	5562266.700	834628.630	109700.840	130762.920	1876.686
2	23:06:31	29793.536	5.729	639.077	343.754	5677101.200	852426.390	110738.490	129498.360	1778.236
3	23:07:39	29669.841	6.250	707.830	304.691	5555713.800	852582.920	111459.690	131731.130	1567.274
x		29777.878	7.118	651.577	322.920	5598360.600	846545.980	110633.000	130664.140	1740.732
σ		101.122	1.972	51.161	19.661	68270.033	10321.026	884.156	1119.661	158.079
%RSD		0.340	27.702	7.852	6.089	1.219	1.219	0.799	0.857	9.081

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:05:23	170508.400	1146.921	31714.853	70740.339	177092.460	7075.189	111212.460	85995.557	9.375
2	23:06:31	169433.220	1126.607	31232.542	69148.198	176171.810	7011.095	113135.280	87069.218	20.313
3	23:07:39	169352.580	1146.921	31683.533	68438.542	173761.300	6856.332	113757.380	88109.945	23.438
x		169764.730	1140.150	31543.643	69442.360	175675.190	6980.872	112701.710	87058.240	17.708
σ		645.293	11.728	269.876	1178.756	1720.210	112.515	1326.705	1057.237	7.384
%RSD		0.380	1.029	0.856	1.697	0.979	1.612	1.177	1.214	41.698

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:05:23	10744.664	9005.963	4325.655	3561.381	395.318	42220.109	629.701	81.250	46.875
2	23:06:31	11198.137	9224.853	4320.966	3470.734	343.754	42367.419	612.513	67.188	31.250
3	23:07:39	11190.319	9149.804	4394.426	3472.297	318.754	42166.827	629.701	57.813	34.375
x		11044.373	9126.873	4347.016	3501.471	352.609	42251.452	623.972	68.750	37.500
σ		259.585	111.232	41.125	51.890	39.043	103.904	9.924	11.797	8.268
%RSD		2.350	1.219	0.946	1.482	11.073	0.246	1.590	17.159	22.048

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:05:23	367.192	212.502	432.819	130.730	35.938	41.146	152.084	14.583	10.417
2	23:06:31	337.504	207.814	428.131	133.855	32.813	26.563	142.709	15.104	8.854
3	23:07:39	382.818	196.876	414.069	114.063	34.375	36.458	164.584	14.583	7.813
x		362.505	205.731	425.006	126.216	34.375	34.722	153.126	14.757	9.028
σ		23.018	8.018	9.758	10.640	1.563	7.445	10.975	0.301	1.311
%RSD		6.350	3.897	2.296	8.430	4.545	21.442	7.167	2.038	14.519

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:05:23	40.625	57.813	70.313	23.438	110.938	3.125	182144.450	98.438	45.313
2	23:06:31	26.563	34.375	43.750	32.813	85.938	0.000	183337.690	93.750	40.625
3	23:07:39	29.688	48.438	54.688	28.125	56.250	0.000	179674.400	114.063	26.563
x		32.292	46.875	56.250	28.125	84.375	1.042	181718.850	102.084	37.500
σ		7.384	11.797	13.350	4.688	27.377	1.804	1868.363	10.636	9.758
%RSD		22.867	25.166	23.733	16.667	32.447	173.205	1.028	10.419	26.021

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:05:23	1.563	1.563	46.875	23.438	118.750	118.750	220.314	385.943	360983.600
2	23:06:31	4.688	4.688	26.563	21.875	114.063	93.750	210.939	332.816	360038.320
3	23:07:39	0.000	0.000	31.250	17.188	81.250	103.125	212.502	307.816	350798.600
x		2.083	2.083	34.896	20.833	104.688	105.209	214.585	342.192	357273.510
σ		2.387	2.387	10.636	3.253	20.432	12.630	5.023	39.898	5627.320
%RSD		114.564	114.564	30.479	15.613	19.518	12.004	2.341	11.660	1.575

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:05:23	374572.100	114.063	317.191	151.563	126.563	362.505	281681.190	1160.985
2	23:06:31	374961.820	81.250	212.502	151.563	153.126	309.378	288193.540	1175.048
3	23:07:39	372974.870	65.625	168.751	131.251	115.625	296.878	283115.370	1045.351
x		374169.600	86.979	232.815	144.792	131.771	322.920	284330.030	1127.128
σ		1052.853	24.722	76.276	11.728	19.285	34.846	3421.874	71.169
%RSD		0.281	28.423	32.763	8.100	14.635	10.791	1.203	6.314

C2339-13 MF4Q17 06/04/2011 11:12:08 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:13:17	26925.350	6.771	14186.728	420.319	143763970.000	19800641.000	2801901.200	3335358.800	8435.003
2	23:14:25	26892.476	4.167	14415.082	445.319	143405840.000	20134549.000	2789220.900	3295904.100	9039.229
3	23:15:33	26908.130	5.208	14674.721	431.257	146639030.000	20618704.000	2873521.400	3345192.500	8639.341
x		26908.652	5.382	14425.510	432.298	144602950.000	20184631.000	2821547.800	3325485.100	8704.524
σ		16.443	1.311	244.163	12.533	1772369.900	411324.380	45454.804	26085.523	307.342
%RSD		0.061	24.354	1.693	2.899	1.226	2.038	1.611	0.784	3.531

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:13:17	4069945.800	1513.842	289633.160	287068.090	1990115.100	134576.220	2498378.400	76785.495	85.938
2	23:14:25	4096992.400	2098.483	296453.760	312911.730	2010796.800	135741.860	2487561.200	75722.028	67.188
3	23:15:33	4158247.200	1785.044	305909.370	350471.980	2055667.800	135740.280	2494039.800	76645.685	89.063
x		4108395.100	1799.123	297332.090	316817.270	2018859.900	135352.780	2493326.400	76384.403	80.729
σ		45241.627	292.575	8173.580	31881.860	33511.968	672.527	5443.773	577.877	11.831
%RSD		1.101	16.262	2.749	10.063	1.660	0.497	0.218	0.757	14.655

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:13:17	86853.851	393995.160	66325.486	15949.524	3040.949	46784.294	4277.203	282.815	395.318
2	23:14:25	87911.855	396108.670	67017.768	15646.063	2894.043	45343.723	4077.144	204.689	353.129
3	23:15:33	91886.751	402275.890	68955.080	15789.971	3112.839	45133.684	3895.844	232.814	345.317
x		88884.152	397459.910	67432.778	15795.186	3015.944	45753.900	4083.397	240.106	364.588
σ		2653.591	4302.559	1363.036	151.797	111.521	898.506	190.756	39.570	26.898
%RSD		2.985	1.083	2.021	0.961	3.698	1.964	4.672	16.480	7.378

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:13:17	31691.363	16035.557	7405.044	1383.921	226.564	224.481	304.170	130.730	6.771
2	23:14:25	30816.014	15547.518	7168.986	1426.634	210.939	235.419	295.836	142.188	10.417
3	23:15:33	31581.746	15694.554	7181.492	1502.683	240.627	247.398	305.212	149.480	9.375
x		31363.041	15759.210	7251.841	1437.746	226.043	235.766	301.739	140.799	8.854
σ		476.899	250.361	132.825	60.156	14.851	11.462	5.139	9.452	1.878
%RSD		1.521	1.589	1.832	4.184	6.570	4.862	1.703	6.713	21.209

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:13:17	270.315	432.819	448.445	287.503	739.082	0.000	152471.850	79.688	42.188
2	23:14:25	225.002	400.006	418.756	267.190	550.011	0.000	151723.320	103.125	26.563
3	23:15:33	74.797	418.756	401.568	239.065	667.203	0.000	152724.530	82.813	18.750
x		190.038	417.194	422.923	264.586	652.098	0.000	152306.560	88.542	29.167
σ		102.341	16.462	23.714	24.324	95.436	0.000	520.667	12.726	11.934
%RSD		53.853	3.946	5.607	9.193	14.635	0.000	0.342	14.373	40.916

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:13:17	1.563	1.563	26.563	12.500	143.751	92.188	3059.703	5441.661	321158.940
2	23:14:25	1.563	1.563	34.375	6.250	135.938	96.875	2869.038	5238.460	319998.970
3	23:15:33	1.563	1.563	23.438	9.375	107.813	79.688	2990.938	5357.254	322002.620
x		1.563	1.563	28.125	9.375	129.167	89.584	2973.226	5345.792	321053.510
σ		0.000	0.000	5.634	3.125	18.901	8.885	96.558	102.084	1005.977
%RSD		0.000	0.000	20.031	33.333	14.633	9.918	3.248	1.910	0.313

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:13:17	337923.450	65.625	159.376	1165.673	1148.484	2583.046	244971.590	22009.129
2	23:14:25	340071.980	48.438	115.625	1142.233	1021.912	2501.782	244364.450	22329.938
3	23:15:33	336224.690	37.500	107.813	1235.991	1075.040	2656.497	244429.620	22826.034
x		338073.370	50.521	127.605	1181.299	1081.812	2580.441	244588.550	22388.367
σ		1928.021	14.178	27.791	48.793	63.557	77.391	333.318	411.575
%RSD		0.570	28.063	21.779	4.130	5.875	2.999	0.136	1.838

C2339-10 MF4Q22 06/04/2011 11:20:02 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:21:10	28605.173	4.688	8127.311	415.631	103684830.000	19089447.000	2685443.700	3215793.000	1131.552
2	23:22:18	28652.142	1.042	8283.651	464.070	104746610.000	19077765.000	2704389.100	3163529.000	659.156
3	23:23:26	27742.537	4.688	7744.286	392.193	103241860.000	18285183.000	2612009.600	3131274.100	1196.925
x		28333.284	3.472	8051.749	423.965	103891100.000	18817465.000	2667280.800	3170198.700	995.878
σ		512.141	2.105	277.508	36.656	773293.910	461007.000	48794.583	42652.371	293.436
%RSD		1.808	60.622	3.447	8.646	0.744	2.450	1.829	1.345	29.465

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:21:10	3956448.800	1047.018	196888.110	390653.690	2251366.200	116852.520	2141888.600	82426.171	71.875
2	23:22:18	3980105.600	1111.484	198766.990	405387.010	2309855.500	117295.190	2141283.500	82327.165	76.563
3	23:23:26	3890723.400	602.425	194616.680	403889.220	2213448.600	115872.720	2125132.100	81563.428	68.750
x		3942425.900	920.309	196757.260	399976.640	2258223.400	116673.480	2136101.400	82105.588	72.396
σ		46311.719	277.177	2078.246	8108.569	48567.896	727.944	9504.524	472.127	3.932
%RSD		1.175	30.118	1.056	2.027	2.151	0.624	0.445	0.575	5.432

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:21:10	86155.893	29336.341	23946.616	3620.771	806.273	38399.978	3458.231	192.189	412.506
2	23:22:18	89370.866	29492.913	25264.508	3622.334	845.338	38570.749	3430.099	225.002	415.631
3	23:23:26	90212.066	29156.285	25658.960	3522.309	832.837	37978.541	3291.004	235.939	390.630
x		88579.608	29328.513	24956.695	3588.472	828.149	38316.423	3393.111	217.710	406.256
σ		2140.724	168.450	896.712	57.304	19.950	304.818	89.539	22.769	13.622
%RSD		2.417	0.574	3.593	1.597	2.409	0.796	2.639	10.458	3.353

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:21:10	578.137	271.878	937.531	1182.862	237.502	286.982	314.587	143.230	10.938
2	23:22:18	590.637	301.566	1001.598	1189.112	253.127	283.336	322.399	142.188	12.500
3	23:23:26	550.011	281.253	940.656	1212.031	332.816	255.211	317.712	122.917	9.896
x		572.928	284.899	959.928	1194.668	274.482	275.176	318.233	136.112	11.111
σ		20.808	15.176	36.121	15.358	51.120	17.387	3.932	11.439	1.311
%RSD		3.632	5.327	3.763	1.286	18.624	6.318	1.236	8.404	11.797

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:21:10	151.563	318.754	281.253	228.127	501.571	0.000	165231.300	68.750	25.000
2	23:22:18	167.188	331.254	342.192	223.439	529.697	1.563	164039.560	65.625	20.313
3	23:23:26	175.001	296.878	315.628	212.502	509.384	0.000	163083.400	57.813	21.875
x		164.584	315.628	313.024	221.356	513.551	0.521	164118.090	64.063	22.396
σ		11.934	17.400	30.553	8.018	14.519	0.902	1076.105	5.634	2.387
%RSD		7.251	5.513	9.761	3.622	2.827	173.205	0.656	8.794	10.657

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:21:10	0.000	0.000	28.125	9.375	57.813	51.563	4245.943	7006.405	342454.450
2	23:22:18	3.125	3.125	32.813	6.250	34.375	53.125	4172.484	7129.904	346636.330
3	23:23:26	0.000	0.000	23.438	4.688	31.250	43.750	4128.722	6989.209	347174.150
x		1.042	1.042	28.125	6.771	41.146	49.479	4182.383	7041.839	345421.640
σ		1.804	1.804	4.688	2.387	14.518	5.023	59.235	76.749	2583.697
%RSD		173.205	173.205	16.667	35.251	35.285	10.151	1.416	1.090	0.748

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:21:10	361041.280	46.875	121.876	56.250	57.813	126.563	268915.250	23256.415
2	23:22:18	364345.480	28.125	89.063	73.438	48.438	164.063	268507.690	23680.548
3	23:23:26	364185.220	31.250	65.625	57.813	56.250	126.563	267698.980	23719.675
x		363190.660	35.417	92.188	62.500	54.167	139.063	268373.970	23552.213
σ		1863.138	10.045	28.255	9.504	5.023	21.651	619.066	256.915
%RSD		0.513	28.364	30.649	15.207	9.273	15.569	0.231	1.091

C2339-11 MF4Q22D 06/04/2011 11:27:56 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:29:04	28519.063	3.125	8383.709	440.632	106454830.000	19198049.000	2682063.600	3202228.100	1059.044
2	23:30:12	29233.004	2.604	8283.651	428.131	107794860.000	19620896.000	2780123.900	3278776.600	1441.355
3	23:31:20	29305.027	4.688	8710.467	453.132	108437510.000	19904336.000	2751778.900	3279269.700	1261.186
x		29019.031	3.472	8459.276	440.632	107562400.000	19574427.000	2737988.800	3253424.800	1253.862
σ		434.480	1.084	223.217	12.500	1011575.700	355429.370	50463.680	44338.356	191.261
%RSD		1.497	31.225	2.639	2.837	0.940	1.816	1.843	1.363	15.254

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:29:04	3983951.100	1047.018	195980.450	399313.240	2281017.500	117213.270	2149092.000	82702.763	65.625
2	23:30:12	4066004.800	1685.010	198656.090	397992.770	2336503.200	119036.070	2152608.200	81154.861	59.375
3	23:31:20	4109314.600	1816.166	200660.370	398535.720	2330191.300	117649.650	2187297.500	83428.841	78.125
x		4053090.200	1516.065	198432.300	398613.910	2315904.000	117966.330	2162999.200	82428.822	67.708
σ		63671.710	411.465	2347.974	663.696	30376.970	951.765	21116.231	1161.477	9.547
%RSD		1.571	27.140	1.183	0.167	1.312	0.807	0.976	1.409	14.100

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:29:04	87136.816	29142.194	24594.591	3673.910	379.693	37901.775	3378.525	239.065	432.819
2	23:30:12	91962.235	29193.862	25917.238	3598.891	368.755	38041.207	3405.093	265.627	435.944
3	23:31:20	94141.989	29627.566	26565.302	3567.633	337.504	39263.257	3541.064	246.877	437.507
x		91080.346	29321.207	25692.377	3613.478	361.984	38402.080	3441.561	250.523	435.423
σ		3584.886	266.569	1004.414	54.619	21.894	749.053	87.190	13.652	2.387
%RSD		3.936	0.909	3.909	1.512	6.048	1.951	2.533	5.449	0.548

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:29:04	598.450	295.316	667.203	1210.468	250.002	276.044	339.067	166.147	10.417
2	23:30:12	535.948	287.503	707.830	1276.620	259.377	303.649	321.879	143.751	12.500
3	23:31:20	592.200	248.440	704.705	1247.971	250.002	262.502	350.004	148.959	8.854
x		575.532	277.086	693.246	1245.020	253.127	280.732	336.983	152.952	10.590
σ		34.424	25.114	22.608	33.174	5.413	20.970	14.178	11.720	1.829
%RSD		5.981	9.064	3.261	2.665	2.138	7.470	4.207	7.662	17.272

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:29:04	179.689	340.629	307.816	189.064	492.196	1.563	165172.820	95.313	29.688
2	23:30:12	187.501	273.440	331.254	207.814	498.446	0.000	165591.690	90.625	21.875
3	23:31:20	203.126	284.378	321.879	217.189	518.759	0.000	166174.970	79.688	23.438
x		190.105	299.482	320.316	204.689	503.134	0.521	165646.490	88.542	25.000
σ		11.934	36.051	11.797	14.321	13.888	0.902	503.316	8.018	4.134
%RSD		6.278	12.038	3.683	6.996	2.760	173.205	0.304	9.056	16.536

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:29:04	0.000	0.000	21.875	3.125	42.188	40.625	4119.344	7408.170	354709.020
2	23:30:12	0.000	0.000	15.625	3.125	35.938	37.500	4222.499	7550.432	349115.930
3	23:31:20	3.125	3.125	9.375	0.000	29.688	53.125	4088.085	7229.954	354652.970
x		1.042	1.042	15.625	2.083	35.938	43.750	4143.309	7396.186	352825.980
σ		1.804	1.804	6.250	1.804	6.250	8.268	70.339	160.575	3213.112
%RSD		173.205	173.205	40.000	86.603	17.391	18.898	1.698	2.171	0.911

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:29:04	375024.360	12.500	56.250	29.688	43.750	98.438	271967.540	24348.858
2	23:30:12	370948.110	18.750	48.438	42.188	26.563	98.438	272905.480	23927.835
3	23:31:20	365031.410	10.938	35.938	26.563	32.813	76.563	265255.590	24531.983
x		370334.630	14.063	46.875	32.813	34.375	91.146	270042.870	24269.558
σ		5024.646	4.134	10.246	8.268	8.700	12.630	4172.346	309.782
%RSD		1.357	29.397	21.858	25.198	25.308	13.856	1.545	1.276

C2339-12 MF4Q22S 06/04/2011 11:35:51 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:36:59	30184.981	3237.867	8657.310	460.945	106467510.000	19253215.000	2720822.000	3309413.500	851111.340
2	23:38:07	30787.828	3342.579	8821.473	434.382	108727270.000	19577311.000	2723508.000	3236655.900	832745.050
3	23:39:15	31245.069	3312.363	8926.225	478.133	109784110.000	19980884.000	2786446.100	3292604.100	856153.880
x		30739.293	3297.603	8801.669	457.820	108326300.000	19603804.000	2743592.000	3279557.800	846670.090
σ		531.708	53.894	135.547	22.042	1694269.200	364557.200	37136.978	38092.937	12320.183
%RSD		1.730	1.634	1.540	4.815	1.564	1.860	1.354	1.162	1.455

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:36:59	4187639.800	1653.889	201224.470	396315.860	2331412.400	120528.190	2165001.800	85775.489	79.688
2	23:38:07	4063886.700	1836.172	201413.040	376592.950	2300523.900	120463.580	2155407.100	84085.801	67.188
3	23:39:15	4194054.800	2120.712	205232.450	407370.370	2345126.900	119034.490	2182263.500	86174.757	65.625
x		4148527.100	1870.258	202623.320	393426.390	2325687.700	120008.750	2167557.400	85345.349	70.834
σ		73370.909	235.271	2261.538	15590.834	22845.922	844.354	13609.355	1108.918	7.708
%RSD		1.769	12.580	1.116	3.963	0.982	0.704	0.628	1.299	10.881

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:36:59	394529.930	143684.590	44295.128	50627.050	429165.060	811843.270	21926.189	339791.990	70872.241
2	23:38:07	395901.480	141988.070	46591.478	51704.335	428691.790	808199.840	22173.445	339937.580	71958.903
3	23:39:15	404675.060	147187.170	47227.938	52367.682	434297.980	797179.190	21896.456	346501.870	72604.344
x		398368.820	144286.610	46038.181	51566.356	430718.280	805740.770	21998.696	342077.150	71811.829
σ		5504.246	2651.316	1542.707	878.481	3109.137	7635.055	152.065	3832.613	875.367
%RSD		1.382	1.838	3.351	1.704	0.722	0.948	0.691	1.120	1.219

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:36:59	86435.701	42137.052	64295.926	4947.211	376.567	385.943	498.967	236.460	7.813
2	23:38:07	84973.845	43539.686	65394.647	4941.480	343.754	383.859	534.906	238.023	6.771
3	23:39:15	88133.527	43901.729	65573.589	5066.523	371.880	385.943	530.739	249.481	13.542
x		86514.358	43192.822	65088.054	4985.071	364.067	385.248	521.537	241.321	9.375
σ		1581.309	932.071	691.813	70.598	17.747	1.203	19.657	7.110	3.646
%RSD		1.828	2.158	1.063	1.416	4.875	0.312	3.769	2.946	38.889

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:36:59	187.501	350.004	315.628	229.689	520.322	1.563	164512.140	681.266	27080.330
2	23:38:07	212.502	303.128	376.567	214.064	507.822	3.125	164156.520	714.080	28384.421
3	23:39:15	218.752	350.004	335.941	203.126	496.884	1.563	164030.080	714.080	27755.061
x		206.252	334.379	342.712	215.627	508.342	2.083	164232.910	703.142	27739.937
σ		16.536	27.064	31.029	13.350	11.728	0.902	249.944	18.945	652.177
%RSD		8.017	8.094	9.054	6.191	2.307	43.301	0.152	2.694	2.351

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:36:59	439.069	439.069	25860.886	6909.483	45.313	48154.461	156065.030	269601.440	339196.850
2	23:38:07	479.696	479.696	25554.085	6776.607	40.625	48395.900	156622.640	269575.970	337289.990
3	23:39:15	510.947	510.947	25846.798	7092.385	40.625	49143.759	157876.960	273034.480	345472.700
x		476.570	476.570	25753.923	6926.158	42.188	48564.706	156854.880	270737.300	340653.180
σ		36.040	36.040	173.208	158.548	2.706	515.800	928.023	1989.458	4281.341
%RSD		7.562	7.562	0.673	2.289	6.415	1.062	0.592	0.735	1.257

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:36:59	363241.320	32428.953	82523.606	11675.081	10486.660	24015.482	264224.240	23076.436
2	23:38:07	353565.570	33028.762	83425.698	11689.155	10292.769	23725.936	256341.940	22829.164
3	23:39:15	362603.550	33872.923	85657.598	11825.205	10150.480	24373.900	261649.370	23272.065
x		359803.480	33110.213	83868.967	11729.814	10309.970	24038.439	260738.520	23059.222
σ		5411.594	725.423	1613.333	82.910	168.749	324.592	4019.316	221.952
%RSD		1.504	2.191	1.924	0.707	1.637	1.350	1.542	0.963

C2339-10LX5 MF4Q22L 06/04/2011 11:43:46 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:44:54	32397.632	3.125	2132.972	315.628	23428755.000	4451932.100	612209.350	672437.100	1070.353
2	23:46:02	32374.141	2.083	2114.219	315.628	23638639.000	4317788.800	614416.930	670121.050	1015.661
3	23:47:10	32328.726	2.604	2034.520	356.254	23599724.000	4318482.900	611568.030	679276.090	1020.349
x		32366.833	2.604	2093.903	329.170	23555706.000	4362734.600	612731.440	673944.750	1035.454
σ		35.029	0.521	52.276	23.455	111651.480	77248.092	1494.483	4760.085	30.314
%RSD		0.108	20.000	2.497	7.126	0.474	1.771	0.244	0.706	2.928

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:44:54	874633.860	1064.102	61052.054	134669.280	531044.880	26858.036	435976.080	91432.287	28.125
2	23:46:02	844482.780	1096.917	59770.088	137240.450	526093.200	26712.451	439965.960	89905.455	18.750
3	23:47:10	867006.530	1171.923	61183.866	140518.960	528399.450	25887.497	437713.970	88669.642	14.063
x		862041.060	1110.981	60668.669	137476.230	528512.510	26485.995	437885.330	90002.461	20.313
σ		15676.856	55.269	780.980	2931.963	2477.779	523.401	2000.452	1383.875	7.160
%RSD		1.819	4.975	1.287	2.133	0.469	1.976	0.457	1.538	35.251

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:44:54	38069.407	7092.385	11737.633	3189.419	264.065	38934.233	1125.044	101.563	117.188
2	23:46:02	37588.449	6978.267	11460.845	3248.807	287.503	38805.760	1084.416	104.688	115.625
3	23:47:10	36446.433	6781.297	11182.500	3322.261	250.002	38929.533	1048.476	60.938	104.688
x		37368.096	6950.649	11460.326	3253.496	267.190	38889.842	1085.979	89.063	112.500
σ		833.623	157.372	277.567	66.545	18.945	72.855	38.308	24.407	6.811
%RSD		2.231	2.264	2.422	2.045	7.090	0.187	3.528	27.404	6.054

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:44:54	151.563	95.313	325.004	434.902	115.625	122.396	198.439	35.417	7.292
2	23:46:02	145.313	60.938	332.816	428.131	121.876	111.980	195.835	40.104	8.333
3	23:47:10	148.438	78.125	373.442	401.047	121.876	113.542	168.751	42.708	11.458
x		148.438	78.125	343.754	421.360	119.792	115.973	187.675	39.410	9.028
σ		3.125	17.188	26.006	17.914	3.608	5.618	16.440	3.695	2.168
%RSD		2.105	22.000	7.565	4.252	3.012	4.844	8.760	9.376	24.019

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:44:54	43.750	65.625	84.375	42.188	103.125	0.000	187736.460	110.938	12.500
2	23:46:02	53.125	75.000	81.250	56.250	110.938	1.563	185123.000	110.938	4.688
3	23:47:10	42.188	78.125	70.313	32.813	115.625	0.000	183687.460	85.938	14.063
x		46.354	72.917	78.646	43.750	109.896	0.521	185515.640	102.605	10.417
σ		5.916	6.505	7.384	11.797	6.315	0.902	2052.859	14.434	5.023
%RSD		12.762	8.921	9.389	26.964	5.746	173.205	1.107	14.067	48.218

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:44:54	1.563	1.563	14.063	1.563	32.813	59.375	900.028	1639.157	369272.720
2	23:46:02	3.125	3.125	7.813	1.563	23.438	45.313	964.095	1614.154	380107.660
3	23:47:10	0.000	0.000	4.688	4.688	28.125	25.000	832.837	1550.084	374758.140
x		1.563	1.563	8.854	2.604	28.125	43.229	898.987	1601.131	374712.840
σ		1.563	1.563	4.774	1.804	4.688	17.282	65.635	45.942	5417.611
%RSD		100.000	100.000	53.913	69.282	16.667	39.978	7.301	2.869	1.446

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:44:54	388984.040	162.501	459.382	18.750	23.438	65.625	287528.780	4889.899
2	23:46:02	394403.060	107.813	323.441	31.250	32.813	53.125	291023.490	5100.911
3	23:47:10	398111.640	110.938	273.440	39.063	14.063	64.063	291284.990	5107.163
x		393832.920	127.084	352.088	29.688	23.438	60.938	289945.750	5032.658
σ		4590.432	30.712	96.224	10.246	9.375	6.811	2097.237	123.672
%RSD		1.166	24.167	27.330	34.513	40.000	11.177	0.723	2.457

C2339-10X25 MF4Q22 06/04/2011 11:51:40 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:52:48	34215.927	2.083	587.512	275.003	4967067.800	912077.000	116480.760	140657.820	1139.108
2	23:53:56	33714.737	2.604	570.324	350.004	4978952.800	915629.960	117975.760	141866.560	1187.549
3	23:55:04	33155.618	3.646	629.701	335.941	5012256.100	919802.890	119023.460	142085.910	1328.187
x		33695.427	2.778	595.846	320.316	4986092.300	915836.610	117826.660	141536.760	1218.281
σ		530.418	0.796	30.553	39.868	23424.870	3867.088	1277.893	769.048	98.214
%RSD		1.574	28.641	5.128	12.446	0.470	0.422	1.085	0.543	8.062

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:52:48	183733.350	1114.106	28927.696	69342.888	159229.350	5690.196	92704.509	94745.962	7.813
2	23:53:56	184282.550	1159.422	28901.080	67763.461	159196.170	5618.292	93011.180	92665.193	7.813
3	23:55:04	184682.980	1132.857	28824.363	65396.216	159986.170	5712.079	93426.376	93077.233	10.938
x		184232.960	1135.462	28884.380	67500.855	159470.560	5673.522	93047.355	93496.129	8.854
σ		476.752	22.770	53.653	1986.398	446.838	49.066	362.291	1101.819	1.804
%RSD		0.259	2.005	0.186	2.943	0.280	0.865	0.389	1.178	20.377

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:52:48	19959.246	1709.477	6623.410	3364.459	337.504	40612.333	525.010	51.563	32.813
2	23:53:56	19302.094	1881.374	6457.709	3273.813	346.879	41178.012	525.010	95.313	39.063
3	23:55:04	19109.648	1803.239	6376.423	3256.621	345.317	41826.767	515.634	98.438	57.813
x		19456.996	1798.030	6485.847	3298.298	343.233	41205.704	521.885	81.771	43.229
σ		445.477	86.067	125.875	57.938	5.023	607.690	5.413	26.208	13.010
%RSD		2.290	4.787	1.941	1.757	1.463	1.475	1.037	32.050	30.096

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:52:48	68.750	40.625	262.502	212.502	64.063	53.125	153.126	18.750	11.458
2	23:53:56	60.938	28.125	271.878	201.564	62.500	56.771	151.042	14.583	9.375
3	23:55:04	81.250	32.813	259.377	206.251	84.375	70.313	157.813	18.229	10.938
x		70.313	33.854	264.586	206.772	70.313	60.070	153.994	17.188	10.590
σ		10.246	6.315	6.505	5.487	12.204	9.056	3.468	2.270	1.084
%RSD		14.572	18.653	2.459	2.654	17.356	15.076	2.252	13.209	10.238

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:52:48	20.313	20.313	20.313	7.813	31.250	0.000	193715.490	90.625	14.063
2	23:53:56	17.188	23.438	17.188	12.500	39.063	0.000	192313.930	87.500	20.313
3	23:55:04	10.938	18.750	25.000	10.938	35.938	0.000	194048.090	98.438	12.500
x		16.146	20.833	20.833	10.417	35.417	0.000	193359.170	92.188	15.625
σ		4.774	2.387	3.932	2.387	3.932	0.000	920.350	5.634	4.134
%RSD		29.565	11.456	18.875	22.913	11.103	0.000	0.476	6.111	26.458

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:52:48	1.563	1.563	12.500	4.688	39.063	18.750	201.564	346.879	378503.400
2	23:53:56	0.000	0.000	23.438	6.250	26.563	15.625	223.439	337.504	375369.180
3	23:55:04	0.000	0.000	23.438	7.813	35.938	23.438	262.502	428.131	368748.500
x		0.521	0.521	19.792	6.250	33.854	19.271	229.169	370.838	374207.030
σ		0.902	0.902	6.315	1.563	6.505	3.932	30.871	49.838	4980.206
%RSD		173.205	173.205	31.906	25.000	19.215	20.405	13.471	13.439	1.331

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:52:48	392757.070	57.813	142.188	25.000	29.688	46.875	289948.840	1045.351
2	23:53:56	394992.450	67.188	139.063	26.563	29.688	48.438	289618.810	942.219
3	23:55:04	381482.650	50.000	142.188	25.000	17.188	68.750	294002.310	1010.973
x		389744.060	58.333	141.147	25.521	25.521	54.688	291189.980	999.514
σ		7241.364	8.606	1.804	0.902	7.217	12.204	2441.127	52.512
%RSD		1.858	14.752	1.278	3.535	28.278	22.315	0.838	5.254

C2339-11X25 MF4Q22D 06/04/2011 11:59:35 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:00:43	34364.721	3.646	556.261	331.254	5095149.500	929335.120	119196.770	141314.250	1404.757
2	00:01:51	34147.012	4.167	554.698	282.815	5151915.200	934978.660	120334.370	144620.530	1559.460
3	00:02:59	33771.120	2.604	570.324	295.316	5207467.800	941266.890	121725.780	144530.560	1398.506
x		34094.284	3.472	560.428	303.128	5151510.800	935193.560	120418.970	143488.450	1454.241
σ		300.292	0.796	8.606	25.147	56160.276	5968.787	1266.623	1883.447	91.176
%RSD		0.881	22.913	1.536	8.296	1.090	0.638	1.052	1.313	6.270

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:00:43	182299.530	1240.679	29093.658	53023.219	160687.730	5438.535	92407.280	92284.616	4.688
2	00:01:51	187842.530	1201.613	30026.836	58889.881	165451.010	5796.488	95269.741	93626.115	10.938
3	00:02:59	187752.290	1203.176	29953.244	65151.351	165057.440	5647.991	92978.154	92896.374	9.375
x		185964.780	1215.156	29691.246	59021.484	163732.060	5627.672	93551.725	92935.702	8.333
σ		3174.520	22.117	518.833	6065.137	2643.802	179.840	1514.978	671.614	3.253
%RSD		1.707	1.820	1.747	10.276	1.615	3.196	1.619	0.723	39.031

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:00:43	16179.469	1807.927	5338.497	3270.687	245.315	42039.891	512.509	50.000	39.063
2	00:01:51	16188.855	1806.364	5501.059	3223.801	279.690	42361.151	585.950	59.375	57.813
3	00:02:59	16262.376	1846.994	5280.663	3287.878	206.251	42737.269	575.012	35.938	43.750
x		16210.234	1820.429	5373.407	3260.789	243.752	42379.437	557.823	48.438	46.875
σ		45.400	23.020	114.270	33.165	36.744	349.048	39.623	11.797	9.758
%RSD		0.280	1.265	2.127	1.017	15.074	0.824	7.103	24.354	20.817

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:00:43	43.750	39.063	195.314	190.626	46.875	61.979	161.459	15.104	8.854
2	00:01:51	71.875	40.625	206.251	169.793	57.813	51.042	157.293	13.542	7.292
3	00:02:59	59.375	48.438	185.939	164.584	42.188	52.604	160.418	26.563	7.813
x		58.333	42.708	195.835	175.001	48.958	55.208	159.723	18.403	7.986
σ		14.091	5.023	10.166	13.780	8.018	5.916	2.168	7.110	0.796
%RSD		24.157	11.761	5.191	7.874	16.377	10.715	1.358	38.633	9.962

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:00:43	18.750	14.063	17.188	6.250	40.625	1.563	189761.390	95.313	17.188
2	00:01:51	23.438	17.188	26.563	17.188	34.375	0.000	186628.330	106.250	9.375
3	00:02:59	10.938	18.750	17.188	10.938	32.813	0.000	193474.760	87.500	20.313
x		17.708	16.667	20.313	11.458	35.938	0.521	189954.830	96.354	15.625
σ		6.315	2.387	5.413	5.487	4.134	0.902	3427.312	9.418	5.634
%RSD		35.660	14.321	26.647	47.889	11.503	173.205	1.804	9.775	36.056

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:00:43	0.000	0.000	21.875	4.688	29.688	21.875	209.377	326.566	370303.580
2	00:01:51	0.000	0.000	20.313	6.250	32.813	18.750	237.502	365.630	378095.940
3	00:02:59	1.563	1.563	9.375	9.375	35.938	15.625	221.877	378.130	371852.420
x		0.521	0.521	17.188	6.771	32.813	18.750	222.918	356.775	373417.320
σ		0.902	0.902	6.811	2.387	3.125	3.125	14.092	26.898	4125.153
%RSD		173.205	173.205	39.626	35.251	9.524	16.667	6.321	7.539	1.105

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:00:43	385892.500	25.000	121.876	20.313	17.188	45.313	285129.850	993.785
2	00:01:51	391127.330	37.500	120.313	21.875	28.125	48.438	286616.980	973.471
3	00:02:59	386383.640	40.625	95.313	21.875	23.438	54.688	290323.520	993.785
x		387801.150	34.375	112.500	21.354	22.917	49.479	287356.780	987.013
σ		2890.997	8.268	14.905	0.902	5.487	4.774	2674.703	11.728
%RSD		0.745	24.052	13.249	4.225	23.945	9.648	0.931	1.188

C2339-12X25 MF4Q22S 06/05/2011 12:07:31 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:08:39	34829.908	150.001	481.258	342.192	5082485.000	927487.580	121407.460	140894.510	37701.245
2	00:09:47	35064.856	172.918	528.135	273.440	5095015.700	945526.320	120485.640	145318.180	39120.679
3	00:10:54	34262.914	150.001	500.009	323.441	5106652.400	952706.390	120647.940	144963.040	38664.753
x		34719.226	157.640	503.134	313.024	5094717.700	941906.770	120847.010	143725.240	38495.559
σ		412.269	13.231	23.594	35.540	12086.471	12993.192	492.097	2457.909	724.685
%RSD		1.187	8.393	4.689	11.354	0.237	1.379	0.407	1.710	1.883

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:08:39	184600.680	1218.802	29768.483	77387.166	160833.100	5794.925	92018.847	95331.085	4.688
2	00:09:47	183268.060	1214.114	29953.244	80535.747	162871.630	5693.322	94679.901	96424.323	7.813
3	00:10:54	185752.970	1159.422	30172.455	82302.021	164333.540	5569.836	93975.271	95689.721	6.250
x		184540.570	1197.446	29964.727	80074.978	162679.420	5686.028	93558.007	95815.043	6.250
σ		1243.546	33.013	202.230	2489.615	1758.116	112.722	1378.726	557.289	1.563
%RSD		0.674	2.757	0.675	3.109	1.081	1.982	1.474	0.582	25.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:08:39	28793.050	7336.258	5571.399	5740.216	20633.640	79409.154	1409.445	16506.406	3728.612
2	00:09:47	28938.656	7234.644	5655.807	5588.593	20952.855	79629.124	1484.452	16564.285	3798.943
3	00:10:54	28689.717	7225.264	5654.244	5769.915	21092.122	80025.077	1495.391	16482.941	3670.784
x		28807.141	7265.389	5627.150	5699.575	20892.872	79687.785	1463.096	16517.877	3732.779
σ		125.066	61.554	48.288	97.253	235.053	312.123	46.784	41.868	64.181
%RSD		0.434	0.847	0.858	1.706	1.125	0.392	3.198	0.253	1.719

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:08:39	4549.162	2214.234	3259.747	318.754	53.125	42.188	188.022	23.438	12.500
2	00:09:47	4283.455	2254.865	3175.353	303.128	46.875	53.125	158.855	17.188	7.813
3	00:10:54	4419.434	2076.713	3158.162	329.170	45.313	47.917	169.793	24.479	8.333
x		4417.350	2181.938	3197.754	317.017	48.438	47.743	172.223	21.701	9.549
σ		132.866	93.364	54.371	13.108	4.134	5.471	14.735	3.944	2.569
%RSD		3.008	4.279	1.700	4.135	8.535	11.459	8.556	18.173	26.907

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:08:39	14.063	17.188	18.750	7.813	21.875	0.000	197619.990	164.063	1384.442
2	00:09:47	17.188	26.563	14.063	9.375	18.750	0.000	200558.960	128.126	1379.754
3	00:10:54	26.563	25.000	25.000	18.750	32.813	0.000	200696.810	162.501	1395.381
x		19.271	22.917	19.271	11.979	24.479	0.000	199625.250	151.563	1386.526
σ		6.505	5.023	5.487	5.916	7.384	0.000	1737.978	20.313	8.019
%RSD		33.757	21.917	28.475	49.382	30.165	0.000	0.871	13.402	0.578

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:08:39	26.563	26.563	1353.189	350.004	20.313	2243.926	7431.620	13170.131	388542.580
2	00:09:47	18.750	18.750	1253.180	396.881	37.500	2342.380	7339.385	13074.730	381790.720
3	00:10:54	20.313	20.313	1309.435	346.879	28.125	2376.760	7472.266	13098.189	391051.860
x		21.875	21.875	1305.268	364.588	28.646	2321.022	7414.424	13114.350	387128.390
σ		4.134	4.134	50.135	28.010	8.606	68.944	68.089	49.711	4789.796
%RSD		18.898	18.898	3.841	7.683	30.041	2.970	0.918	0.379	1.237

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:08:39	408543.800	1662.597	3905.221	554.698	500.009	1209.426	305527.900	978.158
2	00:09:47	399539.760	1670.410	4091.211	584.387	489.071	1137.545	305944.490	1064.102
3	00:10:54	406139.180	1629.781	4152.166	565.636	496.884	1221.927	304699.550	1053.164
x		404740.910	1654.263	4049.533	568.240	495.321	1189.633	305390.650	1031.808
σ		4662.035	21.559	128.640	15.015	5.634	45.540	633.716	46.783
%RSD		1.152	1.303	3.177	2.642	1.137	3.828	0.208	4.534

C2339-10LX125 MF4Q22L 06/05/2011 12:15:27 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:16:35	34632.554	1.563	182.814	289.065	970239.070	175445.770	23683.678	28995.020	2443.959
2	00:17:43	35050.759	2.604	171.876	317.191	959580.610	174276.900	23898.097	29237.701	2464.275
3	00:18:50	34394.480	2.604	175.001	332.816	983673.690	177601.850	24398.943	29065.476	2412.704
x		34692.597	2.257	176.564	313.024	971164.460	175774.840	23993.573	29099.399	2440.313
σ		332.234	0.601	5.634	22.171	12073.169	1686.724	367.066	124.847	25.978
%RSD		0.958	26.647	3.191	7.083	1.243	0.960	1.530	0.429	1.065

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:16:35	39612.657	1215.677	23129.647	52872.662	83575.004	1125.044	18849.928	95924.098	3.125
2	00:17:43	40009.072	1245.367	22879.244	50275.813	82842.632	1210.989	18909.381	95788.819	4.688
3	00:18:50	40118.754	1179.736	23076.436	49375.807	82251.732	1173.486	18835.847	94368.476	3.125
x		39913.494	1213.593	23028.442	50841.427	82889.790	1169.840	18865.052	95360.464	3.646
σ		266.242	32.865	131.920	1815.748	662.895	43.088	39.031	861.746	0.902
%RSD		0.667	2.708	0.573	3.571	0.800	3.683	0.207	0.904	24.744

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:16:35	10313.096	668.766	3455.105	3442.602	187.501	43461.323	418.756	32.813	17.188
2	00:17:43	9747.074	650.015	3514.495	3325.387	265.627	44451.864	396.881	39.063	25.000
3	00:18:50	9631.371	668.766	3386.339	3364.459	214.064	44000.470	435.944	15.625	17.188
x		9897.180	662.515	3451.980	3377.483	222.398	43971.219	417.194	29.167	19.792
σ		364.810	10.826	64.135	59.683	39.724	495.918	19.579	12.137	4.511
%RSD		3.686	1.634	1.858	1.767	17.862	1.128	4.693	41.611	22.790

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:16:35	29.688	23.438	228.127	98.959	29.688	32.813	158.855	6.771	12.500
2	00:17:43	40.625	32.813	240.627	95.313	29.688	31.250	166.147	6.250	10.417
3	00:18:50	42.188	29.688	235.939	107.292	21.875	36.458	171.355	12.500	6.250
x		37.500	28.646	234.898	100.521	27.083	33.507	165.452	8.507	9.722
σ		6.811	4.774	6.315	6.141	4.511	2.673	6.279	3.468	3.182
%RSD		18.162	16.664	2.688	6.109	16.654	7.977	3.795	40.765	32.733

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:16:35	1.563	12.500	10.938	3.125	12.500	1.563	196020.050	125.001	9.375
2	00:17:43	15.625	7.813	6.250	3.125	7.813	0.000	196077.070	126.563	9.375
3	00:18:50	9.375	7.813	10.938	7.813	10.938	0.000	195633.550	148.438	7.813
x		8.854	9.375	9.375	4.688	10.417	0.521	195910.220	133.334	8.854
σ		7.046	2.706	2.706	2.706	2.387	0.902	241.295	13.104	0.902
%RSD		79.575	28.868	28.868	57.735	22.913	173.205	0.123	9.828	10.189

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:16:35	0.000	0.000	4.688	3.125	23.438	15.625	51.563	89.063	380377.190
2	00:17:43	0.000	0.000	4.688	1.563	25.000	17.188	51.563	89.063	372740.750
3	00:18:50	1.563	1.563	7.813	3.125	18.750	10.938	42.188	84.375	380321.040
x		0.521	0.521	5.729	2.604	22.396	14.583	48.438	87.500	377812.990
σ		0.902	0.902	1.804	0.902	3.253	3.253	5.413	2.706	4392.781
%RSD		173.205	173.205	31.492	34.641	14.523	22.304	11.175	3.093	1.163

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:16:35	395713.570	34.375	60.938	9.375	12.500	32.813	301659.480	207.814
2	00:17:43	388674.220	31.250	70.313	18.750	17.188	32.813	296828.610	221.877
3	00:18:50	390878.460	34.375	62.500	17.188	12.500	31.250	290050.880	200.001
x		391755.420	33.333	64.583	15.104	14.063	32.292	296179.660	209.897
σ		3600.679	1.804	5.023	5.023	2.706	0.902	5831.447	11.085
%RSD		0.919	5.413	7.777	33.254	19.245	2.794	1.969	5.281

CCV 06/05/2011 12:23:21 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:24:29	33863.526	36701.773	8566.630	434.382	29295296.000	20599087.000	2834513.200	3403979.700	4714720.500
2	00:25:37	33717.869	36632.846	8447.810	404.693	28665926.000	20604166.000	2849591.600	3408159.100	4653777.200
3	00:26:45	34679.542	36837.538	9088.828	387.505	29393368.000	20544678.000	2850664.700	3416846.600	4691124.900
x		34086.979	36724.052	8701.089	408.860	29118197.000	20582644.000	2844923.200	3409661.800	4686540.900
σ		518.317	104.149	341.007	23.714	394735.210	32977.050	9031.242	6563.782	30729.211
%RSD		1.521	0.284	3.919	5.800	1.356	0.160	0.317	0.193	0.656

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:24:29	105949.200	186310.160	20848.014	49378.943	10376222.000	53729.345	750690.690	92316.068	23267.370
2	00:25:37	105632.360	183095.560	21222.001	52311.226	10380245.000	52977.886	758425.810	95107.729	23350.318
3	00:26:45	106838.960	183877.380	21040.483	55491.944	10376354.000	53026.367	750458.650	93401.213	23610.119
x		106140.170	184427.700	21036.833	52394.037	10377607.000	53244.533	753191.720	93608.337	23409.269
σ		625.562	1676.470	187.021	3057.342	2285.379	420.559	4534.340	1407.309	178.817
%RSD		0.589	0.909	0.889	5.835	0.022	0.790	0.602	1.503	0.764

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:24:29	340819.160	327815.410	43603.944	1302904.600	985810.590	23779131.000	556195.350	395904.690	83897.197
2	00:25:37	343393.790	328758.590	41964.671	1307018.700	988523.120	23454918.000	546080.070	399938.170	83963.208
3	00:26:45	343817.870	328083.970	42879.883	1317661.000	984569.880	23948145.000	562836.810	402712.950	86201.480
x		342676.940	328219.330	42816.166	1309194.800	986301.200	23727398.000	555037.410	399518.610	84687.295
σ		1622.797	485.941	821.492	7615.052	2021.768	250650.130	8438.168	3423.468	1311.738
%RSD		0.474	0.148	1.919	0.582	0.205	1.056	1.520	0.857	1.549

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:24:29	401647.640	199670.080	147250.310	49487.651	3587.951	3659.323	11178.330	4777.361	9.375
2	00:25:37	400343.030	200481.320	147536.050	49248.807	3553.567	3612.436	11313.332	4876.353	8.333
3	00:26:45	402131.280	199134.550	146705.690	49733.294	3644.215	3636.921	11346.692	4871.143	9.375
x		401373.990	199761.980	147164.020	49489.917	3595.244	3636.227	11279.451	4841.619	9.028
σ		925.001	678.071	421.853	242.251	45.762	23.451	89.148	55.710	0.601
%RSD		0.230	0.339	0.287	0.489	1.273	0.645	0.790	1.151	6.662

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:24:29	60371.044	104592.430	112702.190	67182.602	171378.090	1.563	186080.630	7086.132	333313.910
2	00:25:37	62158.372	105228.320	113695.960	68341.203	169123.330	0.000	190972.680	7240.897	335311.410
3	00:26:45	61714.265	106056.280	112872.280	67672.406	173271.030	0.000	187473.670	6950.128	336491.810
x		61414.561	105292.340	113090.140	67732.070	171257.480	0.521	188175.660	7092.386	335039.040
σ		930.593	734.026	531.499	581.600	2076.478	0.902	2520.444	145.486	1606.361
%RSD		1.515	0.697	0.470	0.859	1.212	173.205	1.339	2.051	0.479

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:24:29	5049.330	5049.330	313831.580	78373.773	192652.830	268139.940	216633.310	366114.860	364742.930
2	00:25:37	5193.131	5193.131	310923.710	79809.815	193311.640	271465.940	214323.870	374200.040	372275.730
3	00:26:45	5291.605	5291.605	315508.540	79784.675	200982.030	275512.630	219592.040	370580.950	376743.730
x		5178.022	5178.022	313421.280	79322.754	195648.830	271706.170	216849.740	370298.620	371254.130
σ		121.842	121.842	2319.791	821.938	4630.417	3692.208	2640.744	4049.978	6065.274
%RSD		2.353	2.353	0.740	1.036	2.367	1.359	1.218	1.094	1.634

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:24:29	379960.060	374400.500	952206.190	300654.250	283142.470	658117.850	278996.460	1536536.200
2	00:25:37	386566.610	369425.020	928930.590	299122.590	287203.590	665462.240	290644.000	1558377.600
3	00:26:45	385542.620	381327.020	949211.740	307614.150	289830.860	669932.840	287088.810	1554359.100
x		384023.100	375050.850	943449.510	302463.660	286725.640	664504.310	285576.420	1549757.600
σ		3555.747	5977.590	12662.579	4525.717	3369.713	5965.459	5969.239	11625.032
%RSD		0.926	1.594	1.342	1.496	1.175	0.898	2.090	0.750

CCB 06/05/2011 12:31:14 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:32:22	35489.340	10.417	181.251	285.940	23342.492	3589.513	520.322	590.637	1409.445
2	00:33:30	35067.989	9.375	170.314	323.441	26526.167	4871.143	707.830	842.212	1600.090
3	00:34:38	35508.137	8.333	167.188	334.379	26850.209	5085.280	693.767	826.586	1714.165
x		35355.155	9.375	172.918	314.587	25572.956	4515.312	640.640	753.145	1574.567
σ		248.871	1.042	7.384	25.404	1938.421	808.883	104.435	140.953	153.955
%RSD		0.704	11.111	4.270	8.075	7.580	17.914	16.302	18.715	9.778

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:32:22	3076.894	1304.747	21522.450	61080.300	65615.971	26.563	367.192	97992.754	4.688
2	00:33:30	3187.856	1365.690	21971.571	62489.500	66628.453	10.938	393.755	96855.349	3.125
3	00:34:38	3206.610	1484.452	21738.402	61237.219	65339.709	39.063	450.007	100557.360	9.375
x		3157.120	1384.963	21744.141	61602.339	65861.378	25.521	403.652	98468.487	5.729
σ		70.108	91.390	224.615	772.299	678.516	14.091	42.285	1896.302	3.253
%RSD		2.221	6.599	1.033	1.254	1.030	55.215	10.476	1.926	56.773

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:32:22	7215.885	385.943	2359.570	3617.646	225.002	43600.810	467.195	62.500	14.063
2	00:33:30	7065.810	406.256	2503.344	3672.347	282.815	44013.008	470.320	90.625	12.500
3	00:34:38	6997.026	401.568	2404.890	3737.989	351.567	45425.231	496.884	95.313	25.000
x		7092.907	397.922	2422.601	3675.994	286.461	44346.350	478.133	82.813	17.188
σ		111.917	10.636	73.505	60.255	63.361	956.800	16.314	17.747	6.811
%RSD		1.578	2.673	3.034	1.639	22.119	2.158	3.412	21.430	39.626

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:32:22	73.438	29.688	109.375	70.313	14.063	23.958	182.293	8.854	9.896
2	00:33:30	85.938	57.813	128.126	72.917	25.000	17.708	172.918	13.542	8.333
3	00:34:38	98.438	71.875	107.813	64.063	25.000	19.792	169.793	16.146	9.896
x		85.938	53.125	115.105	69.097	21.354	20.486	175.001	12.847	9.375
σ		12.500	21.481	11.303	4.550	6.315	3.182	6.505	3.695	0.902
%RSD		14.545	40.435	9.820	6.586	29.572	15.534	3.717	28.762	9.623

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:32:22	106.250	142.188	168.751	82.813	275.003	0.000	205062.850	78.125	78.125
2	00:33:30	82.813	139.063	121.876	89.063	189.064	0.000	200215.130	78.125	128.126
3	00:34:38	65.625	90.625	109.375	54.688	168.751	0.000	200142.240	120.313	89.063
x		84.896	123.959	133.334	75.521	210.939	0.000	201806.740	92.188	98.438
σ		20.393	28.910	31.302	18.311	56.403	0.000	2820.112	24.357	26.286
%RSD		24.021	23.322	23.477	24.246	26.739	0.000	1.397	26.421	26.703

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:32:22	1.563	1.563	93.750	17.188	278.128	428.131	26.563	60.938	392254.480
2	00:33:30	0.000	0.000	89.063	18.750	235.939	304.691	53.125	82.813	388818.700
3	00:34:38	0.000	0.000	95.313	17.188	185.939	240.627	39.063	82.813	391148.200
x		0.521	0.521	92.709	17.708	233.335	324.483	39.583	75.521	390740.460
σ		0.902	0.902	3.253	0.902	46.150	95.306	13.289	12.630	1753.808
%RSD		173.205	173.205	3.508	5.094	19.778	29.372	33.572	16.723	0.449

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:32:22	409114.480	112.500	265.627	64.063	50.000	118.750	308064.320	265.627
2	00:33:30	408141.930	157.813	343.754	93.750	75.000	193.751	316521.200	323.441
3	00:34:38	408174.080	112.500	253.127	81.250	76.563	214.064	312662.610	340.629
x		408476.830	127.605	287.503	79.688	67.188	175.522	312416.050	309.899
σ		552.453	26.161	49.114	14.905	14.905	50.204	4233.830	39.292
%RSD		0.135	20.502	17.083	18.705	22.185	28.602	1.355	12.679

C2339-13X25 MF4Q17 06/05/2011 12:39:07 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:40:15	34765.689	9.375	856.276	342.192	7392956.200	1025790.300	129946.150	157488.330	2359.570
2	00:41:23	35132.209	6.250	921.905	309.378	7398087.700	1032877.700	130229.960	153942.180	2289.246
3	00:42:31	34416.407	11.458	875.027	303.128	7441144.000	1045874.300	132003.950	156682.670	2426.769
x		34771.435	9.028	884.402	318.233	7410729.300	1034847.400	130726.690	156037.730	2358.528
σ		357.935	2.621	33.804	20.983	26464.540	10185.864	1115.206	1858.968	68.767
%RSD		1.029	29.038	3.822	6.594	0.357	0.984	0.853	1.191	2.916

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:40:15	202598.370	1317.248	34695.205	59373.125	158647.930	6915.736	113048.660	92824.031	15.625
2	00:41:23	201542.980	1206.301	35494.039	59743.414	158458.340	6775.044	112256.510	95784.100	9.375
3	00:42:31	201886.840	1271.932	35505.004	57951.681	157164.480	6826.631	112936.850	95250.865	7.813
x		202009.400	1265.160	35231.416	59022.740	158090.250	6839.137	112747.340	94619.666	10.938
σ		538.266	55.783	464.405	945.862	807.326	71.175	428.729	1577.755	4.134
%RSD		0.266	4.409	1.318	1.603	0.511	1.041	0.380	1.667	37.796

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:40:15	10037.900	21121.853	5477.612	4075.581	545.323	46190.178	714.080	112.500	28.125
2	00:41:23	10292.769	21140.631	5468.234	4156.855	517.197	46149.422	750.020	112.500	53.125
3	00:42:31	10414.732	20991.974	5519.816	4258.447	503.134	47574.397	778.146	110.938	67.188
x		10248.467	21084.819	5488.554	4163.628	521.885	46637.999	747.415	111.980	49.479
σ		192.283	80.952	27.477	91.621	21.482	811.201	32.112	0.902	19.785
%RSD		1.876	0.384	0.501	2.201	4.116	1.739	4.296	0.806	39.986

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:40:15	1837.618	906.279	618.763	118.230	28.125	28.125	180.209	17.708	5.729
2	00:41:23	1768.860	1009.411	623.451	123.959	20.313	29.167	165.105	21.875	7.813
3	00:42:31	1764.171	915.654	623.451	132.292	23.438	25.000	165.105	16.667	7.813
x		1790.216	943.781	621.889	124.827	23.958	27.431	170.140	18.750	7.118
σ		41.118	57.030	2.706	7.071	3.932	2.168	8.721	2.756	1.203
%RSD		2.297	6.043	0.435	5.665	16.413	7.905	5.125	14.699	16.898

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:40:15	51.563	84.375	78.125	46.875	121.876	1.563	191849.940	89.063	84.375
2	00:41:23	39.063	67.188	65.625	56.250	115.625	1.563	192779.520	104.688	57.813
3	00:42:31	42.188	85.938	101.563	50.000	106.250	0.000	191995.630	90.625	87.500
x		44.271	79.167	81.771	51.042	114.584	1.042	192208.370	94.792	76.563
σ		6.505	10.404	18.244	4.774	7.864	0.902	499.970	8.606	16.313
%RSD		14.694	13.141	22.311	9.352	6.864	86.603	0.260	9.078	21.307

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:40:15	1.563	1.563	73.438	14.063	109.375	143.751	217.189	359.380	375678.720
2	00:41:23	6.250	6.250	79.688	15.625	150.001	118.750	223.439	300.003	374212.870
3	00:42:31	3.125	3.125	56.250	14.063	85.938	123.438	212.502	348.442	368921.640
x		3.646	3.646	69.792	14.583	115.105	128.646	217.710	335.941	372937.740
σ		2.387	2.387	12.137	0.902	32.414	13.289	5.487	31.600	3554.437
%RSD		65.465	65.465	17.390	6.186	28.160	10.330	2.521	9.406	0.953

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:40:15	389754.630	137.501	339.067	179.689	143.751	340.629	288938.040	1334.437
2	00:41:23	390989.250	117.188	256.252	173.439	151.563	343.754	291882.940	1357.877
3	00:42:31	388280.930	118.750	250.002	143.751	137.501	385.943	290675.890	1307.872
x		389674.930	124.480	281.774	165.626	144.272	356.775	290498.960	1333.396
σ		1355.918	11.304	49.715	19.201	7.046	25.308	1480.403	25.019
%RSD		0.348	9.081	17.644	11.593	4.884	7.094	0.510	1.876

C2339-14 MF4Q20 06/05/2011 12:47:01 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:48:09	32547.973	6.250	8657.310	415.631	97345260.000	16386254.000	2278555.700	2698105.100	8687.015
2	00:49:17	32255.123	8.854	8763.625	451.570	97639887.000	16528168.000	2297441.800	2736635.600	8787.077
3	00:50:25	32444.614	7.813	9096.645	439.069	100388410.000	17075223.000	2370778.600	2791843.100	8619.787
x		32415.903	7.639	8839.193	435.423	98457852.000	16663215.000	2315592.000	2742194.600	8697.960
σ		148.521	1.311	229.209	18.245	1678388.000	363796.660	48716.908	47115.576	84.180
%RSD		0.458	17.159	2.593	4.190	1.705	2.183	2.104	1.718	0.968

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:48:09	3833103.600	2049.577	272563.100	388794.620	3549680.900	196768.430	3195362.600	104850.640	98.438
2	00:49:17	3838303.300	1733.916	271961.170	411026.000	3632075.500	201490.500	3190589.700	103060.150	68.750
3	00:50:25	3942403.500	2142.942	283395.850	432286.780	3744813.400	205051.450	3260039.000	103686.450	93.750
x		3871270.100	1975.478	275973.370	410702.470	3642189.900	201103.460	3215330.400	103865.750	86.979
σ		61658.152	214.345	6435.098	21747.888	97958.638	4155.053	38792.211	908.612	15.960
%RSD		1.593	10.850	2.332	5.295	2.690	2.066	1.206	0.875	18.349

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:48:09	73680.143	864754.100	125068.530	30332.167	7870.918	53708.584	6257.620	375.005	5879.335
2	00:49:17	77143.667	863407.450	124759.590	30285.193	7637.979	54157.148	5968.434	409.381	5890.277
3	00:50:25	80562.460	891422.260	127924.900	30693.876	7888.115	53738.384	6012.202	356.254	5798.051
x		77128.756	873194.600	125917.670	30437.079	7799.004	53868.039	6079.419	380.213	5855.888
σ		3441.183	15799.970	1745.160	223.630	139.717	250.819	155.871	26.943	50.385
%RSD		4.462	1.809	1.386	0.735	1.791	0.466	2.564	7.086	0.860

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:48:09	155589.570	76612.696	303891.990	1032.329	220.314	242.190	326.045	143.751	10.938
2	00:49:17	153852.150	75498.978	293944.890	1063.060	253.127	264.586	364.588	152.084	9.896
3	00:50:25	159379.440	78323.498	300667.010	1055.247	234.377	259.377	330.733	140.626	9.375
x		156273.720	76811.724	299501.300	1050.212	235.939	255.384	340.455	145.487	10.069
σ		2826.443	1422.740	5074.975	15.972	16.462	11.720	21.030	5.923	0.796
%RSD		1.809	1.852	1.694	1.521	6.977	4.589	6.177	4.071	7.901

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:48:09	121.876	164.063	212.502	132.813	279.690	0.000	173286.840	82.813	79.688
2	00:49:17	98.438	210.939	215.627	143.751	267.190	0.000	177081.390	103.125	46.875
3	00:50:25	95.313	190.626	185.939	128.126	279.690	0.000	176809.300	89.063	40.625
x		105.209	188.543	204.689	134.896	275.523	0.000	175725.840	91.667	55.729
σ		14.518	23.507	16.313	8.018	7.217	0.000	2116.613	10.404	20.983
%RSD		13.799	12.468	7.970	5.944	2.619	0.000	1.204	11.349	37.651

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:48:09	3.125	3.125	50.000	103.125	1265.681	164.063	5447.914	9199.836	359938.990
2	00:49:17	9.375	9.375	60.938	109.375	1217.239	153.126	5177.501	8957.495	367424.410
3	00:50:25	3.125	3.125	40.625	84.375	1239.116	162.501	5332.245	9476.580	361063.720
x		5.208	5.208	50.521	98.959	1240.679	159.897	5319.220	9211.304	362809.040
σ		3.608	3.608	10.166	13.010	24.259	5.916	135.676	259.732	4036.396
%RSD		69.282	69.282	20.123	13.147	1.955	3.700	2.551	2.820	1.113

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:48:09	382241.600	78.125	200.001	24283.121	22414.445	52165.382	272814.710	12779.151
2	00:49:17	384555.600	50.000	165.626	24611.808	21890.196	51351.504	270569.490	12969.948
3	00:50:25	381423.290	51.563	100.000	25006.242	22295.510	53076.541	272563.100	13423.491
x		382740.160	59.896	155.209	24633.723	22200.050	52197.809	271982.430	13057.530
σ		1624.584	15.806	50.808	362.058	274.852	862.976	1230.097	330.978
%RSD		0.424	26.390	32.735	1.470	1.238	1.653	0.452	2.535

C2339-15 MF4Q21 06/05/2011 12:54:55 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:56:03	32843.962	4.167	8407.161	393.755	89932506.000	22502883.000	3160260.600	3737984.700	3763.782
2	00:57:11	32540.143	3.125	8518.164	414.069	88594341.000	22755094.000	3227353.500	3777492.800	3232.063
3	00:58:19	33133.692	3.646	8857.433	412.506	90680023.000	22602823.000	3199941.900	3830072.700	3812.120
x		32839.266	3.646	8594.252	406.777	89735623.000	22620267.000	3195852.000	3781850.100	3602.655
σ		296.803	0.521	234.581	11.304	1056687.800	127007.000	33732.926	46198.344	321.851
%RSD		0.904	14.286	2.730	2.779	1.178	0.561	1.056	1.222	8.934

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:56:03	5219874.700	1480.497	230308.820	437201.760	1237660.600	140653.090	2550085.300	91561.234	101.563
2	00:57:11	5265092.000	1496.058	227347.890	427437.850	1216344.400	138060.790	2563530.500	89485.644	81.250
3	00:58:19	5156675.400	1862.848	226765.300	405994.530	1223210.800	137925.120	2550736.800	90855.185	73.438
x		5213880.700	1613.134	228140.670	423544.710	1225738.600	138879.670	2554784.200	90634.021	85.417
σ		54456.305	216.398	1900.131	15963.717	10880.596	1537.324	7581.549	1055.322	14.518
%RSD		1.044	13.415	0.833	3.769	0.888	1.107	0.297	1.164	16.997

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:56:03	98348.310	209466.680	48021.201	9726.748	3000.315	45066.285	4594.489	162.501	339.067
2	00:57:11	101581.760	212213.020	48814.508	9482.834	3145.659	45665.056	4524.154	156.251	329.691
3	00:58:19	104025.810	213578.460	49976.327	9712.676	3059.703	44600.764	4342.847	121.876	351.567
x		101318.630	211752.720	48937.345	9640.752	3068.559	45110.702	4487.163	146.876	340.108
σ		2847.882	2094.178	983.334	136.942	73.075	533.534	129.835	21.875	10.975
%RSD		2.811	0.989	2.009	1.420	2.381	1.183	2.893	14.894	3.227

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:56:03	450.007	192.189	898.466	1586.026	268.753	283.857	373.442	160.938	9.896
2	00:57:11	457.820	204.689	826.586	1608.424	314.066	277.086	372.922	185.939	13.021
3	00:58:19	376.567	171.876	815.648	1627.176	304.691	286.461	396.881	174.480	7.813
x		428.131	189.585	846.900	1607.209	295.836	282.468	381.081	173.786	10.243
σ		44.826	16.561	44.991	20.602	23.919	4.839	13.685	12.515	2.621
%RSD		10.470	8.735	5.312	1.282	8.085	1.713	3.591	7.201	25.593

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:56:03	579.699	1065.665	1132.857	682.829	1740.731	1.563	179193.420	100.000	17.188
2	00:57:11	662.515	1060.977	1121.919	703.142	1762.609	0.000	178655.490	103.125	25.000
3	00:58:19	685.954	1121.919	1129.732	698.455	1631.343	1.563	180145.910	60.938	17.188
x		642.723	1082.854	1128.170	694.809	1711.561	1.042	179331.610	88.021	19.792
σ		55.824	33.913	5.634	10.636	70.327	0.902	754.757	23.507	4.511
%RSD		8.686	3.132	0.499	1.531	4.109	86.603	0.421	26.706	22.790

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:56:03	1.563	1.563	17.188	7.813	64.063	64.063	5702.700	10133.280	372824.140
2	00:57:11	0.000	0.000	9.375	7.813	40.625	73.438	5744.905	9892.487	373563.390
3	00:58:19	0.000	0.000	4.688	6.250	57.813	79.688	5622.981	9820.562	373658.000
x		0.521	0.521	10.417	7.292	54.167	72.396	5690.196	9948.776	373348.510
σ		0.902	0.902	6.315	0.902	12.137	7.864	61.916	163.782	456.578
%RSD		173.205	173.205	60.622	12.372	22.406	10.863	1.088	1.646	0.122

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:56:03	393937.350	25.000	71.875	76.563	84.375	207.814	280036.830	21552.183
2	00:57:11	393511.800	18.750	73.438	79.688	73.438	150.001	281942.520	21417.605
3	00:58:19	388258.450	7.813	37.500	87.500	67.188	165.626	285160.130	21522.450
x		391902.530	17.188	60.938	81.250	75.000	174.480	282379.830	21497.413
σ		3163.032	8.700	20.313	5.634	8.700	29.906	2589.495	70.696
%RSD		0.807	50.616	33.333	6.934	11.600	17.140	0.917	0.329

C2339-16 MF4Q24 06/05/2011 01:02:50 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:03:58	33017.800	4.688	13806.669	343.754	126567440.000	20417754.000	2840725.300	3326022.300	5886.265
2	01:05:06	32505.690	5.208	13501.690	390.630	124901140.000	20459094.000	2840972.900	3348560.800	5763.223
3	01:06:14	33174.412	6.250	13659.652	396.881	122263530.000	20223443.000	2846169.100	3389283.400	6213.646
x		32899.300	5.382	13656.004	377.088	124577370.000	20366764.000	2842622.500	3354622.200	5954.378
σ		349.755	0.796	152.522	29.037	2170148.200	125828.640	3073.987	32063.169	232.809
%RSD		1.063	14.783	1.117	7.700	1.742	0.618	0.108	0.956	3.910

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:03:58	4205693.400	2409.698	277952.970	338053.020	2720089.600	154046.420	2853706.600	89675.894	64.063
2	01:05:06	4228126.300	1818.388	280379.390	340753.560	2727425.700	154155.400	2866676.000	89172.759	79.688
3	01:06:14	4222019.500	1767.260	275283.270	352873.780	2762765.800	157423.560	2841854.800	88356.775	100.000
x		4218613.000	1998.449	277871.880	343893.450	2736760.400	155208.460	2854079.100	89068.476	81.250
σ		11597.913	357.069	2549.028	7893.535	22818.124	1919.108	12414.827	665.714	18.020
%RSD		0.275	17.867	0.917	2.295	0.834	1.236	0.435	0.747	22.178

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:03:58	93501.868	90900.786	33335.724	6013.766	835.962	46245.043	5035.262	260.940	523.447
2	01:05:06	96592.642	89963.632	33702.208	5757.410	846.900	46464.503	5138.424	273.440	523.447
3	01:06:14	98836.034	90979.409	34900.392	5821.498	890.653	46392.394	5043.078	245.315	518.759
x		96310.181	90614.609	33979.441	5864.225	857.838	46367.313	5072.255	259.898	521.885
σ		2678.277	565.132	818.346	133.412	28.940	111.859	57.437	14.092	2.706
%RSD		2.781	0.624	2.408	2.275	3.374	0.241	1.132	5.422	0.519

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:03:58	91481.035	45185.410	31162.076	1399.027	289.065	290.628	345.317	147.397	6.771
2	01:05:06	90759.266	43843.739	30919.362	1415.174	260.940	295.316	351.046	160.418	10.938
3	01:06:14	91032.873	44158.770	30200.639	1465.700	262.502	291.149	335.941	144.792	10.938
x		91091.058	44395.973	30760.692	1426.634	270.836	292.364	344.101	150.869	9.549
σ		364.386	701.583	499.972	34.783	15.807	2.569	7.625	8.371	2.406
%RSD		0.400	1.580	1.625	2.438	5.836	0.879	2.216	5.549	25.193

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:03:58	200.001	367.192	381.255	218.752	557.823	1.563	170936.910	103.125	50.000
2	01:05:06	212.502	382.818	390.630	218.752	570.324	0.000	173131.860	100.000	42.188
3	01:06:14	210.939	390.630	393.755	231.252	603.138	0.000	171695.930	84.375	42.188
x		207.814	380.213	388.547	222.918	577.095	0.521	171921.570	95.834	44.792
σ		6.811	11.934	6.505	7.217	23.404	0.902	1114.733	10.046	4.511
%RSD		3.277	3.139	1.674	3.238	4.055	173.205	0.648	10.482	10.070

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:03:58	4.688	4.688	43.750	7.813	806.273	64.063	5591.719	9615.735	362819.880
2	01:05:06	1.563	1.563	48.438	7.813	826.586	75.000	5468.234	9462.508	357414.270
3	01:06:14	1.563	1.563	45.313	9.375	832.837	64.063	5468.234	9443.745	350303.860
x		2.604	2.604	45.833	8.333	821.899	67.708	5509.396	9507.329	356846.000
σ		1.804	1.804	2.387	0.902	13.889	6.315	71.294	94.350	6277.328
%RSD		69.282	69.282	5.207	10.825	1.690	9.326	1.294	0.992	1.759

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:03:58	378498.590	15.625	43.750	8937.170	8058.522	19550.869	272193.660	22145.276
2	01:05:06	375088.520	21.875	50.000	8676.071	7816.200	18892.171	270278.110	21968.441
3	01:06:14	376446.990	20.313	45.313	8910.591	8213.298	19072.098	273564.790	22308.029
x		376678.030	19.271	46.354	8841.277	8029.340	19171.713	272012.190	22140.582
σ		1716.734	3.253	3.253	143.688	200.151	340.460	1650.837	169.843
%RSD		0.456	16.878	7.017	1.625	2.493	1.776	0.607	0.767

C2339-17 MF4Q25 06/05/2011 01:10:45 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:11:52	33248.020	3.125	15026.649	423.444	152746940.000	23896266.000	3273107.300	3907726.900	1716.003
2	01:13:01	32964.552	4.167	14787.337	431.257	155978940.000	23535485.000	3291849.400	3907261.600	1241.411
3	01:14:08	33451.620	4.167	15300.377	409.381	155090680.000	24290024.000	3311186.400	3970544.000	1226.031
x		33221.397	3.819	15038.121	421.360	154605520.000	23907258.000	3292047.700	3928510.800	1394.482
σ		244.623	0.601	256.712	11.086	1669727.100	377389.960	19040.312	36402.553	278.552
%RSD		0.736	15.746	1.707	2.631	1.080	1.579	0.578	0.927	19.975

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:11:52	4653123.200	1578.308	330437.290	414052.160	2763503.500	159159.830	2945361.300	105435.190	106.250
2	01:13:01	4718533.800	1560.524	331057.660	426929.230	2774209.800	160765.150	2953718.900	89781.240	73.438
3	01:14:08	4737080.000	1444.930	336981.270	443674.930	2826918.700	164738.160	3012956.100	89995.079	84.375
x		4702912.300	1527.921	332825.410	428218.770	2788210.700	161554.380	2970678.800	95070.504	88.021
σ		44104.548	72.420	3612.425	14853.431	33946.866	2871.689	36850.940	8976.721	16.707
%RSD		0.938	4.740	1.085	3.469	1.218	1.778	1.240	9.442	18.981

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:11:52	96397.581	377892.220	67964.412	14404.133	567.199	42431.672	4889.899	312.503	310.941
2	01:13:01	98782.540	376219.240	69335.037	14537.080	582.824	42116.680	4821.126	237.502	345.317
3	01:14:08	101976.740	380056.320	70387.038	14807.670	570.324	43119.665	5089.969	251.565	323.441
x		99052.288	378055.930	69228.829	14582.961	573.449	42556.006	4933.665	267.190	326.566
σ		2799.345	1923.774	1214.800	205.644	8.268	512.922	139.663	39.867	17.400
%RSD		2.826	0.509	1.755	1.410	1.442	1.205	2.831	14.921	5.328

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:11:52	1082.853	496.884	1298.497	1512.059	279.690	290.107	322.920	161.980	10.938
2	01:13:01	1098.480	539.073	1260.993	1503.204	296.878	282.294	346.879	154.688	8.333
3	01:14:08	1098.480	460.945	1278.182	1522.998	265.627	278.128	382.818	165.105	10.938
x		1093.271	498.967	1279.224	1512.754	280.732	283.510	350.872	160.591	10.069
σ		9.022	39.106	18.773	9.915	15.651	6.081	30.148	5.345	1.504
%RSD		0.825	7.837	1.468	0.655	5.575	2.145	8.592	3.329	14.931

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:11:52	345.938	237.502	293.753	156.251	412.506	0.000	175249.630	79.688	26.563
2	01:13:01	182.814	260.940	260.940	160.938	431.257	0.000	177733.160	90.625	20.313
3	01:14:08	134.012	267.190	303.128	210.939	403.131	0.000	176815.630	76.563	17.188
x		220.921	255.211	285.940	176.043	415.631	0.000	176599.470	82.292	21.354
σ		110.983	15.651	22.153	30.312	14.321	0.000	1255.793	7.384	4.774
%RSD		50.237	6.133	7.747	17.218	3.446	0.000	0.711	8.973	22.354

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:11:52	4.688	4.688	23.438	3.125	60.938	39.063	3087.834	5430.720	367219.230
2	01:13:01	3.125	3.125	10.938	1.563	64.063	50.000	3158.162	5410.399	371762.630
3	01:14:08	0.000	0.000	10.938	1.563	64.063	43.750	3234.741	5516.690	372952.420
x		2.604	2.604	15.104	2.083	63.021	44.271	3160.246	5452.603	370644.760
σ		2.387	2.387	7.217	0.902	1.804	5.487	73.476	56.423	3025.654
%RSD		91.652	91.652	47.781	43.301	2.863	12.395	2.325	1.035	0.816

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:11:52	391774.390	12.500	57.813	178.126	140.626	326.566	276806.020	24300.338
2	01:13:01	388926.250	18.750	40.625	143.751	126.563	351.567	279735.700	24513.201
3	01:14:08	397902.820	9.375	32.813	112.500	171.876	320.316	282812.590	24913.893
x		392867.820	13.542	43.750	144.792	146.355	332.816	279784.770	24575.811
σ		4587.089	4.774	12.790	32.825	23.193	16.536	3003.584	311.533
%RSD		1.168	35.251	29.233	22.671	15.847	4.969	1.074	1.268

C2339-18 MF4Q29 06/05/2011 01:18:40 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:19:48	34937.984	2.604	16140.363	451.570	131849060.000	27702482.000	3875815.400	4587679.700	3671.500
2	01:20:56	34630.987	1.563	15625.729	479.696	129758220.000	26817506.000	3756530.200	4494825.500	3686.881
3	01:22:04	34281.709	5.208	15577.238	437.507	129561530.000	27155402.000	3738937.300	4413965.200	3845.078
x		34616.893	3.125	15781.110	456.257	130389600.000	27225130.000	3790427.600	4498823.400	3734.486
σ		328.364	1.878	312.065	21.482	1267746.000	446589.250	74469.332	86926.260	96.084
%RSD		0.949	60.093	1.977	4.708	0.972	1.640	1.965	1.932	2.573

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:19:48	5527809.000	1936.206	329243.000	433423.580	2905929.400	198365.880	3266915.300	106034.480	85.938
2	01:20:56	5411788.100	1920.645	324196.730	416908.450	2921447.000	175690.940	3239541.700	92446.596	87.500
3	01:22:04	5265523.900	2054.023	312702.540	389289.060	2829821.500	171039.690	3119866.700	108674.780	89.063
x		5401707.000	1970.291	322047.420	413207.030	2885732.600	181698.840	3208774.600	102385.290	87.500
σ		131432.830	72.930	8477.107	22298.866	49038.109	14620.236	78203.525	8707.810	1.563
%RSD		2.433	3.701	2.632	5.397	1.699	8.046	2.437	8.505	1.786

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:19:48	110259.800	79869.523	33772.686	5466.671	670.328	46671.426	5904.345	439.069	600.013
2	01:20:56	111251.830	77988.862	34645.084	5541.700	648.452	46000.505	5671.438	373.442	534.385
3	01:22:04	112021.870	76425.761	34472.793	5493.243	635.952	46248.178	5651.118	410.943	512.509
x		111177.830	78094.715	34296.854	5500.538	651.577	46306.703	5742.300	407.818	548.969
σ		883.361	1724.319	462.045	38.043	17.400	339.268	140.702	32.925	45.538
%RSD		0.795	2.208	1.347	0.692	2.670	0.733	2.450	8.073	8.295

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:19:48	32496.293	15905.725	14923.416	1610.507	271.878	265.627	339.587	167.709	6.250
2	01:20:56	32551.105	16365.619	15046.983	1640.198	267.190	288.024	344.275	141.667	5.208
3	01:22:04	31754.002	15998.015	15212.783	1601.652	276.565	277.607	360.942	152.605	8.854
x		32267.134	16089.786	15061.061	1617.453	271.878	277.086	348.268	153.994	6.771
σ		445.229	243.294	145.197	20.190	4.688	11.207	11.223	13.076	1.878
%RSD		1.380	1.512	0.964	1.248	1.724	4.045	3.223	8.492	27.735

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:19:48	-59.215	400.006	415.631	290.628	703.142	0.000	177019.690	75.000	23.438
2	01:20:56	235.939	451.570	523.447	304.691	631.264	0.000	180066.800	82.813	28.125
3	01:22:04	268.753	428.131	473.445	296.878	596.887	0.000	178036.900	110.938	20.313
x		148.492	426.569	470.841	297.399	643.765	0.000	178374.460	89.584	23.958
σ		180.626	25.818	53.955	7.046	54.219	0.000	1551.345	18.901	3.932
%RSD		121.640	6.052	11.459	2.369	8.422	0.000	0.870	21.099	16.413

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:19:48	3.125	3.125	21.875	7.813	317.191	67.188	3994.308	6828.194	359467.970
2	01:20:56	1.563	1.563	17.188	12.500	301.566	73.438	3941.169	6534.307	379737.060
3	01:22:04	1.563	1.563	17.188	6.250	343.754	82.813	3753.618	6390.492	368766.140
x		2.083	2.083	18.750	8.854	320.837	74.479	3896.365	6584.331	369323.720
σ		0.902	0.902	2.706	3.253	21.329	7.864	126.446	223.098	10146.041
%RSD		43.301	43.301	14.434	36.735	6.648	10.559	3.245	3.388	2.747

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:19:48	374915.310	21.875	42.188	6695.319	5652.681	13902.074	273478.790	24350.423
2	01:20:56	398657.810	17.188	40.625	6262.310	5593.282	13723.776	276352.050	24253.383
3	01:22:04	395405.200	4.688	40.625	6302.953	5699.574	13769.132	282200.670	23700.894
x		389659.440	14.583	41.146	6420.194	5648.512	13798.327	277343.840	24101.567
σ		12871.945	8.885	0.902	239.130	53.268	92.665	4444.717	350.368
%RSD		3.303	60.924	2.192	3.725	0.943	0.672	1.603	1.454

C2339-14X25 MF4Q20 06/05/2011 01:26:36 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:27:44	36780.099	3.125	815.648	315.628	4775789.800	796635.630	102282.040	120242.980	1389.130
2	01:28:52	37817.176	3.125	826.586	335.941	4857206.300	818406.530	101784.760	122573.600	1443.823
3	01:30:00	39007.871	3.646	804.710	335.941	4870661.700	826363.100	105916.190	125284.470	1425.071
x		37868.382	3.299	815.648	329.170	4834552.600	813801.750	103327.660	122700.350	1419.341
σ		1114.769	0.301	10.938	11.728	51332.886	15389.398	2255.478	2523.131	27.793
%RSD		2.944	9.116	1.341	3.563	1.062	1.891	2.183	2.056	1.958

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:27:44	172483.460	1218.802	32344.387	54519.460	216006.750	8652.620	135685.070	97440.559	3.125
2	01:28:52	177431.000	1210.989	32782.885	57637.915	218732.120	8399.344	137762.620	97394.937	6.250
3	01:30:00	176665.350	1242.242	33390.539	64479.564	223146.480	8289.905	138355.820	99350.521	9.375
x		175526.600	1224.011	32839.270	58878.980	219295.120	8447.289	137267.840	98062.006	6.250
σ		2663.099	16.264	525.351	5094.713	3603.011	186.050	1402.438	1116.121	3.125
%RSD		1.517	1.329	1.600	8.653	1.643	2.202	1.022	1.138	50.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:27:44	21775.959	41677.896	12209.903	6023.145	1131.295	66053.919	1265.681	21.875	320.316
2	01:28:52	21486.459	41167.043	12001.914	6082.545	1185.987	66256.416	1292.246	10.938	290.628
3	01:30:00	20916.864	42375.255	12012.861	6110.682	1129.732	67562.512	1243.804	18.750	303.128
x		21393.094	41740.064	12074.893	6072.124	1149.005	66624.283	1267.244	17.188	304.691
σ		437.091	606.501	117.050	44.689	32.037	818.815	24.259	5.634	14.906
%RSD		2.043	1.453	0.969	0.736	2.788	1.229	1.914	32.778	4.892

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:27:44	7783.370	3953.672	14721.644	214.064	70.313	67.708	172.397	15.104	7.292
2	01:28:52	8044.452	4109.966	14671.593	207.293	62.500	66.146	160.938	18.229	7.813
3	01:30:00	7928.762	3928.665	14623.105	206.251	53.125	50.000	167.188	14.583	9.375
x		7918.861	3997.434	14672.114	209.203	61.979	61.285	166.841	15.972	8.160
σ		130.822	98.254	49.271	4.242	8.606	9.804	5.737	1.972	1.084
%RSD		1.652	2.458	0.336	2.028	13.885	15.998	3.439	12.345	13.287

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:27:44	17.188	20.313	17.188	18.750	15.625	0.000	197165.330	107.813	3.125
2	01:28:52	21.875	20.313	9.375	10.938	25.000	0.000	193265.710	129.688	4.688
3	01:30:00	6.250	18.750	15.625	7.813	21.875	0.000	199578.180	120.313	1.563
x		15.104	19.792	14.063	12.500	20.833	0.000	196669.740	119.271	3.125
σ		8.018	0.902	4.134	5.634	4.774	0.000	3185.283	10.975	1.563
%RSD		53.086	4.558	29.397	45.069	22.913	0.000	1.620	9.201	50.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:27:44	0.000	0.000	1.563	6.250	104.688	14.063	245.315	450.007	375441.360
2	01:28:52	3.125	3.125	6.250	6.250	70.313	9.375	218.752	478.133	375816.660
3	01:30:00	1.563	1.563	1.563	6.250	60.938	14.063	253.127	454.695	382450.200
x		1.563	1.563	3.125	6.250	78.646	12.500	239.065	460.945	377902.740
σ		1.563	1.563	2.706	0.000	23.035	2.706	18.020	15.069	3942.687
%RSD		100.000	100.000	86.603	0.000	29.289	21.651	7.538	3.269	1.043

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:27:44	396434.710	10.938	29.688	1153.172	1092.229	2373.635	290414.400	460.945
2	01:28:52	395695.900	12.500	20.313	1170.360	992.222	2378.323	286599.450	570.324
3	01:30:00	391946.190	12.500	18.750	1175.048	976.596	2347.068	296640.380	539.073
x		394692.270	11.979	22.917	1166.193	1020.349	2366.342	291218.080	523.447
σ		2406.693	0.902	5.916	11.518	62.738	16.856	5068.483	56.339
%RSD		0.610	7.531	25.813	0.988	6.149	0.712	1.740	10.763

C2339-15X25 MF4Q21 06/05/2011 01:34:32 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:35:40	38138.341	2.083	632.827	312.503	4374929.500	1114927.400	139543.850	166968.520	1176.611
2	01:36:47	38631.852	3.646	664.078	329.691	4323879.900	1067315.600	139226.720	164600.650	1168.798
3	01:37:55	38595.817	1.563	648.452	342.192	4334855.500	1112546.400	139013.720	165925.220	1135.983
x		38455.336	2.431	648.452	328.129	4344555.000	1098263.100	139261.430	165831.460	1160.464
σ		275.117	1.084	15.626	14.906	26871.468	26827.741	266.765	1186.714	21.558
%RSD		0.715	44.607	2.410	4.543	0.619	2.443	0.192	0.716	1.858

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:35:40	237892.520	1281.308	31392.266	75495.836	119502.430	6581.203	105722.570	101451.140	10.938
2	01:36:47	234866.500	1237.554	31741.474	78119.259	118500.390	6820.378	107809.960	99879.189	4.688
3	01:37:55	237902.050	1228.178	32297.406	80237.199	118691.020	6779.733	110370.030	100033.390	10.938
x		236887.020	1249.013	31810.382	77950.765	118897.950	6727.105	107967.520	100454.570	8.854
σ		1749.830	28.358	456.487	2375.168	532.106	127.978	2327.728	866.493	3.608
%RSD		0.739	2.270	1.435	3.047	0.448	1.902	2.156	0.863	40.754

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:35:40	18710.683	10633.644	6978.267	3806.757	329.691	44784.149	625.014	18.750	32.813
2	01:36:47	18843.670	10339.678	7054.867	3953.672	317.191	44321.773	634.389	15.625	28.125
3	01:37:55	18252.278	10866.631	6731.273	3786.439	289.065	44701.077	590.637	15.625	23.438
x		18602.210	10613.318	6921.469	3848.956	311.983	44602.333	616.680	16.667	28.125
σ		310.259	264.064	169.109	91.254	20.808	246.497	23.036	1.804	4.688
%RSD		1.668	2.488	2.443	2.371	6.670	0.553	3.735	10.825	16.667

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:35:40	81.250	50.000	181.251	179.168	54.688	61.458	178.126	17.188	10.417
2	01:36:47	64.063	23.438	193.751	201.564	43.750	51.042	195.314	14.583	11.979
3	01:37:55	65.625	26.563	198.439	199.481	64.063	55.729	168.751	13.542	8.854
x		70.313	33.333	191.147	193.404	54.167	56.076	180.730	15.104	10.417
σ		9.504	14.518	8.885	12.373	10.166	5.217	13.472	1.878	1.563
%RSD		13.517	43.554	4.648	6.397	18.769	9.303	7.454	12.433	15.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:35:40	31.250	65.625	60.938	35.938	95.313	0.000	205790.390	95.313	18.750
2	01:36:47	35.938	42.188	45.313	39.063	90.625	0.000	210471.920	134.376	3.125
3	01:37:55	28.125	62.500	54.688	31.250	109.375	0.000	206987.180	92.188	9.375
x		31.771	56.771	53.646	35.417	98.438	0.000	207749.830	107.292	10.417
σ		3.932	12.726	7.864	3.932	9.758	0.000	2432.161	23.507	7.864
%RSD		12.377	22.416	14.660	11.103	9.913	0.000	1.171	21.909	75.498

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:35:40	0.000	0.000	7.813	0.000	23.438	7.813	253.127	481.258	404231.510
2	01:36:47	0.000	0.000	17.188	3.125	23.438	14.063	235.939	409.381	399801.620
3	01:37:55	0.000	0.000	6.250	6.250	23.438	12.500	306.253	456.257	402190.730
x		0.000	0.000	10.417	3.125	23.438	11.458	265.107	448.965	402074.620
σ		0.000	0.000	5.916	3.125	0.000	3.253	36.656	36.489	2217.228
%RSD		0.000	0.000	56.789	100.000	0.000	28.386	13.827	8.127	0.551

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:35:40	422167.370	10.938	32.813	20.313	17.188	53.125	310179.670	868.776
2	01:36:47	422498.830	15.625	48.438	29.688	28.125	54.688	320970.400	942.219
3	01:37:55	413561.690	26.563	39.063	29.688	17.188	43.750	317466.840	978.158
x		419409.300	17.708	40.104	26.563	20.833	50.521	316205.640	929.718
σ		5066.887	8.018	7.864	5.413	6.315	5.916	5504.810	55.752
%RSD		1.208	45.279	19.610	20.377	30.311	11.709	1.741	5.997

C2339-16X25 MF4Q24 06/05/2011 01:42:28 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:43:36	38677.287	4.688	845.338	321.879	6036609.400	1003372.600	125662.770	150221.640	1225.053
2	01:44:43	38357.677	1.563	800.022	320.316	5988522.900	981865.390	124613.010	149323.230	1195.363
3	01:45:51	37475.653	3.125	810.961	315.628	6022068.800	985988.880	126556.540	150666.910	1323.499
x		38170.206	3.125	818.773	319.274	6015733.700	990408.970	125610.770	150070.590	1247.971
σ		622.367	1.563	23.646	3.253	24661.267	11414.614	972.811	684.458	67.072
%RSD		1.631	50.000	2.888	1.019	0.410	1.153	0.774	0.456	5.374

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:43:36	190423.230	1187.549	33708.472	61092.853	183636.810	7508.223	123025.900	99806.810	6.250
2	01:44:43	187782.370	1356.314	33791.481	58023.848	185675.410	7369.088	122124.470	101268.610	10.938
3	01:45:51	192244.250	1187.549	33548.722	54472.406	184385.420	7470.703	124458.550	98003.767	7.813
x		190149.950	1243.804	33682.892	57863.036	184565.880	7449.338	123202.970	99693.061	8.333
σ		2243.461	97.437	123.384	3313.152	1031.210	71.986	1177.070	1635.390	2.387
%RSD		1.180	7.834	0.366	5.726	0.559	0.966	0.955	1.640	28.641

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:43:36	15682.040	4889.899	5399.458	3722.360	221.877	44235.569	625.014	14.063	34.375
2	01:44:43	15736.788	4753.916	5282.226	3553.567	212.502	44969.104	662.515	21.875	28.125
3	01:45:51	15214.347	5024.321	5368.196	3542.627	189.064	44691.673	664.078	23.438	50.000
x		15544.392	4889.379	5349.960	3606.185	207.814	44632.115	650.536	19.792	37.500
σ		287.135	135.203	60.706	100.759	16.901	370.376	22.116	5.023	11.267
%RSD		1.847	2.765	1.135	2.794	8.133	0.830	3.400	25.378	30.046

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:43:36	5977.813	2915.923	1632.906	167.188	39.063	42.708	174.480	14.583	10.938
2	01:44:43	5980.939	3011.255	1703.227	157.813	37.500	47.396	193.230	13.542	10.938
3	01:45:51	6123.187	2939.365	1673.536	175.001	31.250	52.604	163.022	14.583	7.292
x		6027.313	2955.514	1669.889	166.668	35.938	47.570	176.911	14.236	9.722
σ		83.044	49.676	35.302	8.606	4.134	4.950	15.250	0.601	2.105
%RSD		1.378	1.681	2.114	5.163	11.503	10.406	8.620	4.225	21.651

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:43:36	18.750	26.563	29.688	15.625	34.375	0.000	206752.570	125.001	12.500
2	01:44:43	9.375	12.500	23.438	15.625	29.688	0.000	204493.840	115.625	14.063
3	01:45:51	12.500	18.750	40.625	21.875	25.000	0.000	196903.950	118.750	25.000
x		13.542	19.271	31.250	17.708	29.688	0.000	202716.790	119.792	17.188
σ		4.774	7.046	8.700	3.608	4.688	0.000	5159.192	4.774	6.811
%RSD		35.251	36.562	27.839	20.377	15.789	0.000	2.545	3.985	39.626

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:43:36	6.250	6.250	4.688	1.563	62.500	17.188	273.440	453.132	394465.690
2	01:44:43	1.563	1.563	14.063	3.125	53.125	10.938	264.065	462.507	405947.920
3	01:45:51	0.000	0.000	10.938	3.125	73.438	3.125	270.315	406.256	388650.140
x		2.604	2.604	9.896	2.604	63.021	10.417	269.273	440.632	396354.580
σ		3.253	3.253	4.774	0.902	10.166	7.046	4.774	30.137	8802.227
%RSD		124.900	124.900	48.238	34.641	16.132	67.639	1.773	6.840	2.221

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:43:36	415074.950	21.875	37.500	417.194	384.380	918.780	309066.880	982.846
2	01:44:43	415573.510	9.375	32.813	435.944	381.255	840.650	303976.580	971.908
3	01:45:51	408725.450	21.875	34.375	446.882	384.380	879.715	304854.360	1070.353
x		413124.640	17.708	34.896	433.340	383.338	879.715	305965.940	1008.369
σ		3817.956	7.217	2.387	15.015	1.804	39.065	2721.119	53.957
%RSD		0.924	40.754	6.840	3.465	0.471	4.441	0.889	5.351

C2339-17X25 MF4Q25 06/05/2011 01:50:25 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:51:33	37486.619	2.083	845.338	296.878	7086096.700	1086880.600	139272.470	164044.300	1081.291
2	01:52:41	38091.341	2.083	896.903	304.691	7391943.700	1129870.400	144443.750	173402.290	1142.233
3	01:53:49	37275.129	1.042	821.899	337.504	7325744.000	1130809.600	145078.260	169132.810	1190.675
x		37617.696	1.736	854.713	313.024	7267928.100	1115853.600	142931.500	168859.800	1138.066
σ		423.599	0.601	38.371	21.557	160911.760	25095.694	3184.650	4684.965	54.811
%RSD		1.126	34.641	4.489	6.887	2.214	2.249	2.228	2.774	4.816

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:51:33	200799.810	1153.172	34110.989	47757.820	176277.790	7304.992	118790.280	99813.104	6.250
2	01:52:41	207510.310	1209.426	35356.198	57220.618	180473.440	7681.752	122958.140	97989.608	7.813
3	01:53:49	209114.710	1168.798	35667.909	62043.813	181807.380	7639.542	125560.310	97934.544	10.938
x		205808.280	1177.132	35045.032	55674.084	179519.540	7542.096	122436.240	98579.085	8.333
σ		4411.018	29.039	823.783	7267.477	2885.576	206.419	3415.056	1069.046	2.387
%RSD		2.143	2.467	2.351	13.054	1.607	2.737	2.789	1.084	28.641

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:51:33	13814.489	17925.302	6357.664	3933.354	168.751	44102.346	689.079	14.063	26.563
2	01:52:41	14088.193	18278.874	6524.927	3913.036	168.751	45075.689	710.955	20.313	37.500
3	01:53:49	14144.499	18153.715	6648.422	3948.983	187.501	44945.593	682.829	26.563	17.188
x		14015.727	18119.297	6510.338	3931.791	175.001	44707.876	694.288	20.313	27.083
σ		176.537	179.281	145.927	18.025	10.825	528.423	14.769	6.250	10.166
%RSD		1.260	0.989	2.241	0.458	6.186	1.182	2.127	30.769	37.537

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:51:33	89.063	40.625	178.126	161.459	43.750	42.188	168.751	17.188	9.375
2	01:52:41	81.250	43.750	201.564	169.272	31.250	40.625	175.522	14.063	9.375
3	01:53:49	101.563	60.938	160.938	157.293	21.875	37.500	167.709	18.229	9.896
x		90.625	48.438	180.209	162.675	32.292	40.104	170.661	16.493	9.549
σ		10.246	10.938	20.393	6.081	10.975	2.387	4.242	2.168	0.301
%RSD		11.306	22.581	11.316	3.738	33.986	5.951	2.486	13.147	3.149

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:51:33	10.938	14.063	12.500	7.813	21.875	0.000	198664.010	110.938	14.063
2	01:52:41	4.688	14.063	18.750	6.250	31.250	0.000	197089.300	107.813	10.938
3	01:53:49	9.375	10.938	12.500	6.250	34.375	0.000	199378.550	118.750	6.250
x		8.333	13.021	14.583	6.771	29.167	0.000	198377.280	112.500	10.417
σ		3.253	1.804	3.608	0.902	6.505	0.000	1171.250	5.634	3.932
%RSD		39.031	13.856	24.744	13.323	22.304	0.000	0.590	5.008	37.749

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:51:33	0.000	0.000	4.688	1.563	20.313	12.500	125.001	276.565	389038.630
2	01:52:41	0.000	0.000	4.688	3.125	28.125	7.813	121.876	279.690	388910.200
3	01:53:49	3.125	3.125	3.125	6.250	26.563	7.813	178.126	287.503	391488.580
x		1.042	1.042	4.167	3.646	25.000	9.375	141.667	281.253	389812.470
σ		1.804	1.804	0.902	2.387	4.134	2.706	31.613	5.634	1452.977
%RSD		173.205	173.205	21.651	65.465	16.536	28.868	22.315	2.003	0.373

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:51:33	396319.070	18.750	39.063	34.375	25.000	57.813	293289.440	875.027
2	01:52:41	406335.260	3.125	21.875	18.750	20.313	67.188	303812.200	1031.287
3	01:53:49	401053.160	10.938	28.125	17.188	17.188	53.125	303783.470	1014.099
x		401235.830	10.938	29.688	23.438	20.833	59.375	300295.040	973.471
σ		5010.592	7.813	8.700	9.504	3.932	7.160	6067.043	85.687
%RSD		1.249	71.429	29.304	40.552	18.875	12.059	2.020	8.802

CCV 06/05/2011 01:58:20 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:59:28	36379.074	38290.309	9134.169	410.943	30771989.000	21589929.000	3005637.300	3487301.100	4794300.500
2	02:00:36	36061.082	38511.736	9281.139	392.193	30345003.000	20868902.000	2923563.300	3507688.000	4849052.200
3	02:01:44	36280.386	38212.497	9160.749	404.693	30572299.000	21741423.000	2981013.200	3580800.000	4900888.200
x		36240.180	38338.181	9192.019	402.610	30563097.000	21400084.000	2970071.300	3525263.000	4848080.300
σ		162.764	155.257	78.316	9.547	213641.660	466212.070	42116.829	49164.731	53300.527
%RSD		0.449	0.405	0.852	2.371	0.699	2.179	1.418	1.395	1.099

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:59:28	109655.830	187119.060	20913.735	55749.192	10630001.000	54238.398	777907.590	95732.192	23697.764
2	02:00:36	109835.950	188577.110	21150.020	58143.081	10783528.000	55624.962	761799.990	95489.954	23808.886
3	02:01:44	110174.490	189465.310	21143.760	59878.352	10784586.000	55404.372	773468.200	94975.604	23776.019
x		109888.760	188387.160	21069.172	57923.542	10732705.000	55089.244	771058.600	95399.250	23760.890
σ		263.335	1184.601	134.649	2073.316	88945.521	745.063	8319.760	386.363	57.085
%RSD		0.240	0.629	0.639	3.579	0.829	1.352	1.079	0.405	0.240

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:59:28	346745.170	331482.980	44437.758	1346725.700	1013903.200	24786143.000	574533.260	409476.180	86346.099
2	02:00:36	351682.430	337006.860	45132.117	1354339.700	1027540.200	24489371.000	568718.030	400040.990	85369.946
3	02:01:44	343731.450	326790.770	43281.090	1346537.300	993103.110	24830023.000	576602.780	401652.460	83468.132
x		347386.350	331760.200	44283.655	1349200.900	1011515.500	24701846.000	573284.690	403723.210	85061.392
σ		4014.084	5113.684	935.086	4451.342	17342.276	185311.990	4087.971	5046.950	1463.584
%RSD		1.156	1.541	2.112	0.330	1.714	0.750	0.713	1.250	1.721

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:59:28	414003.910	206876.220	150627.440	51550.656	3559.819	3722.360	11813.737	5148.323	7.292
2	02:00:36	408013.340	203397.100	150253.210	51039.451	3608.268	3684.850	11900.788	5019.111	14.063
3	02:01:44	408182.120	201672.920	149789.000	51018.543	3641.089	3754.660	11833.024	4877.395	15.104
x		410066.460	203982.080	150223.220	51202.883	3603.059	3720.623	11849.183	5014.943	12.153
σ		3410.983	2650.515	420.021	301.362	40.885	34.937	45.720	135.512	4.242
%RSD		0.832	1.299	0.280	0.589	1.135	0.939	0.386	2.702	34.905

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:59:28	63253.790	110247.210	115464.750	70517.366	176734.950	1.563	195684.240	7380.031	348906.220
2	02:00:36	63286.748	107230.630	117896.990	70870.670	177443.650	0.000	195462.480	7344.075	343814.670
3	02:01:44	64380.682	108113.810	117580.330	70239.439	176238.250	1.563	196986.330	7380.031	348494.790
x		63640.406	108530.550	116980.690	70542.492	176805.620	1.042	196044.350	7368.045	347071.890
σ		641.309	1550.869	1322.359	316.365	605.804	0.902	823.276	20.759	2828.330
%RSD		1.008	1.429	1.130	0.448	0.343	86.603	0.420	0.282	0.815

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:59:28	5347.876	5347.876	325731.040	81665.572	206795.370	280344.340	223708.290	385035.460	382880.240
2	02:00:36	5596.409	5596.409	320836.190	83053.225	204523.960	286382.660	227989.240	391922.110	389512.210
3	02:01:44	5441.661	5441.661	327382.210	82798.628	205707.960	285470.940	227817.790	394419.120	394329.190
x		5461.982	5461.982	324649.810	82505.808	205675.760	284065.980	226505.110	390458.900	388907.210
σ		125.506	125.506	3404.321	738.717	1136.049	3255.115	2423.629	4859.940	5748.401
%RSD		2.298	2.298	1.049	0.895	0.552	1.146	1.070	1.245	1.478

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:59:28	403924.570	392289.810	972292.160	316383.840	307936.610	702582.440	298527.530	1669754.100
2	02:00:36	409125.730	393535.880	990767.770	320029.320	309868.340	709232.040	301026.020	1653002.700
3	02:01:44	407270.710	394438.390	986250.380	316313.550	301997.770	701386.720	301329.180	1639543.300
x		406773.670	393421.360	983103.440	317575.570	306600.900	704400.400	300294.240	1654100.100
σ		2635.963	1078.862	9631.434	2125.303	4101.773	4226.822	1537.511	15135.283
%RSD		0.648	0.274	0.980	0.669	1.338	0.600	0.512	0.915

CCB 06/05/2011 02:06:13 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:07:21	36236.525	5.729	203.126	298.441	24525.722	3952.109	581.262	668.766	1332.875
2	02:08:29	36686.108	13.021	231.252	290.628	27075.634	4677.328	656.265	707.830	1285.995
3	02:09:37	36053.249	9.375	164.063	254.690	27097.550	5557.331	789.084	898.466	1564.148
x		36325.294	9.375	199.481	281.253	26232.969	4728.923	675.537	758.354	1394.339
σ		325.634	3.646	33.742	23.334	1478.560	803.854	105.243	122.902	148.915
%RSD		0.896	38.889	16.915	8.296	5.636	16.999	15.579	16.206	10.680

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:07:21	3123.779	1287.558	20957.549	42193.468	64619.255	12.500	359.380	97053.563	6.250
2	02:08:29	3126.905	1270.369	21217.307	39614.224	64758.948	14.063	450.007	94867.074	6.250
3	02:09:37	3137.845	1226.615	20602.345	36687.674	64820.162	17.188	468.758	94170.299	6.250
x		3129.509	1261.514	20925.734	39498.455	64732.789	14.583	426.048	95363.645	6.250
σ		7.386	31.422	308.713	2754.722	102.977	2.387	58.493	1504.407	0.000
%RSD		0.236	2.491	1.475	6.974	0.159	16.366	13.729	1.578	0.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:07:21	8019.438	360.942	2634.618	3714.545	329.691	44323.341	481.258	53.125	21.875
2	02:08:29	7853.721	357.817	2654.934	3625.460	285.940	44577.254	457.820	95.313	25.000
3	02:09:37	7625.472	373.442	2609.613	3622.334	340.629	45127.415	542.198	81.250	28.125
x		7832.877	364.067	2633.055	3654.113	318.754	44676.003	493.759	76.563	25.000
σ		197.808	8.268	22.701	52.359	28.939	411.032	43.556	21.481	3.125
%RSD		2.525	2.271	0.862	1.433	9.079	0.920	8.821	28.057	12.500

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:07:21	79.688	48.438	101.563	77.084	34.375	22.396	156.251	11.979	9.896
2	02:08:29	89.063	56.250	109.375	89.584	23.438	19.792	183.855	10.938	6.771
3	02:09:37	101.563	57.813	109.375	79.167	23.438	18.750	167.188	13.542	4.688
x		90.104	54.167	106.771	81.945	27.083	20.313	169.098	12.153	7.118
σ		10.975	5.023	4.511	6.697	6.315	1.878	13.901	1.311	2.621
%RSD		12.180	9.273	4.225	8.173	23.316	9.245	8.221	10.785	36.828

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:07:21	117.188	160.938	143.751	103.125	275.003	1.563	199841.190	106.250	95.313
2	02:08:29	70.313	139.063	104.688	65.625	184.376	0.000	197410.880	101.563	85.938
3	02:09:37	50.000	92.188	82.813	62.500	146.876	0.000	191938.620	92.188	81.250
x		79.167	130.730	110.417	77.084	202.085	0.521	196396.900	100.000	87.500
σ		34.458	35.125	30.870	22.607	65.874	0.902	4047.687	7.160	7.160
%RSD		43.526	26.868	27.958	29.328	32.597	173.205	2.061	7.160	8.183

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:07:21	1.563	1.563	62.500	20.313	300.003	390.630	37.500	79.688	380701.280
2	02:08:29	1.563	1.563	82.813	12.500	204.689	250.002	45.313	64.063	378277.210
3	02:09:37	1.563	1.563	85.938	15.625	212.502	265.627	43.750	95.313	368915.220
x		1.563	1.563	77.084	16.146	239.065	302.087	42.188	79.688	375964.570
σ		0.000	0.000	12.726	3.932	52.919	77.078	4.134	15.625	6224.067
%RSD		0.000	0.000	16.509	24.354	22.136	25.515	9.799	19.608	1.655

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:07:21	395964.120	110.938	237.502	68.750	57.813	153.126	295670.590	260.940
2	02:08:29	396103.850	142.188	287.503	59.375	65.625	150.001	295137.860	268.753
3	02:09:37	372476.170	115.625	290.628	62.500	59.375	160.938	280084.630	337.504
x		388181.380	122.917	271.878	63.542	60.938	154.688	290297.690	289.065
σ		13601.289	16.853	29.811	4.774	4.134	5.634	8848.783	42.130
%RSD		3.504	13.711	10.965	7.512	6.784	3.642	3.048	14.575

C2339-18X25 MF4Q29 06/05/2011 02:14:06 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:15:14	37314.294	16.667	834.399	317.191	5730242.800	1180944.500	150993.770	180001.920	2458.024
2	02:16:23	37754.511	10.417	864.089	314.066	5803249.400	1191467.400	150993.770	182324.850	2079.839
3	02:17:30	38125.807	10.938	895.341	303.128	5868952.400	1231483.000	156338.300	186428.880	1821.991
x		37731.537	12.674	864.610	311.462	5800814.900	1201298.300	152775.280	182918.550	2119.951
σ		406.244	3.468	30.474	7.384	69386.832	26664.979	3085.665	3254.349	319.908
%RSD		1.077	27.363	3.525	2.371	1.196	2.220	2.020	1.779	15.090

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:15:14	220055.340	1300.059	33197.904	51323.277	179481.370	7653.612	123602.730	95200.532	18.750
2	02:16:23	225306.560	1234.428	34118.820	58343.898	180120.590	7686.442	123845.440	95496.245	9.375
3	02:17:30	228697.300	1353.189	34880.030	63427.997	181030.420	7949.086	126536.050	98261.780	17.188
x		224686.400	1295.892	34065.584	57698.391	180210.800	7763.047	124661.410	96319.519	15.104
σ		4354.231	59.490	842.326	6078.122	778.454	161.949	1628.020	1688.533	5.023
%RSD		1.938	4.591	2.473	10.534	0.432	2.086	1.306	1.753	33.254

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:15:14	10858.813	3759.870	3586.388	4095.900	489.071	53090.656	1059.414	140.626	46.875
2	02:16:23	11376.403	3800.506	3616.083	4019.315	459.382	52830.319	892.215	90.625	37.500
3	02:17:30	11682.900	3809.883	3584.825	3959.924	403.131	53892.086	917.217	84.375	54.688
x		11306.039	3790.086	3595.765	4025.046	450.528	53271.020	956.282	105.209	46.354
σ		416.525	26.585	17.613	68.169	43.649	553.386	90.186	30.831	8.606
%RSD		3.684	0.701	0.490	1.694	9.688	1.039	9.431	29.304	18.565

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:15:14	1676.661	798.460	1073.478	132.813	26.563	23.958	178.647	19.792	7.813
2	02:16:23	1643.845	837.525	1100.042	122.396	28.125	25.000	173.439	18.229	8.854
3	02:17:30	1690.725	785.959	1175.048	130.730	18.750	30.729	186.980	14.063	11.979
x		1670.410	807.314	1116.190	128.646	24.479	26.563	179.689	17.361	9.549
σ		24.057	26.899	52.675	5.512	5.023	3.646	6.831	2.962	2.168
%RSD		1.440	3.332	4.719	4.285	20.518	13.726	3.801	17.059	22.709

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:15:14	37.500	84.375	114.063	40.625	140.626	0.000	192084.310	143.751	82.813
2	02:16:23	54.688	51.563	76.563	32.813	95.313	0.000	199966.360	112.500	42.188
3	02:17:30	26.563	53.125	79.688	29.688	54.688	0.000	201956.570	150.001	26.563
x		39.583	63.021	90.104	34.375	96.875	0.000	198002.420	135.417	50.521
σ		14.178	18.510	20.807	5.634	42.990	0.000	5220.937	20.091	29.036
%RSD		35.818	29.371	23.093	16.389	44.377	0.000	2.637	14.836	57.474

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:15:14	3.125	3.125	93.750	21.875	126.563	145.313	225.002	381.255	378174.550
2	02:16:23	1.563	1.563	56.250	10.938	104.688	109.375	235.939	359.380	385545.830
3	02:17:30	1.563	1.563	32.813	18.750	93.750	87.500	192.189	321.879	388309.820
x		2.083	2.083	60.938	17.188	108.334	114.063	217.710	354.171	384010.060
σ		0.902	0.902	30.738	5.634	16.707	29.190	22.769	30.029	5239.262
%RSD		43.301	43.301	50.442	32.778	15.422	25.591	10.458	8.479	1.364

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:15:14	387396.460	195.314	357.817	451.570	356.254	803.148	289897.820	1209.426
2	02:16:23	400971.220	106.250	221.877	335.941	340.629	771.896	298152.630	1206.301
3	02:17:30	406553.850	48.438	146.876	367.192	357.817	765.646	306300.430	1185.987
x		398307.180	116.667	242.190	384.901	351.567	780.230	298116.960	1200.571
σ		9852.629	73.990	106.928	59.814	9.505	20.092	8201.365	12.727
%RSD		2.474	63.420	44.150	15.540	2.703	2.575	2.751	1.060

C2339-09 MF4Q13 06/05/2011 02:22:01 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:23:09	33678.715	8.854	12072.286	407.818	146973880.000	20515758.000	2845210.300	3395761.700	8090.044
2	02:24:17	33949.667	8.333	12474.194	426.569	149421780.000	20985944.000	2939484.100	3468352.900	7791.227
3	02:25:25	33558.119	6.771	12652.475	451.570	150527240.000	21011597.000	2933339.700	3452832.700	7828.579
x		33728.834	7.986	12399.652	428.652	148974300.000	20837766.000	2906011.400	3438982.400	7903.283
σ		200.528	1.084	297.191	21.950	1818449.300	279162.040	52744.828	38226.178	162.814
%RSD		0.595	13.576	2.397	5.121	1.221	1.340	1.815	1.112	2.060

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:23:09	4401602.100	1464.936	357294.130	413547.220	2534996.700	172182.990	3185921.700	87927.576	123.438
2	02:24:17	4571425.500	1607.206	364274.960	433504.100	2531576.100	173093.900	3204657.200	104654.150	95.313
3	02:25:25	4464688.500	1409.362	369559.690	433893.790	2563291.700	175969.340	3223163.300	107110.250	114.063
x		4479238.700	1493.835	363709.600	426981.700	2543288.200	173748.740	3204580.700	99897.326	110.938
σ		85841.587	102.039	6152.291	11636.236	17407.795	1976.288	18620.950	10438.596	14.321
%RSD		1.916	6.831	1.692	2.725	0.684	1.137	0.581	10.449	12.909

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:23:09	81297.858	2989279.300	345536.730	86154.321	1134.420	49126.512	5771.478	198.439	862.526
2	02:24:17	85538.135	3016632.300	402532.760	90114.579	1150.046	49154.734	6082.545	193.751	826.586
3	02:25:25	88594.176	3053723.300	402323.760	91668.166	1103.168	49360.128	6302.953	190.626	781.271
x		85143.390	3019878.300	383464.420	89312.355	1129.211	49213.791	6052.325	194.272	823.461
σ		3664.141	32344.400	32846.509	2843.113	23.869	127.514	267.023	3.932	40.717
%RSD		4.303	1.071	8.566	3.183	2.114	0.259	4.412	2.024	4.945

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:23:09	185843.190	92018.847	56550.771	1342.771	209.377	236.460	344.796	131.771	8.854
2	02:24:17	191040.770	94813.596	57782.247	1297.976	259.377	245.315	323.441	141.147	10.938
3	02:25:25	191599.740	95098.291	57866.964	1415.174	276.565	256.773	343.233	150.001	8.333
x		189494.570	93976.912	57399.994	1351.974	248.440	246.183	337.157	140.973	9.375
σ		3174.511	1701.698	736.667	59.139	34.904	10.184	11.904	9.116	1.378
%RSD		1.675	1.811	1.283	4.374	14.049	4.137	3.531	6.466	14.699

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:23:09	184.376	248.440	285.940	185.939	409.381	0.000	176230.340	93.750	81.250
2	02:24:17	168.751	279.690	304.691	162.501	396.881	0.000	180022.490	95.313	112.500
3	02:25:25	153.126	300.003	271.878	178.126	453.132	0.000	180302.560	82.813	87.500
x		168.751	276.044	287.503	175.522	419.798	0.000	178851.790	90.625	93.750
σ		15.625	25.974	16.462	11.934	29.537	0.000	2274.565	6.811	16.536
%RSD		9.259	9.409	5.726	6.799	7.036	0.000	1.272	7.515	17.638

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:23:09	3.125	3.125	87.500	18.750	1696.976	178.126	2228.299	3666.095	371929.390
2	02:24:17	3.125	3.125	62.500	34.375	1700.101	196.876	2162.664	3678.599	368650.710
3	02:25:25	7.813	7.813	81.250	23.438	1693.850	182.814	2228.299	3802.068	369250.280
x		4.688	4.688	77.084	25.521	1696.976	185.939	2206.420	3715.587	369943.460
σ		2.706	2.706	13.010	8.018	3.125	9.758	37.894	75.155	1745.795
%RSD		57.735	57.735	16.878	31.418	0.184	5.248	1.717	2.023	0.472

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:23:09	391209.210	82.813	178.126	27092.854	24062.435	56862.944	278790.940	18166.231
2	02:24:17	390380.750	51.563	109.375	27540.584	24339.467	57383.770	274039.380	18360.228
3	02:25:25	385051.510	34.375	62.500	26690.535	24007.656	56819.020	274048.940	18252.278
x		388880.490	56.250	116.667	27107.991	24136.519	57021.911	275626.420	18259.579
σ		3341.768	24.557	58.157	425.226	177.879	314.148	2740.559	97.205
%RSD		0.859	43.656	49.848	1.569	0.737	0.551	0.994	0.532

C2339-09X25 MF4Q13 06/05/2011 02:29:55 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:31:03	37428.655	1.042	800.022	357.817	6883948.100	955804.160	121169.510	145602.300	1334.437
2	02:32:11	37514.818	3.646	776.584	306.253	6706540.100	930058.070	116307.480	138914.320	1414.133
3	02:33:19	36960.250	5.729	787.522	290.628	6849431.700	952834.090	119486.680	142617.730	1412.570
x		37301.241	3.472	788.043	318.233	6813306.600	946232.110	118987.890	142378.120	1387.047
σ		298.433	2.349	11.728	35.160	94059.384	14085.631	2469.097	3350.423	45.568
%RSD		0.800	67.639	1.488	11.049	1.381	1.489	2.075	2.353	3.285

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:31:03	195880.650	1281.308	35714.901	53735.247	165266.080	7795.877	126986.900	95294.908	3.125
2	02:32:11	188268.390	1181.299	35224.624	49425.980	163623.900	7928.762	125836.160	97564.840	7.813
3	02:33:19	191039.190	1265.681	35696.104	46290.502	163982.670	7728.653	125399.530	95980.726	6.250
x		191729.410	1242.763	35545.210	49817.243	164290.880	7817.764	126074.200	96280.158	5.729
σ		3852.784	53.799	277.795	3737.763	863.386	101.834	820.018	1164.214	2.387
%RSD		2.009	4.329	0.782	7.503	0.526	1.303	0.650	1.209	41.660

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:31:03	16048.071	126692.110	20524.108	7344.075	221.877	40908.489	656.265	15.625	51.563
2	02:32:11	15359.815	122209.570	20043.739	7226.828	225.002	40439.970	717.206	9.375	59.375
3	02:33:19	14619.977	125158.370	19668.218	7220.574	259.377	41315.909	803.148	26.563	53.125
x		15342.621	124686.680	20078.688	7263.825	235.419	40888.123	725.539	17.188	54.688
σ		714.202	2278.195	429.014	69.568	20.808	438.324	73.795	8.700	4.134
%RSD		4.655	1.827	2.137	0.958	8.839	1.072	10.171	50.616	7.559

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:31:03	9073.193	4642.942	3070.642	183.855	46.875	49.479	160.938	23.438	17.188
2	02:32:11	9179.511	4547.599	2817.465	155.209	54.688	40.625	163.022	20.833	10.417
3	02:33:19	9426.547	4558.540	2990.938	157.813	40.625	40.104	168.751	16.667	12.500
x		9226.417	4583.027	2959.682	165.626	47.396	43.403	164.237	20.313	13.368
σ		181.287	52.176	129.450	15.841	7.046	5.269	4.046	3.415	3.468
%RSD		1.965	1.138	4.374	9.564	14.866	12.139	2.463	16.814	25.942

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:31:03	17.188	15.625	25.000	9.375	34.375	0.000	197992.280	112.500	10.938
2	02:32:11	28.125	18.750	17.188	17.188	39.063	0.000	195906.000	101.563	9.375
3	02:33:19	18.750	25.000	39.063	14.063	34.375	0.000	191789.770	110.938	9.375
x		21.354	19.792	27.083	13.542	35.938	0.000	195229.350	108.334	9.896
σ		5.916	4.774	11.085	3.932	2.706	0.000	3156.132	5.916	0.902
%RSD		27.702	24.119	40.930	29.038	7.531	0.000	1.617	5.461	9.116

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:31:03	0.000	0.000	9.375	4.688	101.563	31.250	87.500	154.688	383645.690
2	02:32:11	1.563	1.563	14.063	3.125	109.375	26.563	101.563	173.439	381156.940
3	02:33:19	3.125	3.125	17.188	0.000	109.375	17.188	104.688	209.377	380596.990
x		1.563	1.563	13.542	2.604	106.771	25.000	97.917	179.168	381799.870
σ		1.563	1.563	3.932	2.387	4.511	7.160	9.155	27.791	1622.852
%RSD		100.000	100.000	29.038	91.652	4.225	28.641	9.350	15.511	0.425

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:31:03	394854.340	21.875	28.125	1176.611	1073.478	2559.604	287932.100	717.206
2	02:32:11	398489.140	14.063	45.313	1140.670	1078.166	2408.015	303472.280	707.830
3	02:33:19	392106.760	14.063	57.813	1245.367	1034.412	2487.717	292197.080	728.144
x		395150.080	16.667	43.750	1187.549	1062.019	2485.112	294533.820	717.726
σ		3201.452	4.511	14.905	53.198	24.022	75.828	8029.293	10.167
%RSD		0.810	27.063	34.069	4.480	2.262	3.051	2.726	1.417

C2339-19 MF4Q58 06/05/2011 02:37:50 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:38:58	33050.688	6.250	11169.990	410.943	119096210.000	15409070.000	2137696.400	2540427.300	2270.493
2	02:40:06	33670.884	2.604	11104.314	385.943	118517890.000	15353967.000	2153407.600	2490498.500	2167.352
3	02:41:14	32884.681	2.604	11313.853	407.818	116728420.000	15324021.000	2135518.400	2517995.500	2089.215
x		33202.084	3.819	11196.053	401.568	118114170.000	15362353.000	2142207.500	2516307.100	2175.687
σ		414.390	2.105	107.173	13.622	1234445.000	43139.963	9760.546	25007.196	90.926
%RSD		1.248	55.111	0.957	3.392	1.045	0.281	0.456	0.994	4.179

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:38:58	4758872.700	2042.908	277016.290	364260.540	3284942.700	219377.660	3617912.300	105047.130	78.125
2	02:40:06	4722001.800	2087.368	274232.090	391238.110	3250507.600	219721.870	3505101.400	107129.900	79.688
3	02:41:14	4577004.900	2376.354	276127.450	404740.950	3281902.400	218349.850	3514696.100	104484.680	68.750
x		4685959.800	2168.877	275791.940	386746.530	3272450.900	219149.790	3545903.300	105553.900	75.521
σ		96141.764	181.050	1422.100	20610.593	19064.186	713.828	62545.885	1393.522	5.916
%RSD		2.052	8.348	0.516	5.329	0.583	0.326	1.764	1.320	7.833

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:38:58	82976.217	334121.510	61224.666	16822.399	1661.034	108708.920	7952.213	218.752	685.954
2	02:40:06	86165.325	330195.870	62542.857	16969.448	1592.276	107055.890	7786.497	234.377	598.450
3	02:41:14	90031.243	326586.170	63272.623	17368.364	1661.034	104976.480	7325.315	220.314	681.266
x		86390.928	330301.180	62346.715	17053.404	1638.115	106913.760	7688.008	224.481	655.223
σ		3532.920	3768.773	1037.972	282.499	39.697	1870.278	324.846	8.606	49.223
%RSD		4.089	1.141	1.665	1.657	2.423	1.749	4.225	3.834	7.512

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:38:58	1614.154	718.768	37788.977	1085.458	285.940	300.524	367.713	168.751	6.771
2	02:40:06	1567.274	748.457	36491.861	1076.082	304.691	282.294	397.401	178.647	10.417
3	02:41:14	1496.953	817.211	37060.510	1157.339	271.878	283.336	360.942	154.168	11.458
x		1559.460	761.479	37113.782	1106.293	287.503	288.718	375.352	167.188	9.549
σ		58.989	50.497	650.197	44.455	16.462	10.237	19.393	12.314	2.461
%RSD		3.783	6.631	1.752	4.018	5.726	3.546	5.167	7.366	25.777

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:38:58	85.938	173.439	128.126	92.188	212.502	1.563	174802.010	104.688	32.813
2	02:40:06	70.313	132.813	160.938	101.563	200.001	0.000	176953.250	71.875	18.750
3	02:41:14	68.750	120.313	139.063	95.313	231.252	1.563	171267.400	87.500	21.875
x		75.000	142.188	142.709	96.354	214.585	1.042	174340.890	88.021	24.479
σ		9.504	27.776	16.707	4.774	15.729	0.902	2870.839	16.413	7.384
%RSD		12.672	19.535	11.707	4.954	7.330	86.603	1.647	18.646	30.165

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:38:58	1.563	1.563	32.813	4.688	135.938	68.750	4206.869	7104.891	363765.350
2	02:40:06	1.563	1.563	17.188	3.125	165.626	54.688	4124.033	7122.087	369309.590
3	02:41:14	1.563	1.563	18.750	7.813	146.876	50.000	4297.521	6931.369	362483.370
x		1.563	1.563	22.917	5.208	149.480	57.813	4209.474	7052.783	365186.100
σ		0.000	0.000	8.606	2.387	15.014	9.758	86.774	105.498	3628.119
%RSD		0.000	0.000	37.552	45.826	10.044	16.878	2.061	1.496	0.993

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:38:58	380159.000	35.938	79.688	240.627	273.440	590.637	272701.650	16509.534
2	02:40:06	382769.520	26.563	60.938	289.065	262.502	646.890	282149.670	17107.112
3	02:41:14	384306.850	35.938	81.250	289.065	262.502	631.264	269408.800	16736.360
x		382411.790	32.813	73.959	272.919	266.148	622.930	274753.370	16784.335
σ		2096.940	5.413	11.303	27.966	6.315	29.037	6613.598	301.664
%RSD		0.548	16.496	15.284	10.247	2.373	4.661	2.407	1.797

C2339-20 MF4Q59 06/05/2011 02:45:45 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:46:53	33840.033	3.646	11232.539	396.881	118352160.000	15452840.000	2148998.800	2581903.400	1734.480
2	02:48:01	33459.450	5.729	11456.154	385.943	116487960.000	15303771.000	2114659.700	2512618.600	1776.673
3	02:49:09	33706.906	4.167	11498.376	384.380	119409440.000	15801541.000	2161446.300	2562284.900	1911.065
x		33668.796	4.514	11395.690	389.068	118083190.000	15519384.000	2141701.600	2552269.000	1807.406
σ		193.132	1.084	142.861	6.811	1479193.900	255470.160	24231.873	35711.809	92.217
%RSD		0.574	24.019	1.254	1.751	1.253	1.646	1.131	1.399	5.102

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:46:53	4661825.500	2054.023	276073.300	410897.380	3259486.400	220330.310	3565280.600	105720.100	92.188
2	02:48:01	4632864.800	1971.773	272040.790	392137.270	3284335.600	214691.940	3453026.100	103435.930	82.813
3	02:49:09	4747937.300	2211.854	281083.650	379842.940	3296588.400	222521.670	3560205.000	105368.880	84.375
x		4680875.800	2079.217	276399.250	394292.530	3280136.800	219181.310	3526170.600	104841.640	86.459
σ		59854.900	122.007	4530.237	15639.001	18904.010	4039.344	63395.807	1229.977	5.023
%RSD		1.279	5.868	1.639	3.966	0.576	1.843	1.798	1.173	5.809

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:46:53	89457.342	329385.280	64036.955	16112.206	551.573	93684.307	7292.486	201.564	626.576
2	02:48:01	92047.154	328478.830	64291.218	16160.698	553.136	91966.952	6865.712	190.626	592.200
3	02:49:09	95178.511	334055.940	65196.871	16074.664	618.763	95055.823	7367.524	170.314	596.887
x		92227.669	330640.020	64508.348	16115.856	574.491	93569.027	7175.241	187.501	605.221
σ		2864.853	2992.793	609.681	43.133	38.349	1547.659	270.673	15.858	18.642
%RSD		3.106	0.905	0.945	0.268	6.675	1.654	3.772	8.457	3.080

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:46:53	1123.482	623.451	36026.620	1088.062	331.254	296.357	374.484	176.043	6.771
2	02:48:01	1065.665	512.509	36178.566	1127.128	296.878	286.982	384.901	183.335	14.583
3	02:49:09	1190.675	560.949	36153.502	1167.235	323.441	330.733	392.714	191.147	10.938
x		1126.607	565.636	36119.563	1127.475	317.191	304.691	384.033	183.508	10.764
σ		62.564	55.619	81.460	39.588	18.020	23.035	9.146	7.554	3.909
%RSD		5.553	9.833	0.226	3.511	5.681	7.560	2.382	4.116	36.317

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:46:53	89.063	146.876	140.626	85.938	225.002	0.000	179501.940	84.375	17.188
2	02:48:01	89.063	125.001	139.063	109.375	176.564	0.000	176920.030	93.750	12.500
3	02:49:09	87.500	125.001	143.751	89.063	210.939	0.000	175170.550	110.938	20.313
x		88.542	132.292	141.147	94.792	204.168	0.000	177197.510	96.354	16.667
σ		0.902	12.630	2.387	12.726	24.919	0.000	2178.989	13.471	3.932
%RSD		1.019	9.547	1.691	13.425	12.205	0.000	1.230	13.981	23.593

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:46:53	0.000	0.000	12.500	4.688	82.813	56.250	4206.869	7325.315	378662.210
2	02:48:01	0.000	0.000	15.625	4.688	35.938	37.500	3978.679	7034.544	377077.360
3	02:49:09	0.000	0.000	6.250	3.125	34.375	42.188	4066.204	7211.195	367589.510
x		0.000	0.000	11.458	4.167	51.042	45.313	4083.917	7190.351	374443.030
σ		0.000	0.000	4.774	0.902	27.526	9.758	115.122	146.502	5987.983
%RSD		0.000	0.000	41.660	21.651	53.927	21.535	2.819	2.037	1.599

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:46:53	400026.540	12.500	50.000	198.439	179.689	442.194	278454.790	17130.577
2	02:48:01	387784.910	12.500	37.500	223.439	195.314	395.318	277650.300	17136.835
3	02:49:09	385956.700	15.625	35.938	187.501	198.439	468.758	277599.320	17085.211
x		391256.050	13.542	41.146	203.126	191.147	435.423	277901.470	17117.541
σ		7650.273	1.804	7.708	18.422	10.046	37.185	479.869	28.173
%RSD		1.955	13.323	18.732	9.069	5.255	8.540	0.173	0.165

C2339-19X25 MF4Q58 06/05/2011 02:53:41 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:54:49	39156.715	2.604	860.963	293.753	5544260.600	727599.030	92674.629	109491.430	2276.744
2	02:55:57	38407.811	2.083	914.092	296.878	5803532.200	757975.300	94338.592	114250.350	2478.340
3	02:57:05	39424.638	0.521	765.646	310.941	5782448.200	770720.640	96290.613	113930.630	2307.999
x		38996.388	1.736	846.900	300.524	5710080.300	752098.320	94434.611	112557.470	2354.361
σ		527.032	1.084	75.216	9.156	143990.560	22153.388	1809.904	2660.077	108.500
%RSD		1.351	62.450	8.881	3.047	2.522	2.946	1.917	2.363	4.608

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:54:49	207781.400	1106.293	32715.543	48055.692	196899.200	8741.736	144798.880	100126.220	18.750
2	02:55:57	213998.740	1278.182	32837.698	49012.057	202500.120	9140.423	151622.250	98079.282	9.375
3	02:57:05	212279.620	1268.806	32731.204	52725.244	200167.590	9121.661	151227.480	97599.450	23.438
x		211353.250	1217.761	32761.481	49930.998	199855.640	9001.274	149216.200	98601.651	17.188
σ		3210.521	96.648	66.468	2466.682	2813.461	224.962	3830.601	1341.937	7.160
%RSD		1.519	7.936	0.203	4.940	1.408	2.499	2.567	1.361	41.660

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:54:49	20602.345	15886.954	8647.929	3919.288	229.689	44188.549	782.834	14.063	32.813
2	02:55:57	19145.633	16561.156	8394.653	4139.662	257.815	44122.721	804.710	18.750	35.938
3	02:57:05	19300.529	16917.824	8097.607	4191.240	237.502	45812.402	835.962	21.875	57.813
x		19682.836	16455.311	8380.063	4083.397	241.669	44707.891	807.835	18.229	42.188
σ		800.076	523.522	275.451	144.443	14.518	957.101	26.702	3.932	13.622
%RSD		4.065	3.181	3.287	3.537	6.008	2.141	3.305	21.571	32.288

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:54:49	93.750	60.938	2192.356	181.251	54.688	57.292	175.001	20.833	6.250
2	02:55:57	101.563	32.813	2347.068	163.543	50.000	58.333	171.876	19.792	14.063
3	02:57:05	112.500	70.313	2334.566	168.230	60.938	51.563	171.355	16.667	8.333
x		102.605	54.688	2291.330	171.008	55.208	55.729	172.744	19.097	9.549
σ		9.418	19.516	85.942	9.175	5.487	3.646	1.972	2.168	4.046
%RSD		9.179	35.686	3.751	5.365	9.939	6.542	1.141	11.355	42.368

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:54:49	14.063	18.750	12.500	4.688	15.625	0.000	201514.450	107.813	6.250
2	02:55:57	10.938	9.375	14.063	1.563	15.625	0.000	194752.890	109.375	0.000
3	02:57:05	10.938	10.938	10.938	9.375	17.188	0.000	198069.910	125.001	3.125
x		11.979	13.021	12.500	5.208	16.146	0.000	198112.420	114.063	3.125
σ		1.804	5.023	1.563	3.932	0.902	0.000	3380.981	9.504	3.125
%RSD		15.061	38.575	12.500	75.498	5.587	0.000	1.707	8.333	100.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:54:49	0.000	0.000	1.563	0.000	39.063	14.063	189.064	364.067	380627.480
2	02:55:57	0.000	0.000	0.000	1.563	35.938	14.063	198.439	360.942	381400.820
3	02:57:05	0.000	0.000	0.000	0.000	39.063	7.813	189.064	317.191	382313.810
x		0.000	0.000	0.521	0.521	38.021	11.979	192.189	347.400	381447.370
σ		0.000	0.000	0.902	0.902	1.804	3.608	5.413	26.208	844.129
%RSD		0.000	0.000	173.205	173.205	4.745	30.123	2.816	7.544	0.221

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:54:49	393089.470	9.375	18.750	37.500	21.875	67.188	302449.360	676.579
2	02:55:57	396026.760	10.938	25.000	39.063	12.500	81.250	294211.230	690.642
3	02:57:05	399565.460	9.375	20.313	35.938	25.000	65.625	303561.640	778.146
x		396227.230	9.896	21.354	37.500	19.792	71.354	300074.080	715.122
σ		3242.647	0.902	3.253	1.563	6.505	8.606	5107.743	55.032
%RSD		0.818	9.116	15.232	4.167	32.868	12.060	1.702	7.695

C2339-20X25 MF4Q59 06/05/2011 03:01:37 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:02:45	39476.343	3.646	759.395	318.754	5841168.400	752704.560	95947.693	113165.200	1260.993
2	03:03:53	39996.537	2.083	718.768	326.566	5910243.300	763200.730	94868.647	114486.610	1357.877
3	03:05:01	40512.049	4.167	729.706	329.691	5861018.200	783741.990	95398.722	115200.120	1389.130
x		39994.976	3.299	735.956	325.004	5870810.000	766549.090	95405.021	114283.980	1336.000
σ		517.855	1.084	21.022	5.634	35563.255	15787.311	539.550	1032.481	66.811
%RSD		1.295	32.868	2.856	1.733	0.606	2.060	0.566	0.903	5.001

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:02:45	214945.610	1287.558	34460.263	75467.562	209805.980	9420.292	154017.990	101289.060	6.250
2	03:03:53	219496.840	1232.866	34568.336	78348.635	209798.050	9478.143	152828.760	102762.030	6.250
3	03:05:01	218754.330	1356.314	34757.857	81972.007	208269.680	9470.326	153425.730	103421.450	3.125
x		217732.260	1292.246	34595.485	78596.068	209291.240	9456.254	153424.160	102490.850	5.208
σ		2441.702	61.858	150.644	3259.274	884.703	31.388	594.618	1091.751	1.804
%RSD		1.121	4.787	0.435	4.147	0.423	0.332	0.388	1.065	34.641

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:02:45	15944.831	16497.020	7301.866	4220.936	204.689	46061.639	773.458	21.875	40.625
2	03:03:53	15972.987	16745.746	7179.929	4069.330	218.752	46964.572	778.146	23.438	62.500
3	03:05:01	15655.449	16690.995	6928.242	4219.373	264.065	46767.050	837.525	18.750	56.250
x		15857.756	16644.587	7136.679	4169.880	229.169	46597.754	796.376	21.354	53.125
σ		175.768	130.696	190.530	87.082	31.028	474.677	35.712	2.387	11.267
%RSD		1.108	0.785	2.670	2.088	13.540	1.019	4.484	11.177	21.209

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:02:45	107.813	53.125	1954.821	160.418	54.688	56.771	181.251	17.708	9.375
2	03:03:53	87.500	50.000	1903.252	151.563	56.250	52.083	175.001	21.875	7.813
3	03:05:01	96.875	39.063	1962.635	159.897	40.625	56.250	178.126	18.750	7.292
x		97.396	47.396	1940.236	157.293	50.521	55.035	178.126	19.444	8.160
σ		10.166	7.384	32.267	4.968	8.606	2.569	3.125	2.168	1.084
%RSD		10.438	15.580	1.663	3.159	17.034	4.668	1.754	11.152	13.287

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:02:45	7.813	18.750	9.375	12.500	18.750	0.000	211033.230	112.500	10.938
2	03:03:53	14.063	18.750	3.125	12.500	20.313	0.000	209252.640	135.938	6.250
3	03:05:01	10.938	12.500	15.625	14.063	10.938	0.000	211501.010	134.376	10.938
x		10.938	16.667	9.375	13.021	16.667	0.000	210595.630	127.605	9.375
σ		3.125	3.608	6.250	0.902	5.023	0.000	1186.347	13.104	2.706
%RSD		28.571	21.651	66.667	6.928	30.136	0.000	0.563	10.269	28.868

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:02:45	1.563	1.563	6.250	0.000	18.750	7.813	167.188	314.066	400433.000
2	03:03:53	0.000	0.000	10.938	1.563	34.375	10.938	181.251	395.318	403575.860
3	03:05:01	0.000	0.000	7.813	3.125	35.938	6.250	215.627	403.131	413248.120
x		0.521	0.521	8.333	1.563	29.688	8.333	188.022	370.838	405752.330
σ		0.902	0.902	2.387	1.563	9.504	2.387	24.919	49.321	6679.042
%RSD		173.205	173.205	28.641	100.000	32.015	28.641	13.253	13.300	1.646

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:02:45	413174.150	21.875	32.813	34.375	28.125	65.625	319227.300	701.580
2	03:03:53	425036.530	12.500	23.438	28.125	43.750	65.625	319019.610	775.021
3	03:05:01	424993.080	12.500	35.938	37.500	21.875	34.375	321935.510	793.772
x		421067.920	15.625	30.729	33.333	31.250	55.208	320060.810	756.791
σ		6836.237	5.413	6.505	4.774	11.267	18.042	1626.854	48.725
%RSD		1.624	34.641	21.170	14.321	36.056	32.680	0.508	6.438

zzzzzz 06/05/2011 03:09:32 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:10:41	40809.770	4.688	137.501	268.753	41405.229	3525.435	475.008	571.886	1017.224
2	03:11:49	41065.188	4.167	150.001	298.441	42555.477	3842.704	551.573	620.326	1009.411
3	03:12:57	40732.989	4.167	142.188	301.566	34073.399	2739.325	376.567	451.570	932.843
x		40869.315	4.340	143.230	289.586	39344.702	3369.155	467.716	547.927	986.492
σ		173.920	0.301	6.315	18.110	4601.168	568.048	87.730	86.892	46.626
%RSD		0.426	6.928	4.409	6.254	11.695	16.860	18.757	15.858	4.726

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:10:41	4099.026	1307.872	22123.367	46738.833	63730.903	46.875	823.461	103018.550	3.125
2	03:11:49	4220.936	1317.248	21963.746	44958.132	64066.775	42.188	818.773	101702.930	1.563
3	03:12:57	3855.208	1290.683	21785.348	41952.134	64219.019	18.750	671.891	100253.670	1.563
x		4058.390	1305.268	21957.487	44549.700	64005.566	35.938	771.375	101658.380	2.083
σ		186.220	13.473	169.096	2419.346	249.748	15.068	86.188	1382.978	0.902
%RSD		4.589	1.032	0.770	5.431	0.390	41.929	11.173	1.360	43.301

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:10:41	10005.065	468.758	3470.734	3442.602	131.251	44433.056	417.194	7.813	7.813
2	03:11:49	9431.237	490.633	3422.285	3497.303	151.563	44186.982	398.443	7.813	4.688
3	03:12:57	9412.475	432.819	3101.899	3648.903	126.563	43702.683	412.506	4.688	15.625
x		9616.259	464.070	3331.639	3529.603	136.459	44107.573	409.381	6.771	9.375
σ		336.846	29.191	200.430	106.876	13.289	371.605	9.758	1.804	5.634
%RSD		3.503	6.290	6.016	3.028	9.738	0.842	2.384	26.647	60.093

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:10:41	46.875	10.938	98.438	79.167	17.188	41.146	161.980	11.458	9.896
2	03:11:49	40.625	15.625	92.188	89.584	21.875	31.250	188.022	9.375	13.021
3	03:12:57	35.938	15.625	90.625	78.646	29.688	35.938	146.876	11.979	10.417
x		41.146	14.063	93.750	82.466	22.917	36.111	165.626	10.938	11.111
σ		5.487	2.706	4.134	6.170	6.315	4.950	20.814	1.378	1.674
%RSD		13.336	19.245	4.410	7.482	27.555	13.708	12.567	12.599	15.068

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:10:41	9.375	6.250	4.688	4.688	6.250	0.000	210143.700	121.876	1.563
2	03:11:49	3.125	4.688	1.563	7.813	3.125	0.000	209003.720	132.813	4.688
3	03:12:57	15.625	3.125	1.563	1.563	4.688	0.000	203969.240	120.313	0.000
x		9.375	4.688	2.604	4.688	4.688	0.000	207705.550	125.001	2.083
σ		6.250	1.563	1.804	3.125	1.563	0.000	3285.566	6.811	2.387
%RSD		66.667	33.333	69.282	66.667	33.333	0.000	1.582	5.449	114.564

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:10:41	1.563	1.563	7.813	1.563	18.750	10.938	3.125	6.250	400198.440
2	03:11:49	0.000	0.000	9.375	3.125	25.000	7.813	6.250	1.563	394300.280
3	03:12:57	0.000	0.000	6.250	1.563	23.438	9.375	6.250	1.563	385651.750
x		0.521	0.521	7.813	2.083	22.396	9.375	5.208	3.125	393383.490
σ		0.902	0.902	1.563	0.902	3.253	1.563	1.804	2.706	7316.549
%RSD		173.205	173.205	20.000	43.301	14.523	16.667	34.641	86.603	1.860

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:10:41	418196.860	20.313	37.500	12.500	14.063	42.188	308945.550	6.250
2	03:11:49	413195.060	25.000	34.375	9.375	18.750	18.750	315759.310	14.063
3	03:12:57	412133.800	14.063	32.813	9.375	18.750	32.813	307424.190	4.688
x		414508.570	19.792	34.896	10.417	17.188	31.250	310709.680	8.333
σ		3237.927	5.487	2.387	1.804	2.706	11.797	4438.770	5.023
%RSD		0.781	27.725	6.840	17.321	15.746	37.749	1.429	60.273

zzzzzz 06/05/2011 03:17:29 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:18:37	39535.882	3.125	128.126	281.253	29586.857	2306.436	337.504	396.881	1148.484
2	03:19:45	40651.507	2.604	114.063	329.691	31533.201	2420.517	356.254	417.194	1128.170
3	03:20:53	40178.296	8.333	112.500	320.316	30346.260	2345.505	306.253	356.254	1135.983
x		40121.895	4.688	118.230	310.420	30488.772	2357.486	333.337	390.110	1137.545
σ		559.947	3.168	8.606	25.691	980.967	57.977	25.260	31.029	10.247
%RSD		1.396	67.586	7.279	8.276	3.217	2.459	7.578	7.954	0.901

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:18:37	3675.473	1225.053	21849.509	44246.541	64022.829	26.563	456.257	100716.280	1.563
2	03:19:45	3878.652	1298.497	22559.987	49494.968	64393.238	28.125	517.197	101451.140	3.125
3	03:20:53	3864.585	1312.560	22663.275	53499.991	64799.758	15.625	532.822	100352.800	3.125
x		3806.237	1278.703	22357.590	49080.500	64405.275	23.438	502.092	100840.080	2.604
σ		113.463	46.992	443.032	4640.628	388.604	6.811	40.456	559.537	0.902
%RSD		2.981	3.675	1.982	9.455	0.603	29.059	8.057	0.555	34.641

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:18:37	7910.002	398.443	2739.325	3598.891	157.813	44208.924	437.507	4.688	37.500
2	03:19:45	8128.875	431.257	2745.576	3644.215	200.001	44723.021	473.445	9.375	25.000
3	03:20:53	7853.721	367.192	2637.744	3561.381	198.439	45302.969	464.070	12.500	25.000
x		7964.199	398.964	2707.548	3601.496	185.418	44744.971	458.341	8.854	29.167
σ		145.363	32.035	60.533	41.478	23.919	547.352	18.642	3.932	7.217
%RSD		1.825	8.030	2.236	1.152	12.900	1.223	4.067	44.411	24.744

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:18:37	26.563	10.938	110.938	59.896	28.125	22.917	160.938	8.854	8.854
2	03:19:45	31.250	15.625	106.250	66.146	26.563	24.479	201.564	7.813	10.938
3	03:20:53	34.375	21.875	100.000	66.667	21.875	17.708	175.522	5.729	13.542
x		30.729	16.146	105.730	64.236	25.521	21.701	179.341	7.465	11.111
σ		3.932	5.487	5.487	3.768	3.253	3.545	20.580	1.591	2.349
%RSD		12.796	33.986	5.190	5.866	12.745	16.336	11.475	21.314	21.137

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:18:37	10.938	4.688	7.813	3.125	4.688	1.563	203794.900	117.188	9.375
2	03:19:45	3.125	6.250	9.375	3.125	7.813	0.000	208111.150	121.876	4.688
3	03:20:53	6.250	6.250	1.563	3.125	6.250	1.563	204569.920	121.876	3.125
x		6.771	5.729	6.250	3.125	6.250	1.042	205491.990	120.313	5.729
σ		3.932	0.902	4.134	0.000	1.563	0.902	2301.120	2.706	3.253
%RSD		58.076	15.746	66.144	0.000	25.000	86.603	1.120	2.249	56.773

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:18:37	0.000	0.000	6.250	1.563	31.250	12.500	1.563	6.250	386540.930
2	03:19:45	3.125	3.125	4.688	0.000	26.563	9.375	3.125	10.938	405186.120
3	03:20:53	1.563	1.563	4.688	1.563	40.625	10.938	3.125	4.688	399263.440
x		1.563	1.563	5.208	1.042	32.813	10.938	2.604	7.292	396996.830
σ		1.563	1.563	0.902	0.902	7.160	1.563	0.902	3.253	9527.007
%RSD		100.000	100.000	17.321	86.603	21.822	14.286	34.641	44.607	2.400

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:18:37	408299.460	12.500	32.813	18.750	10.938	32.813	310692.190	15.625
2	03:19:45	421438.500	12.500	40.625	10.938	12.500	26.563	318331.070	12.500
3	03:20:53	412363.730	10.938	45.313	7.813	12.500	28.125	312376.780	15.625
x		414033.900	11.979	39.583	12.500	11.979	29.167	313800.010	14.583
σ		6726.863	0.902	6.315	5.634	0.902	3.253	4013.392	1.804
%RSD		1.625	7.531	15.953	45.069	7.531	11.152	1.279	12.372

ZZZZZZ 06/05/2011 03:25:27 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:26:35	41251.661	1.042	103.125	301.566	28110.442	2132.972	262.502	321.879	1045.351
2	03:27:43	41312.775	2.083	118.750	328.129	25992.375	2043.896	276.565	328.129	1042.226
3	03:28:51	41806.395	4.688	68.750	350.004	23527.170	1796.988	229.689	296.878	981.284
x		41456.944	2.604	96.875	326.566	25876.662	1991.285	256.252	315.628	1022.953
σ		304.173	1.878	25.579	24.257	2293.826	174.061	24.055	16.536	36.121
%RSD		0.734	72.111	26.404	7.428	8.864	8.741	9.387	5.239	3.531

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:26:35	3623.897	1264.118	22688.315	63132.944	65317.734	15.625	468.758	105887.850	7.813
2	03:27:43	3708.294	1362.565	22951.234	64124.848	65057.174	15.625	453.132	106119.250	3.125
3	03:28:51	3473.860	1309.435	22514.603	61155.621	64751.100	10.938	379.693	105552.570	4.688
x		3602.017	1312.040	22718.051	62804.471	65042.003	14.063	433.861	105853.230	5.208
σ		118.739	49.275	219.829	1511.621	283.621	2.706	47.557	284.920	2.387
%RSD		3.296	3.756	0.968	2.407	0.436	19.245	10.961	0.269	45.826

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:26:35	6812.562	414.069	2470.526	3706.731	114.063	45263.782	470.320	17.188	1.563
2	03:27:43	6693.755	396.881	2318.938	3536.375	139.063	45252.810	396.881	7.813	4.688
3	03:28:51	6795.366	340.629	2204.858	3500.429	159.376	45368.802	462.507	6.250	21.875
x		6767.228	383.859	2331.441	3581.178	137.501	45295.132	443.236	10.417	9.375
σ		64.207	38.412	133.275	110.207	22.697	64.036	40.335	5.916	10.938
%RSD		0.949	10.007	5.716	3.077	16.507	0.141	9.100	56.789	116.667

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:26:35	28.125	20.313	92.188	64.063	17.188	18.750	194.793	13.021	11.979
2	03:27:43	37.500	23.438	98.438	69.792	12.500	25.000	190.105	5.729	15.104
3	03:28:51	25.000	15.625	71.875	55.208	21.875	17.708	162.501	8.333	7.813
x		30.208	19.792	87.500	63.021	17.188	20.486	182.466	9.028	11.632
σ		6.505	3.932	13.888	7.347	4.688	3.944	17.449	3.695	3.658
%RSD		21.534	19.868	15.872	11.658	27.273	19.251	9.563	40.930	31.450

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:26:35	14.063	1.563	6.250	9.375	10.938	0.000	218387.850	120.313	4.688
2	03:27:43	9.375	1.563	6.250	1.563	9.375	0.000	224620.880	123.438	6.250
3	03:28:51	9.375	6.250	3.125	0.000	7.813	0.000	217915.090	131.251	4.688
x		10.938	3.125	5.208	3.646	9.375	0.000	220307.940	125.001	5.208
σ		2.706	2.706	1.804	5.023	1.563	0.000	3742.590	5.634	0.902
%RSD		24.744	86.603	34.641	137.766	16.667	0.000	1.699	4.507	17.321

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:26:35	1.563	1.563	6.250	4.688	20.313	4.688	6.250	3.125	419736.350
2	03:27:43	0.000	0.000	3.125	0.000	25.000	3.125	3.125	7.813	425331.040
3	03:28:51	0.000	0.000	1.563	3.125	20.313	4.688	1.563	1.563	413704.810
x		0.521	0.521	3.646	2.604	21.875	4.167	3.646	4.167	419590.730
σ		0.902	0.902	2.387	2.387	2.706	0.902	2.387	3.253	5814.483
%RSD		173.205	173.205	65.465	91.652	12.372	21.651	65.465	78.062	1.386

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:26:35	443381.660	25.000	46.875	10.938	14.063	28.125	333469.030	4.688
2	03:27:43	439808.080	15.625	39.063	7.813	3.125	32.813	334617.290	4.688
3	03:28:51	435357.640	10.938	43.750	14.063	20.313	31.250	332591.100	7.813
x		439515.800	17.188	43.229	10.938	12.500	30.729	333559.140	5.729
σ		4019.987	7.160	3.932	3.125	8.700	2.387	1016.095	1.804
%RSD		0.915	41.660	9.096	28.571	69.597	7.767	0.305	31.492

CCV 06/05/2011 03:33:22 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:34:30	37539.884	40168.372	9303.028	376.567	31432683.000	22033975.000	3016730.200	3611086.800	4995112.400
2	03:35:38	37760.777	40471.831	9440.618	406.256	30884586.000	21564170.000	3040611.400	3612625.800	4941951.500
3	03:36:45	37741.978	40406.020	9640.752	401.568	30559239.000	21826854.000	3026783.900	3554737.300	4859671.200
x		37680.880	40348.741	9461.466	394.797	30958836.000	21808333.000	3028041.800	3592816.700	4932245.000
σ		122.467	159.632	169.824	15.960	441430.180	235449.210	11990.181	32986.640	68240.332
%RSD		0.325	0.396	1.795	4.043	1.426	1.080	0.396	0.918	1.384

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:34:30	111941.000	191020.190	21007.622	41500.819	10866717.000	55338.923	775439.640	95527.705	23704.025
2	03:35:38	112177.550	191458.810	21049.872	39770.908	10651302.000	54580.191	762244.670	95749.495	23641.421
3	03:36:45	112066.870	187223.540	20729.091	38624.018	10828497.000	56092.806	769440.450	94321.291	24256.513
x		112061.810	189900.850	20928.862	39965.248	10782172.000	55337.307	769041.580	95199.497	23867.320
σ		118.355	2328.962	174.292	1448.213	114936.830	756.309	6606.522	768.591	338.502
%RSD		0.106	1.226	0.833	3.624	1.066	1.367	0.859	0.807	1.418

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:34:30	352931.430	345000.560	43760.672	1374733.100	1028766.100	25095335.000	594534.180	423243.840	87141.532
2	03:35:38	351981.860	340628.760	43782.614	1368052.300	1036031.200	25283511.000	578120.600	419348.650	86712.370
3	03:36:45	357029.840	339860.790	43676.039	1371521.900	1026597.800	25440854.000	598594.020	412473.070	87194.982
x		353981.040	341830.040	43739.775	1371435.700	1030465.000	25273233.000	590416.260	418355.190	87016.295
σ		2682.682	2772.474	56.277	3341.213	4940.825	172988.640	10840.115	5453.675	264.560
%RSD		0.758	0.811	0.129	0.244	0.479	0.684	1.836	1.304	0.304

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:34:30	417466.590	211805.480	152238.130	51218.214	3700.479	3775.499	11787.674	5046.725	10.938
2	03:35:38	425117.000	210303.850	153776.350	52054.562	3878.652	3812.488	11858.044	5075.902	18.229
3	03:36:45	423536.710	210131.020	150606.910	51587.769	3439.477	3824.991	12021.723	5067.565	13.542
x		422040.100	210746.780	152207.130	51620.182	3672.869	3804.326	11889.147	5063.397	14.236
σ		4038.820	920.920	1584.945	419.115	220.886	25.736	120.084	15.028	3.695
%RSD		0.957	0.437	1.041	0.812	6.014	0.676	1.010	0.297	25.956

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:34:30	64732.265	109489.850	114883.530	69708.724	176901.050	3.125	193812.100	7056.430	343200.150
2	03:35:38	64090.318	109842.550	116504.390	71795.584	181685.540	0.000	191715.340	7279.980	343725.050
3	03:36:45	63807.808	110218.870	118144.330	70514.226	180307.300	0.000	192453.290	7025.164	346005.690
x		64210.130	109850.420	116510.750	70672.845	179631.300	1.042	192660.240	7120.525	344310.300
σ		473.732	364.569	1630.413	1052.433	2462.837	1.804	1063.589	138.974	1491.523
%RSD		0.738	0.332	1.399	1.489	1.371	173.205	0.552	1.952	0.433

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:34:30	5338.497	5338.497	321659.070	80828.016	205525.680	277933.860	228979.900	391726.220	379757.920
2	03:35:38	5144.676	5144.676	322557.110	82792.342	200831.500	280151.550	224762.140	389415.890	376838.360
3	03:36:45	5360.381	5360.381	320059.680	79289.744	202384.440	276422.130	225646.230	390790.160	376799.870
x		5281.185	5281.185	321425.290	80970.034	202913.870	278169.180	226462.760	390644.090	377798.710
σ		118.725	118.725	1265.020	1755.613	2391.457	1875.811	2224.276	1162.071	1696.827
%RSD		2.248	2.248	0.394	2.168	1.179	0.674	0.982	0.297	0.449

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:34:30	399684.340	391819.340	988504.720	320542.200	307521.560	695383.340	290991.600	1601894.200
2	03:35:38	398052.210	397986.350	978738.950	313029.900	302417.440	695225.950	290990.000	1592725.500
3	03:36:45	395495.140	388552.220	979079.910	315882.290	300440.440	678142.860	288713.250	1561590.800
x		397743.900	392785.970	982107.860	316484.800	303459.820	689584.050	290231.620	1585403.500
σ		2111.550	4790.771	5542.467	3792.215	3653.829	9908.673	1314.943	21125.824
%RSD		0.531	1.220	0.564	1.198	1.204	1.437	0.453	1.333

CCB 06/05/2011 03:41:15 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:42:23	40308.349	22.396	209.377	304.691	35739.964	11246.613	1584.463	1812.615	4016.190
2	03:43:31	40422.734	38.021	182.814	310.941	43928.373	15164.294	2098.592	2409.578	4692.958
3	03:44:39	40775.296	29.688	150.001	314.066	42229.512	15570.981	2061.086	2429.894	4697.647
x		40502.127	30.035	180.730	309.899	40632.616	13993.963	1914.714	2217.362	4468.932
σ		243.387	7.818	29.743	4.774	4321.466	2387.948	286.620	350.669	392.093
%RSD		0.601	26.031	16.457	1.540	10.635	17.064	14.969	15.815	8.774

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:42:23	3183.167	1501.641	21818.211	48560.519	70457.698	35.938	682.829	100407.880	15.625
2	03:43:31	3212.861	1481.327	22009.129	54306.150	74121.480	37.500	814.086	100823.290	17.188
3	03:44:39	3280.064	1611.028	22351.848	57546.925	72907.444	32.813	798.460	100063.280	14.063
x		3225.364	1531.332	22059.729	53471.198	72495.540	35.417	765.125	100431.480	15.625
σ		49.644	69.762	270.393	4551.014	1866.299	2.387	71.697	380.551	1.563
%RSD		1.539	4.556	1.226	8.511	2.574	6.739	9.371	0.379	10.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:42:23	5854.324	514.072	1886.062	4411.619	575.012	54486.522	700.017	204.689	34.375
2	03:43:31	5532.321	506.259	1832.930	4614.808	775.021	58965.191	843.775	296.878	59.375
3	03:44:39	5619.855	550.011	1884.499	4589.800	775.021	57920.304	837.525	278.128	56.250
x		5668.834	523.447	1867.831	4538.742	708.351	57124.006	793.772	259.898	50.000
σ		166.495	23.334	30.235	110.800	115.476	2343.115	81.254	48.723	13.622
%RSD		2.937	4.458	1.619	2.441	16.302	4.102	10.236	18.747	27.243

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:42:23	220.314	115.625	171.876	71.354	25.000	14.583	193.230	12.500	11.458
2	03:43:31	298.441	146.876	181.251	73.438	14.063	17.188	193.230	14.063	11.458
3	03:44:39	320.316	120.313	207.814	65.625	10.938	15.625	183.335	14.583	7.292
x		279.690	127.605	186.980	70.139	16.667	15.799	189.932	13.715	10.069
σ		52.572	16.853	18.641	4.046	7.384	1.311	5.713	1.084	2.406
%RSD		18.796	13.207	9.970	5.768	44.305	8.297	3.008	7.905	23.890

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:42:23	107.813	190.626	214.064	129.688	304.691	0.000	206343.600	123.438	195.314
2	03:43:31	79.688	154.688	176.564	96.875	292.190	1.563	209455.580	139.063	318.754
3	03:44:39	79.688	142.188	178.126	89.063	268.753	0.000	207841.640	104.688	281.253
x		89.063	162.501	189.585	105.209	288.545	0.521	207880.270	122.396	265.107
σ		16.238	25.146	21.214	21.557	18.244	0.902	1556.353	17.211	63.284
%RSD		18.232	15.475	11.190	20.489	6.323	173.205	0.749	14.062	23.871

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:42:23	3.125	3.125	196.876	48.438	351.567	487.508	89.063	159.376	388709.530
2	03:43:31	4.688	4.688	242.190	42.188	359.380	426.569	135.938	271.878	400240.210
3	03:44:39	4.688	4.688	270.315	56.250	289.065	390.630	135.938	276.565	411709.320
x		4.167	4.167	236.460	48.958	333.337	434.903	120.313	235.940	400219.690
σ		0.902	0.902	37.053	7.046	38.539	48.974	27.064	66.347	11499.908
%RSD		21.651	21.651	15.670	14.391	11.562	11.261	22.494	28.121	2.873

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:42:23	413016.570	228.127	557.823	148.438	181.251	384.380	309603.310	781.271
2	03:43:31	415349.960	342.192	889.090	229.689	206.251	523.447	314066.340	968.783
3	03:44:39	416847.330	284.378	773.458	214.064	190.626	442.194	317795.910	995.347
x		415071.290	284.899	740.124	197.397	192.710	450.007	313821.860	915.134
σ		1930.526	57.034	168.130	43.113	12.630	69.862	4101.771	116.687
%RSD		0.465	20.019	22.717	21.841	6.554	15.525	1.307	12.751

C2362-10 MJDX45 06/05/2011 03:49:10 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:50:17	36560.787	26.042	140.626	1412.570	7869432.800	3358501.700	456817.680	498011.520	3167.539
2	03:51:26	36029.753	14.063	150.001	1564.148	7604309.500	3221378.000	419700.960	502528.120	2562.730
3	03:52:33	35531.633	13.021	126.563	1529.769	7664298.200	3252749.100	455839.830	495279.910	2159.538
x		36040.724	17.708	139.063	1502.163	7712680.200	3277543.000	444119.490	498606.520	2629.936
σ		514.665	7.236	11.797	79.471	139025.950	71845.511	21152.722	3660.556	507.350
%RSD		1.428	40.860	8.483	5.290	1.803	2.192	4.763	0.734	19.291

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:50:17	2572555.300	1401.631	51872.129	519764.620	692288.320	31210.619	512995.160	94349.602	76.563
2	03:51:26	2535955.600	1493.828	52003.857	528595.570	694366.890	31077.517	513114.970	97074.013	64.063
3	03:52:33	2495169.700	1437.572	51469.113	513963.420	679908.250	30347.825	495019.550	93673.298	84.375
x		2534560.200	1444.344	51781.700	520774.540	688854.490	30878.654	507043.230	95032.304	75.000
σ		38711.668	46.470	278.605	7368.171	7817.067	464.503	10412.980	1800.216	10.246
%RSD		1.527	3.217	0.538	1.415	1.135	1.504	2.054	1.894	13.661

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:50:17	79149.909	812.523	26847.078	13237.380	31171.471	222210.180	5618.292	207.814	84.375
2	03:51:26	84291.697	914.092	28576.991	13173.258	31021.144	219874.460	5760.536	129.688	90.625
3	03:52:33	88866.170	825.024	30065.980	12874.549	30050.323	215234.280	5451.040	84.375	53.125
x		84102.592	850.546	28496.683	13095.062	30747.646	219106.310	5609.956	140.626	76.042
σ		4860.890	55.386	1610.953	193.643	608.559	3550.824	154.917	62.442	20.091
%RSD		5.780	6.512	5.653	1.479	1.979	1.621	2.761	44.403	26.421

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:50:17	359.380	229.689	1084.416	601.054	162.501	190.105	148.959	13.542	7.813
2	03:51:26	403.131	187.501	1043.788	595.846	214.064	185.939	147.917	8.333	8.854
3	03:52:33	340.629	173.439	957.845	670.849	185.939	233.856	135.417	10.938	16.146
x		367.713	196.876	1028.683	622.583	187.501	203.300	144.098	10.938	10.938
σ		32.073	29.274	64.624	41.881	25.817	26.544	7.536	2.604	4.541
%RSD		8.722	14.869	6.282	6.727	13.769	13.057	5.230	23.810	41.513

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:50:17	132.813	225.002	253.127	160.938	403.131	0.000	193580.870	81.250	137.501
2	03:51:26	118.750	228.127	285.940	129.688	401.568	0.000	196487.340	103.125	82.813
3	03:52:33	140.626	209.377	267.190	103.125	342.192	0.000	188697.430	98.438	64.063
x		130.730	220.835	268.753	131.251	382.297	0.000	192921.880	94.271	94.792
σ		11.085	10.046	16.462	28.938	34.741	0.000	3936.541	11.517	38.156
%RSD		8.480	4.549	6.125	22.048	9.087	0.000	2.040	12.217	40.253

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:50:17	4.688	4.688	143.751	42.188	159.376	201.564	187.501	285.940	384740.160
2	03:51:26	1.563	1.563	103.125	43.750	148.438	167.188	171.876	275.003	383337.580
3	03:52:33	1.563	1.563	78.125	31.250	123.438	114.063	146.876	253.127	378487.360
x		2.604	2.604	108.334	39.063	143.751	160.938	168.751	271.357	382188.370
σ		1.804	1.804	33.121	6.811	18.422	44.084	20.492	16.708	3280.993
%RSD		69.282	69.282	30.573	17.436	12.815	27.392	12.143	6.157	0.858

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:50:17	407383.230	228.127	489.071	225.002	159.376	448.445	304006.900	914.092
2	03:51:26	404059.560	115.625	304.691	168.751	123.438	295.316	300895.180	740.644
3	03:52:33	392148.510	82.813	228.127	101.563	126.563	329.691	296433.020	517.197
x		401197.100	142.188	340.629	165.105	136.459	357.817	300445.030	723.978
σ		8010.586	76.212	134.133	61.800	19.908	80.346	3806.953	198.972
%RSD		1.997	53.599	39.378	37.431	14.589	22.454	1.267	27.483

C2362-11 MJDX46 06/05/2011 03:57:04 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:58:12	34762.556	9.375	278.128	654.703	4732821.400	3506424.400	492009.770	527397.810	3528.561
2	03:59:20	34400.745	4.688	245.315	693.767	4687591.100	3442520.500	489258.240	525846.870	3747.366
3	04:00:27	35050.759	5.729	281.253	696.892	4619905.100	3495588.300	488976.740	528412.420	3339.453
x		34738.020	6.597	268.232	681.787	4680105.900	3481511.100	490081.580	527219.030	3538.460
σ		325.701	2.461	19.908	23.508	56829.100	34198.732	1675.782	1292.083	204.137
%RSD		0.938	37.309	7.422	3.448	1.214	0.982	0.342	0.245	5.769

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:58:12	2739060.500	1012.536	31835.433	385988.800	900395.540	30408.893	503587.920	91946.509	56.250
2	03:59:20	2672964.100	937.531	31819.773	369585.340	886769.080	30386.971	492110.660	90757.693	60.938
3	04:00:27	2666757.400	970.345	31176.169	362914.420	889898.720	29408.364	493114.720	86712.370	51.563
x		2692927.400	973.471	31610.458	372829.520	892354.450	30068.076	496271.100	89805.524	56.250
σ		40072.852	37.600	376.187	11874.353	7137.441	571.433	6356.408	2743.906	4.688
%RSD		1.488	3.862	1.190	3.185	0.800	1.900	1.281	3.055	8.333

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:58:12	91419.707	950.032	31176.169	7156.480	7963.156	118461.000	3276.938	273.440	360.942
2	03:59:20	94901.678	950.032	32884.681	7181.492	7958.466	117203.820	3034.697	275.003	379.693
3	04:00:27	97813.406	928.155	33208.867	7176.802	7659.866	116449.250	3264.435	259.377	404.693
x		94711.597	942.739	32423.239	7171.591	7860.496	117371.360	3192.024	269.273	381.776
σ		3201.085	12.630	1092.091	13.296	173.767	1016.286	136.392	8.606	21.950
%RSD		3.380	1.340	3.368	0.185	2.211	0.866	4.273	3.196	5.749

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:58:12	8379.019	4446.004	220734.440	703.663	221.877	220.835	137.501	13.542	8.854
2	03:59:20	8760.498	4438.189	217205.970	741.165	232.814	233.856	135.417	10.938	8.854
3	04:00:27	8721.411	4272.514	216230.400	738.561	242.190	255.211	120.313	14.063	6.771
x		8620.309	4385.569	218056.940	727.796	232.294	236.634	131.077	12.847	8.160
σ		209.875	97.987	2369.536	20.940	10.166	17.355	9.380	1.674	1.203
%RSD		2.435	2.234	1.087	2.877	4.377	7.334	7.156	13.032	14.741

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:58:12	100.000	165.626	159.376	115.625	220.314	0.000	184041.980	95.313	46.875
2	03:59:20	65.625	150.001	143.751	96.875	221.877	1.563	177413.600	98.438	51.563
3	04:00:27	85.938	153.126	165.626	112.500	225.002	0.000	180755.100	100.000	43.750
x		83.854	156.251	156.251	108.334	222.398	0.521	180736.890	97.917	47.396
σ		17.282	8.268	11.267	10.046	2.387	0.902	3314.227	2.387	3.932
%RSD		20.610	5.292	7.211	9.273	1.073	173.205	1.834	2.438	8.297

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:58:12	4.688	4.688	46.875	17.188	109.375	57.813	4039.634	6915.736	360070.360
2	03:59:20	0.000	0.000	53.125	23.438	75.000	73.438	3889.592	6503.042	350832.220
3	04:00:27	0.000	0.000	28.125	21.875	82.813	70.313	3941.169	6784.423	349869.990
x		1.563	1.563	42.708	20.833	89.063	67.188	3956.798	6734.401	353590.860
σ		2.706	2.706	13.010	3.253	18.020	8.268	76.232	210.845	5632.003
%RSD		173.205	173.205	30.463	15.613	20.233	12.306	1.927	3.131	1.593

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:58:12	370654.700	89.063	204.689	1043.788	957.845	2261.116	285212.730	1289.121
2	03:59:20	367510.970	79.688	157.813	1040.663	971.908	2289.246	280599.270	1365.690
3	04:00:27	364770.170	31.250	107.813	1014.099	998.472	2320.501	276656.290	1279.745
x		367645.280	66.667	156.772	1032.850	976.075	2290.288	280822.760	1311.519
σ		2944.563	31.028	48.446	16.314	20.632	29.706	4282.597	47.148
%RSD		0.801	46.542	30.903	1.580	2.114	1.297	1.525	3.595

C2362-12 MJDX47 06/05/2011 04:04:58 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:06:06	33280.909	4.688	145.313	1078.166	13994487.000	852924.830	107765.880	127912.290	1606.340
2	04:07:14	34771.954	1.042	137.501	1129.732	14877069.000	905599.280	115415.920	136708.820	1801.676
3	04:08:22	35313.906	2.604	139.063	1115.669	14911184.000	914019.280	114420.460	138527.780	1815.740
x		34455.590	2.778	140.626	1107.856	14594247.000	890847.800	112534.080	134382.970	1741.252
σ		1052.775	1.829	4.134	26.656	519686.710	33110.990	4159.273	5677.093	117.049
%RSD		3.055	65.848	2.940	2.406	3.561	3.717	3.696	4.225	6.722

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:06:06	1425721.900	885.965	43864.114	423060.400	337232.400	24403.639	392124.420	84370.284	57.813
2	04:07:14	1512301.100	946.906	48123.105	457307.370	368054.380	25843.668	429852.460	89881.870	23.438
3	04:08:22	1534653.800	989.097	48475.857	475690.140	364476.890	26073.773	430192.140	90883.489	48.438
x		1490892.300	940.656	46821.026	452019.300	356587.890	25440.360	417389.670	88378.547	43.229
σ		57535.137	51.849	2566.828	26710.393	16857.514	905.169	21881.010	3507.199	17.770
%RSD		3.859	5.512	5.482	5.909	4.727	3.558	5.242	3.968	41.105

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:06:06	86808.262	723.456	30314.943	2947.179	1654.783	43165.115	1209.426	57.813	90.625
2	04:07:14	99089.342	882.840	33915.211	3092.522	1656.346	45100.768	1342.251	50.000	95.313
3	04:08:22	102681.770	892.215	34828.341	3072.205	1676.661	43603.944	1281.308	54.688	70.313
x		96193.123	832.837	33019.498	3037.302	1662.597	43956.609	1277.661	54.167	85.417
σ		8323.646	94.843	2386.298	78.707	12.205	1014.873	66.487	3.932	13.289
%RSD		8.653	11.388	7.227	2.591	0.734	2.309	5.204	7.259	15.558

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:06:06	209.377	95.313	81509.999	681.787	221.877	224.481	115.105	7.292	7.813
2	04:07:14	226.564	114.063	89238.794	748.978	217.189	245.315	130.209	9.896	7.292
3	04:08:22	181.251	139.063	88564.304	749.499	271.878	260.940	128.126	12.500	11.458
x		205.731	116.146	86437.699	726.755	236.981	243.578	124.480	9.896	8.854
σ		22.876	21.949	4280.818	38.944	30.312	18.291	8.186	2.604	2.270
%RSD		11.119	18.898	4.952	5.359	12.791	7.509	6.576	26.316	25.641

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:06:06	343.754	540.635	637.514	326.566	907.841	0.000	169109.100	92.188	12.500
2	04:07:14	409.381	640.639	656.265	432.819	987.534	1.563	182647.690	85.938	15.625
3	04:08:22	350.004	639.077	718.768	393.755	1026.599	0.000	184200.250	84.375	12.500
x		367.713	606.784	670.849	384.380	973.992	0.521	178652.340	87.500	13.542
σ		36.220	57.292	42.545	53.743	60.526	0.902	8301.070	4.134	1.804
%RSD		9.850	9.442	6.342	13.982	6.214	173.205	4.646	4.725	13.323

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:06:06	0.000	0.000	12.500	25.000	73.438	48.438	253.127	412.506	340286.370
2	04:07:14	1.563	1.563	9.375	21.875	56.250	45.313	268.753	460.945	362077.970
3	04:08:22	1.563	1.563	10.938	12.500	64.063	42.188	276.565	431.257	367961.400
x		1.042	1.042	10.938	19.792	64.583	45.313	266.148	434.902	356775.250
σ		0.902	0.902	1.563	6.505	8.606	3.125	11.934	24.424	14579.646
%RSD		86.603	86.603	14.286	32.868	13.325	6.897	4.484	5.616	4.087

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:06:06	356491.640	40.625	60.938	559.386	487.508	1140.670	263950.500	642.202
2	04:07:14	380712.510	26.563	43.750	589.075	492.196	1228.178	284313.830	639.077
3	04:08:22	381407.240	20.313	39.063	607.825	514.072	1260.993	291343.980	667.203
x		372870.470	29.167	47.917	585.429	497.925	1209.947	279869.440	649.494
σ		14188.729	10.404	11.517	24.425	14.178	62.198	14227.269	15.416
%RSD		3.805	35.670	24.036	4.172	2.847	5.141	5.084	2.374

C2362-13 MJDX48 06/05/2011 04:12:53 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:14:01	35779.124	2.083	114.063	1868.872	2192110.100	5766035.400	802973.020	865553.520	1548.521
2	04:15:09	35357.764	4.688	132.813	2015.767	2210811.600	5734240.000	797726.060	875883.610	1387.567
3	04:16:17	35653.811	3.125	128.126	2040.771	2219301.800	5819047.700	805570.040	887368.710	1482.890
x		35596.900	3.299	125.001	1975.137	2207407.800	5773107.700	802089.700	876268.620	1472.993
σ		216.368	1.311	9.758	92.873	13911.745	42843.862	3995.896	10912.688	80.932
%RSD		0.608	39.736	7.806	4.702	0.630	0.742	0.498	1.245	5.494

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:14:01	1053583.700	1015.661	28066.606	515433.740	707699.400	29367.655	483369.700	93363.467	20.313
2	04:15:09	1056135.600	1031.287	28079.131	509919.170	716561.100	30120.783	486360.880	92158.808	31.250
3	04:16:17	1068849.700	996.910	28401.642	492721.820	721071.970	29067.041	477395.640	91369.386	18.750
x		1059523.000	1014.619	28182.460	506024.910	715110.820	29518.493	482375.410	92297.220	23.438
σ		8177.333	17.212	189.921	11846.174	6803.229	542.823	4564.575	1004.220	6.811
%RSD		0.772	1.696	0.674	2.341	0.951	1.839	0.946	1.088	29.059

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:14:01	96482.527	923.467	33168.147	2859.661	625.014	40407.065	1214.114	31.250	42.188
2	04:15:09	103092.520	1046.913	34995.938	2928.425	589.075	41648.121	1298.497	32.813	37.500
3	04:16:17	106072.030	993.785	36471.497	2978.436	653.140	41865.944	1376.629	21.875	45.313
x		101882.360	988.055	34878.527	2922.174	622.409	41307.044	1296.413	28.646	41.667
σ		4907.952	61.922	1654.802	59.633	32.112	786.977	81.277	5.916	3.932
%RSD		4.817	6.267	4.744	2.041	5.159	1.905	6.269	20.651	9.437

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:14:01	284.378	176.564	3741.115	985.972	215.627	240.627	129.688	11.979	7.813
2	04:15:09	278.128	134.376	3655.155	1064.102	295.316	250.002	139.584	9.375	7.292
3	04:16:17	312.503	145.313	3748.929	1057.331	265.627	266.148	136.980	9.375	4.688
x		291.670	152.084	3715.066	1035.802	258.857	252.259	135.417	10.243	6.597
σ		18.311	21.894	52.032	43.287	40.274	12.909	5.130	1.504	1.674
%RSD		6.278	14.396	1.401	4.179	15.558	5.118	3.788	14.678	25.378

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:14:01	89.063	143.751	153.126	81.250	217.189	1.563	189805.720	75.000	15.625
2	04:15:09	73.438	132.813	148.438	90.625	257.815	0.000	186948.100	90.625	7.813
3	04:16:17	96.875	129.688	148.438	93.750	293.753	1.563	190397.900	82.813	14.063
x		86.459	135.417	150.001	88.542	256.252	1.042	189050.570	82.813	12.500
σ		11.934	7.384	2.706	6.505	38.306	0.902	1844.714	7.813	4.134
%RSD		13.803	5.453	1.804	7.347	14.948	86.603	0.976	9.434	33.072

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:14:01	1.563	1.563	17.188	25.000	54.688	93.750	2301.748	4013.064	375733.260
2	04:15:09	3.125	3.125	12.500	20.313	51.563	96.875	2367.384	3847.393	375239.270
3	04:16:17	1.563	1.563	6.250	28.125	26.563	78.125	2272.056	4056.826	371642.370
x		2.083	2.083	11.979	24.479	44.271	89.584	2313.729	3972.428	374204.970
σ		0.902	0.902	5.487	3.932	15.415	10.046	48.780	110.472	2232.975
%RSD		43.301	43.301	45.807	16.063	34.820	11.214	2.108	2.781	0.597

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:14:01	391400.270	12.500	48.438	137.501	107.813	256.252	298628.030	6390.492
2	04:15:09	397147.870	15.625	25.000	96.875	101.563	264.065	301539.810	6590.582
3	04:16:17	388089.900	10.938	21.875	95.313	87.500	262.502	291749.000	6576.513
x		392212.680	13.021	31.771	109.896	98.959	260.940	297305.610	6519.196
σ		4583.306	2.387	14.518	23.919	10.404	4.134	5027.582	111.683
%RSD		1.169	18.330	45.696	21.765	10.513	1.584	1.691	1.713

C2362-14 MJDX49 06/05/2011 04:20:49 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:21:57	35429.818	2.083	125.001	1220.365	2201977.600	5792772.200	815752.820	893125.420	1439.135
2	04:23:05	36072.047	1.563	137.501	1301.622	2199685.100	5837483.900	812144.080	880476.910	1260.993
3	04:24:13	36172.300	2.604	117.188	1326.624	2222125.400	5832417.100	817160.330	883185.080	1423.508
x		35891.388	2.083	126.563	1282.870	2207929.400	5820891.100	815019.080	885595.800	1374.546
σ		402.862	0.521	10.246	55.556	12347.468	24483.069	2587.370	6659.945	98.649
%RSD		1.122	25.000	8.096	4.331	0.559	0.421	0.317	0.752	7.177

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:21:57	1062951.900	868.776	27891.263	386136.460	707338.410	29419.324	485549.600	92066.025	20.313
2	04:23:05	1048299.800	1075.040	27808.289	384537.950	699863.090	29763.786	489239.530	93385.485	29.688
3	04:24:13	1051463.900	1003.160	28068.172	406518.490	706173.470	29942.284	487676.480	91048.598	39.063
x		1054238.500	982.326	27922.575	392397.630	704458.330	29708.464	487488.540	92166.703	29.688
σ		7710.051	104.698	132.740	12255.110	4021.990	265.833	1852.131	1171.692	9.375
%RSD		0.731	10.658	0.475	3.123	0.571	0.895	0.380	1.271	31.579

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:21:57	100483.400	954.719	34591.830	2887.792	698.455	42041.459	1343.813	18.750	56.250
2	04:23:05	104597.150	956.282	36325.814	2940.928	740.644	42790.553	1384.442	20.313	53.125
3	04:24:13	110774.700	1042.226	37895.508	3006.566	665.641	42549.209	1287.558	29.688	75.000
x		105285.080	984.409	36271.051	2945.095	701.580	42460.407	1338.604	22.917	61.458
σ		5180.024	50.077	1652.520	59.497	37.599	382.361	48.652	5.916	11.831
%RSD		4.920	5.087	4.556	2.020	5.359	0.901	3.635	25.813	19.251

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:21:57	2117.344	1046.913	5712.079	1041.705	218.752	247.919	132.813	9.896	8.333
2	04:23:05	2137.660	1093.792	5982.502	1027.641	210.939	280.732	132.813	10.417	5.729
3	04:24:13	2198.607	1067.227	5869.956	1043.267	229.689	252.086	140.105	14.583	9.375
x		2151.204	1069.311	5854.846	1037.538	219.793	260.245	135.244	11.632	7.813
σ		42.290	23.509	135.843	8.606	9.418	17.864	4.210	2.569	1.878
%RSD		1.966	2.198	2.320	0.829	4.285	6.864	3.113	22.088	24.037

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:21:57	98.438	142.188	154.688	110.938	254.690	0.000	183336.110	95.313	18.750
2	04:23:05	73.438	134.376	170.314	89.063	256.252	0.000	184958.380	112.500	12.500
3	04:24:13	104.688	160.938	153.126	115.625	237.502	0.000	185450.640	106.250	7.813
x		92.188	145.834	159.376	105.209	249.481	0.000	184581.710	104.688	13.021
σ		16.536	13.652	9.504	14.178	10.404	0.000	1106.446	8.700	5.487
%RSD		17.937	9.361	5.964	13.476	4.170	0.000	0.599	8.310	42.143

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:21:57	4.688	4.688	10.938	50.000	35.938	92.188	2259.554	3969.301	362997.750
2	04:23:05	3.125	3.125	6.250	67.188	51.563	73.438	2250.177	3736.426	364140.350
3	04:24:13	1.563	1.563	12.500	48.438	42.188	76.563	2257.991	3820.823	360964.380
x		3.125	3.125	9.896	55.208	43.229	80.729	2255.907	3842.184	362700.820
σ		1.563	1.563	3.253	10.404	7.864	10.046	5.024	117.898	1608.669
%RSD		50.000	50.000	32.868	18.844	18.192	12.443	0.223	3.069	0.444

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:21:57	379204.440	6.250	28.125	217.189	212.502	512.509	289593.300	6612.468
2	04:23:05	380914.670	3.125	25.000	229.689	193.751	465.633	284476.390	6493.663
3	04:24:13	380178.250	9.375	23.438	228.127	235.939	485.946	286105.310	6756.285
x		380099.120	6.250	25.521	225.002	214.064	488.029	286725.000	6620.805
σ		857.858	3.125	2.387	6.811	21.137	23.508	2614.133	131.509
%RSD		0.226	50.000	9.352	3.027	9.874	4.817	0.912	1.986

C2362-15 MJDX50 06/05/2011 04:28:45 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:29:53	35324.871	3.125	245.315	1828.242	4319594.700	3569003.800	499153.170	539290.630	2667.437
2	04:31:01	36241.224	4.167	200.001	1909.503	4239376.000	3527742.100	490839.310	524725.500	2723.697
3	04:32:09	35284.145	6.771	260.940	2137.660	4213137.600	3561687.800	501362.860	542786.550	2640.869
x		35616.747	4.688	235.419	1958.468	4257369.400	3552811.300	497118.450	535600.890	2677.334
σ		541.197	1.878	31.652	160.415	55462.587	22016.527	5548.995	9579.196	42.292
%RSD		1.520	40.062	13.445	8.191	1.303	0.620	1.116	1.788	1.580

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:29:53	2715321.200	1087.541	32322.462	470281.030	915783.660	30737.720	503160.750	93684.307	56.250
2	04:31:01	2731180.700	898.466	32601.219	490907.820	915865.210	30028.402	499954.200	94231.639	62.500
3	04:32:09	2699320.600	989.097	32353.783	513089.060	910793.360	30280.495	503219.000	91131.939	54.688
x		2715274.200	991.701	32425.822	491425.970	914147.410	30348.872	502111.320	93015.962	57.813
σ		15930.084	94.565	152.704	21408.723	2904.978	359.569	1868.349	1654.403	4.134
%RSD		0.587	9.536	0.471	4.356	0.318	1.185	0.372	1.779	7.151

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:29:53	109551.260	973.471	37040.144	7698.949	8128.875	124564.150	3228.490	195.314	729.706
2	04:31:01	112831.330	1026.599	39112.845	7484.773	8214.861	122148.110	3250.370	228.127	778.146
3	04:32:09	119938.880	1017.224	40626.436	7675.499	8232.059	122490.080	3150.347	254.690	707.830
x		114107.160	1005.765	38926.475	7619.740	8191.932	123067.450	3209.736	226.043	738.561
σ		5310.035	28.358	1800.395	117.472	55.282	1307.412	52.582	29.743	35.985
%RSD		4.654	2.819	4.625	1.542	0.675	1.062	1.638	13.158	4.872

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:29:53	8652.620	4366.292	220912.160	811.481	254.690	266.669	123.959	9.375	8.333
2	04:31:01	8724.538	4322.529	219541.270	888.569	296.878	284.899	129.688	13.542	10.938
3	04:32:09	8558.813	4230.314	223041.740	920.863	300.003	288.545	122.396	15.625	8.854
x		8645.324	4306.378	221165.060	873.638	283.857	280.037	125.348	12.847	9.375
σ		83.103	69.413	1763.888	56.199	25.308	11.720	3.839	3.182	1.378
%RSD		0.961	1.612	0.798	6.433	8.916	4.185	3.063	24.771	14.699

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:29:53	62.500	131.251	106.250	68.750	192.189	0.000	188771.840	101.563	10.938
2	04:31:01	45.313	128.126	140.626	60.938	139.063	0.000	187633.560	107.813	15.625
3	04:32:09	93.750	109.375	142.188	75.000	201.564	1.563	184649.740	106.250	17.188
x		67.188	122.917	129.688	68.229	177.605	0.521	187018.380	105.209	14.583
σ		24.557	11.831	20.313	7.046	33.706	0.902	2128.793	3.253	3.253
%RSD		36.549	9.625	15.663	10.327	18.978	173.205	1.138	3.092	22.304

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:29:53	1.563	1.563	15.625	15.625	42.188	39.063	4075.581	6876.655	374084.580
2	04:31:01	1.563	1.563	9.375	15.625	45.313	28.125	4170.921	6993.899	358524.390
3	04:32:09	4.688	4.688	4.688	14.063	51.563	34.375	4053.700	7011.095	369364.100
x		2.604	2.604	9.896	15.104	46.354	33.854	4100.068	6960.550	367324.350
σ		1.804	1.804	5.487	0.902	4.774	5.487	62.329	73.162	7978.114
%RSD		69.282	69.282	55.451	5.973	10.298	16.209	1.520	1.051	2.172

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:29:53	382487.110	10.938	42.188	1117.231	918.780	2393.951	287814.130	1143.796
2	04:31:01	385658.170	14.063	20.313	1067.227	962.532	2375.197	288608.030	1190.675
3	04:32:09	386446.230	4.688	32.813	1151.609	978.158	2345.505	297843.150	1160.985
x		384863.840	9.896	31.771	1112.023	953.157	2371.551	291421.770	1165.152
σ		2095.685	4.774	10.975	42.431	30.780	24.428	5575.226	23.716
%RSD		0.545	48.238	34.543	3.816	3.229	1.030	1.913	2.035

C2362-07 MJDX44 06/05/2011 04:36:41 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:37:49	34580.866	3.646	101.563	725.018	9190111.200	1693868.500	214912.300	256858.920	1320.374
2	04:38:57	34676.410	0.521	90.625	696.892	8996915.100	1652981.600	211477.230	253407.470	1317.248
3	04:40:05	34126.651	4.167	98.438	742.207	8878196.600	1672748.400	214032.040	251860.150	1262.556
x		34461.309	2.778	96.875	721.372	9021741.000	1673199.500	213473.860	254042.180	1300.059
σ		293.733	1.972	5.634	22.876	157432.280	20447.160	1784.266	2559.113	32.516
%RSD		0.852	70.986	5.815	3.171	1.745	1.222	0.836	1.007	2.501

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:37:49	2410809.200	1179.736	31115.098	496813.040	721845.550	25442.949	422764.330	90518.684	56.250
2	04:38:57	2368536.700	1262.556	31093.176	478684.590	713919.590	25762.271	418272.470	89583.127	64.063
3	04:40:05	2366633.500	1131.295	30640.637	472331.410	719515.100	25970.460	417614.570	88881.892	48.438
x		2381993.200	1191.196	30949.637	482609.680	718426.750	25725.227	419550.450	89661.234	56.250
σ		24973.575	66.377	267.826	12704.028	4073.522	265.699	2802.666	821.187	7.813
%RSD		1.048	5.572	0.865	2.632	0.567	1.033	0.668	0.916	13.889

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:37:49	108520.000	854.713	36626.580	4059.952	17271.372	61623.249	1615.716	26.563	48.438
2	04:38:57	114822.100	893.778	38551.949	3959.924	17093.032	61480.448	1645.407	20.313	56.250
3	04:40:05	116639.860	843.775	39728.603	4022.441	16700.381	60419.687	1564.148	7.813	40.625
x		113327.320	864.089	38302.377	4014.106	17021.595	61174.461	1608.424	18.229	48.438
σ		4261.316	26.287	1565.999	50.532	292.122	657.542	41.117	9.547	7.813
%RSD		3.760	3.042	4.089	1.259	1.716	1.075	2.556	52.372	16.129

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:37:49	1465.700	743.769	18238.197	833.358	285.940	272.398	120.834	11.979	13.021
2	04:38:57	1336.000	704.705	18421.244	863.047	278.128	295.836	120.834	8.333	7.813
3	04:40:05	1411.007	692.204	18555.793	884.402	325.004	291.670	130.730	3.646	4.688
x		1404.236	713.560	18405.078	860.269	296.357	286.635	124.132	7.986	8.507
σ		65.115	26.899	159.414	25.636	25.114	12.504	5.713	4.178	4.210
%RSD		4.637	3.770	0.866	2.980	8.474	4.362	4.603	52.310	49.487

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:37:49	196.876	371.880	414.069	243.752	667.203	1.563	183326.620	92.188	14.063
2	04:38:57	231.252	337.504	353.129	229.689	559.386	0.000	185976.160	90.625	17.188
3	04:40:05	225.002	354.692	385.943	200.001	582.824	1.563	182938.880	98.438	14.063
x		217.710	354.692	384.380	224.481	603.138	1.042	184080.550	93.750	15.104
σ		18.311	17.188	30.500	22.336	56.706	0.902	1653.052	4.134	1.804
%RSD		8.411	4.846	7.935	9.950	9.402	86.603	0.898	4.410	11.945

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:37:49	1.563	1.563	10.938	3.125	51.563	9.375	42.188	98.438	371850.820
2	04:38:57	0.000	0.000	12.500	10.938	39.063	17.188	60.938	87.500	364933.640
3	04:40:05	0.000	0.000	15.625	7.813	37.500	26.563	62.500	78.125	362690.080
x		0.521	0.521	13.021	7.292	42.708	17.708	55.208	88.021	366491.510
σ		0.902	0.902	2.387	3.932	7.708	8.606	11.303	10.166	4774.933
%RSD		173.205	173.205	18.330	53.927	18.047	48.596	20.474	11.550	1.303

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:37:49	391344.080	10.938	18.750	129.688	123.438	301.566	296522.350	398.443
2	04:38:57	388138.060	10.938	20.313	125.001	107.813	290.628	291795.240	356.254
3	04:40:05	381517.950	18.750	14.063	115.625	109.375	300.003	288992.250	365.630
x		387000.030	13.542	17.708	123.438	113.542	297.399	292436.610	373.442
σ		5010.940	4.511	3.253	7.160	8.606	5.916	3805.800	22.153
%RSD		1.295	33.309	18.368	5.801	7.579	1.989	1.301	5.932

C2362-08 MJDX44D 06/05/2011 04:44:37 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:45:45	33921.476	3.125	100.000	640.639	8823471.300	1656260.600	208185.660	249549.820	1711.040
2	04:46:53	34469.660	4.688	90.625	665.641	8809041.500	1632318.800	207277.280	246683.490	1632.906
3	04:48:01	33738.230	3.646	78.125	687.517	8881570.500	1656483.100	205050.170	245208.420	1629.781
x		34043.122	3.819	89.584	664.599	8838027.800	1648354.200	206837.700	247147.240	1657.909
σ		380.586	0.796	10.975	23.456	38393.150	13887.469	1613.301	2207.541	46.040
%RSD		1.118	20.830	12.251	3.529	0.434	0.843	0.780	0.893	2.777

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:45:45	2348343.400	1153.172	30343.128	413084.100	698236.320	24957.720	407206.420	87896.134	39.063
2	04:46:53	2327707.400	1173.486	30487.184	434347.910	698613.480	25054.764	413698.380	89120.874	48.438
3	04:48:01	2316047.200	1145.358	30657.861	439350.570	701121.010	24927.980	410669.080	89205.777	39.063
x		2330699.300	1157.339	30496.058	428927.530	699323.600	24980.155	410524.630	88740.928	42.188
σ		16354.690	14.519	157.554	13946.942	1567.986	66.303	3248.388	732.844	5.413
%RSD		0.702	1.255	0.517	3.252	0.224	0.265	0.791	0.826	12.830

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:45:45	112810.860	851.588	38567.616	4094.337	18820.201	62895.965	1673.536	20.313	46.875
2	04:46:53	119762.410	950.032	41605.811	3941.169	19051.758	61938.671	1601.652	18.750	43.750
3	04:48:01	124034.570	926.593	42552.343	3927.102	18416.551	62196.036	1579.775	18.750	71.875
x		118869.280	909.404	40908.590	3987.536	18762.837	62343.557	1618.321	19.271	54.167
σ		5664.910	51.423	2081.850	92.759	321.466	495.404	49.052	0.902	15.415
%RSD		4.766	5.655	5.089	2.326	1.713	0.795	3.031	4.681	28.459

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:45:45	1436.010	687.517	17801.710	858.359	296.878	288.545	120.834	10.417	9.896
2	04:46:53	1509.455	745.332	17922.173	887.528	284.378	313.024	127.605	8.333	5.729
3	04:48:01	1536.020	743.769	17809.532	926.072	254.690	293.753	127.605	8.333	8.333
x		1493.828	725.539	17844.471	890.653	278.649	298.441	125.348	9.028	7.986
σ		51.804	32.938	67.405	33.964	21.670	12.896	3.909	1.203	2.105
%RSD		3.468	4.540	0.378	3.813	7.777	4.321	3.119	13.323	26.357

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:45:45	192.189	345.317	353.129	242.190	612.513	0.000	180456.040	103.125	21.875
2	04:46:53	221.877	325.004	356.254	204.689	607.825	0.000	175978.830	85.938	14.063
3	04:48:01	190.626	300.003	423.444	173.439	640.639	1.563	177320.260	92.188	9.375
x		201.564	323.441	377.609	206.772	620.326	0.521	177918.380	93.750	15.104
σ		17.609	22.697	39.725	34.423	17.747	0.902	2297.751	8.700	6.315
%RSD		8.736	7.017	10.520	16.648	2.861	173.205	1.291	9.280	41.808

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:45:45	3.125	3.125	10.938	14.063	56.250	23.438	53.125	114.063	360398.800
2	04:46:53	0.000	0.000	15.625	17.188	59.375	20.313	57.813	96.875	354046.000
3	04:48:01	0.000	0.000	3.125	14.063	56.250	12.500	56.250	95.313	351693.640
x		1.042	1.042	9.896	15.104	57.292	18.750	55.729	102.084	355379.480
σ		1.804	1.804	6.315	1.804	1.804	5.634	2.387	10.404	4503.174
%RSD		173.205	173.205	63.812	11.945	3.149	30.046	4.283	10.191	1.267

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:45:45	375213.610	1.563	17.188	146.876	134.376	332.816	281620.640	351.567
2	04:46:53	371259.160	9.375	12.500	128.126	135.938	321.879	276248.510	343.754
3	04:48:01	363545.800	3.125	7.813	165.626	129.688	315.628	279977.880	351.567
x		370006.190	4.688	12.500	146.876	133.334	323.441	279282.340	348.963
σ		5933.963	4.134	4.688	18.750	3.253	8.700	2752.774	4.511
%RSD		1.604	88.192	37.500	12.766	2.439	2.690	0.986	1.293

C2362-09 MJDX44S 06/05/2011 04:52:34 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:53:42	33686.546	3506.680	84.375	1242.242	8862674.100	1624308.700	204636.490	244113.340	797920.470
2	04:54:50	33730.399	3532.728	85.938	1254.743	8899666.500	1614994.800	207023.640	242368.380	795429.340
3	04:55:58	34175.204	3559.819	79.688	1254.743	8634789.600	1623697.000	208876.890	244434.380	794105.530
x		33864.050	3533.076	83.334	1250.576	8799043.400	1621000.200	206845.670	243638.700	795818.440
σ		270.358	26.571	3.253	7.218	143445.460	5209.783	2125.794	1111.781	1937.009
%RSD		0.798	0.752	3.903	0.577	1.630	0.321	1.028	0.456	0.243

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:53:42	2268030.300	1190.675	30521.633	576941.430	693971.810	25064.156	405438.440	89627.152	40.625
2	04:54:50	2280753.900	1151.609	31169.905	603447.200	700146.810	24907.632	411741.480	89287.535	46.875
3	04:55:58	2282802.600	1132.857	30764.340	608397.550	687633.910	24618.068	401119.040	85934.252	39.063
x		2277195.600	1158.380	30818.626	596262.060	693917.510	24863.285	406099.650	88282.979	42.188
σ		8003.197	29.497	327.528	16914.242	6256.625	226.326	5342.002	2041.134	4.134
%RSD		0.351	2.546	1.063	2.837	0.902	0.910	1.315	2.312	9.799

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:53:42	421985.550	115371.810	58722.005	52546.462	452614.530	840763.360	20860.532	351579.960	74429.324
2	04:54:50	426758.620	115885.320	60491.866	52871.094	450041.380	831925.640	19967.069	347162.950	74449.743
3	04:55:58	431618.590	114500.780	62571.106	53048.312	450742.660	837836.180	19962.375	348485.190	75629.352
x		426787.590	115252.640	60594.992	52821.956	451132.860	836841.730	20263.325	349076.030	74836.140
σ		4816.584	699.918	1926.622	254.508	1330.216	4502.003	517.201	2267.006	687.018
%RSD		1.129	0.607	3.180	0.482	0.295	0.538	2.552	0.649	0.918

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:53:42	91716.915	45812.402	83490.135	4624.707	370.317	361.984	342.192	104.688	6.771
2	04:54:50	92261.027	45130.549	84786.801	4709.630	423.444	413.027	330.733	107.292	12.500
3	04:55:58	90740.396	45368.802	85412.386	4642.942	442.194	423.444	353.129	108.334	10.417
x		91572.779	45437.251	84563.107	4659.093	411.985	399.485	342.018	106.771	9.896
σ		770.494	346.041	980.455	44.706	37.283	32.892	11.199	1.878	2.900
%RSD		0.841	0.762	1.159	0.960	9.050	8.234	3.274	1.759	29.304

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:53:42	190.626	350.004	378.130	173.439	560.949	0.000	179774.080	715.643	29115.577
2	04:54:50	176.564	335.941	365.630	260.940	517.197	0.000	177230.090	784.397	29317.552
3	04:55:58	254.690	418.756	382.818	225.002	606.263	1.563	181418.110	729.706	29167.245
x		207.293	368.234	375.526	219.793	561.469	0.521	179474.090	743.249	29200.125
σ		41.645	44.315	8.885	43.983	44.535	0.902	2110.063	36.322	104.925
%RSD		20.090	12.034	2.366	20.011	7.932	173.205	1.176	4.887	0.359

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:53:42	445.319	445.319	27993.024	7541.052	50.000	49132.784	154518.670	264386.580	352476.650
2	04:54:50	476.570	476.570	27972.672	7390.974	50.000	49137.487	153136.720	263636.980	364029.770
3	04:55:58	456.257	456.257	28204.377	7376.904	45.313	48463.315	152689.780	261337.490	364933.640
x		459.382	459.382	28056.691	7436.310	48.438	48911.195	153448.390	263120.350	360480.020
σ		15.858	15.858	128.304	90.982	2.706	387.883	953.445	1588.841	6945.840
%RSD		3.452	3.452	0.457	1.223	5.587	0.793	0.621	0.604	1.927

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:53:42	375110.970	33481.377	83450.844	12023.808	10566.406	24890.415	285891.730	318.754
2	04:54:50	376172.720	33904.247	86207.767	12191.137	10428.805	25003.111	290396.860	335.941
3	04:55:58	380125.310	34369.419	86713.942	12033.191	10596.116	25104.852	285455.000	364.067
x		377136.330	33918.348	85457.518	12082.712	10530.442	24999.459	287247.860	339.587
σ		2642.405	444.189	1756.163	94.016	89.265	107.265	2735.844	22.876
%RSD		0.701	1.310	2.055	0.778	0.848	0.429	0.952	6.736

C2362-07LX5 MJDX44L 06/05/2011 05:00:32 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:01:40	34900.392	2.083	37.500	379.693	1864728.300	318738.440	43567.897	51854.880	1076.603
2	05:02:47	35771.292	4.167	48.438	384.380	1893396.800	321611.130	42967.646	51652.586	1039.100
3	05:03:55	34854.969	3.646	70.313	400.006	1894361.600	323894.680	44936.188	52301.817	1006.285
x		35175.551	3.299	52.083	388.026	1884162.200	321414.750	43823.910	51936.427	1040.663
σ		516.427	1.084	16.707	10.636	16837.185	2583.721	1008.934	332.209	35.185
%RSD		1.468	32.868	32.078	2.741	0.894	0.804	2.302	0.640	3.381

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:01:40	448485.770	1073.478	22559.987	147431.860	191829.360	5185.316	86138.602	89361.432	9.375
2	05:02:47	459786.630	1275.057	22913.674	142330.510	190350.400	5166.559	87367.908	90968.402	14.063
3	05:03:55	457699.310	1185.987	23079.566	136861.840	190052.720	5244.713	87976.313	91204.274	12.500
x		455323.910	1178.174	22851.076	142208.070	190744.160	5198.863	87160.941	90511.369	11.979
σ		6013.259	101.016	265.386	5286.074	951.522	40.800	936.174	1002.834	2.387
%RSD		1.321	8.574	1.161	3.717	0.499	0.785	1.074	1.108	19.924

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:01:40	41792.292	475.008	14172.652	3458.231	3702.042	43915.835	525.010	10.938	20.313
2	05:02:47	40176.729	470.320	13864.537	3350.393	3589.513	44448.729	653.140	9.375	18.750
3	05:03:55	39578.187	490.633	13195.154	3309.758	3820.823	45166.601	710.955	10.938	12.500
x		40515.736	478.654	13744.114	3372.794	3704.126	44510.388	629.702	10.417	17.188
σ		1145.321	10.636	499.752	76.729	115.669	627.658	95.163	0.902	4.134
%RSD		2.827	2.222	3.636	2.275	3.123	1.410	15.112	8.660	24.052

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:01:40	332.816	160.938	3609.831	337.504	93.750	119.792	133.855	10.417	7.292
2	05:02:47	325.004	192.189	3616.083	306.774	134.376	103.125	135.938	8.854	10.938
3	05:03:55	335.941	165.626	3597.328	325.004	100.000	118.230	137.501	6.250	7.292
x		331.254	172.918	3607.747	323.094	109.375	113.716	135.765	8.507	8.507
σ		5.634	16.853	9.549	15.454	21.875	9.205	1.829	2.105	2.105
%RSD		1.701	9.746	0.265	4.783	20.000	8.095	1.347	24.744	24.744

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:01:40	43.750	84.375	76.563	46.875	148.438	0.000	188372.880	103.125	6.250
2	05:02:47	40.625	87.500	95.313	51.563	103.125	0.000	186987.670	76.563	4.688
3	05:03:55	40.625	57.813	89.063	43.750	112.500	0.000	186591.920	96.875	7.813
x		41.667	76.563	86.979	47.396	121.355	0.000	187317.490	92.188	6.250
σ		1.804	16.313	9.547	3.932	23.919	0.000	935.167	13.888	1.563
%RSD		4.330	21.307	10.976	8.297	19.710	0.000	0.499	15.065	25.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:01:40	1.563	1.563	6.250	0.000	18.750	25.000	7.813	23.438	369686.340
2	05:02:47	0.000	0.000	1.563	1.563	9.375	12.500	17.188	31.250	359650.610
3	05:03:55	0.000	0.000	7.813	7.813	32.813	14.063	17.188	18.750	363720.470
x		0.521	0.521	5.208	3.125	20.313	17.188	14.063	24.479	364352.470
σ		0.902	0.902	3.253	4.134	11.797	6.811	5.413	6.315	5047.628
%RSD		173.205	173.205	62.450	132.288	58.076	39.626	38.490	25.797	1.385

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:01:40	388329.080	121.876	314.066	50.000	26.563	68.750	295260.680	51.563
2	05:02:47	376111.770	89.063	271.878	43.750	34.375	92.188	292372.490	84.375
3	05:03:55	382785.570	82.813	223.439	32.813	31.250	87.500	291320.070	67.188
x		382408.810	97.917	269.794	42.188	30.729	82.813	292984.410	67.709
σ		6117.363	20.983	45.349	8.700	3.932	12.402	2040.328	16.413
%RSD		1.600	21.429	16.809	20.621	12.796	14.976	0.696	24.240

CCV 06/05/2011 05:08:27 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:09:35	36476.196	39419.938	9127.915	379.693	30072824.000	21129708.000	2882273.400	3396427.700	4712475.000
2	05:10:43	36675.142	39515.514	9157.622	418.756	30843805.000	21221943.000	3001529.000	3508253.700	4887059.100
3	05:11:51	38023.974	40418.033	9565.702	432.819	30985992.000	21905164.000	3038941.400	3527744.100	4944120.100
x		37058.437	39784.495	9283.746	410.423	30634207.000	21418938.000	2974248.000	3477475.100	4847884.800
σ		842.075	550.738	244.632	27.526	491342.430	423601.620	81819.344	70862.435	120689.000
%RSD		2.272	1.384	2.635	6.707	1.604	1.978	2.751	2.038	2.490

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:09:35	107891.490	184990.040	20569.485	51053.564	10368810.000	53811.763	747514.870	90133.447	23319.017
2	05:10:43	109575.530	183668.460	20893.393	53292.970	10377692.000	52144.008	742413.590	91416.562	23411.355
3	05:11:51	111904.110	189698.060	21248.603	55335.087	10487420.000	53637.231	764127.290	93547.478	23705.590
x		109790.370	186118.850	20903.827	53227.207	10411307.000	53197.668	751351.910	91699.162	23478.654
σ		2014.919	3169.330	339.679	2141.519	66064.749	916.659	11354.003	1724.470	201.882
%RSD		1.835	1.703	1.625	4.023	0.635	1.723	1.511	1.881	0.860

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:09:35	353781.760	335688.870	45754.404	1296486.400	979120.030	24127421.000	560044.020	403378.210	83540.428
2	05:10:43	355237.540	335770.440	45077.257	1319157.300	998956.450	24557006.000	571906.770	407375.190	87569.135
3	05:11:51	354260.600	336007.160	44842.143	1338542.000	997401.690	24896182.000	576373.130	412542.220	88102.084
x		354426.630	335822.160	45224.601	1318061.900	991826.060	24526870.000	569441.310	407765.210	86403.882
σ		741.955	165.327	473.643	21049.187	11031.169	385265.370	8439.125	4594.437	2494.100
%RSD		0.209	0.049	1.047	1.597	1.112	1.571	1.482	1.127	2.887

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:09:35	409371.690	205115.160	148732.740	49943.400	3675.473	3519.183	11379.530	4905.009	6.771
2	05:10:43	413778.780	204661.850	147813.900	51072.381	3602.017	3757.265	11500.461	4913.345	11.458
3	05:11:51	419026.910	207843.230	149980.050	50825.670	3592.639	3757.265	11716.261	4962.320	13.542
x		414059.130	205873.410	148842.230	50613.817	3623.376	3677.904	11532.084	4926.891	10.590
σ		4833.712	1720.901	1087.219	593.558	45.360	137.456	170.578	30.964	3.468
%RSD		1.167	0.836	0.730	1.173	1.252	3.737	1.479	0.628	32.746

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:09:35	61354.910	105505.350	112467.540	68221.885	173256.790	6.250	185091.340	6674.997	335237.840
2	05:10:43	61634.234	103530.040	112217.140	69030.443	176114.860	1.563	186463.700	7068.936	330138.310
3	05:11:51	63244.373	107676.150	115362.360	70639.844	178789.970	3.125	192811.190	7256.530	340780.760
x		62077.839	105570.510	113349.020	69297.390	176053.880	3.646	188122.080	7000.154	335385.630
σ		1019.856	2073.820	1748.098	1230.885	2767.093	2.387	4118.458	296.805	5322.764
%RSD		1.643	1.964	1.542	1.776	1.572	65.465	2.189	4.240	1.587

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:09:35	5299.420	5299.420	317878.980	79548.992	196821.580	268034.870	215069.320	368583.380	365438.490
2	05:10:43	5293.168	5293.168	317704.860	78934.661	200127.980	275033.210	217578.770	375303.430	364513.750
3	05:11:51	5272.848	5272.848	322718.500	80916.012	199085.440	276804.430	216636.490	377808.810	367304.190
x		5288.479	5288.479	319434.110	79799.888	198678.330	273290.840	216428.190	373898.540	365752.140
σ		13.893	13.893	2845.696	1014.224	1690.376	4637.151	1267.624	4770.471	1421.413
%RSD		0.263	0.263	0.891	1.271	0.851	1.697	0.586	1.276	0.389

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:09:35	378240.320	378282.020	936040.070	303809.010	286317.310	666682.850	275969.760	1549989.100
2	05:10:43	377752.660	382578.570	950316.030	302205.210	294737.540	677767.860	281923.400	1597688.100
3	05:11:51	388089.900	387703.040	962787.530	306546.250	295921.000	679729.730	282019.010	1582199.700
x		381360.960	382854.550	949714.540	304186.820	292325.280	674726.810	279970.720	1576625.600
σ		5832.532	4716.570	13383.869	2195.040	5236.598	7035.004	3465.262	24333.130
%RSD		1.529	1.232	1.409	0.722	1.791	1.043	1.238	1.543

CCB 06/05/2011 05:16:21 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:17:29	39615.791	16.667	171.876	331.254	36137.838	10572.661	1412.570	1737.606	2681.502
2	05:18:37	40374.160	28.646	134.376	334.379	41629.317	13831.693	1951.696	2229.862	3276.938
3	05:19:45	39319.662	23.438	135.938	303.128	34042.074	10932.306	1417.258	1836.056	2869.038
x		39769.871	22.917	147.397	322.920	37269.743	11778.887	1593.841	1934.508	2942.493
σ		543.872	6.007	21.214	17.212	3918.223	1786.854	309.920	260.478	304.439
%RSD		1.368	26.210	14.393	5.330	10.513	15.170	19.445	13.465	10.346

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:17:29	3531.687	1432.884	22314.289	66215.603	70280.264	35.938	673.453	97943.984	9.375
2	05:18:37	3572.322	1451.636	22223.523	67377.266	71556.891	54.688	942.219	99087.768	18.750
3	05:19:45	3595.765	1436.010	22466.089	69232.982	68805.926	53.125	643.765	100607.710	18.750
x		3566.591	1440.177	22334.633	67608.617	70214.360	47.917	753.145	99213.154	15.625
σ		32.421	10.046	122.556	1521.935	1376.666	10.404	164.414	1336.283	5.413
%RSD		0.909	0.698	0.549	2.251	1.961	21.712	21.830	1.347	34.641

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:17:29	11862.736	525.010	3945.857	4049.011	676.579	50459.270	625.014	198.439	70.313
2	05:18:37	11609.403	532.822	4033.382	4238.129	843.775	54215.180	700.017	303.128	56.250
3	05:19:45	10988.600	559.386	3591.076	4267.825	660.953	52090.108	692.204	237.502	54.688
x		11486.913	539.073	3856.772	4184.988	727.102	52254.853	672.412	246.356	60.417
σ		449.757	18.020	234.224	118.692	101.343	1883.367	41.233	52.903	8.606
%RSD		3.915	3.343	6.073	2.836	13.938	3.604	6.132	21.474	14.244

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:17:29	237.502	109.375	137.501	132.292	37.500	34.375	189.064	13.021	10.938
2	05:18:37	304.691	151.563	189.064	140.105	40.625	34.375	180.209	15.625	9.375
3	05:19:45	259.377	132.813	182.814	114.584	23.438	31.250	171.355	5.729	7.813
x		267.190	131.251	169.793	128.994	33.854	33.333	180.209	11.458	9.375
σ		34.269	21.137	28.140	13.076	9.155	1.804	8.854	5.130	1.563
%RSD		12.826	16.105	16.573	10.137	27.044	5.413	4.913	44.768	16.667

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:17:29	107.813	165.626	165.626	93.750	265.627	1.563	204652.340	137.501	200.001
2	05:18:37	84.375	131.251	171.876	104.688	267.190	0.000	207106.070	109.375	218.752
3	05:19:45	59.375	104.688	118.750	76.563	184.376	1.563	213751.320	109.375	175.001
x		83.854	133.855	152.084	91.667	239.065	1.042	208503.250	118.751	197.918
σ		24.223	30.552	29.036	14.178	47.368	0.902	4707.648	16.238	21.950
%RSD		28.887	22.825	19.092	15.467	19.814	86.603	2.258	13.674	11.090

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:17:29	3.125	3.125	173.439	31.250	315.628	482.821	100.000	218.752	389878.240
2	05:18:37	4.688	4.688	228.127	57.813	334.379	451.570	160.938	276.565	399668.280
3	05:19:45	6.250	6.250	192.189	46.875	225.002	307.816	121.876	231.252	403085.750
x		4.688	4.688	197.918	45.313	291.670	414.069	127.605	242.190	397544.090
σ		1.563	1.563	27.791	13.350	58.492	93.335	30.870	30.419	6855.193
%RSD		33.333	33.333	14.041	29.462	20.054	22.541	24.192	12.560	1.724

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:17:29	409799.320	342.192	875.027	195.314	140.626	404.693	313299.790	726.581
2	05:18:37	410598.340	421.881	923.467	257.815	210.939	537.510	314020.030	985.972
3	05:19:45	417456.940	273.440	650.015	170.314	192.189	356.254	315668.260	762.520
x		412618.200	345.838	816.170	207.814	181.251	432.819	314329.360	825.024
σ		4209.473	74.288	145.918	45.070	36.410	93.844	1214.161	140.538
%RSD		1.020	21.481	17.878	21.688	20.088	21.682	0.386	17.034

C2362-16 MJDX53 06/05/2011 05:24:16 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:25:24	37287.662	38.021	96.875	379.693	613750.640	26122.299	3630.149	4349.099	6685.939
2	05:26:32	36725.270	22.396	87.500	359.380	598648.370	19845.024	2687.753	3094.085	5230.645
3	05:27:40	36955.551	10.938	100.000	360.942	585182.290	16166.955	2318.938	2665.874	4772.672
x		36989.494	23.785	94.792	366.671	599193.770	20711.426	2878.947	3369.686	5563.085
σ		282.728	13.595	6.505	11.304	14291.980	5033.906	676.191	874.802	999.017
%RSD		0.764	57.158	6.863	3.083	2.385	24.305	23.487	25.961	17.958

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:25:24	5841.819	1129.732	20965.373	481201.430	75907.383	267.190	4755.479	93725.199	37.500
2	05:26:32	5705.827	1085.979	20862.097	473655.430	71274.233	254.690	4439.752	94013.019	15.625
3	05:27:40	5726.147	967.220	20574.180	471143.120	69716.575	232.814	4255.321	92872.784	32.813
x		5757.931	1060.977	20800.550	475333.330	72299.397	251.565	4483.517	93537.001	28.646
σ		73.356	84.091	202.729	5234.877	3220.209	17.400	252.935	592.957	11.517
%RSD		1.274	7.926	0.975	1.101	4.454	6.917	5.641	0.634	40.206

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:25:24	79500.284	1373.504	27360.551	4952.421	3712.983	73485.394	1181.299	335.941	107.813
2	05:26:32	88553.299	1442.260	30128.612	4575.733	3406.656	66725.781	1014.099	209.377	70.313
3	05:27:40	93206.195	1328.187	32325.594	4400.678	3358.207	63376.205	992.222	142.188	48.438
x		87086.593	1381.317	29938.252	4642.944	3492.615	67862.460	1062.540	229.169	75.521
σ		6969.679	57.437	2487.989	281.945	192.375	5149.558	103.428	98.381	30.028
%RSD		8.003	4.158	8.310	6.073	5.508	7.588	9.734	42.930	39.762

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:25:24	487.508	248.440	2361.133	628.660	206.251	187.501	151.042	9.375	9.896
2	05:26:32	362.505	196.876	2162.664	605.221	209.377	209.897	117.188	15.104	4.688
3	05:27:40	298.441	162.501	2145.474	648.973	190.626	218.752	143.230	9.896	10.417
x		382.818	202.606	2223.090	627.618	202.085	205.383	137.153	11.458	8.333
σ		96.157	43.255	119.857	21.895	10.046	16.107	17.726	3.168	3.168
%RSD		25.118	21.349	5.391	3.489	4.971	7.842	12.924	27.649	38.017

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:25:24	65.625	115.625	109.375	71.875	151.563	0.000	198301.210	107.813	181.251
2	05:26:32	60.938	65.625	56.250	29.688	101.563	1.563	193253.040	109.375	145.313
3	05:27:40	29.688	73.438	53.125	26.563	89.063	0.000	189527.060	100.000	143.751
x		52.083	84.896	72.917	42.708	114.063	0.521	193693.770	105.730	156.772
σ		19.537	26.898	31.613	25.307	33.072	0.902	4403.646	5.023	21.214
%RSD		37.510	31.683	43.354	59.256	28.995	173.205	2.274	4.751	13.532

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:25:24	9.375	9.375	185.939	62.500	248.440	270.315	262.502	442.194	374283.430
2	05:26:32	1.563	1.563	120.313	46.875	214.064	192.189	175.001	359.380	371603.890
3	05:27:40	6.250	6.250	115.625	23.438	131.251	134.376	212.502	270.315	366815.300
x		5.729	5.729	140.626	44.271	197.918	198.960	216.668	357.296	370900.870
σ		3.932	3.932	39.312	19.661	60.240	68.222	43.899	85.959	3783.375
%RSD		68.635	68.635	27.955	44.411	30.437	34.289	20.261	24.058	1.020

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:25:24	397004.910	315.628	870.339	381.255	368.755	778.146	298712.580	1107.856
2	05:26:32	392256.090	203.126	442.194	268.753	215.627	560.949	295353.180	684.391
3	05:27:40	382471.060	114.063	329.691	223.439	190.626	428.131	290272.500	456.257
x		390577.350	210.939	547.408	291.149	258.336	589.075	294779.420	749.501
σ		7410.926	101.010	285.267	81.257	96.439	176.694	4249.195	330.643
%RSD		1.897	47.886	52.112	27.909	37.331	29.995	1.441	44.115

C2377-05 MJDX65 06/05/2011 05:32:11 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:33:19	35918.536	11.979	156.251	546.885	11493919.000	4104071.500	554600.760	599485.530	6141.945
2	05:34:27	36180.132	8.854	176.564	550.011	11404753.000	4053316.700	562690.260	612275.250	6298.263
3	05:35:35	35085.219	11.458	187.501	557.823	11350962.000	4059576.100	570663.350	603391.810	6035.650
x		35727.962	10.764	173.439	551.573	11416545.000	4072321.400	562651.450	605050.860	6158.619
σ		571.793	1.674	15.858	5.634	72204.032	27673.919	8031.367	6554.277	132.098
%RSD		1.600	15.554	9.143	1.021	0.632	0.680	1.427	1.083	2.145

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:33:19	3865247.900	4552.640	25444.515	488059.550	896033.700	30556.081	502316.170	92611.723	104.688
2	05:34:27	3817022.700	4652.674	25729.399	523030.640	905628.460	30657.861	515775.440	92901.092	96.875
3	05:35:35	3888442.600	4810.504	25959.502	552412.370	913212.590	31567.652	513174.880	91913.485	109.375
x		3856904.400	4671.939	25711.139	521167.520	904958.250	30927.198	510422.160	92475.433	103.646
σ		36433.629	130.007	257.979	32216.838	8609.032	556.979	7139.400	507.714	6.315
%RSD		0.945	2.783	1.003	6.182	0.951	1.801	1.399	0.549	6.093

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:33:19	116310.630	957.845	39286.759	8358.695	7414.424	140886.620	3797.380	206.251	228.127
2	05:34:27	123690.990	970.345	41466.344	8535.362	7380.031	140029.820	3992.745	231.252	221.877
3	05:35:35	127797.200	1090.667	42323.540	8707.340	7480.083	142488.330	3750.492	243.752	190.626
x		122599.610	1006.286	41025.547	8533.799	7424.846	141134.920	3846.872	227.085	213.543
σ		5820.540	73.343	1565.642	174.328	50.834	1247.920	128.487	19.094	20.091
%RSD		4.748	7.288	3.816	2.043	0.685	0.884	3.340	8.408	9.409

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:33:19	1501.641	756.270	60898.275	782.834	243.752	264.065	155.730	10.938	7.292
2	05:34:27	1414.133	681.266	60653.487	882.319	276.565	300.524	133.334	14.063	10.938
3	05:35:35	1514.143	690.642	61132.083	928.676	323.441	316.149	134.376	11.979	8.854
x		1476.639	709.393	60894.615	864.610	281.253	293.579	141.147	12.326	9.028
σ		54.492	40.867	239.319	74.516	40.051	26.728	12.640	1.591	1.829
%RSD		3.690	5.761	0.393	8.619	14.240	9.104	8.956	12.909	20.261

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:33:19	54.688	51.563	103.125	40.625	100.000	1.563	189870.640	92.188	50.000
2	05:34:27	43.750	57.813	78.125	60.938	109.375	1.563	183652.640	101.563	67.188
3	05:35:35	48.438	70.313	84.375	54.688	84.375	0.000	187731.710	106.250	64.063
x		48.958	59.896	88.542	52.083	97.917	1.042	187085.000	100.000	60.417
σ		5.487	9.547	13.010	10.404	12.630	0.902	3159.044	7.160	9.155
%RSD		11.208	15.939	14.694	19.975	12.898	86.603	1.689	7.160	15.154

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:33:19	9.375	9.375	35.938	143.751	170.314	90.625	5965.308	9998.810	357588.870
2	05:34:27	6.250	6.250	50.000	162.501	185.939	98.438	5755.847	9864.342	365952.980
3	05:35:35	9.375	9.375	51.563	207.814	215.627	115.625	5960.618	9928.449	364709.270
x		8.333	8.333	45.833	171.355	190.626	101.563	5893.924	9930.534	362750.370
σ		1.804	1.804	8.606	32.937	23.017	12.790	119.602	67.258	4513.040
%RSD		21.651	21.651	18.776	19.221	12.075	12.593	2.029	0.677	1.244

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:33:19	375396.450	95.313	232.814	600.013	459.382	1121.919	284645.330	1354.752
2	05:34:27	383162.670	81.250	217.189	570.324	481.258	1082.853	283234.900	1453.199
3	05:35:35	377362.880	71.875	164.063	575.012	484.383	1126.607	285874.190	1559.460
x		378640.660	82.813	204.689	581.783	475.008	1110.460	284584.810	1455.804
σ		4037.709	11.797	36.040	15.961	13.622	24.022	1320.689	102.379
%RSD		1.066	14.245	17.607	2.743	2.868	2.163	0.464	7.032

C2377-06 MJDX65D 06/05/2011 05:40:06 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:41:14	35951.431	5.729	196.876	521.885	11707402.000	4112664.500	578983.560	620521.420	5626.108
2	05:42:22	35390.658	3.646	175.001	551.573	11584473.000	4151139.500	582293.860	612446.420	5762.099
3	05:43:30	35616.218	4.167	195.314	554.698	11739930.000	4143706.100	572938.650	635012.840	6090.361
x		35652.769	4.514	189.064	542.719	11677268.000	4135836.700	578072.020	622660.230	5826.189
σ		282.167	1.084	12.204	18.110	81992.292	20408.969	4743.748	11434.234	238.670
%RSD		0.791	24.019	6.455	3.337	0.702	0.493	0.821	1.836	4.097

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:41:14	3824366.500	4310.336	26083.165	558352.360	907338.250	31489.355	510514.890	92018.847	104.688
2	05:42:22	3808656.800	4332.566	25997.071	578382.350	895847.550	30925.625	518752.240	94219.057	84.375
3	05:43:30	3860842.500	4270.323	26036.204	599488.790	926025.800	32087.558	523116.510	93907.641	89.063
x		3831288.600	4304.409	26038.813	578741.170	909737.200	31500.846	517461.210	93381.849	92.709
σ		26772.643	31.542	43.106	20570.562	15231.476	581.052	6399.242	1190.619	10.636
%RSD		0.699	0.733	0.166	3.554	1.674	1.845	1.237	1.275	11.472

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:41:14	114784.300	915.654	38467.346	8368.075	6979.830	140315.410	3672.347	175.001	175.001
2	05:42:22	122313.580	1010.973	40878.716	8354.004	6956.381	137664.810	3612.957	162.501	162.501
3	05:43:30	125189.890	1001.598	42224.811	8235.185	7223.701	140242.830	3770.810	182.814	175.001
x		120762.590	976.075	40523.624	8319.088	7053.304	139407.690	3685.371	173.439	170.834
σ		5373.388	52.535	1903.734	73.002	148.033	1509.809	79.729	10.246	7.217
%RSD		4.450	5.382	4.698	0.878	2.099	1.083	2.163	5.908	4.225

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:41:14	1378.192	645.327	62020.274	905.237	267.190	329.170	145.834	7.813	7.292
2	05:42:22	1387.567	687.517	62528.733	927.113	281.253	308.337	130.209	15.625	8.854
3	05:43:30	1393.818	681.266	61185.436	968.262	262.502	317.712	136.459	15.104	5.208
x		1386.526	671.370	61911.481	933.537	270.315	318.406	137.501	12.847	7.118
σ		7.865	22.769	678.225	32.000	9.758	10.434	7.864	4.368	1.829
%RSD		0.567	3.391	1.095	3.428	3.610	3.277	5.720	33.999	25.697

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:41:14	57.813	62.500	51.563	31.250	82.813	0.000	189115.410	109.375	34.375
2	05:42:22	50.000	35.938	50.000	18.750	70.313	0.000	188914.330	120.313	15.625
3	05:43:30	37.500	43.750	71.875	35.938	90.625	0.000	192678.170	104.688	17.188
x		48.438	47.396	57.813	28.646	81.250	0.000	190235.970	111.459	22.396
σ		10.246	13.651	12.204	8.885	10.246	0.000	2117.393	8.018	10.404
%RSD		21.153	28.803	21.109	31.016	12.610	0.000	1.113	7.194	46.453

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:41:14	6.250	6.250	23.438	125.001	68.750	84.375	5874.645	10119.208	376779.010
2	05:42:22	7.813	7.813	7.813	140.626	57.813	60.938	5955.929	10011.319	366015.490
3	05:43:30	17.188	17.188	20.313	125.001	62.500	56.250	5799.615	10216.152	376748.540
x		10.417	10.417	17.188	130.209	63.021	67.188	5876.730	10115.560	373181.010
σ		5.916	5.916	8.268	9.021	5.487	15.068	78.178	102.465	6205.546
%RSD		56.789	56.789	48.105	6.928	8.707	22.427	1.330	1.013	1.663

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:41:14	386686.990	46.875	106.250	553.136	490.633	1106.293	296447.380	1437.572
2	05:42:22	389239.300	26.563	46.875	559.386	414.069	1070.353	297696.390	1450.074
3	05:43:30	389852.560	25.000	57.813	490.633	520.322	1093.792	298787.570	1514.143
x		388592.950	32.813	70.313	534.385	475.008	1090.146	297643.780	1467.263
σ		1678.845	12.204	31.600	38.019	54.823	18.245	1170.982	41.077
%RSD		0.432	37.192	44.942	7.114	11.541	1.674	0.393	2.800

C2377-07 MJDX65S 06/05/2011 05:48:02 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:49:10	35011.601	3565.028	192.189	1707.915	11288154.000	4030756.900	559498.480	604089.120	808222.970
2	05:50:17	35010.035	3563.986	176.564	1757.921	11585090.000	4012316.600	548858.520	587680.200	803391.220
3	05:51:25	34464.962	3632.233	198.439	1870.435	11362259.000	4023558.300	566195.280	601011.760	808028.010
x		34828.866	3587.082	189.064	1778.757	11411834.000	4022210.600	558184.100	597593.690	806547.400
σ		315.151	39.105	11.267	83.240	154551.330	9293.772	8742.800	8722.132	2735.068
%RSD		0.905	1.090	5.960	4.680	1.354	0.231	1.566	1.460	0.339

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:49:10	3765457.600	4870.525	25319.292	572759.340	891286.020	30800.355	500368.320	91455.875	68.750
2	05:50:17	3708291.400	5401.814	25106.417	571562.820	883890.850	30678.218	498965.840	90998.279	112.500
3	05:51:25	3841999.100	5524.077	24981.198	580643.220	888310.560	30355.655	500481.560	89443.192	84.375
x		3771916.000	5265.472	25135.636	574988.460	887829.140	30611.409	499938.580	90632.448	88.542
σ		67087.391	347.455	170.931	4933.575	3721.012	229.755	844.315	1055.034	22.171
%RSD		1.779	6.599	0.680	0.858	0.419	0.751	0.169	1.164	25.040

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:49:10	420653.360	117290.470	58146.219	58434.893	444285.670	915467.450	21566.266	350388.720	75187.969
2	05:50:17	429646.390	114166.880	60843.354	57485.742	447483.180	919691.880	22196.919	352563.120	73791.654
3	05:51:25	437754.230	115880.590	62933.630	57808.917	451273.080	928029.440	22229.782	359384.660	74996.340
x		429351.330	115779.310	60641.068	57909.851	447680.640	921062.920	21997.656	354112.170	74658.654
σ		8554.252	1564.255	2400.108	482.559	3497.888	6392.239	373.955	4693.763	756.933
%RSD		1.992	1.351	3.958	0.833	0.781	0.694	1.700	1.326	1.014

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:49:10	93210.913	45878.238	128285.930	4703.899	342.192	375.526	328.650	100.521	11.458
2	05:50:17	92257.882	46553.856	128131.430	4772.151	400.006	388.547	381.776	94.792	12.500
3	05:51:25	93888.768	46972.410	127401.510	4808.101	420.319	412.506	320.316	96.354	10.938
x		93119.188	46468.168	127939.620	4761.384	387.505	392.193	343.581	97.223	11.632
σ		819.303	552.096	472.381	52.929	40.536	18.758	33.340	2.962	0.796
%RSD		0.880	1.188	0.369	1.112	10.461	4.783	9.704	3.046	6.840

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:49:10	45.313	53.125	51.563	31.250	79.688	0.000	186466.870	734.394	28810.272
2	05:50:17	45.313	64.063	65.625	40.625	82.813	0.000	184380.680	735.956	28292.050
3	05:51:25	50.000	37.500	51.563	28.125	78.125	0.000	184917.230	795.335	29013.808
x		46.875	51.563	56.250	33.333	80.209	0.000	185254.930	755.228	28705.377
σ		2.706	13.350	8.119	6.505	2.387	0.000	1083.317	34.742	372.137
%RSD		5.774	25.891	14.434	19.516	2.976	0.000	0.585	4.600	1.296

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:49:10	492.196	492.196	27155.473	7311.245	64.063	47470.929	156399.910	271857.660	361997.850
2	05:50:17	460.945	460.945	27139.818	7303.429	98.438	48576.197	156112.420	275052.320	357864.390
3	05:51:25	450.007	450.007	26925.350	7308.119	87.500	47336.108	157342.990	270475.550	349288.830
x		467.716	467.716	27073.547	7307.598	83.334	47794.411	156618.440	272461.840	356383.690
σ		21.894	21.894	128.581	3.934	17.562	680.394	643.737	2347.445	6482.603
%RSD		4.681	4.681	0.475	0.054	21.075	1.424	0.411	0.862	1.819

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:49:10	376288.200	33580.045	82738.909	12155.169	10611.752	24098.434	287275.320	1350.064
2	05:50:17	374307.490	32701.448	83230.816	11895.576	10719.645	25663.656	286368.320	1403.194
3	05:51:25	364577.860	32916.003	84106.233	12173.935	10958.889	24719.806	277175.590	1498.516
x		371724.520	33065.832	83358.653	12074.893	10763.429	24827.299	283606.410	1417.258
σ		6267.924	458.061	692.568	155.577	177.662	788.128	5587.689	75.219
%RSD		1.686	1.385	0.831	1.288	1.651	3.174	1.970	5.307

C2377-05LX5 MJDX65L 06/05/2011 05:55:57 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:57:05	36668.876	3.125	82.813	403.131	2444567.000	786731.020	108693.180	129151.490	2012.642
2	05:58:13	37287.662	3.125	64.063	406.256	2404160.600	795150.370	108724.670	128741.560	2197.044
3	05:59:21	37818.743	3.125	76.563	379.693	2478475.900	803425.910	108305.880	128413.630	2165.789
x		37258.427	3.125	74.479	396.360	2442401.200	795102.430	108574.580	128768.900	2125.158
σ		575.491	0.000	9.547	14.518	37204.972	8347.549	233.230	369.687	98.687
%RSD		1.545	0.000	12.818	3.663	1.523	1.050	0.215	0.287	4.644

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:57:05	755032.660	1729.792	22466.089	161855.490	235273.110	6798.492	109225.340	91657.158	20.313
2	05:58:13	739333.280	1761.046	22678.925	168977.870	235959.290	6689.066	106659.190	95014.927	26.563
3	05:59:21	766702.080	1704.789	23239.199	177701.520	238348.460	6542.123	108616.030	94887.522	17.188
x		753689.340	1731.876	22794.738	169511.630	236526.950	6676.560	108166.850	93853.202	21.354
σ		13733.758	28.186	399.355	7936.488	1614.352	128.642	1340.750	1902.896	4.774
%RSD		1.822	1.627	1.752	4.682	0.683	1.927	1.240	2.028	22.354

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:57:05	42796.821	551.573	14283.700	4392.863	1623.530	63410.733	1114.106	34.375	42.188
2	05:58:13	42000.714	546.885	13988.095	4477.264	1664.159	63817.225	1071.915	43.750	40.625
3	05:59:21	41052.652	568.761	13620.553	4474.138	1637.594	64159.377	1118.794	50.000	48.438
x		41950.062	555.740	13964.116	4448.088	1641.761	63795.778	1101.605	42.708	43.750
σ		873.187	11.518	332.223	47.852	20.633	374.783	25.819	7.864	4.134
%RSD		2.081	2.073	2.379	1.076	1.257	0.587	2.344	18.414	9.449

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:57:05	303.128	173.439	12672.806	297.399	85.938	109.896	163.543	6.250	9.375
2	05:58:13	364.067	151.563	12794.790	313.024	90.625	102.605	153.126	10.938	8.333
3	05:59:21	343.754	195.314	12732.234	313.545	95.313	114.063	161.459	7.813	9.896
x		336.983	173.439	12733.276	307.989	90.625	108.855	159.376	8.333	9.201
σ		31.029	21.875	60.999	9.175	4.688	5.800	5.512	2.387	0.796
%RSD		9.208	12.613	0.479	2.979	5.172	5.328	3.459	28.641	8.646

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:57:05	23.438	14.063	14.063	9.375	20.313	0.000	195546.430	114.063	4.688
2	05:58:13	15.625	14.063	15.625	10.938	26.563	0.000	197504.340	85.938	7.813
3	05:59:21	20.313	20.313	12.500	7.813	29.688	0.000	196347.940	103.125	9.375
x		19.792	16.146	14.063	9.375	25.521	0.000	196466.240	101.042	7.292
σ		3.932	3.608	1.563	1.563	4.774	0.000	984.301	14.178	2.387
%RSD		19.868	22.349	11.111	16.667	18.704	0.000	0.501	14.032	32.733

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:57:05	0.000	0.000	7.813	39.063	45.313	50.000	1226.615	2147.036	370447.880
2	05:58:13	3.125	3.125	1.563	34.375	48.438	28.125	1250.055	2154.850	380133.330
3	05:59:21	0.000	0.000	4.688	25.000	60.938	34.375	1207.864	2207.983	375722.030
x		1.042	1.042	4.688	32.813	51.563	37.500	1228.178	2169.957	375434.410
σ		1.804	1.804	3.125	7.160	8.268	11.267	21.139	33.163	4849.127
%RSD		173.205	173.205	66.667	21.822	16.035	30.046	1.721	1.528	1.292

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:57:05	392341.190	110.938	182.814	120.313	120.313	264.065	290283.660	257.815
2	05:58:13	391605.790	84.375	210.939	104.688	100.000	234.377	303689.320	300.003
3	05:59:21	390835.110	46.875	134.376	112.500	128.126	253.127	299269.370	296.878
x		391594.030	80.729	176.043	112.500	116.146	250.523	297747.450	284.899
σ		753.106	32.187	38.728	7.813	14.518	15.014	6831.184	23.507
%RSD		0.192	39.870	21.999	6.944	12.500	5.993	2.294	8.251

C2377-08 MJDX66 06/05/2011 06:03:53 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:05:01	36255.322	4.688	109.375	628.139	9211957.400	5443086.700	755998.030	826632.830	10233.351
2	06:06:09	36173.866	4.688	131.251	618.763	9139460.900	5462206.800	765139.460	823045.270	9717.366
3	06:07:17	35835.515	2.604	123.438	618.763	9192722.800	5528298.100	773772.920	817737.470	10142.662
x		36088.235	3.993	121.355	621.889	9181380.400	5477863.900	764970.140	822471.860	10031.127
σ		222.619	1.203	11.085	5.413	37555.641	44711.300	8888.656	4475.317	275.482
%RSD		0.617	30.123	9.135	0.870	0.409	0.816	1.162	0.544	2.746

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:05:01	4253847.000	2256.313	40692.248	557273.950	734294.030	33078.878	545892.210	95961.850	109.375
2	06:06:09	4157826.200	1938.429	40698.515	565714.940	724496.700	32856.491	544149.450	94212.766	92.188
3	06:07:17	4280811.200	2031.793	40349.089	564769.230	745721.570	33229.226	541483.790	94503.740	75.000
x		4230828.100	2075.512	40579.951	562586.040	734837.430	33054.865	543841.820	94892.785	92.188
σ		64643.046	163.389	199.957	4624.642	10622.862	187.524	2220.252	937.198	17.188
%RSD		1.528	7.872	0.493	0.822	1.446	0.567	0.408	0.988	18.644

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:05:01	105887.850	915.654	35389.092	4202.181	2570.544	64875.099	1864.184	196.876	95.313
2	06:06:09	112362.030	984.409	37032.312	4172.484	2362.695	63771.710	1879.811	164.063	109.375
3	06:07:17	117563.000	956.282	39067.409	4089.648	2497.093	64870.390	1823.554	140.626	104.688
x		111937.630	952.115	37162.937	4154.771	2476.777	64505.733	1855.850	167.189	103.125
σ		5849.134	34.566	1842.634	58.320	105.403	635.687	29.040	28.255	7.160
%RSD		5.225	3.630	4.958	1.404	4.256	0.985	1.565	16.900	6.943

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:05:01	8466.571	4084.959	11234.103	822.940	278.128	255.211	140.105	11.458	7.292
2	06:06:09	8252.383	4177.173	11316.981	842.733	265.627	290.628	127.084	13.021	8.333
3	06:07:17	8396.217	4216.247	11373.275	885.444	264.065	306.253	141.147	14.063	10.938
x		8371.723	4159.460	11308.120	850.373	269.273	284.031	136.112	12.847	8.854
σ		109.174	67.413	70.008	31.944	7.708	26.153	7.836	1.311	1.878
%RSD		1.304	1.621	0.619	3.757	2.862	9.208	5.757	10.202	21.209

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:05:01	20.313	37.500	43.750	21.875	51.563	0.000	194223.890	95.313	26.563
2	06:06:09	40.625	26.563	31.250	18.750	68.750	3.125	193439.920	96.875	31.250
3	06:07:17	23.438	34.375	28.125	23.438	54.688	0.000	193051.910	70.313	20.313
x		28.125	32.813	34.375	21.354	58.333	1.042	193571.910	87.500	26.042
σ		10.938	5.634	8.268	2.387	9.155	1.804	597.032	14.905	5.487
%RSD		38.889	17.169	24.052	11.177	15.695	173.205	0.308	17.035	21.071

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:05:01	0.000	0.000	28.125	18.750	31.250	40.625	1603.215	2853.410	390493.140
2	06:06:09	0.000	0.000	15.625	7.813	51.563	37.500	1590.714	2848.722	383695.430
3	06:07:17	0.000	0.000	20.313	7.813	40.625	50.000	1689.162	2884.666	387104.320
x		0.000	0.000	21.354	11.458	41.146	42.708	1627.697	2862.266	387097.630
σ		0.000	0.000	6.315	6.315	10.166	6.505	53.596	19.540	3398.858
%RSD		0.000	0.000	29.572	55.111	24.708	15.232	3.293	0.683	0.878

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:05:01	407098.730	59.375	107.813	342.192	250.002	592.200	307778.570	3594.202
2	06:06:09	409767.160	43.750	103.125	321.879	289.065	587.512	305950.870	3936.480
3	06:07:17	405208.620	37.500	96.875	320.316	285.940	645.327	307628.520	3677.036
x		407358.170	46.875	102.605	328.129	275.003	608.346	307119.320	3735.906
σ		2290.322	11.267	5.487	12.204	21.707	32.112	1014.683	178.572
%RSD		0.562	24.037	5.348	3.719	7.894	5.279	0.330	4.780

C2377-09 MJDX67 06/05/2011 06:11:50 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:12:58	36576.452	4.688	114.063	510.947	6961694.600	3956006.800	551957.170	590010.870	1431.322
2	06:14:06	36109.642	3.125	110.938	557.823	7006602.100	3970245.400	563314.640	604744.100	1459.450
3	06:15:14	36784.798	3.646	101.563	493.759	7025271.200	4060970.500	552788.980	599516.480	1495.391
x		36490.297	3.819	108.855	520.843	6997856.000	3995740.900	556020.260	598090.490	1462.054
σ		345.726	0.796	6.505	33.159	32678.225	56937.349	6330.795	7469.412	32.114
%RSD		0.947	20.830	5.976	6.366	0.467	1.425	1.139	1.249	2.196

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:12:58	4196107.800	4699.356	26361.801	501889.050	747947.590	22865.159	385207.180	92849.194	81.250
2	06:14:06	4179245.700	4114.715	26487.032	508306.960	749695.090	23115.561	383576.680	94044.475	73.438
3	06:15:14	4257894.300	4474.836	26438.505	524761.150	760046.110	24231.471	387972.720	93986.281	79.688
x		4211082.600	4429.636	26429.112	511652.390	752562.930	23404.064	385585.530	93626.650	78.125
σ		41407.552	294.930	63.142	11797.336	6539.259	727.411	2222.306	673.925	4.134
%RSD		0.983	6.658	0.239	2.306	0.869	3.108	0.576	0.720	5.292

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:12:58	115899.490	1009.411	37785.843	2919.048	2190.793	48203.062	1135.983	60.938	64.063
2	06:14:06	122115.010	1017.224	40251.940	3067.517	1947.008	48944.639	1179.736	65.625	56.250
3	06:15:14	127425.150	1023.474	41527.458	3109.713	2087.653	49104.562	1200.050	54.688	68.750
x		121813.220	1016.703	39855.081	3032.093	2075.151	48750.754	1171.923	60.417	63.021
σ		5768.753	7.046	1902.116	100.147	122.373	481.008	32.741	5.487	6.315
%RSD		4.736	0.693	4.773	3.303	5.897	0.987	2.794	9.082	10.020

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:12:58	1543.833	770.333	18555.793	864.089	278.128	292.711	128.126	16.146	8.333
2	06:14:06	1537.583	734.394	18238.197	859.922	295.316	283.336	133.334	7.292	4.688
3	06:15:14	1640.719	821.899	18183.440	887.528	301.566	290.628	145.834	10.417	7.292
x		1574.045	775.542	18325.810	870.513	291.670	288.892	135.765	11.285	6.771
σ		57.826	43.984	201.044	14.882	12.137	4.923	9.101	4.490	1.878
%RSD		3.674	5.671	1.097	1.710	4.161	1.704	6.704	39.792	27.735

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:12:58	46.875	64.063	87.500	42.188	92.188	0.000	189514.390	75.000	10.938
2	06:14:06	62.500	64.063	57.813	39.063	76.563	0.000	190993.270	100.000	10.938
3	06:15:14	53.125	53.125	68.750	32.813	89.063	1.563	188798.760	85.938	15.625
x		54.167	60.417	71.354	38.021	85.938	0.521	189768.810	86.979	12.500
σ		7.864	6.315	15.014	4.774	8.268	0.902	1119.156	12.533	2.706
%RSD		14.519	10.452	21.042	12.555	9.621	173.205	0.590	14.409	21.651

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:12:58	0.000	0.000	17.188	15.625	42.188	29.688	796.897	1471.951	375426.920
2	06:14:06	1.563	1.563	10.938	12.500	48.438	26.563	843.775	1390.693	370143.260
3	06:15:14	1.563	1.563	12.500	6.250	45.313	28.125	815.648	1556.335	377279.470
x		1.042	1.042	13.542	11.458	45.313	28.125	818.773	1472.993	374283.210
σ		0.902	0.902	3.253	4.774	3.125	1.563	23.595	82.826	3703.027
%RSD		86.603	86.603	24.019	41.660	6.897	5.556	2.882	5.623	0.989

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:12:58	393812.090	35.938	71.875	853.150	737.519	1706.352	301491.940	2261.116
2	06:14:06	396797.710	14.063	53.125	818.773	767.208	1757.921	297646.930	2292.371
3	06:15:14	394722.650	25.000	56.250	784.397	756.270	1709.477	299162.480	2223.611
x		395110.820	25.000	60.417	818.773	753.666	1724.583	299433.780	2259.033
σ		1530.192	10.938	10.046	34.377	15.015	28.913	1936.806	34.428
%RSD		0.387	43.750	16.627	4.199	1.992	1.677	0.647	1.524

C2377-10 MJDX70 06/05/2011 06:19:47 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:20:55	37098.107	3.646	125.001	704.705	8765589.800	5622191.000	774181.420	836478.750	19685.429
2	06:22:03	36567.053	1.563	101.563	707.830	8621015.100	5552713.600	768430.720	831286.890	19846.589
3	06:23:11	35660.077	0.000	107.813	729.706	8629893.000	5520648.400	777910.800	833267.760	19902.917
x		36441.746	1.736	111.459	714.080	8672166.000	5565184.300	773507.640	833677.800	19811.645
σ		727.158	1.829	12.137	13.622	81029.092	51907.261	4775.822	2620.101	112.877
%RSD		1.995	105.357	10.889	1.908	0.934	0.933	0.617	0.314	0.570

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:20:55	4277011.200	2754.258	41414.632	533063.320	733651.300	33647.391	549251.750	94931.563	90.625
2	06:22:03	4378277.200	2636.441	41319.043	549110.540	731724.930	33232.359	541735.250	98008.486	93.750
3	06:23:11	4310116.900	2525.293	41074.589	563703.350	730424.930	33354.518	555856.230	94272.533	92.188
x		4321801.800	2638.664	41269.421	548625.730	731933.720	33411.423	548947.740	95737.527	92.188
σ		51634.315	114.499	175.368	15325.764	1623.288	213.288	7065.396	1994.122	1.563
%RSD		1.195	4.339	0.425	2.793	0.222	0.638	1.287	2.083	1.695

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:20:55	117602.390	923.467	38790.092	4235.003	3541.064	69730.706	1956.384	46.875	85.938
2	06:22:03	124460.120	931.280	41074.589	4253.758	3495.740	69997.632	2022.018	46.875	85.938
3	06:23:11	129183.020	967.220	42958.242	4230.314	3445.728	69959.948	2020.455	56.250	89.063
x		123748.510	940.656	40940.975	4239.691	3494.177	69896.095	1999.619	50.000	86.979
σ		5823.020	23.335	2087.285	12.406	47.687	144.465	37.451	5.413	1.804
%RSD		4.706	2.481	5.098	0.293	1.365	0.207	1.873	10.825	2.074

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:20:55	10456.951	5213.451	12602.431	881.798	289.065	298.961	142.709	9.896	6.771
2	06:22:03	10320.914	5139.987	12543.004	904.716	287.503	281.774	132.292	14.583	12.500
3	06:23:11	10599.243	5204.073	12402.256	959.928	317.191	331.775	137.501	11.458	12.500
x		10459.036	5185.837	12515.897	915.481	297.920	304.170	137.501	11.979	10.590
σ		139.176	39.983	102.804	40.162	16.708	25.404	5.208	2.387	3.308
%RSD		1.331	0.771	0.821	4.387	5.608	8.352	3.788	19.924	31.234

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:20:55	42.188	20.313	42.188	21.875	40.625	0.000	194830.500	92.188	9.375
2	06:22:03	28.125	23.438	32.813	20.313	45.313	0.000	193926.130	107.813	7.813
3	06:23:11	23.438	31.250	45.313	21.875	54.688	1.563	191123.110	92.188	14.063
x		31.250	25.000	40.104	21.354	46.875	0.521	193293.250	97.396	10.417
σ		9.758	5.634	6.505	0.902	7.160	0.902	1933.027	9.021	3.253
%RSD		31.225	22.535	16.221	4.225	15.275	173.205	1.000	9.262	31.225

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:20:55	3.125	3.125	14.063	6.250	34.375	40.625	1657.909	2967.496	382082.750
2	06:22:03	3.125	3.125	12.500	1.563	40.625	21.875	1870.435	3117.528	381826.020
3	06:23:11	1.563	1.563	6.250	4.688	46.875	12.500	1817.303	3101.899	382576.970
x		2.604	2.604	10.938	4.167	40.625	25.000	1781.882	3062.308	382161.910
σ		0.902	0.902	4.134	2.387	6.250	14.321	110.602	82.480	381.680
%RSD		34.641	34.641	37.796	57.282	15.385	57.282	6.207	2.693	0.100

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:20:55	404679.880	23.438	59.375	306.253	275.003	598.450	304867.130	3634.837
2	06:22:03	403747.800	15.625	50.000	310.941	239.065	667.203	305636.440	3681.724
3	06:23:11	402616.540	15.625	35.938	328.129	218.752	682.829	299309.250	3705.168
x		403681.410	18.229	48.438	315.108	244.273	649.494	303270.940	3673.910
σ		1033.270	4.511	11.797	11.518	28.485	44.890	3452.416	35.811
%RSD		0.256	24.744	24.354	3.655	11.661	6.912	1.138	0.975

zzzzzz 06/05/2011 06:27:44 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:28:52	38707.055	1.563	18.750	296.878	18768.571	1014.099	143.751	195.314	770.333
2	06:30:00	39716.069	3.646	26.563	301.566	18992.304	1043.788	145.313	135.938	804.710
3	06:31:08	38916.999	1.563	42.188	309.378	18695.037	1082.853	135.938	145.313	806.273
x		39113.374	2.257	29.167	302.607	18818.637	1046.913	141.667	158.855	793.772
σ		532.400	1.203	11.934	6.315	154.828	34.484	5.023	31.920	20.314
%RSD		1.361	53.294	40.916	2.087	0.823	3.294	3.545	20.094	2.559

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:28:52	3181.604	1257.868	22087.374	78386.341	58700.040	7.813	293.753	96710.624	6.250
2	06:30:00	3255.058	1225.053	22401.926	77220.643	58576.095	9.375	331.254	100280.420	6.250
3	06:31:08	3034.697	1256.305	22110.848	73821.495	59164.449	6.250	253.127	99190.037	1.563
x		3157.120	1246.409	22200.049	76476.160	58813.528	7.813	292.711	98727.028	4.688
σ		112.202	18.511	175.224	2371.739	310.161	1.563	39.074	1829.385	2.706
%RSD		3.554	1.485	0.789	3.101	0.527	20.000	13.349	1.853	57.735

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:28:52	22447.310	443.757	7459.760	3556.693	181.251	46848.567	351.567	4.688	4.688
2	06:30:00	20378.587	473.445	7039.234	3376.962	159.376	46364.178	351.567	3.125	4.688
3	06:31:08	18768.571	407.818	6257.620	3436.351	196.876	47006.898	318.754	6.250	9.375
x		20531.489	441.674	6918.871	3456.668	179.168	46739.881	340.629	4.688	6.250
σ		1844.130	32.863	610.041	91.572	18.837	334.861	18.945	1.563	2.706
%RSD		8.982	7.441	8.817	2.649	10.514	0.716	5.562	33.333	43.301

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:28:52	28.125	18.750	82.813	200.522	54.688	63.021	165.626	7.292	11.979
2	06:30:00	28.125	14.063	89.063	168.751	73.438	53.125	170.834	10.938	9.375
3	06:31:08	29.688	12.500	79.688	157.293	37.500	46.875	155.209	7.813	10.938
x		28.646	15.104	83.854	175.522	55.208	54.340	163.890	8.681	10.764
σ		0.902	3.253	4.774	22.396	17.974	8.141	7.956	1.972	1.311
%RSD		3.149	21.534	5.693	12.760	32.557	14.982	4.854	22.716	12.177

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:28:52	4.688	1.563	1.563	0.000	1.563	0.000	205825.260	121.876	3.125
2	06:30:00	7.813	0.000	6.250	3.125	6.250	1.563	207094.980	96.875	0.000
3	06:31:08	4.688	1.563	6.250	0.000	3.125	3.125	207354.960	101.563	1.563
x		5.729	1.042	4.688	1.042	3.646	1.563	206758.400	106.771	1.563
σ		1.804	0.902	2.706	1.804	2.387	1.563	818.509	13.289	1.563
%RSD		31.492	86.603	57.735	173.205	65.465	100.000	0.396	12.446	100.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:28:52	0.000	0.000	1.563	3.125	31.250	6.250	0.000	1.563	398977.490
2	06:30:00	0.000	0.000	0.000	4.688	21.875	12.500	1.563	3.125	407580.940
3	06:31:08	0.000	0.000	0.000	0.000	29.688	10.938	1.563	6.250	400444.250
x		0.000	0.000	0.521	2.604	27.604	9.896	1.042	3.646	402334.230
σ		0.000	0.000	0.902	2.387	5.023	3.253	0.902	2.387	4602.592
%RSD		0.000	0.000	173.205	91.652	18.196	32.868	86.603	65.465	1.144

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:28:52	414938.260	25.000	28.125	12.500	17.188	34.375	322496.380	3.125
2	06:30:00	421951.760	17.188	34.375	23.438	20.313	37.500	324663.400	3.125
3	06:31:08	419662.350	15.625	50.000	21.875	10.938	25.000	319816.830	3.125
x		418850.790	19.271	37.500	19.271	16.146	32.292	322325.540	3.125
σ		3576.492	5.023	11.267	5.916	4.774	6.505	2427.794	0.000
%RSD		0.854	26.064	30.046	30.697	29.565	20.145	0.753	0.000

zzzzzz 06/05/2011 06:35:41 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:36:49	39355.698	3.125	37.500	315.628	17673.425	876.589	142.188	168.751	787.522
2	06:37:57	39951.098	3.646	26.563	378.130	17357.413	895.341	104.688	129.688	765.646
3	06:39:05	40584.128	3.125	32.813	342.192	17964.413	1029.725	139.063	148.438	812.523
x		39963.641	3.299	32.292	345.317	17665.084	933.885	128.646	148.959	788.563
σ		614.311	0.301	5.487	31.368	303.586	83.528	20.807	19.537	23.456
%RSD		1.537	9.116	16.993	9.084	1.719	8.944	16.174	13.115	2.975

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:36:49	3094.085	1304.747	22691.445	59112.673	59195.829	9.375	284.378	99197.904	3.125
2	06:37:57	3031.572	1250.055	22555.292	60612.689	59686.929	7.813	284.378	100326.050	0.000
3	06:39:05	3201.921	1312.560	22625.716	62599.354	60096.453	14.063	271.878	100529.040	7.813
x		3109.193	1289.121	22624.151	60774.905	59659.737	10.417	280.211	100017.660	3.646
σ		86.174	34.057	68.090	1748.991	450.927	3.253	7.217	717.151	3.932
%RSD		2.772	2.642	0.301	2.878	0.756	31.225	2.576	0.717	107.855

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:36:49	13726.904	395.318	4821.126	3370.710	145.313	47895.781	371.880	6.250	9.375
2	06:37:57	13307.758	389.068	4428.811	3439.477	156.251	47944.381	376.567	4.688	4.688
3	06:39:05	12822.940	389.068	4427.248	3476.986	165.626	48348.866	364.067	0.000	7.813
x		13285.867	391.151	4559.062	3429.057	155.730	48063.009	370.838	3.646	7.292
σ		452.380	3.609	226.955	53.898	10.166	248.749	6.315	3.253	2.387
%RSD		3.405	0.923	4.978	1.572	6.528	0.518	1.703	89.214	32.733

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:36:49	25.000	10.938	71.875	104.688	21.875	38.021	161.980	14.583	14.583
2	06:37:57	20.313	10.938	79.688	94.792	48.438	42.188	155.730	9.375	9.896
3	06:39:05	23.438	9.375	82.813	106.250	43.750	42.188	148.959	5.729	10.938
x		22.917	10.417	78.125	101.910	38.021	40.799	155.556	9.896	11.806
σ		2.387	0.902	5.634	6.214	14.178	2.406	6.512	4.450	2.461
%RSD		10.415	8.660	7.211	6.097	37.290	5.896	4.186	44.968	20.849

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:36:49	3.125	1.563	1.563	3.125	6.250	0.000	203942.290	120.313	0.000
2	06:37:57	7.813	1.563	3.125	1.563	6.250	0.000	210476.680	115.625	6.250
3	06:39:05	9.375	3.125	3.125	0.000	3.125	0.000	211437.590	128.126	3.125
x		6.771	2.083	2.604	1.563	5.208	0.000	208618.850	121.355	3.125
σ		3.253	0.902	0.902	1.563	1.804	0.000	4078.417	6.315	3.125
%RSD		48.038	43.301	34.641	100.000	34.641	0.000	1.955	5.204	100.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:36:49	0.000	0.000	3.125	3.125	20.313	9.375	3.125	6.250	396698.130
2	06:37:57	1.563	1.563	3.125	0.000	26.563	4.688	4.688	4.688	403509.970
3	06:39:05	0.000	0.000	1.563	0.000	39.063	6.250	1.563	4.688	411907.090
x		0.521	0.521	2.604	1.042	28.646	6.771	3.125	5.208	404038.400
σ		0.902	0.902	0.902	1.804	9.547	2.387	1.563	0.902	7618.239
%RSD		173.205	173.205	34.641	173.205	33.328	35.251	50.000	17.321	1.886

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:36:49	413333.350	17.188	40.625	17.188	10.938	26.563	323618.200	4.688
2	06:37:57	420970.310	9.375	56.250	7.813	20.313	32.813	324172.750	1.563
3	06:39:05	428638.670	28.125	51.563	10.938	9.375	37.500	324083.260	1.563
x		420980.770	18.229	49.479	11.979	13.542	32.292	323958.070	2.604
σ		7652.664	9.418	8.018	4.774	5.916	5.487	297.716	1.804
%RSD		1.818	51.666	16.205	39.849	43.684	16.993	0.092	69.282

CCV 06/05/2011 06:43:38 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:44:46	39247.589	41833.036	9768.964	479.696	31887968.000	22489938.000	3159430.900	3666851.500	5122949.200
2	06:45:54	39241.322	41812.664	9686.095	439.069	32363553.000	22713107.000	3175698.800	3791503.800	5262395.900
3	06:47:01	39435.606	42370.554	10213.024	479.696	32750631.000	23346321.000	3215608.700	3787130.200	5190328.100
x		39308.172	42005.418	9889.361	466.153	32334051.000	22849789.000	3183579.500	3748495.200	5191891.100
σ		110.405	316.381	283.346	23.456	432087.350	444251.470	28906.142	70739.316	69736.488
%RSD		0.281	0.753	2.865	5.032	1.336	1.944	0.908	1.887	1.343

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:44:46	116405.010	197493.250	22117.108	67374.126	10964714.000	55847.976	799774.650	98507.212	24895.110
2	06:45:54	120244.020	200821.990	21869.852	70171.921	11458511.000	59406.500	803184.770	97759.917	24979.633
3	06:47:01	117752.680	201427.300	22362.802	71949.480	11500108.000	58911.991	806057.160	99059.448	25770.097
x		118133.900	199914.180	22116.587	69831.842	11307778.000	58055.489	803005.530	98442.192	25214.947
σ		1947.689	2118.317	246.475	2306.557	297829.070	1927.685	3145.087	652.201	482.628
%RSD		1.649	1.060	1.114	3.303	2.634	3.320	0.392	0.663	1.914

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:44:46	367275.330	349245.610	46124.341	1420209.700	1044280.200	25883649.000	601241.620	427185.150	88702.658
2	06:45:54	370686.770	358272.880	47221.667	1415102.300	1053089.800	25946881.000	615538.170	436029.230	92849.194
3	06:47:01	374926.530	354899.610	45734.027	1438495.000	1070060.500	26254202.000	603498.550	432310.930	94256.805
x		370962.880	354139.370	46360.012	1424602.400	1055810.200	26028244.000	606759.450	431841.770	91936.219
σ		3833.065	4561.401	771.313	12299.390	13103.689	198222.890	7685.889	4440.667	2887.435
%RSD		1.033	1.288	1.664	0.863	1.241	0.762	1.267	1.028	3.141

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:44:46	429771.960	213698.990	155984.470	53626.506	3822.386	3880.214	12201.563	5346.313	11.458
2	06:45:54	443729.720	217650.160	157859.580	53541.814	3736.426	3895.844	12499.737	5205.115	13.021
3	06:47:01	445367.010	219171.590	160033.570	54516.323	3834.890	4004.207	12625.368	5404.147	12.500
x		439622.900	216840.250	157959.210	53894.881	3797.901	3926.755	12442.223	5318.525	12.326
σ		8570.348	2824.769	2026.390	539.848	53.604	67.529	217.678	102.384	0.796
%RSD		1.949	1.303	1.283	1.002	1.411	1.720	1.750	1.925	6.454

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:44:46	66242.289	113473.890	122308.850	73317.346	186471.620	3.125	202664.930	7608.276	358739.050
2	06:45:54	67509.136	116055.440	122890.370	75118.857	188985.580	1.563	198907.990	7652.049	365957.790
3	06:47:01	67297.202	116359.460	124056.640	74528.275	191382.800	0.000	205091.380	7723.963	365263.800
x		67016.209	115296.260	123085.280	74321.493	188946.670	1.563	202221.440	7661.429	363320.210
σ		678.560	1585.527	890.047	918.384	2455.824	1.563	3115.460	58.411	3982.547
%RSD		1.013	1.375	0.723	1.236	1.300	100.000	1.541	0.762	1.096

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:44:46	5662.059	5662.059	344798.900	87185.549	210752.570	291484.300	230143.690	395597.930	387866.770
2	06:45:54	5854.324	5854.324	349575.410	88311.182	217169.490	291388.630	238974.410	415538.130	395242.990
3	06:47:01	5644.865	5644.865	348461.170	86556.743	218522.700	295972.050	236685.210	413368.720	402849.530
x		5720.416	5720.416	347611.830	87351.158	215481.590	292948.330	235267.770	408168.260	395319.770
σ		116.286	116.286	2498.957	888.866	4150.961	2619.055	4582.825	10940.134	7491.675
%RSD		2.033	2.033	0.719	1.018	1.926	0.894	1.948	2.680	1.895

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:44:46	411474.580	408540.590	1014241.600	329516.380	318955.710	736567.650	303491.430	1694433.100
2	06:45:54	407073.010	411164.270	1024532.200	328096.760	320003.760	730641.860	305614.090	1713351.000
3	06:47:01	420659.800	423208.440	1049873.400	332448.780	322060.140	747768.250	311918.490	1772569.500
x		413069.130	414304.430	1029549.000	330020.640	320339.870	738325.920	307008.000	1726784.500
σ		6932.327	7821.889	18337.997	2219.399	1579.273	8697.524	4383.044	40763.607
%RSD		1.678	1.888	1.781	0.673	0.493	1.178	1.428	2.361

CCB 06/05/2011 06:51:32 AM

User Pre-dilution: 1.00

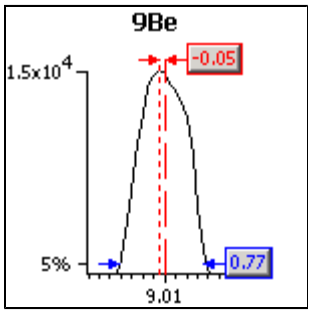
Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:52:40	41129.434	21.354	140.626	378.130	32764.091	9062.248	1284.433	1461.012	2373.635
2	06:53:48	41977.208	19.271	117.188	335.941	33957.498	10672.735	1484.452	1725.104	2840.907
3	06:54:56	40356.923	11.979	101.563	357.817	28364.068	7528.546	1029.725	1242.242	2165.789
x		41154.522	17.535	119.792	357.296	31695.219	9087.843	1266.203	1476.119	2460.110
σ		810.433	4.923	19.661	21.099	2945.926	1572.251	227.911	241.786	345.767
%RSD		1.969	28.074	16.413	5.905	9.295	17.301	18.000	16.380	14.055
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	06:52:40	3312.884	1415.695	22287.685	72637.323	70134.237	29.688	606.263	102939.860	26.563
2	06:53:48	3542.627	1448.511	22270.471	71315.061	70341.502	39.063	698.455	104167.460	10.938
3	06:54:56	3283.190	1462.575	22489.563	69396.271	67491.867	21.875	565.636	105453.410	7.813
x		3379.567	1442.260	22349.240	71116.218	69322.535	30.208	623.451	104186.910	15.104
σ		141.992	24.057	121.828	1629.650	1588.789	8.606	68.057	1256.886	10.045
%RSD		4.201	1.668	0.545	2.292	2.292	28.487	10.916	1.206	66.508
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	06:52:40	7928.762	482.821	2728.386	4202.181	501.571	52127.745	646.890	150.001	43.750
2	06:53:48	7752.103	540.635	2642.432	4208.432	681.266	54066.180	643.765	190.626	48.438
3	06:54:56	7684.879	485.946	2556.479	4130.284	464.070	51153.922	612.513	139.063	28.125
x		7788.581	503.134	2642.432	4180.299	548.969	52449.282	634.389	159.897	40.104
σ		125.967	32.515	85.953	43.427	116.097	1482.515	19.009	27.169	10.636
%RSD		1.617	6.462	3.253	1.039	21.148	2.827	2.997	16.991	26.520
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	06:52:40	221.877	78.125	160.938	84.375	21.875	20.313	193.751	8.333	5.208
2	06:53:48	195.314	107.813	157.813	88.021	25.000	28.646	193.751	10.938	10.938
3	06:54:56	190.626	82.813	146.876	67.188	20.313	21.354	196.876	14.063	9.375
x		202.606	89.584	155.209	79.861	22.396	23.438	194.793	11.111	8.507
σ		16.853	15.960	7.384	11.126	2.387	4.541	1.804	2.869	2.962
%RSD		8.318	17.816	4.758	13.932	10.657	19.373	0.926	25.817	34.814
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	06:52:40	107.813	215.627	193.751	156.251	356.254	0.000	220621.790	109.375	203.126
2	06:53:48	106.250	157.813	179.689	114.063	290.628	0.000	220137.840	134.376	284.378
3	06:54:56	90.625	139.063	140.626	85.938	217.189	0.000	215708.540	121.876	146.876
x		101.563	170.834	171.355	118.751	288.024	0.000	218822.720	121.876	211.460
σ		9.504	39.908	27.526	35.390	69.569	0.000	2707.794	12.500	69.129
%RSD		9.358	23.361	16.064	29.802	24.154	0.000	1.237	10.256	32.691
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	06:52:40	0.000	0.000	170.314	43.750	325.004	501.571	100.000	157.813	417024.260
2	06:53:48	0.000	0.000	192.189	34.375	323.441	442.194	112.500	200.001	419807.140
3	06:54:56	0.000	0.000	125.001	35.938	256.252	326.566	81.250	121.876	415920.910
x		0.000	0.000	162.501	38.021	301.566	423.444	97.917	159.897	417584.100
σ		0.000	0.000	34.269	5.023	39.250	88.996	15.729	39.105	2002.688
%RSD		0.000	0.000	21.088	13.210	13.016	21.017	16.064	24.456	0.480
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	06:52:40	435997.020	248.440	698.455	135.938	132.813	346.879	330291.800	657.828	
2	06:53:48	433805.220	301.566	654.703	185.939	157.813	360.942	327727.490	810.961	
3	06:54:56	439471.390	154.688	425.006	135.938	128.126	248.440	332739.820	464.070	
x		436424.540	234.898	592.721	152.605	139.584	318.754	330253.040	644.286	
σ		2857.176	74.369	146.883	28.868	15.960	61.298	2506.388	173.841	
%RSD		0.655	31.660	24.781	18.917	11.434	19.231	0.759	26.982	

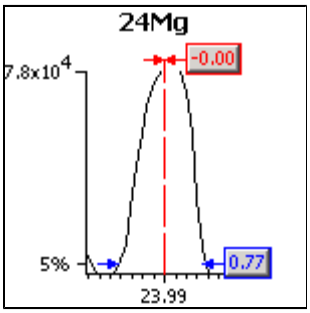
Performance Report

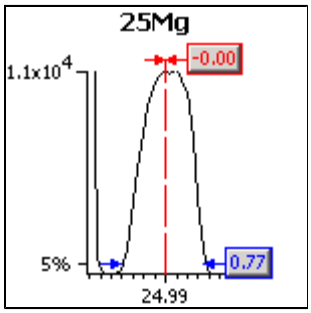
Sample details
Sample name : TUNE
Acquired at : 06/04/2011 03:11:09 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

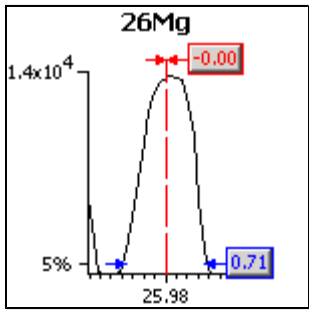
Mass Calibration verification

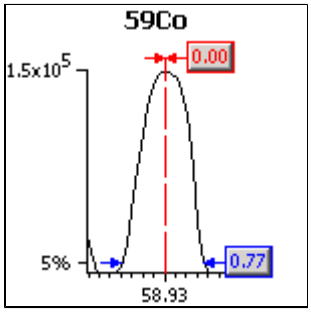
Acquisition parameters
Sweeps : 20
Dwell : 3.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum

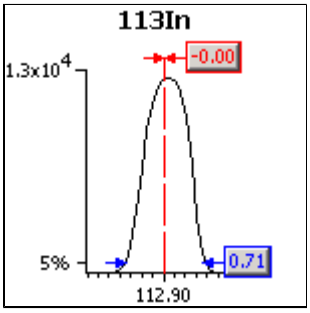


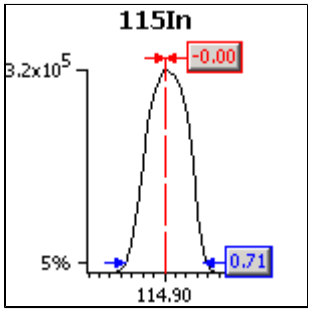


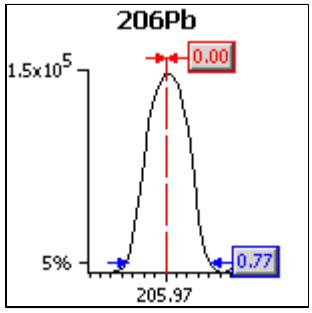


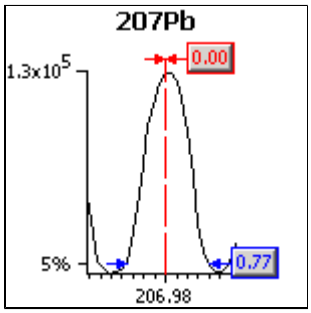


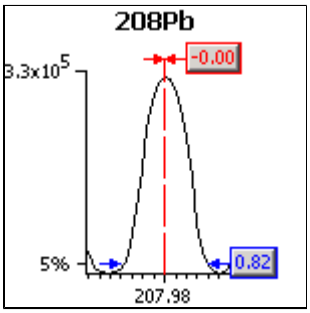












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.85	0.65	0.10	0.77	-0.05
24Mg	0.85	0.65	0.10	0.77	-0.00
25Mg	0.85	0.65	0.10	0.77	-0.00
26Mg	0.85	0.65	0.10	0.71	-0.00
59Co	0.85	0.65	0.10	0.77	0.00
113In	0.85	0.65	0.10	0.71	-0.00
115In	0.85	0.65	0.10	0.71	-0.00
206Pb	0.85	0.65	0.10	0.77	0.00
207Pb	0.85	0.65	0.10	0.77	0.00
208Pb	0.85	0.65	0.10	0.82	-0.00

Sample details
Sample name : TUNE
Acquired at : 06/05/2011 02:52:01 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

Tune conditions

Major	
Extraction	-118
Lens 1	0.3
Focus	25.9
D1	-36.9
Pole Bias	4.0
Hexapole Bias	-3.0
Nebuliser	0.86
Sampling Depth	130

Minor	
Lens 2	-32.9
Lens 3	-200.0
Forward power	1350
Horizontal	30
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	02:52:24 PM	0.769	15154.957	80595.941	10731.722	13032.095	156537.58	1883.970	13634.965	312243.94
2	02:52:53 PM	0.769	14709.877	79603.476	10627.028	12966.651	159743.55	1969.367	13669.614	314938.28
3	02:53:22 PM	0.000	14788.420	79629.003	10871.058	13085.991	158502.14	1898.588	13613.406	315217.41
4	02:53:52 PM	0.000	14763.779	80578.922	10720.944	12866.561	157540.83	1900.896	13547.960	314462.59
5	02:54:20 PM	0.769	14912.395	81555.208	10751.737	12985.899	160691.01	1928.592	13782.799	316043.05
x		0.462	14865.886	80392.510	10740.498	12987.440	158603.02	1916.282	13649.749	314581.05
σ		0.42	177.83	811.41	87.33	81.78	1663.20	33.78	86.60	1427.07
%RSD		91.287	1.196	1.009	0.813	0.630	1.049	1.763	0.634	0.454

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	02:52:24 PM	214427.28	323991.23	3967.474	149900.04	132572.30	328844.87	0.000
2	02:52:53 PM	214676.36	322368.20	4028.260	150888.83	133896.87	327172.51	0.000
3	02:53:22 PM	213503.60	323471.18	3962.857	150387.43	133160.03	324409.01	0.769
4	02:53:52 PM	214112.61	325634.90	4112.900	150954.13	134294.43	328534.78	0.769
5	02:54:20 PM	213066.37	321240.92	4125.980	149646.63	131831.65	327444.80	0.000
x		213957.25	323341.29	4039.494	150355.41	133151.06	327281.20	0.308
σ		663.64	1662.71	77.55	581.75	992.40	1753.89	0.42
%RSD		0.310	0.514	1.920	0.387	0.745	0.536	136.931

Ratio results

Run	Time	156Ce O/140Ce	138Ba++/138Ba
	Ratio limits	<0.0200	<0.0300
1	02:52:24 PM	0.012	0.009
2	02:52:53 PM	0.012	0.009
3	02:53:22 PM	0.012	0.009
4	02:53:52 PM	0.013	0.009
5	02:54:20 PM	0.013	0.009
x		0.0125	0.0090
σ		0.00	0.00
%RSD		2.0475	1.7252

Result : The performance report passed.

55Mn	Yes	0.95	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
54Fe	No	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	No	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	Semi-Quantified				No	
88Sr	Yes	0.96	Semi-Quantified				No	
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	

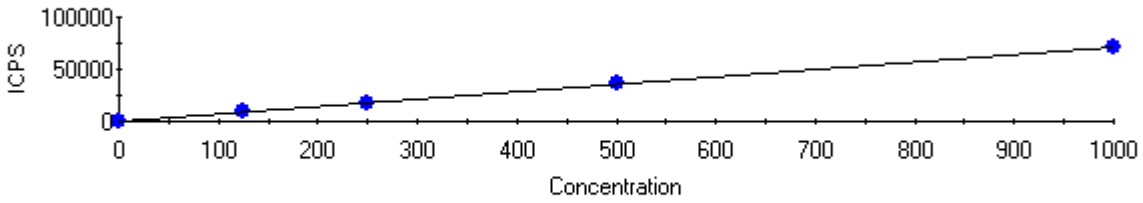
Sample List

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	ICV	Unknown	1.000	1	1	7	144
9	ICB	Unknown	1.000	1	1	8	144
10	ICSA	Unknown	1.000	1	1	9	144
11	ICSAB	Unknown	1.000	1	1	10	144
12	ICSAX10	Unknown	1.000	1	1	11	144
13	ICSABX10	Unknown	1.000	1	1	12	144
14	CCV	Unknown	1.000	1	2	1	144
15	CCB	Unknown	1.000	1	2	2	144
16	C2310-03 MF4R94D	Unknown	1.000	1	2	3	144
17	C2339-15X50 MF4Q21	Unknown	1.000	1	2	4	144
18	C2339-18X25 MF4Q29	Unknown	1.000	1	2	5	144
19	C2339-09 MF4Q13	Unknown	1.000	1	2	6	144
20	C2339-09X25 MF4Q13	Unknown	1.000	1	2	7	144
21	C2339-19 MF4Q58	Unknown	1.000	1	2	8	144

22	C2339-20 MF4Q59	Unknown	1.000	1	2	9	144
23	ZZZZZZ	Unknown	1.000	1	2	10	144
24	C2339-19X25 MF4Q58	Unknown	1.000	1	2	11	144
25	C2339-20X25 MF4Q59	Unknown	1.000	1	2	12	144
26	CCV	Unknown	1.000	1	3	1	144
27	CCB	Unknown	1.000	1	3	2	144
28	C2362-10 MJDX45	Unknown	1.000	1	3	3	144
29	C2362-11 MJDX46	Unknown	1.000	1	3	4	144
30	C2362-12 MJDX47	Unknown	1.000	1	3	5	144
31	C2362-13 MJDX48	Unknown	1.000	1	3	6	144
32	C2362-14 MJDX49	Unknown	1.000	1	3	7	144
33	C2362-15 MJDX50	Unknown	1.000	1	3	8	144
34	C2362-07 MJDX44	Unknown	1.000	1	3	9	144
35	C2362-08 MJDX44D	Unknown	1.000	1	3	10	144
36	C2362-09 MJDX44S	Unknown	1.000	1	3	11	144
37	C2362-07LX5 MJDX44L	Unknown	1.000	1	3	12	144
38	CCV	Unknown	1.000	1	4	1	144
39	CCB	Unknown	1.000	1	4	2	144
40	C2362-16 MJDX53	Unknown	1.000	1	4	3	144
41	C2377-05 MJDX65	Unknown	1.000	1	4	4	144
42	C2377-06 MJDX65D	Unknown	1.000	1	4	5	144
43	C2377-07 MJDX65S	Unknown	1.000	1	4	6	144
44	C2377-05LX5 MJDX65L	Unknown	1.000	1	4	7	144
45	C2377-08 MJDX66	Unknown	1.000	1	4	8	144
46	C2377-09 MJDX67	Unknown	1.000	1	4	9	144
47	C2377-10 MJDX70	Unknown	1.000	1	4	10	144
48	ZZZZZZ	Unknown	1.000	1	4	11	144
49	ZZZZZZ	Unknown	1.000	1	4	12	144
50	CCV	Unknown	1.000	1	5	1	144
51	CCB	Unknown	1.000	1	5	2	144

Fully Quant Calibration

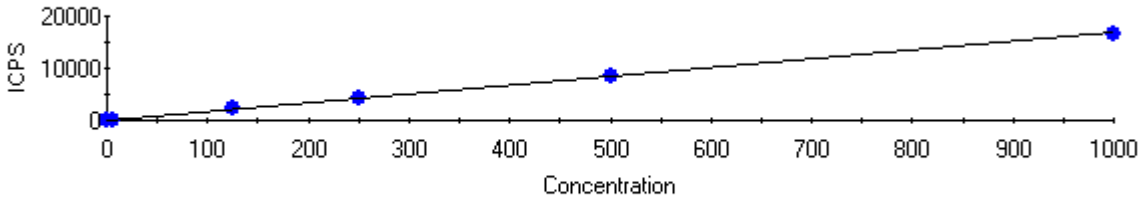
9Be FQ Block 1



Intercept CPS=22.742603 Intercept Conc=0.316451
Sensitivity=71.867587 Correlation Coeff=0.999969

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	22.74	0.00
S1 (S)	1.000	1.027	0.027	96.58	2.75
S2 (S)	125.000	126.520	1.520	9115.44	1.22
S3 (S)	250.000	253.847	3.847	18266.12	1.54
S4 (S)	500.000	505.270	5.270	36335.26	1.05
S5 (S)	1000.000	996.213	3.787	71618.19	0.38

10B FQ Block 1

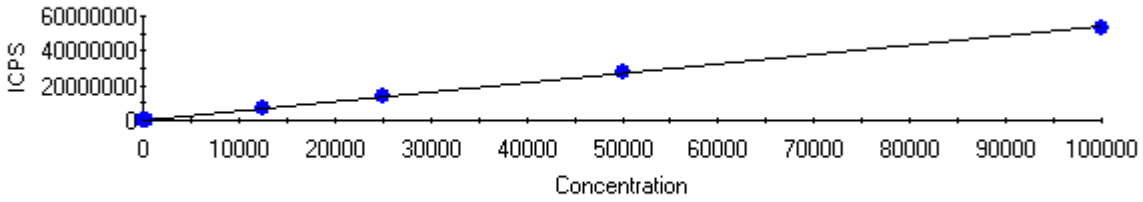


Intercept CPS=53.646952 Intercept Conc=3.201957
Sensitivity=16.754427 Correlation Coeff=0.999934

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	53.65	0.00
S1 (S)	5.000	4.078	0.922	121.97	18.44
S2 (S)	125.000	130.302	5.302	2236.79	4.24
S3 (S)	250.000	252.932	2.932	4291.38	1.17

S4 (S)	500.000	507.723	7.723	8560.26	1.54
S5 (S)	1000.000	994.747	5.253	16720.07	0.53

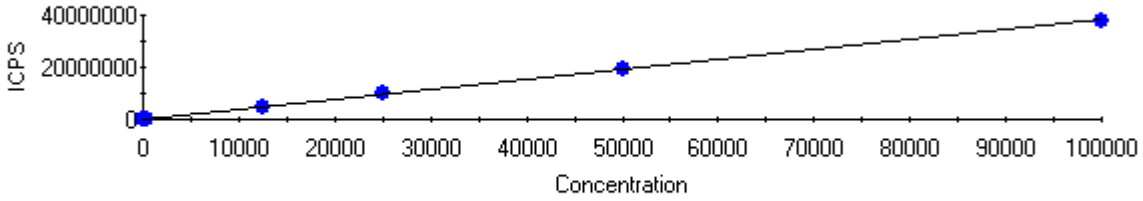
23Na FQ Block 1



Intercept CPS=32201.924931 Intercept Conc=59.952363
Sensitivity=537.125199 Correlation Coeff=0.999969

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	32201.92	0.00
S1 (S)	500.000	493.717	6.283	297389.89	1.26
S2 (S)	12500.000	12551.499	51.499	6773928.35	0.41
S3 (S)	25000.000	24953.314	46.686	13435255.66	0.19
S4 (S)	50000.000	50619.866	619.866	27221407.60	1.24
S5 (S)	100000.000	99695.332	304.668	53581077.16	0.30

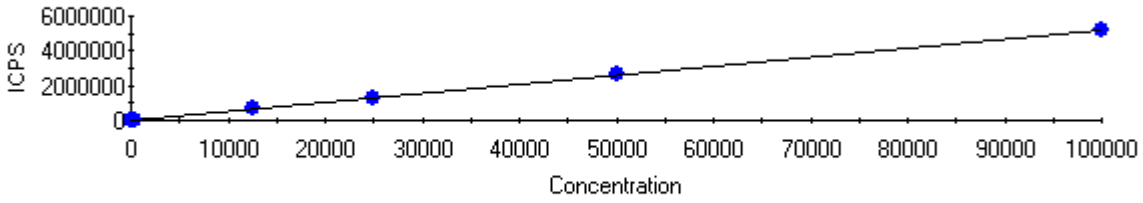
24Mg FQ Block 1



Intercept CPS=8112.161603 Intercept Conc=21.190417
Sensitivity=382.822187 Correlation Coeff=0.999930

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	8112.16	0.00
S1 (S)	500.000	523.983	23.983	208704.60	4.80
S2 (S)	12500.000	12766.915	266.915	4895570.32	2.14
S3 (S)	25000.000	25451.407	451.407	9751475.35	1.81
S4 (S)	50000.000	50859.578	859.578	19478287.13	1.72
S5 (S)	100000.000	99423.875	576.125	38069777.48	0.58

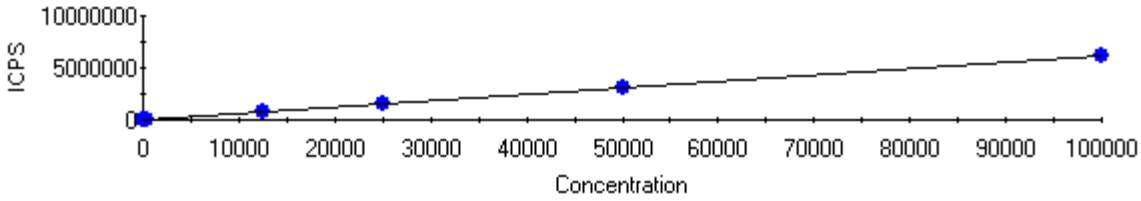
25Mg FQ Block 1



Intercept CPS=1065.570124 Intercept Conc=20.459729
Sensitivity=52.081340 Correlation Coeff=0.999852

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1065.57	0.00
S1 (S)	500.000	519.236	19.236	28108.07	3.85
S2 (S)	12500.000	12813.739	313.739	668422.27	2.51
S3 (S)	25000.000	25256.972	256.972	1316482.50	1.03
S4 (S)	50000.000	51341.855	1341.855	2675018.16	2.68
S5 (S)	100000.000	99225.516	774.484	5168863.42	0.77

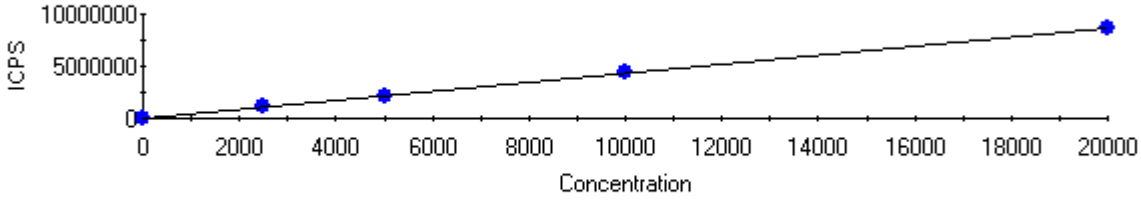
26Mg FQ Block 1



Intercept CPS=1311.351296 Intercept Conc=21.211416
Sensitivity=61.822901 Correlation Coeff=0.999881

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	1311.35	0.00
S1 (S)	500.000	518.107	18.107	33342.20	3.62
S2 (S)	12500.000	12804.995	304.995	792953.26	2.44
S3 (S)	25000.000	25231.906	231.906	1561220.97	0.93
S4 (S)	50000.000	51203.711	1203.711	3166873.30	2.41
S5 (S)	100000.000	99301.953	698.047	6140446.16	0.70

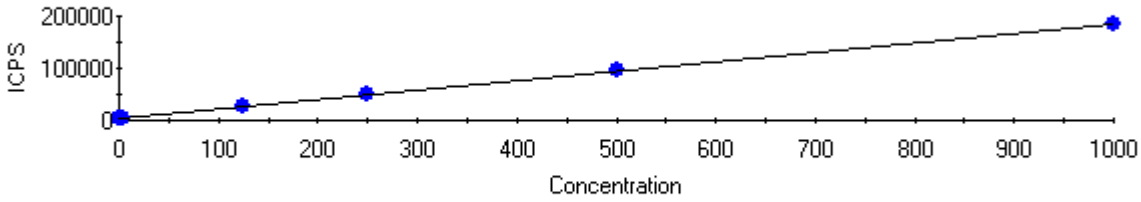
27Al FQ Block 1



Intercept CPS=3164.237612 Intercept Conc=7.265301
Sensitivity=435.527422 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	3164.24	0.00
S1 (S)	20.000	18.335	1.665	11149.43	8.33
S2 (S)	2500.000	2551.480	51.480	1114403.79	2.06
S3 (S)	5000.000	4997.739	2.261	2179816.72	0.05
S4 (S)	10000.000	10074.277	74.277	4390788.25	0.74
S5 (S)	20000.000	19956.993	43.007	8694982.04	0.22

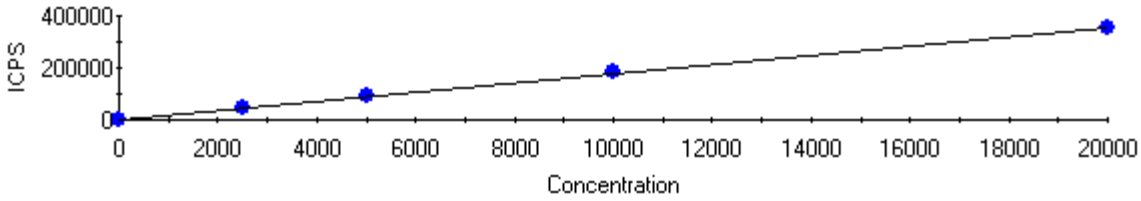
28Si FQ Block 1



Intercept CPS=3000.395825 Intercept Conc=16.388802
Sensitivity=183.075969 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	3000.40	0.00
S1 (S)	5.000	6.332	1.332	4159.64	26.64
S2 (S)	125.000	128.317	3.317	26492.17	2.65
S3 (S)	250.000	253.298	3.298	49373.21	1.32
S4 (S)	500.000	503.743	3.743	95223.56	0.75
S5 (S)	1000.000	996.883	3.117	185505.69	0.31

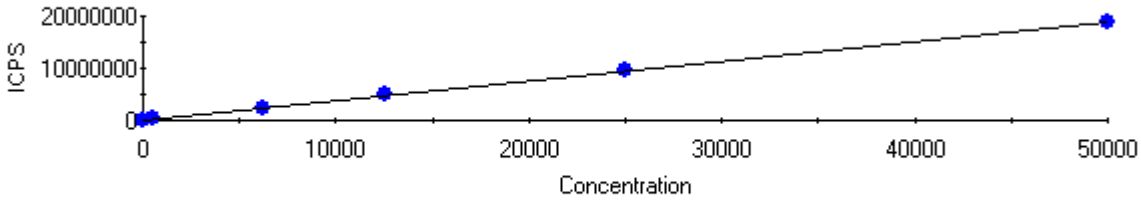
31P FQ Block 1



Intercept CPS=1263.055417 Intercept Conc=70.938418
Sensitivity=17.804956 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1263.06	0.00
S1 (S)	0.000	-2.201	2.201	1223.87	0.00
S2 (S)	2500.000	2528.868	28.868	46289.44	1.15
S3 (S)	5000.000	5075.967	75.967	91640.42	1.52
S4 (S)	10000.000	10083.423	83.423	180797.96	0.83
S5 (S)	20000.000	19935.688	64.312	356217.11	0.32

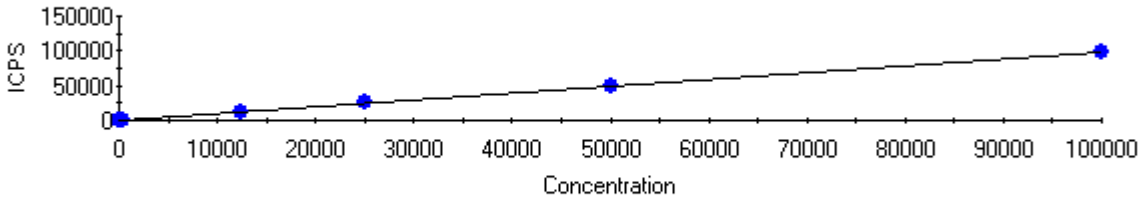
39K FQ Block 1



Intercept CPS=64313.270293 Intercept Conc=172.172974
Sensitivity=373.538708 Correlation Coeff=0.999963

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	64313.27	0.00
S1 (S)	500.000	524.200	24.200	260122.44	4.84
S2 (S)	6250.000	6377.007	127.007	2446372.12	2.03
S3 (S)	12500.000	12772.568	272.568	4835361.78	2.18
S4 (S)	25000.000	25254.049	254.049	9497678.03	1.02
S5 (S)	50000.000	49788.716	211.284	18662325.84	0.42

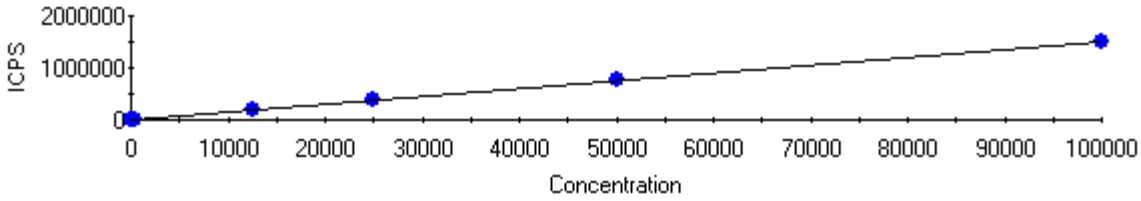
43Ca FQ Block 1



Intercept CPS=29.678069 Intercept Conc=30.101223
Sensitivity=0.985942 Correlation Coeff=0.999805

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	29.68	0.00
S1 (S)	500.000	499.293	0.707	521.95	0.14
S2 (S)	12500.000	11888.191	611.809	11750.75	4.89
S3 (S)	25000.000	26545.963	1545.963	26202.47	6.18
S4 (S)	50000.000	50276.789	276.789	49599.69	0.55
S5 (S)	100000.000	99551.594	448.406	98181.81	0.45

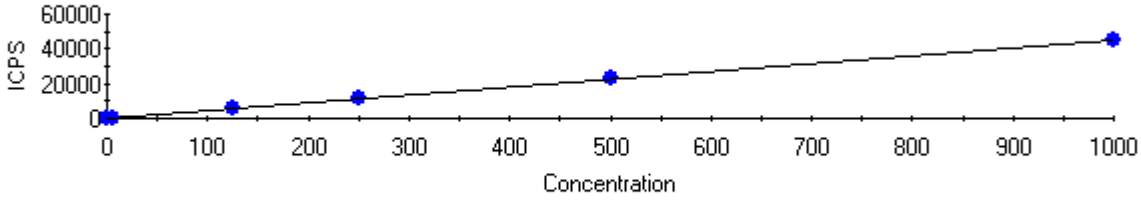
44Ca FQ Block 1



Intercept CPS=796.696438 Intercept Conc=52.475630
Sensitivity=15.182218 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	796.70	0.00
S1 (S)	500.000	508.965	8.965	8523.91	1.79
S2 (S)	12500.000	12678.867	178.867	193290.02	1.43
S3 (S)	25000.000	25152.605	152.605	382669.02	0.61
S4 (S)	50000.000	50101.215	101.215	761444.25	0.20
S5 (S)	100000.000	99888.838	111.162	1517330.78	0.11

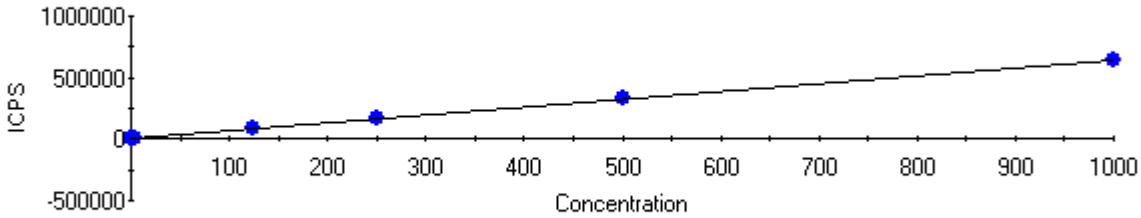
47Ti FQ Block 1



Intercept CPS=9.893021 Intercept Conc=0.218415
Sensitivity=45.294513 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	9.89	0.00
S1 (S)	5.000	5.212	0.212	245.99	4.25
S2 (S)	125.000	127.426	2.426	5781.57	1.94
S3 (S)	250.000	252.716	2.716	11456.55	1.09
S4 (S)	500.000	502.230	2.230	22758.15	0.45
S5 (S)	1000.000	997.902	2.098	45209.37	0.21

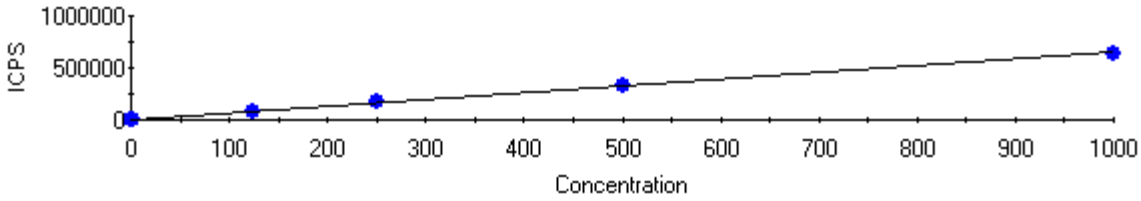
51V FQ Block 1



Intercept CPS=107.828255 Intercept Conc=0.167352
Sensitivity=644.319321 Correlation Coeff=0.999963

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	107.83	0.00
S1 (S)	5.000	4.970	0.030	3309.94	0.60
S2 (S)	125.000	126.878	1.878	81857.73	1.50
S3 (S)	250.000	256.508	6.508	165380.84	2.60
S4 (S)	500.000	503.828	3.828	324733.94	0.77
S5 (S)	1000.000	996.224	3.776	641994.48	0.38

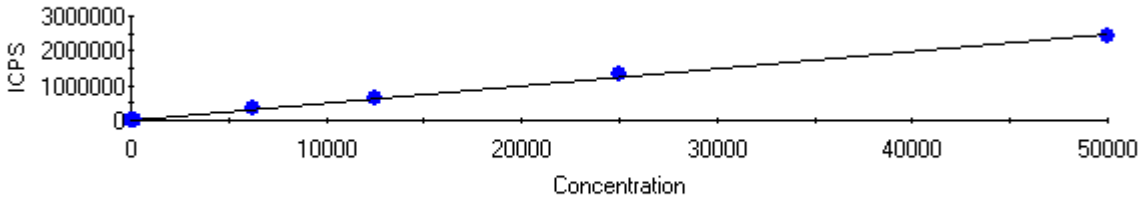
52Cr FQ Block 1



Intercept CPS=386.982260 Intercept Conc=0.598956
Sensitivity=646.094683 Correlation Coeff=0.999947

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	386.98	0.00
S1 (S)	2.000	1.992	0.008	1674.17	0.39
S2 (S)	125.000	127.651	2.651	82861.38	2.12
S3 (S)	250.000	258.105	8.105	167147.33	3.24
S4 (S)	500.000	504.239	4.239	326173.28	0.85
S5 (S)	1000.000	995.523	4.477	643588.96	0.45

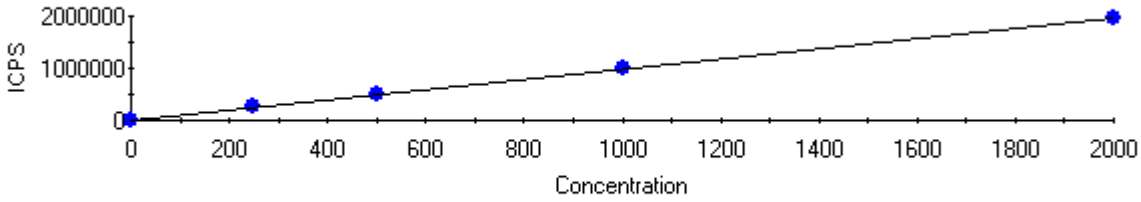
54Fe FQ Block 1



Intercept CPS=3794.221798 Intercept Conc=76.378333
Sensitivity=49.676677 Correlation Coeff=0.999323

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	3794.22	0.00
S1 (S)	200.000	203.445	3.445	13900.71	1.72
S2 (S)	6250.000	6666.363	416.363	334956.99	6.66
S3 (S)	12500.000	13204.529	704.529	659751.33	5.64
S4 (S)	25000.000	26308.880	1308.880	1310731.95	5.24
S5 (S)	50000.000	49117.369	882.631	2443781.91	1.77

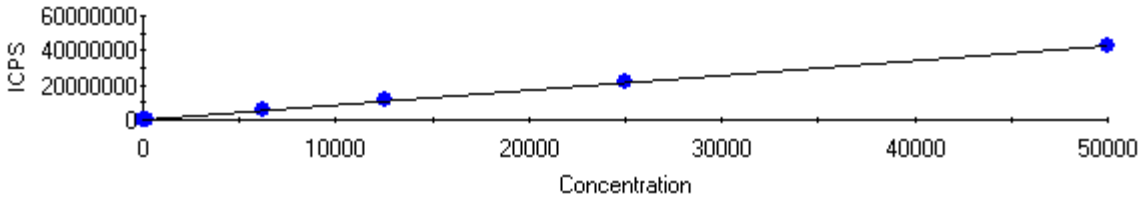
55Mn FQ Block 1



Intercept CPS=401.861172 Intercept Conc=0.409254
Sensitivity=981.934789 Correlation Coeff=0.999871

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	401.86	0.00
S1 (S)	1.000	0.901	0.099	1286.25	9.93
S2 (S)	250.000	256.155	6.155	251929.20	2.46
S3 (S)	500.000	511.651	11.651	502809.87	2.33
S4 (S)	1000.000	1023.384	23.384	1005298.02	2.34
S5 (S)	2000.000	1984.626	15.374	1949175.20	0.77

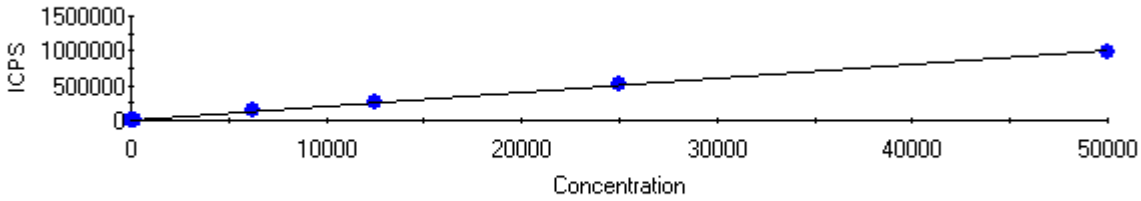
56Fe FQ Block 1



Intercept CPS=44203.159559 Intercept Conc=51.473292
Sensitivity=858.759125 Correlation Coeff=0.999909

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	44203.16	0.00
S1 (S)	200.000	205.126	5.126	220356.57	2.56
S2 (S)	6250.000	6410.403	160.403	5549194.96	2.57
S3 (S)	12500.000	12987.487	487.487	11197326.29	3.90
S4 (S)	25000.000	25332.965	332.965	21799117.60	1.33
S5 (S)	50000.000	49691.575	308.425	42717296.69	0.62

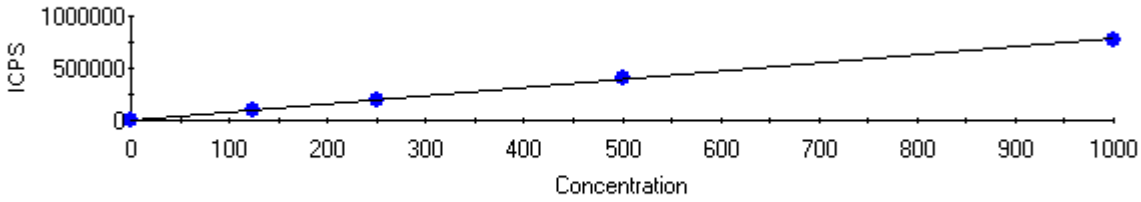
57Fe FQ Block 1



Intercept CPS=528.639778 Intercept Conc=26.569507
Sensitivity=19.896484 Correlation Coeff=0.999848

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	528.64	0.00
S1 (S)	200.000	212.467	12.467	4755.98	6.23
S2 (S)	6250.000	6552.235	302.235	130895.07	4.84
S3 (S)	12500.000	13089.137	589.137	260956.44	4.71
S4 (S)	25000.000	25459.572	459.572	507084.61	1.84
S5 (S)	50000.000	49585.101	414.899	987097.80	0.83

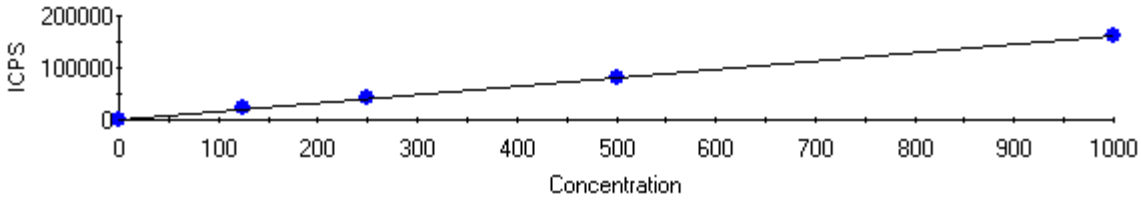
59Co FQ Block 1



Intercept CPS=102.607473 Intercept Conc=0.131636
Sensitivity=779.481009 Correlation Coeff=0.999916

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	102.61	0.00
S1 (S)	1.000	0.933	0.067	829.49	6.75
S2 (S)	125.000	129.967	4.967	101409.47	3.97
S3 (S)	250.000	256.427	6.427	199982.67	2.57
S4 (S)	500.000	508.329	8.329	396335.68	1.67
S5 (S)	1000.000	993.608	6.392	774600.96	0.64

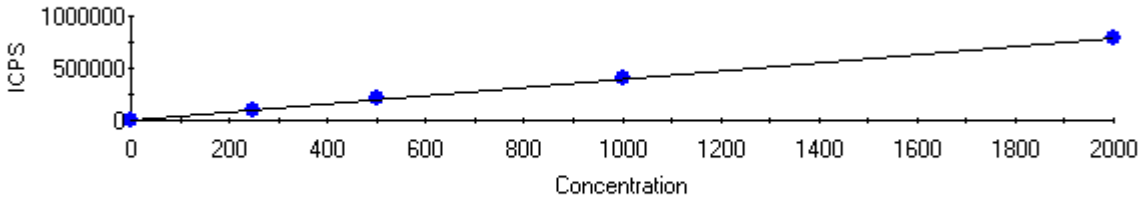
60Ni FQ Block 1



Intercept CPS=27.605696 Intercept Conc=0.171098
Sensitivity=161.344442 Correlation Coeff=0.999859

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	27.61	0.00
S1 (S)	1.000	0.919	0.081	175.88	8.10
S2 (S)	125.000	131.376	6.376	21224.43	5.10
S3 (S)	250.000	257.716	7.716	41608.68	3.09
S4 (S)	500.000	511.046	11.046	82481.97	2.21
S5 (S)	1000.000	991.751	8.249	160041.15	0.82

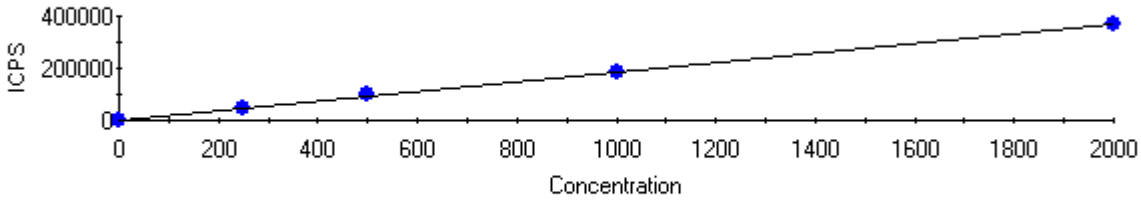
63Cu FQ Block 1



Intercept CPS=125.514987 Intercept Conc=0.318663
Sensitivity=393.879929 Correlation Coeff=0.999941

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	125.51	0.00
S1 (S)	2.000	1.991	0.009	909.65	0.46
S2 (S)	250.000	261.083	11.083	102961.03	4.43
S3 (S)	500.000	518.763	18.763	204455.98	3.75
S4 (S)	1000.000	1001.855	1.855	394736.03	0.19
S5 (S)	2000.000	1992.996	7.004	785126.77	0.35

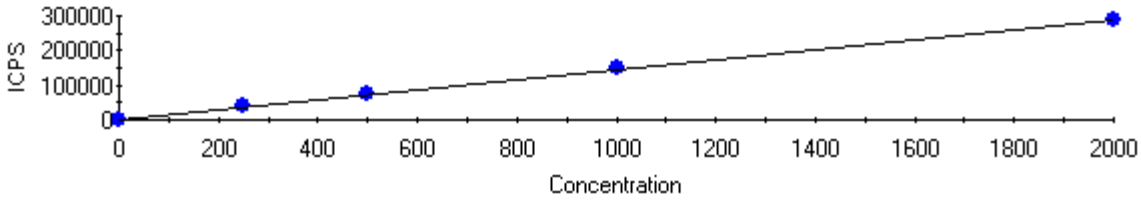
65Cu FQ Block 1



Intercept CPS=61.984301 Intercept Conc=0.333303
Sensitivity=185.970088 Correlation Coeff=0.999926

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	61.98	0.00
S1 (S)	2.000	1.895	0.105	414.42	5.24
S2 (S)	250.000	261.897	11.897	48766.91	4.76
S3 (S)	500.000	517.198	17.198	96245.43	3.44
S4 (S)	1000.000	1010.766	10.766	188034.17	1.08
S5 (S)	2000.000	1988.831	11.169	369924.98	0.56

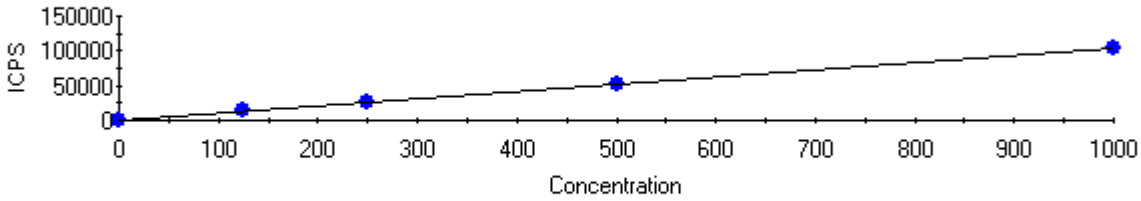
66Zn FQ Block 1



Intercept CPS=197.928869 Intercept Conc=1.363748
Sensitivity=145.135942 Correlation Coeff=0.999725

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	197.93	0.00
S1 (S)	2.000	2.177	0.177	513.88	8.85
S2 (S)	250.000	262.486	12.486	38294.14	4.99
S3 (S)	500.000	522.331	22.331	76007.00	4.47
S4 (S)	1000.000	1031.456	31.456	149899.22	3.15
S5 (S)	2000.000	1977.128	22.872	287150.31	1.14

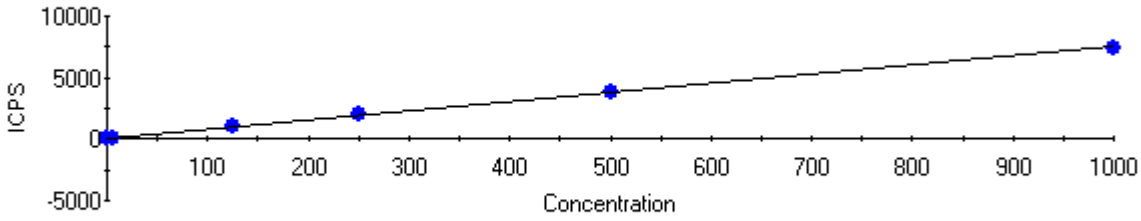
75As FQ Block 1



Intercept CPS=24.285992 Intercept Conc=0.231447
Sensitivity=104.931244 Correlation Coeff=0.999954

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	24.29	0.00
S1 (S)	1.000	1.138	0.138	143.65	13.76
S2 (S)	125.000	126.427	1.427	13290.47	1.14
S3 (S)	250.000	256.294	6.294	26917.55	2.52
S4 (S)	500.000	505.372	5.372	53053.65	1.07
S5 (S)	1000.000	995.562	4.438	104489.81	0.44

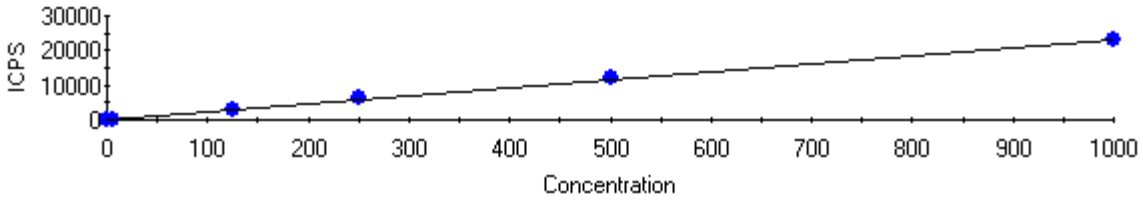
77Se FQ Block 1



Intercept CPS=1.063887 Intercept Conc=0.141785
Sensitivity=7.503509 Correlation Coeff=0.999844

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1.06	0.00
S1 (S)	5.000	5.797	0.797	44.56	15.94
S2 (S)	125.000	129.747	4.747	974.62	3.80
S3 (S)	250.000	257.006	7.006	1929.51	2.80
S4 (S)	500.000	512.690	12.690	3848.03	2.54
S5 (S)	1000.000	991.306	8.694	7439.34	0.87

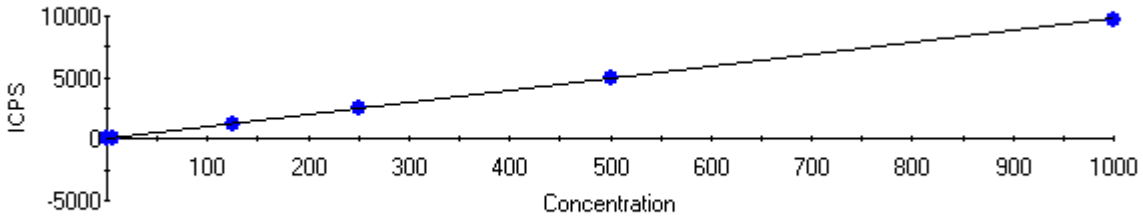
78Se FQ Block 1



Intercept CPS=160.073206 Intercept Conc=6.964678
Sensitivity=22.983576 Correlation Coeff=0.999871

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	160.07	0.00
S1 (S)	5.000	4.874	0.126	272.08	2.53
S2 (S)	125.000	129.568	4.568	3138.01	3.65
S3 (S)	250.000	257.299	7.299	6073.72	2.92
S4 (S)	500.000	510.858	10.858	11901.41	2.17
S5 (S)	1000.000	992.176	7.824	22963.83	0.78

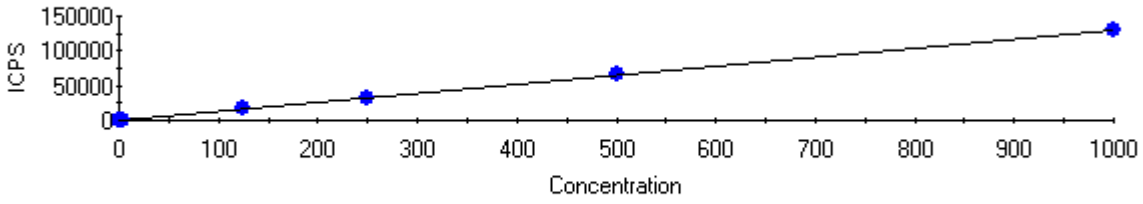
82Se FQ Block 1



Intercept CPS=1.382006 Intercept Conc=0.141530
Sensitivity=9.764735 Correlation Coeff=0.999856

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	1.38	0.00
S1 (S)	5.000	5.779	0.779	57.81	15.57
S2 (S)	125.000	129.548	4.548	1266.39	3.64
S3 (S)	250.000	256.583	6.583	2506.85	2.63
S4 (S)	500.000	512.273	12.273	5003.59	2.45
S5 (S)	1000.000	991.645	8.355	9684.53	0.84

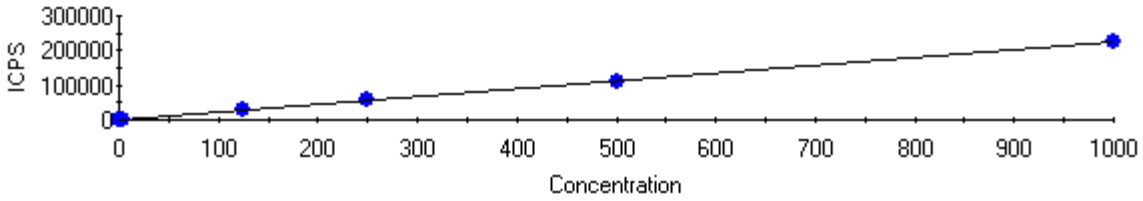
94Mo FQ Block 1



Intercept CPS=42.702890 Intercept Conc=0.329329
Sensitivity=129.666380 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	42.70	0.00
S1 (S)	5.000	4.717	0.283	654.34	5.66
S2 (S)	125.000	123.841	1.159	16100.65	0.93
S3 (S)	250.000	247.999	2.001	32199.87	0.80
S4 (S)	500.000	502.691	2.691	65224.86	0.54
S5 (S)	1000.000	999.301	0.699	129618.43	0.07

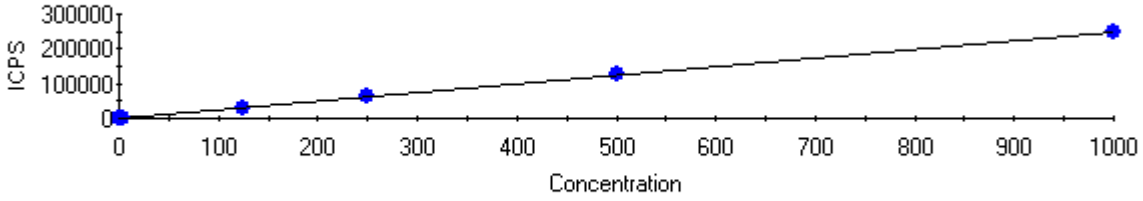
95Mo FQ Block 1



Intercept CPS=42.752979 Intercept Conc=0.190415
Sensitivity=224.525407 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	42.75	0.00
S1 (S)	5.000	4.700	0.300	1097.97	6.00
S2 (S)	125.000	122.238	2.762	27488.32	2.21
S3 (S)	250.000	247.530	2.470	55619.48	0.99
S4 (S)	500.000	500.678	0.678	112457.60	0.14
S5 (S)	1000.000	1000.625	0.625	224708.59	0.06

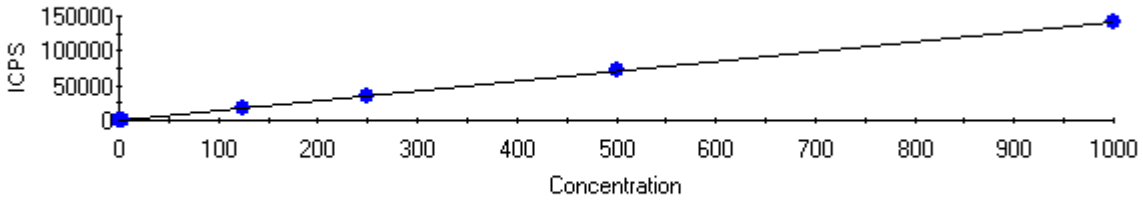
96Mo FQ Block 1



Intercept CPS=49.011104 Intercept Conc=0.197969
Sensitivity=247.569337 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	49.01	0.00
S1 (S)	5.000	4.741	0.259	1222.79	5.18
S2 (S)	125.000	125.501	0.501	31119.22	0.40
S3 (S)	250.000	246.195	3.805	60999.31	1.52
S4 (S)	500.000	504.116	4.116	124852.76	0.82
S5 (S)	1000.000	998.832	1.168	247329.13	0.12

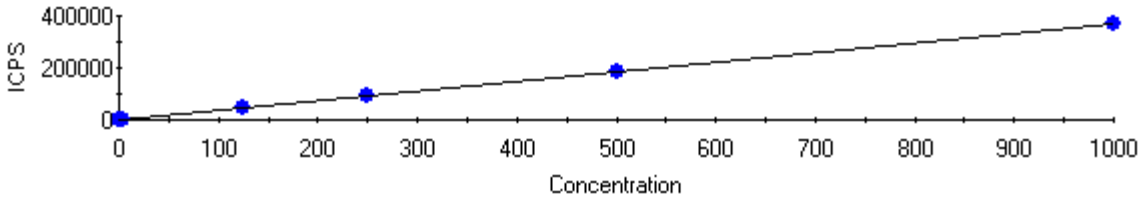
97Mo FQ Block 1



Intercept CPS=30.251270 Intercept Conc=0.213158
Sensitivity=141.919383 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	30.25	0.00
S1 (S)	5.000	5.015	0.015	741.91	0.29
S2 (S)	125.000	122.316	2.684	17389.26	2.15
S3 (S)	250.000	247.830	2.170	35202.09	0.87
S4 (S)	500.000	499.581	0.419	70930.47	0.08
S5 (S)	1000.000	1001.088	1.088	142103.97	0.11

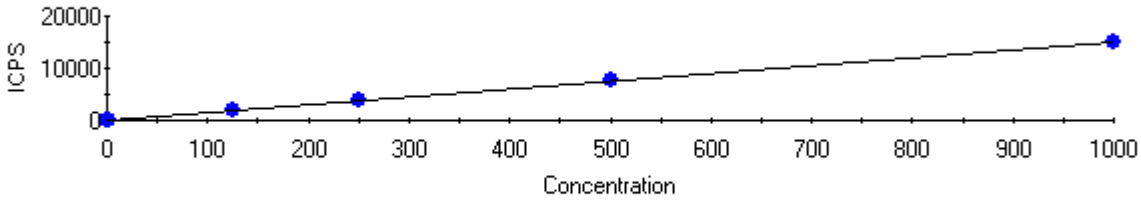
98Mo FQ Block 1



Intercept CPS=80.273757 Intercept Conc=0.218198
Sensitivity=367.894354 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	80.27	0.00
S1 (S)	5.000	4.641	0.359	1787.57	7.19
S2 (S)	125.000	122.911	2.089	45298.71	1.67
S3 (S)	250.000	248.416	1.584	91471.15	0.63
S4 (S)	500.000	494.097	5.903	181855.61	1.18
S5 (S)	1000.000	1003.611	3.611	369302.93	0.36

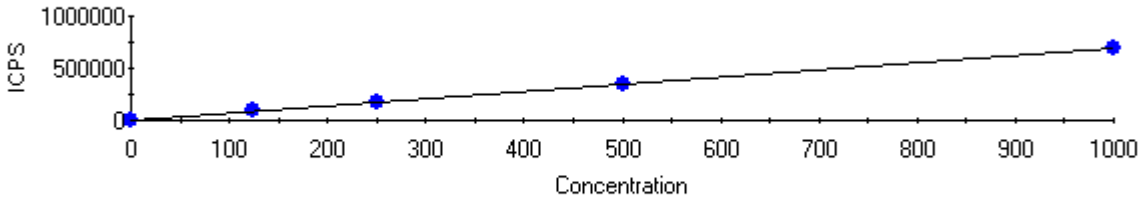
106Cd FQ Block 1



Intercept CPS=112.473486 Intercept Conc=7.562552
Sensitivity=14.872424 Correlation Coeff=0.999924

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	112.47	0.00
S1 (S)	1.000	0.460	0.540	119.32	53.99
S2 (S)	125.000	126.230	1.230	1989.82	0.98
S3 (S)	250.000	256.811	6.811	3931.87	2.72
S4 (S)	500.000	507.658	7.658	7662.59	1.53
S5 (S)	1000.000	994.315	5.685	14900.35	0.57

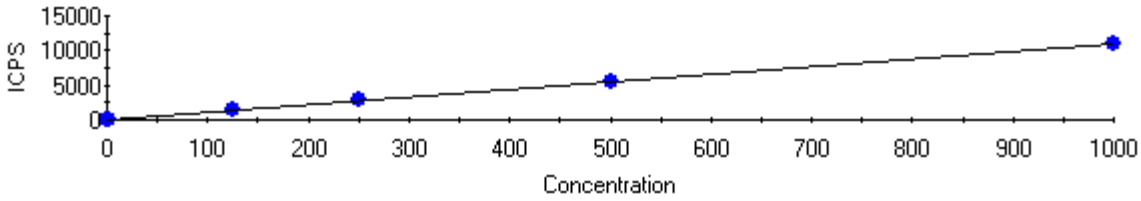
107Ag FQ Block 1



Intercept CPS=64.571164 Intercept Conc=0.093365
Sensitivity=691.597703 Correlation Coeff=0.999959

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	64.57	0.00
S1 (S)	1.000	0.957	0.043	726.33	4.31
S2 (S)	125.000	128.293	3.293	88791.54	2.63
S3 (S)	250.000	256.240	6.240	177279.77	2.50
S4 (S)	500.000	504.650	4.650	349079.33	0.93
S5 (S)	1000.000	995.703	4.297	688690.75	0.43

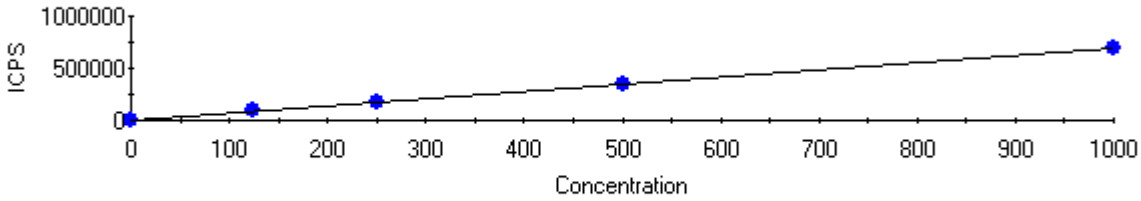
108Cd FQ Block 1



Intercept CPS=82.107242 Intercept Conc=7.564490
Sensitivity=10.854300 Correlation Coeff=0.999923

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	82.11	0.00
S1 (S)	1.000	0.466	0.534	87.17	53.36
S2 (S)	125.000	126.306	1.306	1453.07	1.05
S3 (S)	250.000	257.009	7.009	2871.76	2.80
S4 (S)	500.000	507.613	7.613	5591.89	1.52
S5 (S)	1000.000	994.279	5.721	10874.31	0.57

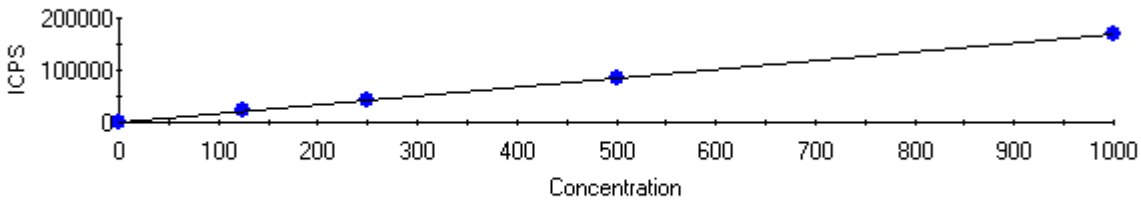
109Ag FQ Block 1



Intercept CPS=76.063935 Intercept Conc=0.110132
Sensitivity=690.660131 Correlation Coeff=0.999902

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	76.06	0.00
S1 (S)	1.000	0.973	0.027	748.26	2.67
S2 (S)	125.000	129.164	4.164	89284.74	3.33
S3 (S)	250.000	257.175	7.175	177696.35	2.87
S4 (S)	500.000	509.104	9.104	351693.91	1.82
S5 (S)	1000.000	993.134	6.866	685993.99	0.69

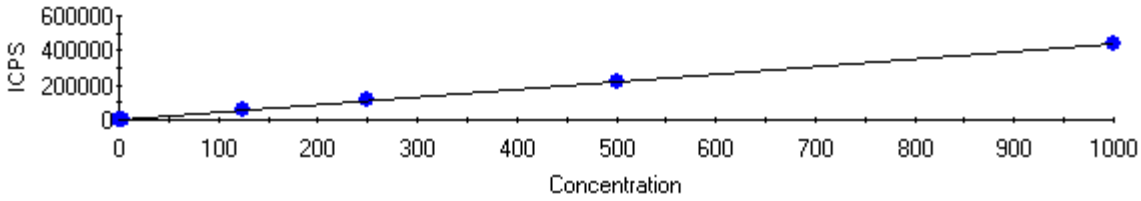
111Cd FQ Block 1



Intercept CPS=97.526669 Intercept Conc=0.577441
Sensitivity=168.894598 Correlation Coeff=0.999912

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	97.53	0.00
S1 (S)	1.000	0.895	0.105	248.63	10.53
S2 (S)	125.000	128.430	3.430	21788.65	2.74
S3 (S)	250.000	255.709	5.709	43285.32	2.28
S4 (S)	500.000	509.164	9.164	86092.55	1.83
S5 (S)	1000.000	993.562	6.438	167904.83	0.64

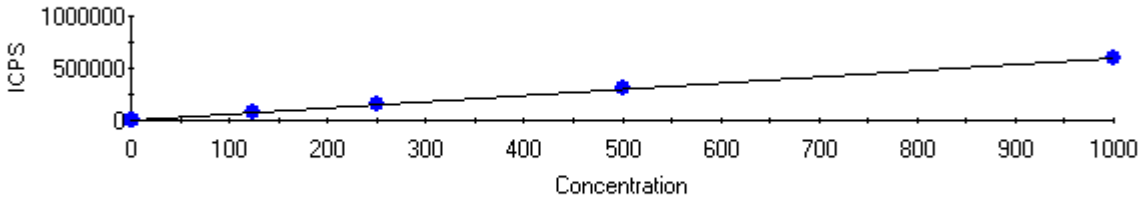
118Sn FQ Block 1



Intercept CPS=135.440723 Intercept Conc=0.306574
Sensitivity=441.787698 Correlation Coeff=0.999989

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	135.44	0.00
S1 (S)	5.000	4.807	0.193	2258.90	3.87
S2 (S)	125.000	126.748	1.748	56131.17	1.40
S3 (S)	250.000	249.879	0.121	110529.09	0.05
S4 (S)	500.000	503.538	3.538	222592.25	0.71
S5 (S)	1000.000	998.044	1.956	441058.87	0.20

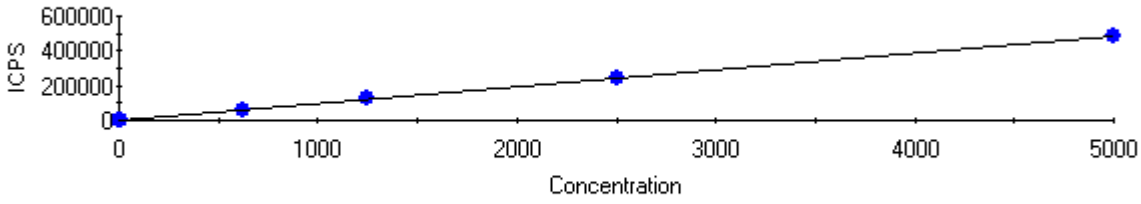
121Sb FQ Block 1



Intercept CPS=78.684043 Intercept Conc=0.130241
Sensitivity=604.144128 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	78.68	0.00
S1 (S)	2.000	1.920	0.080	1238.35	4.02
S2 (S)	125.000	125.027	0.027	75612.94	0.02
S3 (S)	250.000	251.702	1.702	152143.19	0.68
S4 (S)	500.000	502.310	2.310	303546.41	0.46
S5 (S)	1000.000	998.416	1.584	603265.93	0.16

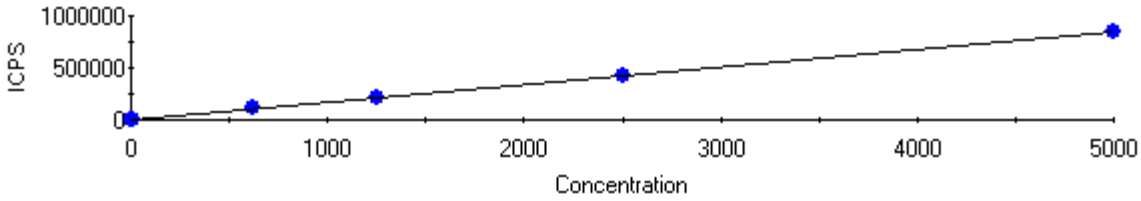
135Ba FQ Block 1



Intercept CPS=56.271361 Intercept Conc=0.574656
Sensitivity=97.921881 Correlation Coeff=0.999975

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	56.27	0.00
S1 (S)	10.000	9.803	0.197	1016.16	1.97
S2 (S)	625.000	622.212	2.788	60984.48	0.45
S3 (S)	1250.000	1256.271	6.271	123072.71	0.50
S4 (S)	2500.000	2526.803	26.803	247485.60	1.07
S5 (S)	5000.000	4985.379	14.621	488234.00	0.29

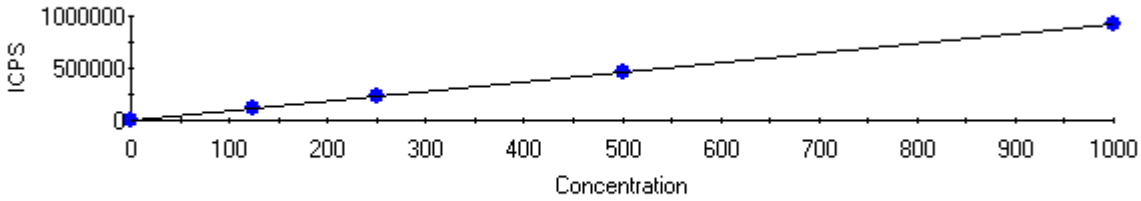
137Ba FQ Block 1



Intercept CPS=96.400750 Intercept Conc=0.569272
Sensitivity=169.340357 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	96.40	0.00
S1 (S)	10.000	9.565	0.435	1716.07	4.35
S2 (S)	625.000	624.402	0.598	105832.91	0.10
S3 (S)	1250.000	1257.420	7.420	213028.28	0.59
S4 (S)	2500.000	2508.543	8.543	424894.02	0.34
S5 (S)	5000.000	4993.949	6.051	845773.51	0.12

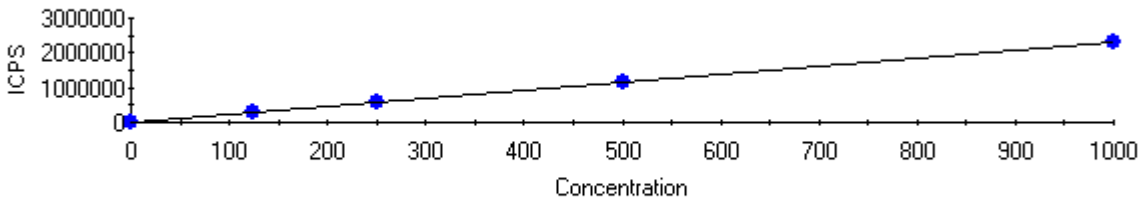
203Tl FQ Block 1



Intercept CPS=118.660119 Intercept Conc=0.128809
Sensitivity=921.212137 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	118.66	0.00
S1 (S)	1.000	0.932	0.068	977.51	6.77
S2 (S)	125.000	123.938	1.062	114291.51	0.85
S3 (S)	250.000	248.563	1.437	229098.25	0.57
S4 (S)	500.000	499.084	0.916	459880.55	0.18
S5 (S)	1000.000	1000.950	0.950	922206.14	0.10

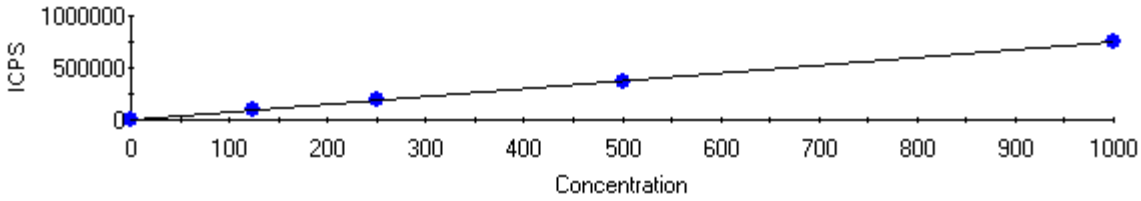
205Tl FQ Block 1



Intercept CPS=300.821165 Intercept Conc=0.129540
Sensitivity=2322.223723 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	300.82	0.00
S1 (S)	1.000	0.932	0.068	2465.85	6.77
S2 (S)	125.000	123.024	1.976	285989.00	1.58
S3 (S)	250.000	249.525	0.475	579752.92	0.19
S4 (S)	500.000	498.002	1.998	1156772.02	0.40
S5 (S)	1000.000	1001.365	1.365	2325694.71	0.14

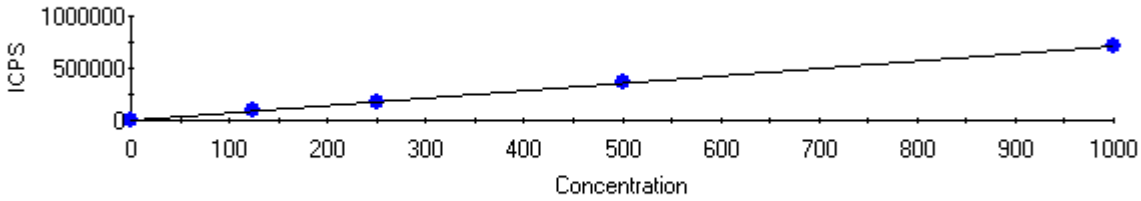
206Pb FQ Block 1



Intercept CPS=110.854071 Intercept Conc=0.148640
Sensitivity=745.789406 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	110.85	0.00
S1 (S)	1.000	0.892	0.108	776.30	10.77
S2 (S)	125.000	124.047	0.953	92623.75	0.76
S3 (S)	250.000	249.907	0.093	186489.08	0.04
S4 (S)	500.000	502.115	2.115	374582.55	0.42
S5 (S)	1000.000	999.085	0.915	745217.98	0.09

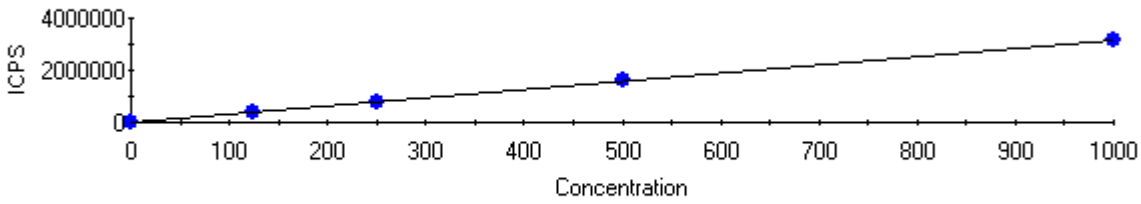
207Pb FQ Block 1



Intercept CPS=102.092134 Intercept Conc=0.142691
Sensitivity=715.478913 Correlation Coeff=0.999971

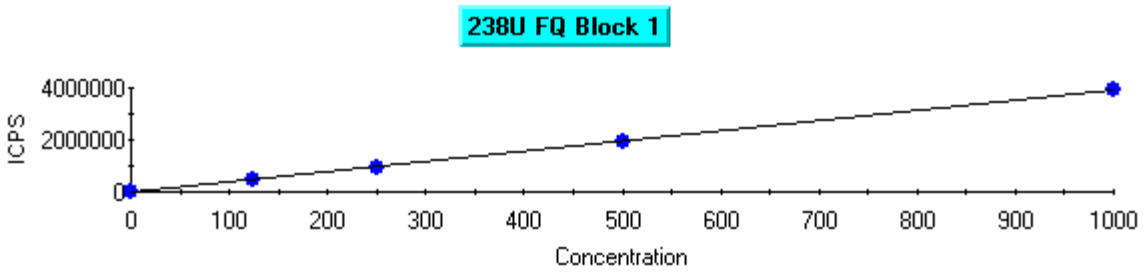
Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	102.09	0.00
S1 (S)	1.000	0.892	0.108	740.31	10.80
S2 (S)	125.000	125.147	0.147	89642.12	0.12
S3 (S)	250.000	246.271	3.729	176303.88	1.49
S4 (S)	500.000	505.117	5.117	361502.67	1.02
S5 (S)	1000.000	998.355	1.645	714404.36	0.16

208Pb FQ Block 1



Intercept CPS=455.481055 Intercept Conc=0.144322
Sensitivity=3156.012701 Correlation Coeff=0.999984

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	455.48	0.00
S1 (S)	1.000	0.916	0.084	3344.90	8.45
S2 (S)	125.000	124.310	0.690	392777.99	0.55
S3 (S)	250.000	248.048	1.952	783298.03	0.78
S4 (S)	500.000	504.181	4.181	1591656.52	0.84
S5 (S)	1000.000	998.484	1.516	3151683.65	0.15



Intercept CPS=407.435023 Intercept Conc=0.104037
Sensitivity=3916.263018 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	407.44	0.00
S1 (S)	0.000	-0.065	0.065	152.96	0.00
S2 (S)	125.000	121.007	3.993	474304.42	3.19
S3 (S)	250.000	242.766	7.234	951144.42	2.89
S4 (S)	500.000	498.281	1.719	1951807.41	0.34
S5 (S)	1000.000	1003.167	3.167	3929072.90	0.32

Dilution Corrected Concentrations

S0 (S0) 06/05/2011 03:15:16 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	15:16:25	100%	0.067	0.618	0.000	6.196	3.909	2.362	3.210	1.609
2	15:17:33	100%	0.003	0.254	0.000	0.473	0.113	0.445	-0.008	-0.387
3	15:18:41	100%	-0.070	-0.872	0.000	-6.669	-4.022	-2.807	-3.203	-1.222
x		100%	0.000	0.000	0.000	-0.000	-0.000	0.000	-0.000	-0.000
σ		0%	0.069	0.777	0.000	6.446	3.967	2.613	3.206	1.455
%RSD		0	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	15:16:25	-0.450	1.138	0.000	0.000	2.997	7.830	8.900	100%	0.022
2	15:17:33	-0.009	1.272	0.000	0.000	-0.120	-6.313	-2.526	100%	0.058
3	15:18:41	0.458	-2.409	0.000	0.000	-2.877	-1.517	-6.374	100%	-0.080
x		0.000	0.000	0.000	0.000	0.000	0.000	-0.000	100%	-0.000
σ		0.454	2.088	0.000	0.000	2.939	7.193	7.944	0%	0.072
%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	15:16:25	-0.363	-0.007	0.632	2.128	0.038	1.553	2.556	0.027	0.052
2	15:17:33	0.314	0.027	-0.589	-0.466	-0.011	-0.436	-0.122	-0.015	-0.026
3	15:18:41	0.049	-0.020	-0.043	-1.662	-0.028	-1.117	-2.435	-0.011	-0.026
x		0.000	0.000	-0.000	-0.000	-0.000	0.000	0.000	-0.000	0.000
σ		0.341	0.025	0.611	1.937	0.034	1.387	2.498	0.023	0.045
%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	15:16:25	0.047	0.113	0.060	0.108	0.072	-0.002	-0.048	0.072	-0.376
2	15:17:33	0.046	0.027	-0.042	0.039	0.071	-0.008	-0.119	0.070	-1.014
3	15:18:41	-0.092	-0.140	-0.018	-0.147	-0.143	0.010	0.167	-0.143	1.390
x		0.000	0.000	0.000	-0.000	0.000	-0.000	0.000	-0.000	0.000
σ		0.080	0.129	0.053	0.132	0.124	0.009	0.149	0.124	1.245
%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	15:16:25	0.011	0.055	0.056	0.086	0.052	-0.004	99%	-0.464	-0.005
2	15:17:33	0.102	-0.017	-0.022	0.006	0.014	0.009	101%	0.177	0.015
3	15:18:41	-0.113	-0.038	-0.034	-0.092	-0.066	-0.004	100%	0.288	-0.010
x		-0.000	-0.000	-0.000	-0.000	0.000	0.000	100%	0.000	0.000
σ		0.108	0.049	0.049	0.090	0.060	0.008	1%	0.406	0.013
%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	15:16:25	0.238	-0.468	0.008	0.020	0.010	0.020	0.112	0.178	101%
2	15:17:33	-0.093	0.183	-0.013	0.038	0.001	-0.006	-0.028	-0.048	98%
3	15:18:41	-0.145	0.286	0.005	-0.058	-0.011	-0.015	-0.084	-0.130	101%
x		-0.000	0.000	0.000	0.000	-0.000	0.000	-0.000	0.000	100%
σ		0.208	0.409	0.012	0.051	0.011	0.018	0.101	0.160	1%
%RSD		0.000	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	15:16:25	100%	0.025	0.019	0.014	-0.006	0.011	100%	0.021
2	15:17:33	100%	0.008	0.011	0.021	0.003	0.011	100%	0.003
3	15:18:41	101%	-0.033	-0.030	-0.035	0.002	-0.022	99%	-0.024
x		100%	0.000	0.000	0.000	0.000	0.000	100%	-0.000
σ		0%	0.030	0.026	0.030	0.005	0.019	1%	0.023
%RSD		0	0.000	0.000	0.000	0.000	0.000	1	0.000

S1 (S) 06/05/2011 03:23:09 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	15:24:17	102%	1.037	4.413	0.000	487.700	519.300	509.800	513.000	18.000
2	15:25:25	102%	1.005	4.341	0.000	496.700	527.800	521.400	518.300	18.600
3	15:26:34	100%	1.040	3.480	0.000	496.800	524.800	526.500	523.000	18.400
x		101%	1.027	4.078	0.000	493.700	524.000	519.200	518.100	18.330
σ		1%	0.019	0.519	0.000	5.217	4.302	8.586	5.015	0.305
%RSD		1	1.866	12.730	0.000	1.057	0.821	1.654	0.968	1.665
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:17	5.685	-4.219	0.000	0.000	519.000	444.500	512.100	100%	5.037
2	15:25:25	7.229	-3.173	0.000	0.000	529.100	498.700	497.200	100%	5.176
3	15:26:34	6.082	0.789	0.000	0.000	524.500	554.700	517.600	101%	5.425
x		6.332	-2.201	0.000	0.000	524.200	499.300	509.000	100%	5.212
σ		0.802	2.642	0.000	0.000	5.075	55.100	10.550	1%	0.197
%RSD		12.660	120.000	0.000	0.000	0.968	11.040	2.072	1	3.774
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:17	4.630	1.968	0.599	207.300	0.921	202.900	212.500	0.951	0.971
2	15:25:25	4.978	2.027	0.285	201.800	0.903	206.900	213.000	0.877	0.969
3	15:26:34	5.301	1.982	-0.384	201.200	0.878	205.500	211.900	0.970	0.816
x		4.970	1.992	0.166	203.400	0.901	205.100	212.500	0.933	0.919
σ		0.336	0.031	0.502	3.374	0.021	2.021	0.561	0.049	0.089
%RSD		6.753	1.538	301.800	1.658	2.351	0.985	0.264	5.270	9.672
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:17	1.953	1.756	2.206	1.344	5.610	-0.063	4.303	5.593	-0.421
2	15:25:25	1.979	1.910	2.185	1.149	6.379	-0.017	5.440	6.355	-0.151
3	15:26:34	2.041	2.019	2.140	0.919	5.402	-0.013	4.878	5.388	-1.053
x		1.991	1.895	2.177	1.138	5.797	-0.031	4.874	5.779	-0.542
σ		0.045	0.132	0.034	0.213	0.515	0.028	0.569	0.509	0.463
%RSD		2.271	6.965	1.539	18.690	8.875	90.580	11.670	8.814	85.400
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:17	4.567	4.690	4.710	4.925	4.546	-0.000	101%	-0.574	1.053
2	15:25:25	4.674	4.804	4.666	5.069	4.634	-0.004	102%	0.501	0.921
3	15:26:34	4.910	4.605	4.848	5.050	4.742	-0.004	102%	1.454	0.897
x		4.717	4.700	4.741	5.015	4.641	-0.003	101%	0.460	0.957
σ		0.176	0.100	0.095	0.078	0.098	0.003	0%	1.015	0.084
%RSD		3.728	2.122	2.002	1.564	2.115	86.320	0	220.500	8.809
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:17	0.652	-0.570	0.908	0.790	4.856	1.937	10.310	9.541	99%
2	15:25:25	0.605	0.506	0.995	0.850	4.602	1.854	9.423	9.562	100%
3	15:26:34	-0.022	1.463	1.016	1.044	4.962	1.967	9.679	9.591	99%
x		0.412	0.466	0.973	0.895	4.807	1.920	9.803	9.565	99%
σ		0.376	1.017	0.057	0.133	0.185	0.059	0.454	0.025	1%
%RSD		91.410	218.100	5.877	14.860	3.851	3.059	4.631	0.259	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	15:24:17	99%	0.943	0.966	0.975	0.838	0.916	97%	-0.063	
2	15:25:25	100%	0.933	0.942	0.865	0.950	0.927	99%	-0.059	
3	15:26:34	100%	0.920	0.889	0.837	0.889	0.903	101%	-0.073	
x		99%	0.932	0.932	0.892	0.892	0.916	99%	-0.065	
σ		0%	0.011	0.039	0.073	0.056	0.012	2%	0.007	
%RSD		0	1.230	4.218	8.142	6.293	1.315	2	11.460	

S2 (S) 06/05/2011 03:31:02 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	15:32:10	102%	126.200	127.600	0.000	12550.000	12750.000	12780.000	12810.000	2525.000
2	15:33:18	104%	125.000	131.400	0.000	12520.000	12700.000	12690.000	12710.000	2548.000
3	15:34:26	101%	128.400	131.900	0.000	12580.000	12850.000	12970.000	12890.000	2581.000
x		102%	126.500	130.300	0.000	12550.000	12770.000	12810.000	12800.000	2551.000
σ		1%	1.744	2.322	0.000	30.790	76.960	142.400	88.410	27.720
%RSD		1	1.379	1.782	0.000	0.245	0.603	1.111	0.691	1.086
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:10	126.800	2495.000	0.000	0.000	6250.000	11740.000	12620.000	101%	128.700
2	15:33:18	126.800	2514.000	0.000	0.000	6387.000	11920.000	12780.000	101%	128.800
3	15:34:26	131.400	2578.000	0.000	0.000	6494.000	12010.000	12640.000	100%	124.800
x		128.300	2529.000	0.000	0.000	6377.000	11890.000	12680.000	101%	127.400
σ		2.673	43.200	0.000	0.000	122.500	139.800	90.620	0%	2.285
%RSD		2.083	1.708	0.000	0.000	1.921	1.176	0.715	0	1.793
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:10	125.400	126.600	0.326	6579.000	251.700	6406.000	6568.000	129.300	129.800
2	15:33:18	128.300	129.500	-0.887	6752.000	259.300	6360.000	6571.000	129.200	131.800
3	15:34:26	127.000	126.900	0.075	6668.000	257.500	6465.000	6517.000	131.300	132.600
x		126.900	127.700	-0.162	6666.000	256.200	6410.000	6552.000	130.000	131.400
σ		1.455	1.599	0.640	86.260	3.965	53.020	30.380	1.196	1.450
%RSD		1.147	1.253	395.400	1.294	1.548	0.827	0.464	0.920	1.104
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:10	259.200	260.500	264.400	125.300	129.100	0.033	130.000	129.000	-0.701
2	15:33:18	260.800	257.800	256.100	125.900	128.300	-0.192	129.700	128.000	-0.145
3	15:34:26	263.300	267.400	267.000	128.100	131.800	-0.219	129.000	131.600	-0.405
x		261.100	261.900	262.500	126.400	129.700	-0.126	129.600	129.500	-0.417
σ		2.089	4.925	5.706	1.455	1.836	0.138	0.505	1.851	0.278
%RSD		0.800	1.881	2.174	1.151	1.415	110.000	0.390	1.429	66.670
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:10	121.400	122.500	121.700	122.800	121.900	-0.004	100%	127.100	129.600
2	15:33:18	124.400	119.800	127.500	119.000	121.900	-0.004	101%	128.600	127.500
3	15:34:26	125.700	124.300	127.300	125.100	125.000	-0.004	100%	122.900	127.800
x		123.800	122.200	125.500	122.300	122.900	-0.004	100%	126.200	128.300
σ		2.231	2.260	3.271	3.039	1.769	0.000	1%	2.961	1.133
%RSD		1.801	1.849	2.606	2.484	1.439	0.000	1	2.346	0.883
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:32:10	3.490	127.200	130.200	127.600	126.400	124.000	630.800	625.300	99%
2	15:33:18	-2.601	128.800	128.900	129.400	126.900	126.200	621.000	618.900	99%
3	15:34:26	0.260	123.000	128.400	128.300	127.000	124.900	614.800	629.100	100%
x		0.383	126.300	129.200	128.400	126.700	125.000	622.200	624.400	99%
σ		3.047	2.996	0.898	0.944	0.324	1.116	8.053	5.140	1%
%RSD		795.300	2.372	0.695	0.735	0.255	0.893	1.294	0.823	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	15:32:10	97%	123.200	121.600	122.800	122.400	122.000	98%	119.200	
2	15:33:18	100%	123.400	122.000	123.200	125.000	124.200	98%	121.000	
3	15:34:26	98%	125.100	125.500	126.100	128.000	126.700	97%	122.800	
x		98%	123.900	123.000	124.000	125.100	124.300	98%	121.000	
σ		2%	1.030	2.128	1.814	2.837	2.346	1%	1.783	
%RSD		2	0.831	1.730	1.463	2.267	1.887	1	1.473	

S3 (S) 06/05/2011 03:38:54 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	15:40:03	103%	251.000	247.300	0.000	24900.000	25520.000	25000.000	25070.000	4935.000
2	15:41:11	101%	255.900	256.700	0.000	24760.000	25140.000	25190.000	25160.000	5003.000
3	15:42:19	101%	254.600	254.900	0.000	25200.000	25690.000	25580.000	25470.000	5055.000
x		101%	253.800	252.900	0.000	24950.000	25450.000	25260.000	25230.000	4998.000
σ		1%	2.534	4.994	0.000	226.900	280.600	294.800	207.200	60.290
%RSD		1	0.998	1.975	0.000	0.909	1.103	1.167	0.821	1.206

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:03	251.600	5016.000	0.000	0.000	12660.000	27060.000	24840.000	101%	255.300
2	15:41:11	253.700	5093.000	0.000	0.000	12660.000	26430.000	25020.000	101%	246.200
3	15:42:19	254.600	5118.000	0.000	0.000	13000.000	26150.000	25600.000	99%	256.700
x		253.300	5076.000	0.000	0.000	12770.000	26550.000	25150.000	100%	252.700
σ		1.547	53.220	0.000	0.000	195.800	466.100	393.500	1%	5.708
%RSD		0.611	1.048	0.000	0.000	1.533	1.756	1.564	1	2.259

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:03	257.200	258.600	-0.772	13090.000	510.200	12930.000	12910.000	253.500	253.500
2	15:41:11	252.200	252.800	1.975	13160.000	506.800	12870.000	12950.000	252.700	257.100
3	15:42:19	260.100	262.900	-2.547	13370.000	517.900	13160.000	13400.000	263.200	262.500
x		256.500	258.100	-0.448	13200.000	511.700	12990.000	13090.000	256.400	257.700
σ		4.014	5.116	2.278	144.400	5.720	153.000	271.200	5.845	4.542
%RSD		1.565	1.982	508.200	1.093	1.118	1.178	2.072	2.279	1.762

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:03	513.100	507.600	519.900	252.600	251.600	-0.029	256.900	251.300	3.191
2	15:41:11	522.200	518.600	517.500	256.400	258.100	-0.872	257.200	258.000	-0.075
3	15:42:19	521.000	525.300	529.600	259.900	261.300	-0.947	257.700	260.500	1.419
x		518.800	517.200	522.300	256.300	257.000	-0.616	257.300	256.600	1.512
σ		4.950	8.934	6.403	3.642	4.954	0.510	0.420	4.794	1.635
%RSD		0.954	1.727	1.226	1.421	1.928	82.750	0.163	1.868	108.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:03	246.400	248.200	243.800	243.700	244.200	-0.004	100%	258.300	256.800
2	15:41:11	249.700	250.300	248.800	251.000	253.300	0.000	99%	253.000	255.400
3	15:42:19	247.800	244.100	246.000	248.800	247.800	-0.004	100%	259.200	256.600
x		248.000	247.500	246.200	247.800	248.400	-0.003	100%	256.800	256.200
σ		1.656	3.127	2.525	3.732	4.579	0.003	1%	3.351	0.738
%RSD		0.668	1.263	1.026	1.506	1.843	88.620	1	1.305	0.288

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:03	6.582	258.500	255.100	256.200	246.600	247.800	1243.000	1240.000	99%
2	15:41:11	5.742	253.100	259.700	255.000	248.400	252.800	1268.000	1265.000	98%
3	15:42:19	-1.488	259.500	256.700	255.900	254.700	254.400	1258.000	1267.000	98%
x		3.612	257.000	257.200	255.700	249.900	251.700	1256.000	1257.000	98%
σ		4.437	3.435	2.339	0.624	4.270	3.436	12.670	14.900	1%
%RSD		122.800	1.337	0.910	0.244	1.709	1.365	1.008	1.185	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:03	98%	249.200	251.900	251.000	250.100	250.200	96%	242.600
2	15:41:11	98%	248.000	249.100	247.900	241.900	246.500	97%	241.200
3	15:42:19	98%	248.500	247.600	250.800	246.800	247.500	97%	244.500
x		98%	248.600	249.500	249.900	246.300	248.000	97%	242.800
σ		0%	0.600	2.221	1.748	4.133	1.946	1%	1.651
%RSD		0	0.241	0.890	0.700	1.678	0.784	1	0.680

S4 (S) 06/05/2011 03:46:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:56	100%	495.300	498.000	0.000	50180.000	50580.000	50260.000	49910.000	9943.000
2	15:49:04	97%	509.200	509.100	0.000	51000.000	50790.000	51530.000	51920.000	10140.000
3	15:50:12	97%	511.300	516.000	0.000	50680.000	51210.000	52230.000	51780.000	10140.000
x		98%	505.300	507.700	0.000	50620.000	50860.000	51340.000	51200.000	10070.000
σ		2%	8.677	9.067	0.000	412.500	319.400	998.700	1120.000	114.100
%RSD		2	1.717	1.786	0.000	0.815	0.628	1.945	2.186	1.132
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:56	496.300	9941.000	0.000	0.000	25360.000	49500.000	49900.000	99%	507.200
2	15:49:04	512.000	10160.000	0.000	0.000	25400.000	50580.000	50310.000	100%	502.700
3	15:50:12	502.900	10150.000	0.000	0.000	25000.000	50750.000	50100.000	100%	496.800
x		503.700	10080.000	0.000	0.000	25250.000	50280.000	50100.000	100%	502.200
σ		7.868	123.200	0.000	0.000	218.700	678.000	202.500	0%	5.206
%RSD		1.562	1.222	0.000	0.000	0.866	1.349	0.404	0	1.037
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:56	500.200	505.900	2.919	26690.000	1029.000	25430.000	25600.000	513.800	517.300
2	15:49:04	505.900	505.800	-0.780	26300.000	1023.000	25300.000	25460.000	506.200	512.800
3	15:50:12	505.400	501.000	0.668	25940.000	1018.000	25270.000	25320.000	505.000	503.100
x		503.800	504.200	0.936	26310.000	1023.000	25330.000	25460.000	508.300	511.000
σ		3.146	2.820	1.864	371.600	5.128	85.530	137.900	4.751	7.274
%RSD		0.624	0.559	199.200	1.413	0.501	0.338	0.542	0.935	1.423
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:56	1006.000	1015.000	1027.000	513.600	516.400	-1.294	512.700	516.600	-0.269
2	15:49:04	998.000	1013.000	1041.000	501.100	510.200	-1.245	504.500	509.000	0.808
3	15:50:12	1002.000	1004.000	1026.000	501.400	511.500	-1.185	515.400	511.100	0.559
x		1002.000	1011.000	1031.000	505.400	512.700	-1.241	510.900	512.300	0.366
σ		3.982	5.678	8.328	7.102	3.256	0.054	5.686	3.916	0.564
%RSD		0.398	0.562	0.807	1.405	0.635	4.387	1.113	0.764	154.100
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:56	511.200	504.500	507.000	506.600	502.800	0.000	96%	524.200	517.600
2	15:49:04	495.400	496.500	498.200	492.000	486.400	0.000	100%	490.000	496.000
3	15:50:12	501.500	501.000	507.100	500.200	493.100	0.009	98%	508.700	500.400
x		502.700	500.700	504.100	499.600	494.100	0.003	98%	507.700	504.600
σ		7.962	4.024	5.097	7.313	8.240	0.005	2%	17.100	11.430
%RSD		1.584	0.804	1.011	1.464	1.668	167.400	2	3.369	2.266
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:56	1.941	523.900	516.500	520.700	507.800	505.000	2577.000	2544.000	98%
2	15:49:04	13.860	490.300	503.900	500.700	496.100	508.000	2503.000	2476.000	99%
3	15:50:12	2.992	508.600	506.900	506.200	506.800	493.900	2500.000	2506.000	100%
x		6.264	507.600	509.100	509.200	503.500	502.300	2527.000	2509.000	99%
σ		6.598	16.850	6.552	10.330	6.462	7.445	43.440	34.050	1%
%RSD		105.300	3.319	1.287	2.030	1.283	1.482	1.719	1.357	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	15:47:56	98%	500.000	501.300	502.300	501.200	501.100	96%	498.500	
2	15:49:04	100%	499.700	492.800	496.700	507.800	504.000	98%	497.600	
3	15:50:12	99%	497.600	499.900	507.400	506.300	507.400	97%	498.700	
x		99%	499.100	498.000	502.100	505.100	504.200	97%	498.300	
σ		1%	1.270	4.541	5.364	3.487	3.169	1%	0.578	
%RSD		1	0.254	0.912	1.068	0.690	0.629	1	0.116	

S5 (S) 06/05/2011 03:54:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:49	95%	1021.000	1009.000	0.000	101500.000	101600.000	100800.000	100100.000	20130.000
2	15:56:57	98%	964.600	966.500	0.000	96700.000	96830.000	96760.000	98290.000	19570.000
3	15:58:05	96%	1003.000	1009.000	0.000	100800.000	99810.000	100100.000	99520.000	20180.000
x		96%	996.200	994.700	0.000	99700.000	99420.000	99230.000	99300.000	19960.000
σ		2%	28.960	24.450	0.000	2615.000	2426.000	2165.000	926.800	340.000
%RSD		2	2.907	2.458	0.000	2.623	2.440	2.181	0.933	1.704

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:49	1017.000	20290.000	0.000	0.000	50660.000	102200.000	102200.000	97%	999.100
2	15:56:57	973.500	19460.000	0.000	0.000	48710.000	97190.000	97630.000	99%	987.200
3	15:58:05	1001.000	20050.000	0.000	0.000	49990.000	99280.000	99840.000	99%	1007.000
x		996.900	19940.000	0.000	0.000	49790.000	99550.000	99890.000	98%	997.900
σ		21.810	428.200	0.000	0.000	991.800	2504.000	2284.000	1%	10.100
%RSD		2.188	2.148	0.000	0.000	1.992	2.515	2.286	1	1.012

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:49	1012.000	1017.000	-4.851	49950.000	2024.000	50640.000	50430.000	1012.000	1013.000
2	15:56:57	980.500	983.100	2.477	48290.000	1939.000	48880.000	48950.000	968.300	962.100
3	15:58:05	996.500	986.100	3.829	49110.000	1991.000	49550.000	49380.000	1000.000	1000.000
x		996.200	995.500	0.485	49120.000	1985.000	49690.000	49590.000	993.600	991.800
σ		15.570	19.050	4.671	830.900	42.630	889.600	759.800	22.790	26.490
%RSD		1.563	1.914	963.000	1.692	2.148	1.790	1.532	2.294	2.671

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:49	2031.000	2005.000	2017.000	1004.000	1015.000	-1.301	996.700	1015.000	-0.476
2	15:56:57	1950.000	1936.000	1931.000	971.500	975.200	-1.596	975.100	974.500	1.868
3	15:58:05	1997.000	2026.000	1984.000	1011.000	984.100	-1.875	1005.000	985.700	2.629
x		1993.000	1989.000	1977.000	995.600	991.300	-1.591	992.200	991.600	1.340
σ		40.730	46.970	43.530	21.180	20.730	0.287	15.370	20.730	1.619
%RSD		2.044	2.362	2.201	2.127	2.091	18.030	1.549	2.091	120.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:49	1017.000	1025.000	1019.000	1019.000	1012.000	0.005	94%	999.800	1017.000
2	15:56:57	978.400	967.600	969.200	965.800	979.400	-0.004	97%	978.400	959.500
3	15:58:05	1002.000	1009.000	1008.000	1018.000	1019.000	-0.004	94%	1005.000	1011.000
x		999.300	1001.000	998.800	1001.000	1004.000	-0.001	95%	994.300	995.700
σ		19.670	29.630	26.210	30.560	21.210	0.005	2%	14.020	31.540
%RSD		1.968	2.961	2.624	3.053	2.113	420.300	2	1.410	3.168

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:49	34.720	999.300	1010.000	1010.000	1009.000	1007.000	5006.000	4968.000	96%
2	15:56:57	15.270	978.800	960.100	970.500	977.500	972.400	4881.000	4908.000	97%
3	15:58:05	19.750	1005.000	1009.000	1001.000	1008.000	1016.000	5069.000	5106.000	95%
x		23.250	994.300	993.100	993.600	998.000	998.400	4985.000	4994.000	96%
σ		10.180	13.660	28.620	20.490	17.820	23.010	95.940	101.500	1%
%RSD		43.810	1.374	2.882	2.062	1.786	2.305	1.925	2.032	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:49	97%	1019.000	1009.000	1017.000	1023.000	1020.000	90%	1019.000
2	15:56:57	95%	970.600	965.000	964.400	954.200	956.400	93%	970.400
3	15:58:05	93%	1014.000	1030.000	1016.000	1018.000	1019.000	88%	1020.000
x		95%	1001.000	1001.000	999.100	998.400	998.500	91%	1003.000
σ		2%	26.410	33.110	30.070	38.350	36.450	2%	28.350
%RSD		2	2.639	3.306	3.009	3.841	3.651	3	2.826

ICV 06/05/2011 04:18:26 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	16:19:34	97%	98.120	548.600	0.000	1966.000	1211.000	1183.000	1216.000	501.900
2	16:20:42	97%	97.200	558.700	0.000	1949.000	1223.000	1221.000	1191.000	490.100
3	16:21:51	97%	96.300	530.500	0.000	1944.000	1197.000	1183.000	1209.000	506.200
x		97%	97.210	545.900	0.000	1953.000	1210.000	1196.000	1205.000	499.400
σ		0%	0.911	14.260	0.000	11.370	13.000	21.840	12.940	8.344
%RSD		0	0.937	2.613	0.000	0.582	1.075	1.827	1.074	1.671
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:34	521.400	-2.291	0.000	0.000	1977.000	1826.000	1994.000	97%	493.600
2	16:20:42	503.600	2.430	0.000	0.000	2006.000	1898.000	1986.000	97%	506.700
3	16:21:51	512.400	1.201	0.000	0.000	1976.000	1867.000	1986.000	96%	500.700
x		512.400	0.447	0.000	0.000	1986.000	1864.000	1989.000	97%	500.400
σ		8.919	2.449	0.000	0.000	17.250	36.070	4.457	0%	6.552
%RSD		1.740	548.500	0.000	0.000	0.868	1.935	0.224	1	1.310
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:34	96.570	97.550	-0.466	1034.000	98.140	1006.000	1017.000	100.600	102.200
2	16:20:42	97.230	96.920	-1.431	1047.000	99.350	996.600	1017.000	99.570	101.200
3	16:21:51	96.170	97.460	-2.309	1057.000	100.000	1008.000	1021.000	98.840	101.200
x		96.660	97.310	-1.402	1046.000	99.180	1003.000	1018.000	99.670	101.500
σ		0.534	0.339	0.922	11.120	0.967	6.085	2.290	0.884	0.556
%RSD		0.553	0.349	65.750	1.063	0.975	0.606	0.225	0.887	0.547
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:34	104.800	102.900	204.200	198.800	202.700	-0.116	199.800	202.300	-0.266
2	16:20:42	103.300	103.000	199.700	198.900	205.000	-0.842	196.700	204.400	0.936
3	16:21:51	101.600	101.700	202.900	195.000	199.200	-0.070	196.400	198.300	0.004
x		103.200	102.500	202.300	197.600	202.300	-0.343	197.600	201.700	0.225
σ		1.617	0.739	2.315	2.199	2.921	0.433	1.889	3.085	0.631
%RSD		1.566	0.721	1.145	1.113	1.444	126.300	0.956	1.529	280.500
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:34	502.800	498.200	499.900	499.200	503.200	-0.004	97%	98.380	86.550
2	16:20:42	498.300	496.300	497.700	491.000	494.700	-0.004	98%	93.770	95.450
3	16:21:51	499.100	497.600	505.300	500.200	494.600	-0.004	99%	102.600	89.030
x		500.100	497.400	501.000	496.800	497.500	-0.004	98%	98.250	90.340
σ		2.382	0.982	3.943	5.020	4.934	0.000	1%	4.417	4.594
%RSD		0.476	0.198	0.787	1.011	0.992	0.000	1	4.495	5.085
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:34	3.456	98.440	89.160	101.100	512.700	190.700	99.110	97.240	96%
2	16:20:42	9.225	93.840	90.830	97.590	506.000	193.200	98.090	96.460	97%
3	16:21:51	-0.325	102.700	88.820	99.890	509.800	189.500	96.490	98.630	97%
x		4.119	98.320	89.600	99.510	509.500	191.100	97.900	97.440	97%
σ		4.809	4.424	1.078	1.758	3.351	1.921	1.321	1.098	1%
%RSD		116.800	4.500	1.203	1.767	0.658	1.005	1.349	1.127	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:19:34	97%	196.600	195.900	196.700	190.000	194.500	95%	-0.019	
2	16:20:42	97%	200.300	200.200	204.500	192.300	196.300	95%	-0.017	
3	16:21:51	98%	197.100	197.700	198.900	188.000	193.500	97%	-0.050	
x		97%	198.000	197.900	200.000	190.100	194.800	96%	-0.029	
σ		1%	2.002	2.157	4.014	2.174	1.435	1%	0.019	
%RSD		1	1.011	1.090	2.007	1.144	0.737	1	64.500	

ICB 06/05/2011 04:26:21 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	16:27:29	98%	0.032	10.440	0.000	-11.650	-7.750	-7.060	-7.864	-2.906
2	16:28:37	98%	-0.036	10.370	0.000	-9.526	-5.825	-5.548	-6.647	-2.988
3	16:29:45	96%	-0.001	9.856	0.000	-9.729	-6.565	-6.345	-6.695	-2.782
x		97%	-0.002	10.220	0.000	-10.300	-6.713	-6.318	-7.068	-2.892
σ		1%	0.034	0.316	0.000	1.170	0.971	0.756	0.689	0.104
%RSD		1	2003.000	3.094	0.000	11.350	14.470	11.970	9.748	3.590

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:27:29	0.087	0.573	0.000	0.000	-1.708	-10.780	-19.330	98%	0.552
2	16:28:37	-0.455	-2.192	0.000	0.000	-0.499	-12.400	-16.320	99%	0.237
3	16:29:45	1.806	-7.654	0.000	0.000	1.078	-0.430	-14.040	96%	0.499
x		0.479	-3.091	0.000	0.000	-0.376	-7.869	-16.560	98%	0.429
σ		1.180	4.186	0.000	0.000	1.397	6.494	2.651	1%	0.169
%RSD		246.200	135.400	0.000	0.000	371.200	82.520	16.000	1	39.330

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:27:29	-0.049	-0.054	-1.207	-6.110	0.023	-3.041	-3.914	0.111	0.154
2	16:28:37	-0.152	0.131	-0.794	-3.611	0.099	-1.845	-5.662	0.105	0.045
3	16:29:45	0.201	0.089	-1.229	-4.118	0.021	-1.337	-6.450	0.078	0.030
x		-0.000	0.055	-1.077	-4.613	0.048	-2.075	-5.342	0.098	0.076
σ		0.181	0.097	0.245	1.321	0.045	0.875	1.298	0.017	0.067
%RSD		205000.000	174.400	22.750	28.640	92.980	42.160	24.300	17.630	88.470

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:27:29	0.008	-0.043	-0.500	0.065	-0.089	0.020	-0.129	-0.088	1.503
2	16:28:37	0.069	0.017	-0.400	0.135	0.510	0.010	-0.713	0.510	-0.312
3	16:29:45	0.088	0.075	-0.283	0.252	0.629	-0.017	1.032	0.627	1.600
x		0.055	0.016	-0.394	0.151	0.350	0.004	0.063	0.349	0.930
σ		0.042	0.059	0.109	0.095	0.385	0.019	0.888	0.384	1.077
%RSD		76.490	360.800	27.520	62.580	109.800	439.600	1401.000	109.800	115.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:27:29	1.054	0.933	1.001	0.983	0.951	-0.004	98%	-0.414	0.522
2	16:28:37	0.960	1.101	1.102	0.954	1.012	-0.004	98%	-1.134	0.319
3	16:29:45	0.773	0.753	1.008	0.714	0.994	0.000	98%	-1.429	0.170
x		0.929	0.929	1.037	0.884	0.986	-0.003	98%	-0.992	0.337
σ		0.143	0.174	0.056	0.148	0.031	0.003	0%	0.522	0.176
%RSD		15.400	18.690	5.437	16.730	3.177	90.810	0	52.620	52.320

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:27:29	0.212	-0.414	0.607	0.166	1.252	0.805	0.219	0.114	99%
2	16:28:37	0.727	-1.136	0.326	0.042	1.163	0.644	0.058	0.050	99%
3	16:29:45	0.730	-1.434	0.131	-0.071	0.895	0.555	0.040	0.104	99%
x		0.556	-0.995	0.354	0.046	1.103	0.668	0.106	0.089	99%
σ		0.298	0.524	0.239	0.118	0.186	0.127	0.098	0.035	1%
%RSD		53.660	52.690	67.540	258.900	16.870	18.950	93.080	38.600	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:27:29	98%	0.206	0.250	0.197	0.237	0.198	100%	-0.015
2	16:28:37	98%	0.277	0.291	0.190	0.250	0.210	99%	-0.014
3	16:29:45	101%	0.197	0.193	0.191	0.152	0.202	99%	-0.011
x		99%	0.227	0.245	0.193	0.213	0.203	99%	-0.014
σ		2%	0.044	0.049	0.004	0.054	0.006	0%	0.002
%RSD		2	19.410	20.150	2.046	25.150	2.995	0	15.020

ICSA 06/05/2011 04:34:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:23	84%	0.146	4.952	0.000	100100.000	102800.000	102900.000	101600.000	99740.000
2	16:36:31	82%	0.179	5.333	0.000	103000.000	104700.000	104600.000	104300.000	100700.000
3	16:37:39	83%	0.058	6.539	0.000	99560.000	102500.000	102200.000	101000.000	97830.000
x		83%	0.128	5.608	0.000	100900.000	103300.000	103200.000	102300.000	99410.000
σ		1%	0.063	0.828	0.000	1860.000	1187.000	1273.000	1794.000	1445.000
%RSD		2	48.990	14.770	0.000	1.844	1.149	1.233	1.753	1.454

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:23	54.460	96220.000	0.000	0.000	100100.000	100600.000	100800.000	86%	2053.000
2	16:36:31	56.380	99480.000	0.000	0.000	102100.000	102500.000	102700.000	85%	2075.000
3	16:37:39	55.750	97070.000	0.000	0.000	97780.000	102500.000	99170.000	87%	2033.000
x		55.530	97590.000	0.000	0.000	100000.000	101900.000	100900.000	86%	2054.000
σ		0.977	1690.000	0.000	0.000	2180.000	1118.000	1743.000	1%	20.800
%RSD		1.759	1.732	0.000	0.000	2.179	1.098	1.727	1	1.013

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:23	-1.185	19.510	42.140	96240.000	7.331	101000.000	101100.000	1.120	5.427
2	16:36:31	-1.783	20.200	45.380	98840.000	7.497	103400.000	101600.000	1.130	5.709
3	16:37:39	-2.595	19.510	46.350	97810.000	7.139	98100.000	97940.000	1.101	5.751
x		-1.855	19.740	44.620	97630.000	7.322	100800.000	100200.000	1.117	5.629
σ		0.708	0.397	2.206	1307.000	0.179	2653.000	1994.000	0.015	0.177
%RSD		38.170	2.010	4.945	1.339	2.448	2.631	1.989	1.343	3.135

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:23	7.931	8.177	11.890	0.405	-0.331	0.215	-0.306	-0.330	2.885
2	16:36:31	7.597	8.548	11.790	0.553	0.175	0.191	-0.063	0.175	3.023
3	16:37:39	7.592	7.998	10.970	0.562	-0.518	0.192	-0.371	-0.518	3.935
x		7.707	8.241	11.550	0.507	-0.225	0.199	-0.247	-0.224	3.281
σ		0.194	0.280	0.508	0.088	0.358	0.013	0.162	0.358	0.571
%RSD		2.522	3.403	4.394	17.350	159.500	6.731	65.800	159.700	17.390

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:23	1992.000	1987.000	1996.000	1960.000	1981.000	-0.004	85%	-1.892	-0.019
2	16:36:31	2018.000	2026.000	2040.000	2019.000	2030.000	-0.004	83%	-2.028	0.028
3	16:37:39	1976.000	1975.000	1969.000	1970.000	1975.000	0.001	85%	-0.875	-0.022
x		1995.000	1996.000	2002.000	1983.000	1995.000	-0.003	84%	-1.598	-0.004
σ		21.260	26.610	36.100	31.950	30.260	0.003	1%	0.630	0.028
%RSD		1.066	1.333	1.803	1.611	1.516	113.400	1	39.430	671.400

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:23	13.040	-1.907	-0.031	0.506	0.470	1.332	0.634	1.168	91%
2	16:36:31	14.580	-2.041	-0.029	0.210	0.471	1.371	1.108	0.945	89%
3	16:37:39	12.750	-0.891	-0.012	0.570	0.363	1.271	1.132	0.970	91%
x		13.460	-1.613	-0.024	0.429	0.435	1.324	0.958	1.028	90%
σ		0.983	0.629	0.011	0.192	0.062	0.050	0.281	0.122	1%
%RSD		7.303	38.970	43.960	44.780	14.220	3.803	29.320	11.880	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:23	92%	0.017	0.026	4.864	3.787	4.268	88%	-0.053
2	16:36:31	89%	-0.031	0.003	4.694	4.000	4.322	86%	-0.056
3	16:37:39	91%	-0.016	-0.002	4.437	3.711	4.075	88%	-0.051
x		91%	-0.010	0.009	4.665	3.832	4.222	87%	-0.053
σ		1%	0.025	0.015	0.215	0.150	0.130	1%	0.002
%RSD		2	246.700	167.200	4.600	3.910	3.072	1	4.342

ICSAB 06/05/2011 04:42:11 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	16:43:19	82%	20.870	4.928	0.000	101700.000	104900.000	103700.000	103200.000	99440.000
2	16:44:27	83%	20.400	2.371	0.000	101200.000	102200.000	101400.000	103100.000	99090.000
3	16:45:35	81%	20.370	3.655	0.000	102700.000	105500.000	103500.000	103100.000	100800.000
x		82%	20.550	3.651	0.000	101900.000	104200.000	102900.000	103100.000	99780.000
σ		1%	0.278	1.279	0.000	763.600	1761.000	1264.000	75.220	913.300
%RSD		1	1.353	35.020	0.000	0.750	1.690	1.228	0.073	0.915
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:19	59.200	98160.000	0.000	0.000	100600.000	101400.000	101600.000	85%	2016.000
2	16:44:27	58.810	96740.000	0.000	0.000	98020.000	100700.000	99790.000	86%	2061.000
3	16:45:35	60.230	98190.000	0.000	0.000	101000.000	101000.000	101900.000	85%	2088.000
x		59.420	97700.000	0.000	0.000	99870.000	101100.000	101100.000	85%	2055.000
σ		0.733	827.900	0.000	0.000	1617.000	365.400	1150.000	0%	36.450
%RSD		1.234	0.848	0.000	0.000	1.619	0.362	1.138	0	1.774
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:19	16.290	40.010	45.130	98010.000	28.940	100500.000	99760.000	21.190	25.470
2	16:44:27	18.310	40.590	46.510	97760.000	28.680	98740.000	101200.000	21.650	25.350
3	16:45:35	19.750	40.980	45.970	97740.000	28.690	101000.000	101600.000	21.440	26.470
x		18.120	40.530	45.870	97840.000	28.770	100100.000	100800.000	21.430	25.770
σ		1.739	0.489	0.695	151.300	0.149	1200.000	949.200	0.231	0.613
%RSD		9.597	1.206	1.515	0.155	0.517	1.199	0.941	1.078	2.379
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:19	28.380	27.910	32.710	19.270	18.320	0.204	20.510	18.320	1.249
2	16:44:27	28.060	29.200	33.420	21.070	18.910	0.069	20.710	18.920	5.523
3	16:45:35	28.520	28.170	32.640	21.100	21.770	0.147	19.700	21.790	5.263
x		28.320	28.430	32.920	20.480	19.670	0.140	20.300	19.680	4.011
σ		0.236	0.685	0.434	1.047	1.845	0.068	0.530	1.853	2.396
%RSD		0.835	2.408	1.317	5.111	9.380	48.340	2.609	9.418	59.730
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:19	2011.000	1969.000	1992.000	1983.000	2015.000	0.001	83%	16.910	19.640
2	16:44:27	2033.000	2005.000	1990.000	1997.000	2011.000	-0.004	83%	22.590	19.420
3	16:45:35	2034.000	2016.000	2022.000	1988.000	2020.000	0.001	82%	18.310	19.940
x		2026.000	1997.000	2001.000	1989.000	2015.000	-0.001	83%	19.270	19.670
σ		13.020	24.550	18.230	7.038	4.449	0.003	1%	2.962	0.262
%RSD		0.643	1.230	0.911	0.354	0.221	368.700	1	15.370	1.332
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:19	15.180	16.860	20.000	20.740	0.524	22.130	22.490	21.260	88%
2	16:44:27	12.140	22.550	19.490	21.970	0.476	20.870	21.960	21.360	87%
3	16:45:35	14.810	18.260	19.910	20.950	0.477	21.900	21.940	22.290	87%
x		14.040	19.220	19.800	21.220	0.492	21.630	22.130	21.640	88%
σ		1.661	2.963	0.273	0.659	0.027	0.671	0.316	0.568	1%
%RSD		11.830	15.420	1.380	3.106	5.529	3.104	1.426	2.627	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:43:19	89%	20.560	20.350	26.260	24.180	24.810	84%	-0.067	
2	16:44:27	89%	19.940	20.310	26.270	24.020	24.900	85%	-0.070	
3	16:45:35	87%	20.290	20.040	25.380	23.290	24.620	85%	-0.066	
x		88%	20.260	20.230	25.970	23.830	24.770	85%	-0.068	
σ		1%	0.311	0.170	0.511	0.478	0.143	0%	0.002	
%RSD		1	1.536	0.838	1.968	2.004	0.576	0	3.184	

ICSAX10 06/05/2011 04:50:07 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	16:51:15	88%	-0.144	2.703	0.000	10220.000	10540.000	10650.000	10640.000	10260.000
2	16:52:23	90%	-0.090	1.681	0.000	10280.000	10560.000	10660.000	10590.000	10220.000
3	16:53:31	89%	-0.145	2.253	0.000	10480.000	10590.000	10540.000	10690.000	10270.000
x		89%	-0.127	2.212	0.000	10330.000	10560.000	10610.000	10640.000	10250.000
σ		1%	0.031	0.512	0.000	135.500	26.190	67.660	50.260	26.430
%RSD		1	24.800	23.160	0.000	1.312	0.248	0.637	0.472	0.258
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:15	13.430	10240.000	0.000	0.000	10440.000	11740.000	10400.000	90%	208.400
2	16:52:23	12.410	10090.000	0.000	0.000	10260.000	11470.000	10360.000	90%	215.000
3	16:53:31	12.030	10290.000	0.000	0.000	10520.000	11370.000	10390.000	89%	217.600
x		12.630	10210.000	0.000	0.000	10410.000	11530.000	10380.000	90%	213.700
σ		0.724	106.800	0.000	0.000	132.100	190.700	17.380	0%	4.756
%RSD		5.733	1.046	0.000	0.000	1.269	1.654	0.167	0	2.225
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:15	0.392	2.114	7.657	10600.000	0.330	10570.000	10620.000	0.011	0.508
2	16:52:23	-0.253	1.966	7.957	10520.000	0.311	10480.000	10720.000	0.052	0.395
3	16:53:31	0.495	1.971	6.897	10620.000	0.398	10490.000	10780.000	0.098	0.550
x		0.211	2.017	7.504	10580.000	0.346	10510.000	10710.000	0.054	0.485
σ		0.405	0.084	0.547	51.920	0.046	47.080	80.570	0.043	0.080
%RSD		191.900	4.160	7.286	0.491	13.210	0.448	0.753	80.870	16.590
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:15	0.877	0.732	0.851	-0.062	-0.024	0.035	-0.505	-0.024	0.450
2	16:52:23	0.581	0.711	1.040	0.062	-0.143	0.012	-0.745	-0.143	1.672
3	16:53:31	0.748	0.590	1.216	-0.005	0.389	0.023	-0.664	0.387	-1.236
x		0.736	0.678	1.035	-0.002	0.074	0.023	-0.638	0.073	0.295
σ		0.148	0.077	0.183	0.062	0.279	0.011	0.122	0.278	1.460
%RSD		20.170	11.340	17.630	3935.000	377.600	49.050	19.080	379.100	494.400
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:15	198.300	192.000	194.400	197.900	197.100	0.000	91%	-1.888	-0.059
2	16:52:23	199.600	197.900	194.500	193.600	192.300	-0.004	93%	-1.888	-0.042
3	16:53:31	204.600	196.700	193.700	194.300	196.800	-0.004	92%	-1.492	-0.039
x		200.900	195.500	194.200	195.300	195.400	-0.003	92%	-1.756	-0.047
σ		3.325	3.123	0.438	2.291	2.666	0.003	1%	0.229	0.010
%RSD		1.655	1.597	0.226	1.173	1.364	101.800	1	13.010	22.340
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:15	2.980	-1.892	-0.070	-0.284	-0.070	0.097	-0.209	-0.318	92%
2	16:52:23	2.228	-1.889	-0.069	-0.052	0.014	0.107	-0.351	-0.341	93%
3	16:53:31	1.721	-1.496	-0.056	-0.083	-0.041	0.154	-0.316	-0.230	93%
x		2.310	-1.759	-0.065	-0.140	-0.032	0.119	-0.292	-0.296	93%
σ		0.634	0.228	0.008	0.126	0.043	0.030	0.074	0.058	0%
%RSD		27.430	12.970	12.090	90.180	131.900	25.410	25.330	19.720	0
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:51:15	91%	0.034	0.041	0.422	0.345	0.367	92%	-0.086	
2	16:52:23	94%	0.021	0.009	0.419	0.369	0.373	93%	-0.091	
3	16:53:31	92%	-0.024	-0.013	0.380	0.401	0.367	92%	-0.085	
x		92%	0.010	0.012	0.407	0.372	0.369	92%	-0.087	
σ		1%	0.030	0.027	0.024	0.028	0.004	0%	0.003	
%RSD		1	289.400	222.500	5.808	7.531	0.962	0	3.741	

ICSABX10 06/05/2011 04:58:02 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	16:59:10	89%	1.753	0.153	0.000	10230.000	10400.000	10490.000	10510.000	10160.000
2	17:00:19	88%	2.012	0.608	0.000	10390.000	10820.000	10830.000	10650.000	10440.000
3	17:01:27	86%	1.941	1.761	0.000	10510.000	10700.000	10840.000	10760.000	10420.000
x		88%	1.902	0.841	0.000	10380.000	10640.000	10720.000	10640.000	10340.000
σ		1%	0.134	0.829	0.000	141.000	219.200	201.400	128.300	159.200
%RSD		2	7.018	98.600	0.000	1.358	2.060	1.878	1.206	1.540

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:10	11.700	9925.000	0.000	0.000	10300.000	11430.000	10180.000	90%	207.500
2	17:00:19	11.500	10060.000	0.000	0.000	10380.000	11550.000	10400.000	89%	212.700
3	17:01:27	13.740	10150.000	0.000	0.000	10330.000	11910.000	10400.000	89%	209.000
x		12.310	10040.000	0.000	0.000	10340.000	11630.000	10330.000	89%	209.700
σ		1.237	113.100	0.000	0.000	38.450	249.800	131.700	1%	2.686
%RSD		10.050	1.126	0.000	0.000	0.372	2.148	1.275	1	1.281

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:10	1.386	4.070	6.362	10370.000	2.341	10230.000	10500.000	2.001	2.167
2	17:00:19	1.716	3.952	6.506	10550.000	2.225	10520.000	10740.000	2.168	2.405
3	17:01:27	1.589	4.107	6.788	10610.000	2.433	10460.000	10590.000	2.021	2.650
x		1.564	4.043	6.552	10510.000	2.333	10400.000	10610.000	2.063	2.407
σ		0.166	0.081	0.216	126.900	0.104	150.100	125.300	0.091	0.242
%RSD		10.640	2.002	3.301	1.207	4.475	1.442	1.180	4.433	10.030

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:10	2.748	2.442	2.868	1.744	1.617	0.020	1.017	1.610	1.037
2	17:00:19	2.599	2.821	3.099	1.637	1.529	0.069	1.714	1.523	1.155
3	17:01:27	2.704	2.766	3.172	1.685	2.354	0.046	1.828	2.344	1.455
x		2.684	2.676	3.046	1.689	1.833	0.045	1.520	1.826	1.216
σ		0.076	0.205	0.159	0.054	0.453	0.025	0.439	0.451	0.216
%RSD		2.838	7.662	5.214	3.181	24.710	54.370	28.900	24.700	17.740

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:10	193.300	193.100	192.900	190.500	191.900	-0.004	92%	1.536	1.736
2	17:00:19	200.300	198.600	201.100	194.400	197.200	0.001	90%	1.152	1.837
3	17:01:27	196.300	196.000	197.600	195.900	197.200	-0.004	91%	1.198	1.826
x		196.600	195.900	197.200	193.600	195.400	-0.003	91%	1.296	1.800
σ		3.492	2.754	4.089	2.790	3.055	0.003	1%	0.210	0.055
%RSD		1.776	1.406	2.073	1.441	1.563	102.600	1	16.180	3.081

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:10	1.600	1.534	1.861	1.991	-0.073	2.102	1.558	1.767	93%
2	17:00:19	1.770	1.139	1.872	1.892	-0.066	2.060	1.856	1.511	94%
3	17:01:27	1.647	1.184	1.997	1.716	-0.072	2.073	1.579	1.888	95%
x		1.672	1.285	1.910	1.866	-0.071	2.078	1.664	1.722	94%
σ		0.088	0.216	0.076	0.140	0.004	0.021	0.166	0.193	1%
%RSD		5.239	16.820	3.968	7.476	5.335	1.030	9.997	11.180	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:10	94%	2.009	1.955	2.515	2.358	2.393	94%	-0.099
2	17:00:19	95%	2.054	1.892	2.414	2.235	2.296	95%	-0.096
3	17:01:27	94%	1.837	1.927	2.384	2.248	2.274	98%	-0.093
x		95%	1.967	1.925	2.438	2.280	2.321	95%	-0.096
σ		1%	0.115	0.032	0.069	0.067	0.064	2%	0.003
%RSD		1	5.833	1.640	2.827	2.952	2.737	2	3.313

CCV 06/05/2011 05:05:57 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	17:07:05	92%	509.600	516.500	0.000	50790.000	52580.000	52360.000	52110.000	10210.000
2	17:08:13	92%	508.700	515.300	0.000	51090.000	51870.000	51460.000	51490.000	10210.000
3	17:09:21	92%	510.600	531.500	0.000	51470.000	52490.000	52340.000	51890.000	10270.000
x		92%	509.600	521.100	0.000	51120.000	52310.000	52050.000	51830.000	10230.000
σ		0%	0.929	9.015	0.000	342.900	385.300	514.700	311.300	38.020
%RSD		0	0.182	1.730	0.000	0.671	0.736	0.989	0.601	0.372

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:05	505.900	9989.000	0.000	0.000	25420.000	51850.000	50460.000	92%	502.200
2	17:08:13	505.100	9832.000	0.000	0.000	25200.000	52110.000	49840.000	94%	501.900
3	17:09:21	511.100	10110.000	0.000	0.000	25650.000	52590.000	50240.000	93%	510.200
x		507.400	9976.000	0.000	0.000	25420.000	52190.000	50180.000	93%	504.800
σ		3.254	138.100	0.000	0.000	225.900	374.000	314.400	1%	4.727
%RSD		0.641	1.384	0.000	0.000	0.888	0.717	0.627	1	0.937

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:05	515.000	512.900	0.846	26790.000	1049.000	26210.000	26700.000	515.900	508.400
2	17:08:13	502.400	506.100	3.183	26510.000	1018.000	25620.000	26030.000	506.600	505.100
3	17:09:21	512.700	507.900	-0.819	26730.000	1034.000	25670.000	25960.000	511.500	513.000
x		510.100	509.000	1.070	26680.000	1034.000	25830.000	26230.000	511.300	508.800
σ		6.747	3.518	2.011	146.000	15.950	325.500	411.800	4.657	3.992
%RSD		1.323	0.691	187.900	0.547	1.543	1.260	1.570	0.911	0.785

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:05	1019.000	1004.000	1051.000	509.100	520.500	-1.127	524.300	519.800	-0.928
2	17:08:13	1011.000	1002.000	1039.000	509.600	528.900	-1.041	524.900	529.300	-0.943
3	17:09:21	1010.000	1004.000	1041.000	503.900	524.100	-0.709	519.000	523.600	-0.977
x		1013.000	1003.000	1044.000	507.500	524.500	-0.959	522.700	524.200	-0.950
σ		5.150	0.761	6.728	3.120	4.195	0.221	3.262	4.796	0.025
%RSD		0.508	0.076	0.645	0.615	0.800	23.010	0.624	0.915	2.658

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:05	504.400	495.400	509.300	512.000	514.300	-0.004	91%	530.600	517.200
2	17:08:13	502.100	507.400	510.400	510.200	514.800	0.000	91%	534.600	528.100
3	17:09:21	512.700	506.300	519.500	510.200	504.600	-0.004	92%	512.600	518.400
x		506.400	503.000	513.000	510.800	511.200	-0.003	91%	526.000	521.300
σ		5.556	6.647	5.618	1.062	5.715	0.003	1%	11.730	5.982
%RSD		1.097	1.321	1.095	0.208	1.118	101.300	1	2.231	1.148

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:05	6.188	529.900	520.200	528.400	511.200	518.100	2533.000	2518.000	96%
2	17:08:13	1.699	533.700	518.500	532.800	518.100	516.500	2518.000	2511.000	96%
3	17:09:21	9.154	512.100	508.100	510.900	507.600	511.300	2506.000	2492.000	95%
x		5.680	525.200	515.600	524.100	512.300	515.300	2519.000	2507.000	96%
σ		3.753	11.540	6.566	11.620	5.311	3.551	13.480	13.840	0%
%RSD		66.080	2.198	1.273	2.218	1.037	0.689	0.535	0.552	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:05	97%	494.400	492.500	510.900	502.700	502.400	94%	500.700
2	17:08:13	95%	501.100	495.100	495.300	497.000	498.400	94%	501.100
3	17:09:21	95%	511.100	506.000	507.300	506.200	505.000	94%	501.200
x		96%	502.200	497.900	504.500	502.000	502.000	94%	501.000
σ		1%	8.414	7.169	8.185	4.637	3.335	0%	0.224
%RSD		1	1.675	1.440	1.622	0.924	0.664	0	0.045

CCB 06/05/2011 05:13:49 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	17:14:57	97%	0.064	5.239	0.000	11.040	18.820	19.030	18.270	2.938
2	17:16:06	96%	0.327	7.510	0.000	34.410	37.450	35.850	38.480	7.757
3	17:17:14	95%	0.127	4.170	0.000	14.810	24.270	24.420	24.140	4.473
x		96%	0.172	5.640	0.000	20.090	26.850	26.430	26.960	5.056
σ		1%	0.137	1.706	0.000	12.550	9.580	8.588	10.400	2.462
%RSD		1	79.730	30.240	0.000	62.460	35.680	32.490	38.560	48.690
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:57	0.536	4.611	0.000	0.000	11.510	21.100	8.364	96%	0.285
2	17:16:06	0.610	13.290	0.000	0.000	25.460	16.640	24.850	95%	0.508
3	17:17:14	0.627	8.387	0.000	0.000	18.290	18.120	15.550	95%	0.216
x		0.591	8.764	0.000	0.000	18.420	18.620	16.260	95%	0.336
σ		0.049	4.353	0.000	0.000	6.979	2.268	8.266	1%	0.153
%RSD		8.240	49.670	0.000	0.000	37.890	12.180	50.850	1	45.440
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:57	0.229	0.182	0.003	6.532	0.437	10.920	10.890	0.219	0.182
2	17:16:06	0.276	0.340	0.121	17.660	0.683	20.680	19.380	0.355	0.264
3	17:17:14	0.418	0.198	-0.447	9.883	0.496	11.950	14.170	0.266	0.112
x		0.308	0.240	-0.107	11.360	0.539	14.510	14.810	0.280	0.186
σ		0.098	0.087	0.300	5.707	0.129	5.360	4.283	0.069	0.076
%RSD		31.920	36.280	279.000	50.250	23.910	36.920	28.920	24.630	41.080
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:57	0.474	0.375	-0.042	0.133	0.524	0.010	-0.258	0.522	-0.530
2	17:16:06	0.761	0.621	0.116	0.471	0.521	-0.002	0.601	0.518	-0.562
3	17:17:14	0.416	0.497	0.125	0.196	0.411	-0.005	-0.051	0.408	-0.246
x		0.550	0.497	0.066	0.266	0.485	0.001	0.098	0.483	-0.446
σ		0.185	0.123	0.094	0.180	0.065	0.008	0.449	0.064	0.174
%RSD		33.560	24.730	142.400	67.410	13.310	696.400	459.400	13.350	38.940
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:57	0.695	0.841	0.972	0.642	0.741	-0.004	97%	-1.474	0.250
2	17:16:06	0.633	0.764	0.835	0.710	0.823	-0.004	98%	-0.710	0.443
3	17:17:14	0.512	0.624	0.586	0.589	0.614	-0.004	98%	-1.859	0.316
x		0.613	0.743	0.798	0.647	0.726	-0.004	98%	-1.347	0.337
σ		0.093	0.110	0.196	0.061	0.106	0.000	1%	0.585	0.098
%RSD		15.130	14.790	24.580	9.363	14.540	0.000	1	43.410	29.130
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:57	0.827	-1.475	0.264	0.160	0.722	0.868	1.075	1.081	97%
2	17:16:06	1.031	-0.706	0.388	0.245	0.728	0.836	2.001	2.031	97%
3	17:17:14	1.018	-1.855	0.287	0.154	0.506	0.627	1.510	1.183	95%
x		0.959	-1.345	0.313	0.186	0.652	0.777	1.529	1.432	96%
σ		0.114	0.585	0.066	0.051	0.127	0.131	0.463	0.522	1%
%RSD		11.920	43.500	21.100	27.270	19.430	16.830	30.300	36.430	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	17:14:57	96%	0.264	0.235	0.168	0.228	0.192	97%	0.227	
2	17:16:06	97%	0.452	0.450	0.375	0.354	0.383	97%	0.366	
3	17:17:14	96%	0.285	0.254	0.293	0.264	0.268	98%	0.237	
x		97%	0.334	0.313	0.279	0.282	0.281	97%	0.276	
σ		0%	0.103	0.119	0.104	0.065	0.096	1%	0.077	
%RSD		0	30.900	38.030	37.440	22.980	34.270	1	28.010	

C2310-03 MF4R94D 06/05/2011 05:21:43 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	17:22:51	93%	0.001	863.600	0.000	233000.000	53630.000	53340.000	52810.000	6.709
2	17:23:59	95%	-0.034	875.900	0.000	228700.000	53470.000	52690.000	52990.000	6.273
3	17:25:07	93%	-0.093	894.200	0.000	226700.000	52890.000	53120.000	52420.000	3.102
x		94%	-0.042	877.900	0.000	229400.000	53330.000	53050.000	52740.000	5.361
σ		1%	0.047	15.400	0.000	3218.000	390.600	329.100	293.400	1.969
%RSD		1	113.200	1.755	0.000	1.403	0.732	0.620	0.556	36.720
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:51	20790.000	114.300	0.000	0.000	6973.000	195400.000	212400.000	99%	1.701
2	17:23:59	20520.000	102.900	0.000	0.000	6966.000	204600.000	212300.000	101%	1.645
3	17:25:07	20490.000	97.450	0.000	0.000	6962.000	191700.000	213200.000	101%	1.496
x		20600.000	104.900	0.000	0.000	6967.000	197300.000	212600.000	100%	1.614
σ		168.700	8.591	0.000	0.000	5.256	6651.000	484.900	1%	0.106
%RSD		0.819	8.191	0.000	0.000	0.075	3.372	0.228	1	6.554
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:51	-4.335	1.307	164.000	-7.129	0.571	10.230	269.200	0.791	2.797
2	17:23:59	-2.281	1.380	175.300	-5.107	0.556	9.981	264.400	0.799	2.787
3	17:25:07	-5.836	1.367	186.500	-12.470	0.475	5.896	273.200	0.694	2.888
x		-4.150	1.351	175.300	-8.235	0.534	8.702	268.900	0.762	2.824
σ		1.785	0.039	11.220	3.803	0.052	2.433	4.424	0.059	0.055
%RSD		43.000	2.881	6.402	46.180	9.693	27.960	1.645	7.685	1.964
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:51	9.974	9.913	16.370	23.860	1.491	0.797	-0.047	1.508	0.116
2	17:23:59	10.060	10.610	15.180	25.070	1.442	0.690	-0.801	1.462	1.168
3	17:25:07	9.994	9.978	15.570	22.990	1.431	1.125	0.517	1.451	-0.873
x		10.010	10.170	15.710	23.970	1.454	0.871	-0.111	1.473	0.137
σ		0.045	0.384	0.608	1.043	0.032	0.227	0.661	0.030	1.021
%RSD		0.446	3.779	3.870	4.350	2.208	26.020	598.900	2.048	745.400
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:51	10.770	0.389	0.386	0.367	0.396	0.001	86%	-1.103	0.140
2	17:23:59	11.830	0.437	0.307	0.286	0.252	0.001	85%	-0.863	0.045
3	17:25:07	7.347	0.361	0.202	0.232	0.205	-0.004	85%	-0.909	-0.003
x		9.984	0.396	0.298	0.295	0.284	-0.001	85%	-0.958	0.061
σ		2.344	0.039	0.093	0.068	0.100	0.003	1%	0.127	0.073
%RSD		23.480	9.816	31.030	23.050	35.030	302.500	1	13.290	120.100
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:51	0.573	-1.106	0.050	0.054	0.459	0.390	23.420	24.060	87%
2	17:23:59	0.541	-0.870	0.029	0.062	0.503	0.337	22.900	21.750	87%
3	17:25:07	0.475	-0.911	-0.007	0.004	0.368	0.166	21.650	22.440	86%
x		0.530	-0.962	0.024	0.040	0.444	0.298	22.650	22.750	87%
σ		0.050	0.126	0.029	0.032	0.069	0.117	0.912	1.183	1%
%RSD		9.434	13.110	119.400	79.580	15.480	39.250	4.023	5.202	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	17:22:51	88%	0.269	0.258	1.331	1.185	1.235	83%	0.150	
2	17:23:59	87%	0.141	0.144	1.147	1.225	1.195	82%	0.112	
3	17:25:07	85%	0.066	0.058	1.043	0.966	1.066	82%	0.036	
x		87%	0.159	0.153	1.174	1.125	1.165	82%	0.099	
σ		1%	0.103	0.100	0.146	0.140	0.088	1%	0.058	
%RSD		1	64.730	65.410	12.420	12.410	7.559	1	58.320	

C2339-15X50 MF4Q21 06/05/2011 05:29:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:45	100%	-0.230	24.890	0.000	3368.000	1191.000	1184.000	1192.000	-4.537
2	17:31:53	101%	-0.259	21.490	0.000	3355.000	1194.000	1170.000	1166.000	-4.688
3	17:33:02	102%	-0.224	20.510	0.000	3257.000	1172.000	1177.000	1174.000	-4.602
x		101%	-0.238	22.300	0.000	3327.000	1186.000	1177.000	1177.000	-4.609
σ		1%	0.019	2.299	0.000	60.420	12.250	7.246	13.270	0.076
%RSD		1	7.925	10.310	0.000	1.816	1.033	0.616	1.127	1.646

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:45	582.400	-0.657	0.000	0.000	64.800	3168.000	3309.000	98%	-0.043
2	17:31:53	571.200	-4.082	0.000	0.000	62.270	3195.000	3298.000	99%	-0.045
3	17:33:02	558.900	-6.905	0.000	0.000	57.380	2945.000	3221.000	101%	-0.047
x		570.800	-3.881	0.000	0.000	61.490	3103.000	3276.000	100%	-0.045
σ		11.760	3.129	0.000	0.000	3.772	137.200	48.210	1%	0.002
%RSD		2.061	80.620	0.000	0.000	6.135	4.423	1.472	1	4.906

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:45	-0.643	7.148	29.360	-8.104	-0.178	-4.581	-2.267	-0.115	-0.082
2	17:31:53	0.770	7.228	23.670	-11.500	-0.179	-5.707	-2.938	-0.118	-0.093
3	17:33:02	0.615	7.015	21.240	-11.600	-0.145	-5.363	-6.087	-0.118	-0.055
x		0.247	7.130	24.760	-10.400	-0.167	-5.217	-3.764	-0.117	-0.077
σ		0.775	0.107	4.169	1.990	0.020	0.577	2.040	0.001	0.020
%RSD		313.300	1.507	16.840	19.130	11.780	11.060	54.200	1.108	25.800

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:45	-0.214	-0.188	-0.443	0.347	-0.197	0.088	-0.600	-0.197	0.295
2	17:31:53	-0.151	-0.181	-0.475	0.328	0.342	0.060	-0.313	0.342	0.854
3	17:33:02	-0.223	-0.215	-0.509	-0.192	-0.035	0.147	1.166	-0.034	1.815
x		-0.196	-0.195	-0.476	0.161	0.037	0.099	0.084	0.037	0.988
σ		0.039	0.018	0.033	0.306	0.277	0.044	0.948	0.276	0.769
%RSD		20.050	9.272	6.880	190.100	749.500	45.000	1124.000	746.300	77.820

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:45	-0.170	0.093	0.046	0.033	-0.002	-0.004	98%	-0.370	-0.079
2	17:31:53	-0.013	0.063	0.038	0.043	-0.008	-0.004	99%	-2.555	-0.073
3	17:33:02	-0.082	0.016	-0.004	-0.078	0.004	-0.004	97%	-0.514	-0.077
x		-0.088	0.057	0.027	-0.001	-0.002	-0.004	98%	-1.147	-0.076
σ		0.079	0.038	0.027	0.067	0.006	0.000	1%	1.222	0.003
%RSD		89.080	67.090	99.900	13240.000	318.000	0.000	1	106.600	4.482

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:45	0.105	-0.350	-0.094	-0.130	-0.145	-0.038	1.039	0.908	91%
2	17:31:53	1.294	-2.547	-0.101	-0.295	-0.162	-0.037	0.804	0.845	94%
3	17:33:02	0.184	-0.507	-0.094	-0.159	-0.108	-0.066	1.165	0.845	94%
x		0.528	-1.134	-0.096	-0.195	-0.138	-0.047	1.003	0.866	93%
σ		0.665	1.226	0.004	0.088	0.027	0.016	0.183	0.037	2%
%RSD		126.100	108.100	4.268	45.300	19.760	34.150	18.280	4.218	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:45	90%	-0.099	-0.096	-0.080	-0.088	-0.089	91%	0.029
2	17:31:53	94%	-0.097	-0.102	-0.105	-0.124	-0.106	91%	0.037
3	17:33:02	94%	-0.088	-0.104	-0.118	-0.085	-0.103	95%	0.028
x		93%	-0.095	-0.101	-0.101	-0.099	-0.099	92%	0.031
σ		2%	0.006	0.004	0.019	0.022	0.009	2%	0.005
%RSD		2	6.527	3.911	19.250	21.870	9.090	2	15.690

C2339-18X25 MF4Q29 06/05/2011 05:37:31 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	17:38:39	101%	-0.181	43.790	0.000	9168.000	2740.000	2708.000	2729.000	-2.891
2	17:39:47	100%	-0.121	41.380	0.000	9306.000	2787.000	2761.000	2767.000	-2.721
3	17:40:56	101%	-0.079	38.940	0.000	9254.000	2736.000	2705.000	2755.000	-2.184
x		101%	-0.127	41.370	0.000	9243.000	2754.000	2725.000	2750.000	-2.599
σ		1%	0.051	2.423	0.000	69.820	28.150	31.400	19.500	0.369
%RSD		1	40.400	5.857	0.000	0.755	1.022	1.152	0.709	14.200
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:39	1098.000	-6.881	0.000	0.000	281.800	7311.000	7966.000	99%	0.059
2	17:39:47	1102.000	-4.405	0.000	0.000	284.700	7517.000	8077.000	100%	-0.045
3	17:40:56	1101.000	-4.569	0.000	0.000	286.100	7401.000	8176.000	99%	-0.008
x		1101.000	-5.285	0.000	0.000	284.200	7410.000	8073.000	99%	0.002
σ		2.053	1.385	0.000	0.000	2.195	103.200	105.000	1%	0.053
%RSD		0.187	26.200	0.000	0.000	0.772	1.393	1.301	1	2757.000
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:39	2.723	4.902	15.760	2.173	-0.030	6.883	10.710	-0.049	0.161
2	17:39:47	2.091	4.972	16.430	2.845	-0.018	7.780	13.710	-0.048	0.123
3	17:40:56	1.520	4.995	16.420	2.597	-0.047	9.259	15.330	-0.034	0.084
x		2.111	4.957	16.200	2.538	-0.032	7.974	13.250	-0.044	0.123
σ		0.602	0.048	0.383	0.340	0.015	1.200	2.343	0.008	0.038
%RSD		28.490	0.975	2.366	13.390	46.240	15.040	17.680	19.170	31.220
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:39	3.364	3.526	5.767	0.244	0.074	0.086	-0.773	0.074	1.180
2	17:39:47	3.533	4.264	5.780	0.221	0.131	0.091	-0.156	0.132	1.897
3	17:40:56	3.467	3.415	6.113	0.291	0.994	0.066	-0.007	0.992	2.700
x		3.455	3.735	5.886	0.252	0.400	0.081	-0.312	0.399	1.926
σ		0.085	0.462	0.196	0.036	0.516	0.013	0.406	0.514	0.760
%RSD		2.470	12.360	3.337	14.170	129.100	16.280	130.300	128.900	39.480
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:39	-0.060	0.022	0.033	0.111	-0.011	-0.004	98%	0.133	-0.015
2	17:39:47	-0.005	0.048	0.090	-0.042	0.029	0.000	96%	0.965	0.015
3	17:40:56	-0.073	0.063	0.026	0.043	0.005	-0.004	99%	-1.606	0.007
x		-0.046	0.044	0.050	0.038	0.008	-0.003	98%	-0.169	0.002
σ		0.036	0.021	0.035	0.077	0.020	0.003	2%	1.312	0.016
%RSD		78.910	47.770	71.360	204.100	260.700	92.560	2	774.900	685.500
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:39	-0.068	0.136	-0.043	-0.074	-0.083	-0.004	1.337	1.434	97%
2	17:39:47	-0.560	0.958	-0.018	0.011	-0.061	-0.031	1.345	1.374	98%
3	17:40:56	0.742	-1.606	-0.028	-0.205	-0.077	-0.033	1.319	1.527	98%
x		0.038	-0.171	-0.030	-0.089	-0.074	-0.023	1.333	1.445	98%
σ		0.657	1.309	0.013	0.109	0.011	0.017	0.014	0.077	1%
%RSD		1718.000	768.100	42.250	121.600	15.270	73.260	1.021	5.320	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	17:38:39	96%	-0.077	-0.072	0.413	0.333	0.387	96%	0.224	
2	17:39:47	98%	-0.058	-0.064	0.449	0.404	0.410	98%	0.212	
3	17:40:56	98%	-0.051	-0.056	0.386	0.343	0.397	98%	0.255	
x		97%	-0.062	-0.064	0.416	0.360	0.398	97%	0.231	
σ		1%	0.014	0.008	0.031	0.039	0.012	1%	0.022	
%RSD		1	22.140	12.330	7.545	10.700	2.902	1	9.638	

C2339-09 MF4Q13 06/05/2011 05:45:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:33	87%	-0.275	751.700	0.000	259000.000	51450.000	51700.000	51000.000	11.490
2	17:47:41	86%	-0.249	747.800	0.000	264500.000	53180.000	52850.000	53440.000	8.613
3	17:48:49	87%	-0.209	779.700	0.000	267500.000	53270.000	53900.000	53030.000	12.100
x		87%	-0.244	759.700	0.000	263700.000	52630.000	52810.000	52490.000	10.730
σ		1%	0.033	17.400	0.000	4300.000	1024.000	1101.000	1304.000	1.860
%RSD		1	13.670	2.290	0.000	1.631	1.945	2.084	2.485	17.340

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:33	21660.000	57.350	0.000	0.000	5684.000	165500.000	186100.000	97%	1.573
2	17:47:41	22750.000	82.260	0.000	0.000	6151.000	185000.000	202200.000	88%	1.740
3	17:48:49	22790.000	66.790	0.000	0.000	6174.000	181600.000	202000.000	91%	2.113
x		22400.000	68.800	0.000	0.000	6003.000	177400.000	196800.000	92%	1.809
σ		640.000	12.570	0.000	0.000	276.700	10390.000	9227.000	4%	0.277
%RSD		2.857	18.280	0.000	0.000	4.609	5.856	4.690	5	15.290

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:33	23.440	4000.000	146.200	1609.000	0.608	0.281	212.000	0.103	3.913
2	17:47:41	43.000	4332.000	144.900	1747.000	0.705	4.731	226.500	0.092	4.757
3	17:48:49	27.990	4307.000	172.000	1749.000	0.640	3.804	235.600	0.113	4.663
x		31.480	4213.000	154.400	1702.000	0.651	2.939	224.700	0.102	4.445
σ		10.230	184.800	15.280	80.380	0.050	2.348	11.890	0.011	0.462
%RSD		32.510	4.387	9.899	4.723	7.606	79.900	5.290	10.280	10.400

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:33	469.400	479.700	401.800	9.387	12.910	0.592	8.014	13.050	1.995
2	17:47:41	508.100	501.000	419.400	10.260	15.250	0.603	8.082	15.280	2.885
3	17:48:49	502.200	503.500	422.400	11.290	13.840	0.514	9.586	13.910	-0.646
x		493.200	494.700	414.500	10.310	14.000	0.570	8.561	14.080	1.411
σ		20.850	13.110	11.150	0.952	1.180	0.048	0.889	1.129	1.836
%RSD		4.228	2.649	2.690	9.232	8.428	8.494	10.380	8.017	130.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:33	0.972	1.137	0.964	0.985	0.925	-0.004	83%	-2.284	0.071
2	17:47:41	1.282	0.996	1.051	1.250	1.053	0.001	84%	0.818	0.098
3	17:48:49	1.185	1.281	1.191	1.045	1.053	-0.004	83%	-2.269	0.045
x		1.147	1.138	1.069	1.093	1.010	-0.003	83%	-1.245	0.071
σ		0.158	0.142	0.114	0.139	0.074	0.003	0%	1.786	0.026
%RSD		13.810	12.490	10.700	12.690	7.308	114.600	0	143.500	36.980

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:33	1.267	-2.296	0.033	-0.139	4.326	0.235	25.490	24.180	89%
2	17:47:41	-0.484	0.809	0.040	0.027	3.812	0.227	24.770	24.820	86%
3	17:48:49	1.168	-2.272	0.061	-0.182	4.112	0.222	25.220	24.940	85%
x		0.650	-1.253	0.045	-0.098	4.083	0.228	25.160	24.650	87%
σ		0.984	1.786	0.014	0.110	0.258	0.007	0.363	0.408	2%
%RSD		151.200	142.500	32.240	112.600	6.323	2.895	1.444	1.653	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:33	88%	-0.048	-0.072	44.820	42.880	43.850	84%	5.983
2	17:47:41	87%	-0.086	-0.095	45.390	43.240	44.270	82%	5.772
3	17:48:49	84%	-0.082	-0.096	43.820	41.300	42.700	83%	5.749
x		86%	-0.072	-0.088	44.680	42.480	43.600	83%	5.835
σ		2%	0.021	0.014	0.795	1.033	0.814	1%	0.129
%RSD		2	28.570	15.710	1.779	2.432	1.866	1	2.204

C2339-09X25 MF4Q13 06/05/2011 05:53:20 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:29	100%	-0.244	47.130	0.000	11230.000	2235.000	2217.000	2225.000	-3.872
2	17:55:37	102%	-0.238	38.260	0.000	11120.000	2201.000	2186.000	2192.000	-3.808
3	17:56:45	103%	-0.239	41.490	0.000	11170.000	2213.000	2178.000	2206.000	-3.747
x		102%	-0.240	42.290	0.000	11170.000	2216.000	2194.000	2208.000	-3.809
σ		1%	0.003	4.489	0.000	53.420	17.590	20.870	16.280	0.063
%RSD		1	1.344	10.620	0.000	0.478	0.793	0.951	0.737	1.648

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:29	976.900	-8.766	0.000	0.000	263.000	7727.000	8200.000	99%	-0.078
2	17:55:37	975.300	-1.727	0.000	0.000	261.900	7677.000	8192.000	99%	-0.114
3	17:56:45	966.900	-4.951	0.000	0.000	263.700	7879.000	8202.000	101%	-0.082
x		973.000	-5.148	0.000	0.000	262.900	7761.000	8198.000	100%	-0.091
σ		5.403	3.524	0.000	0.000	0.891	105.700	5.100	1%	0.020
%RSD		0.555	68.450	0.000	0.000	0.339	1.362	0.062	1	21.720

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:29	1.801	190.100	25.650	66.540	-0.167	-6.028	2.333	-0.084	0.216
2	17:55:37	1.614	186.700	24.020	65.060	-0.157	-5.716	3.429	-0.099	0.142
3	17:56:45	-0.791	183.200	25.670	65.800	-0.098	-6.375	2.320	-0.090	0.359
x		0.875	186.700	25.110	65.800	-0.141	-6.040	2.694	-0.091	0.239
σ		1.446	3.464	0.944	0.738	0.037	0.329	0.637	0.007	0.110
%RSD		165.300	1.856	3.758	1.122	26.490	5.454	23.630	8.203	46.080

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:29	23.160	23.080	19.180	0.380	-0.254	0.121	0.125	-0.254	3.527
2	17:55:37	22.440	21.690	19.230	0.608	-0.415	0.088	-0.164	-0.414	1.218
3	17:56:45	22.050	22.730	18.800	0.520	1.247	0.069	-0.303	1.246	0.507
x		22.550	22.500	19.070	0.503	0.193	0.093	-0.114	0.193	1.751
σ		0.561	0.725	0.234	0.115	0.916	0.026	0.218	0.916	1.579
%RSD		2.488	3.221	1.229	22.870	475.400	28.290	191.600	475.200	90.190

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:29	-0.178	-0.074	-0.079	-0.121	-0.062	0.000	95%	-2.250	-0.074
2	17:55:37	-0.169	-0.069	-0.024	-0.123	-0.088	0.000	98%	-2.168	-0.054
3	17:56:45	-0.124	-0.107	-0.090	-0.025	-0.103	-0.004	99%	-0.349	-0.050
x		-0.157	-0.083	-0.064	-0.090	-0.084	-0.001	97%	-1.589	-0.059
σ		0.029	0.020	0.036	0.056	0.021	0.003	2%	1.075	0.013
%RSD		18.610	24.340	55.430	62.430	24.360	197.300	2	67.630	22.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:29	1.221	-2.246	-0.098	-0.238	-0.011	-0.062	0.666	0.621	93%
2	17:55:37	1.175	-2.163	-0.075	-0.244	-0.040	-0.066	0.841	0.414	95%
3	17:56:45	0.245	-0.335	-0.055	-0.128	0.011	-0.067	0.668	0.775	94%
x		0.880	-1.581	-0.076	-0.203	-0.013	-0.065	0.725	0.603	94%
σ		0.551	1.080	0.022	0.065	0.026	0.003	0.100	0.181	1%
%RSD		62.560	68.300	28.270	32.080	196.200	4.121	13.810	30.000	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:29	93%	-0.099	-0.111	1.767	1.651	1.711	91%	0.134
2	17:55:37	93%	-0.101	-0.102	1.722	1.745	1.715	92%	0.144
3	17:56:45	93%	-0.100	-0.095	1.780	1.621	1.670	93%	0.143
x		93%	-0.100	-0.103	1.756	1.673	1.699	92%	0.140
σ		0%	0.001	0.008	0.031	0.065	0.025	1%	0.006
%RSD		0	1.071	7.954	1.738	3.875	1.472	1	4.142

C2339-19 MF4Q58 06/05/2011 06:01:16 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	18:02:24	93%	-0.239	666.000	0.000	204900.000	37730.000	37490.000	37970.000	-2.220
2	18:03:31	93%	-0.231	683.900	0.000	207700.000	38610.000	37980.000	37620.000	-2.461
3	18:04:39	90%	-0.213	669.600	0.000	206100.000	38150.000	37220.000	37760.000	-2.458
x		92%	-0.228	673.200	0.000	206200.000	38160.000	37560.000	37780.000	-2.380
σ		2%	0.013	9.482	0.000	1394.000	440.700	387.600	176.200	0.138
%RSD		2	5.821	1.409	0.000	0.676	1.155	1.032	0.466	5.809

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:24	23090.000	53.510	0.000	0.000	7831.000	203000.000	210600.000	100%	1.976
2	18:03:31	23250.000	66.790	0.000	0.000	7806.000	206700.000	215300.000	100%	2.046
3	18:04:39	22840.000	49.790	0.000	0.000	7485.000	199600.000	208300.000	102%	1.750
x		23060.000	56.700	0.000	0.000	7707.000	203100.000	211400.000	100%	1.924
σ		204.100	8.939	0.000	0.000	193.300	3570.000	3581.000	2%	0.155
%RSD		0.885	15.760	0.000	0.000	2.508	1.758	1.694	2	8.043

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:24	26.180	509.200	152.000	251.600	1.083	69.530	325.500	0.146	4.116
2	18:03:31	26.930	507.100	165.000	261.100	1.093	72.620	332.300	0.144	4.161
3	18:04:39	25.290	486.600	170.100	250.000	1.012	66.810	321.500	0.123	3.820
x		26.130	500.900	162.400	254.200	1.063	69.650	326.500	0.138	4.032
σ		0.821	12.490	9.296	5.979	0.044	2.909	5.463	0.013	0.185
%RSD		3.142	2.494	5.725	2.352	4.135	4.176	1.674	9.201	4.593

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:24	3.508	3.539	263.000	6.889	18.190	0.653	10.000	18.370	-1.223
2	18:03:31	3.490	3.356	265.900	7.310	18.140	0.645	11.390	18.320	2.068
3	18:04:39	3.420	3.406	258.300	7.955	17.320	0.649	10.310	17.560	0.440
x		3.473	3.434	262.400	7.385	17.880	0.649	10.570	18.080	0.428
σ		0.046	0.095	3.861	0.537	0.488	0.004	0.730	0.456	1.645
%RSD		1.336	2.760	1.471	7.275	2.730	0.607	6.906	2.520	384.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:24	0.354	0.458	0.514	0.528	0.545	-0.004	86%	0.450	-0.062
2	18:03:31	0.351	0.471	0.404	0.576	0.430	-0.004	87%	-1.273	-0.060
3	18:04:39	0.401	0.512	0.375	0.460	0.435	0.001	85%	-0.422	-0.056
x		0.368	0.480	0.431	0.521	0.470	-0.003	86%	-0.415	-0.059
σ		0.028	0.028	0.073	0.058	0.065	0.003	1%	0.862	0.003
%RSD		7.593	5.841	16.940	11.160	13.740	110.200	1	207.500	4.842

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:24	-0.298	0.442	-0.063	-0.051	0.161	-0.035	47.450	50.010	89%
2	18:03:31	0.660	-1.278	-0.053	-0.213	0.062	-0.047	48.950	48.890	89%
3	18:04:39	0.231	-0.431	-0.089	-0.175	0.113	0.002	49.050	48.830	88%
x		0.198	-0.422	-0.068	-0.147	0.112	-0.027	48.480	49.240	88%
σ		0.480	0.860	0.019	0.085	0.049	0.026	0.897	0.669	0%
%RSD		242.500	203.700	27.200	57.920	43.910	95.440	1.851	1.359	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:24	89%	-0.099	-0.100	0.344	0.356	0.332	84%	5.319
2	18:03:31	87%	-0.095	-0.104	0.337	0.286	0.331	84%	5.388
3	18:04:39	89%	-0.099	-0.099	0.311	0.298	0.317	85%	5.338
x		88%	-0.097	-0.101	0.331	0.313	0.327	84%	5.349
σ		1%	0.002	0.002	0.017	0.037	0.008	0%	0.035
%RSD		1	2.468	2.454	5.221	11.900	2.430	0	0.662

C2339-20 MF4Q59 06/05/2011 06:09:10 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	18:10:18	89%	-0.236	678.500	0.000	212800.000	38570.000	38810.000	38680.000	-2.828
2	18:11:26	92%	-0.262	672.300	0.000	206200.000	37910.000	38270.000	38650.000	-3.253
3	18:12:34	92%	-0.262	675.100	0.000	207800.000	38650.000	38340.000	38430.000	-3.447
x		91%	-0.253	675.300	0.000	208900.000	38380.000	38470.000	38590.000	-3.176
σ		2%	0.015	3.103	0.000	3476.000	408.400	292.200	139.800	0.317
%RSD		2	5.881	0.460	0.000	1.664	1.064	0.759	0.362	9.976

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:18	23420.000	50.150	0.000	0.000	7740.000	192300.000	213900.000	99%	1.217
2	18:11:26	23190.000	62.350	0.000	0.000	7614.000	204800.000	215300.000	100%	1.695
3	18:12:34	22980.000	24.630	0.000	0.000	7603.000	202300.000	212500.000	100%	0.994
x		23200.000	45.710	0.000	0.000	7652.000	199800.000	213900.000	100%	1.302
σ		222.600	19.240	0.000	0.000	75.900	6618.000	1405.000	1%	0.359
%RSD		0.960	42.100	0.000	0.000	0.992	3.313	0.657	1	27.550

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:18	26.910	506.100	174.200	243.000	0.045	55.340	306.000	0.190	3.785
2	18:11:26	25.050	505.700	186.700	249.900	-0.024	56.000	292.300	0.148	3.761
3	18:12:34	26.470	497.200	186.400	246.400	0.033	56.360	282.600	0.137	3.368
x		26.140	503.000	182.400	246.400	0.018	55.900	293.600	0.158	3.638
σ		0.971	5.026	7.139	3.419	0.037	0.516	11.750	0.028	0.234
%RSD		3.714	0.999	3.913	1.387	203.100	0.923	4.002	17.590	6.444

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:18	2.755	2.599	249.500	7.578	15.040	0.667	10.300	15.200	1.813
2	18:11:26	2.552	2.776	253.600	7.528	17.620	0.758	11.650	17.810	0.772
3	18:12:34	2.680	2.371	247.100	7.819	16.870	0.748	10.860	17.050	0.777
x		2.662	2.582	250.100	7.642	16.510	0.724	10.940	16.690	1.121
σ		0.102	0.203	3.278	0.156	1.326	0.050	0.677	1.341	0.600
%RSD		3.846	7.857	1.311	2.036	8.034	6.882	6.189	8.036	53.510

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:18	0.539	0.320	0.433	0.522	0.488	-0.004	86%	-0.333	-0.070
2	18:11:26	0.382	0.554	0.371	0.454	0.464	-0.004	86%	-0.629	-0.054
3	18:12:34	0.370	0.493	0.409	0.494	0.456	-0.004	86%	-1.826	-0.057
x		0.430	0.456	0.404	0.490	0.469	-0.004	86%	-0.929	-0.060
σ		0.094	0.121	0.031	0.034	0.017	0.000	0%	0.791	0.008
%RSD		21.840	26.630	7.729	6.979	3.574	0.000	0	85.070	13.840

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:18	0.270	-0.341	-0.068	-0.126	-0.110	-0.020	50.600	49.780	88%
2	18:11:26	0.505	-0.639	-0.092	-0.207	-0.124	-0.050	49.460	49.440	89%
3	18:12:34	0.859	-1.835	-0.076	-0.183	-0.115	-0.032	48.780	50.860	90%
x		0.544	-0.938	-0.079	-0.172	-0.116	-0.034	49.620	50.020	89%
σ		0.296	0.791	0.012	0.041	0.007	0.015	0.921	0.740	1%
%RSD		54.400	84.300	15.430	24.110	6.018	45.300	1.857	1.480	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:18	90%	-0.097	-0.098	0.194	0.184	0.213	85%	5.470
2	18:11:26	89%	-0.093	-0.106	0.249	0.131	0.219	85%	5.359
3	18:12:34	90%	-0.111	-0.107	0.246	0.211	0.195	87%	5.336
x		90%	-0.101	-0.104	0.229	0.175	0.209	86%	5.388
σ		0%	0.010	0.005	0.031	0.041	0.013	1%	0.071
%RSD		1	9.515	4.832	13.480	23.170	6.021	1	1.321

zzzzzz 06/05/2011 06:17:05 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	18:18:13	98%	-0.235	464.100	0.000	119600.000	28230.000	27990.000	27900.000	-4.536
2	18:19:21	99%	-0.294	484.100	0.000	121200.000	27970.000	27800.000	27840.000	-4.652
3	18:20:30	100%	-0.236	455.200	0.000	117600.000	27330.000	27350.000	27680.000	-4.586
x		99%	-0.255	467.800	0.000	119500.000	27840.000	27720.000	27810.000	-4.591
σ		1%	0.034	14.820	0.000	1766.000	463.800	328.000	117.000	0.058
%RSD		1	13.330	3.168	0.000	1.478	1.666	1.183	0.421	1.265

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:13	10800.000	5.300	0.000	0.000	3723.000	105600.000	113800.000	97%	0.990
2	18:19:21	10760.000	8.456	0.000	0.000	3802.000	107300.000	114300.000	97%	0.462
3	18:20:30	10890.000	4.729	0.000	0.000	3758.000	105300.000	114300.000	97%	0.567
x		10820.000	6.162	0.000	0.000	3761.000	106100.000	114100.000	97%	0.673
σ		67.450	2.008	0.000	0.000	39.770	1080.000	291.800	0%	0.279
%RSD		0.624	32.580	0.000	0.000	1.057	1.019	0.256	0	41.490

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:13	-2.605	1.310	126.400	-11.630	-0.032	-6.216	128.800	0.265	1.221
2	18:19:21	-4.033	1.296	136.600	-16.180	-0.014	-5.444	124.000	0.191	1.554
3	18:20:30	-2.652	1.329	138.300	-14.270	-0.013	-5.045	125.400	0.231	1.441
x		-3.097	1.312	133.800	-14.030	-0.020	-5.568	126.100	0.229	1.405
σ		0.811	0.017	6.449	2.282	0.011	0.596	2.477	0.037	0.169
%RSD		26.180	1.284	4.821	16.270	54.640	10.700	1.965	16.070	12.040

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:13	4.973	5.038	7.881	13.100	-0.143	0.474	-0.707	-0.143	0.856
2	18:19:21	5.375	4.842	8.919	12.380	1.006	0.605	-0.652	1.010	0.964
3	18:20:30	5.220	5.339	7.803	11.800	0.141	0.684	-0.723	0.142	0.567
x		5.189	5.073	8.201	12.430	0.335	0.588	-0.694	0.337	0.796
σ		0.203	0.250	0.623	0.651	0.598	0.106	0.037	0.600	0.205
%RSD		3.910	4.936	7.600	5.239	178.700	17.980	5.357	178.400	25.770

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:13	-0.239	-0.146	-0.150	-0.166	-0.145	-0.004	93%	-0.405	-0.076
2	18:19:21	-0.184	-0.114	-0.122	-0.153	-0.167	-0.004	90%	-1.761	-0.073
3	18:20:30	-0.173	-0.145	-0.164	-0.178	-0.214	-0.004	92%	-1.962	-0.039
x		-0.199	-0.135	-0.145	-0.165	-0.175	-0.004	92%	-1.376	-0.063
σ		0.035	0.018	0.022	0.012	0.035	0.000	1%	0.847	0.021
%RSD		17.640	13.390	14.790	7.490	19.990	0.000	1	61.570	32.680

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:13	0.130	-0.401	-0.078	-0.103	-0.130	-0.057	10.300	11.210	91%
2	18:19:21	0.822	-1.764	-0.083	-0.232	-0.135	-0.076	10.380	10.790	92%
3	18:20:30	1.001	-1.959	-0.090	-0.222	-0.121	-0.085	9.839	10.740	90%
x		0.651	-1.374	-0.084	-0.185	-0.129	-0.073	10.170	10.910	91%
σ		0.460	0.849	0.006	0.072	0.007	0.014	0.291	0.257	1%
%RSD		70.600	61.750	7.326	38.760	5.582	19.480	2.862	2.354	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:13	92%	-0.091	-0.103	0.389	0.389	0.380	89%	-0.096
2	18:19:21	90%	-0.113	-0.104	0.378	0.366	0.388	88%	-0.099
3	18:20:30	92%	-0.113	-0.112	0.430	0.360	0.392	88%	-0.095
x		91%	-0.106	-0.106	0.399	0.372	0.387	88%	-0.097
σ		1%	0.013	0.005	0.028	0.016	0.006	1%	0.002
%RSD		1	12.210	4.645	6.954	4.168	1.643	1	2.132

C2339-19X25 MF4Q58 06/05/2011 06:25:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:09	105%	-0.282	43.920	0.000	9092.000	1711.000	1666.000	1698.000	-2.123
2	18:27:17	103%	-0.260	40.960	0.000	9281.000	1736.000	1728.000	1732.000	-1.974
3	18:28:26	106%	-0.275	35.490	0.000	9120.000	1711.000	1664.000	1671.000	-2.176
x		105%	-0.272	40.120	0.000	9164.000	1720.000	1686.000	1700.000	-2.091
σ		1%	0.011	4.274	0.000	102.400	14.530	36.660	30.460	0.105
%RSD		1	4.052	10.650	0.000	1.117	0.845	2.174	1.791	5.018

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:09	1070.000	-6.220	0.000	0.000	350.300	8970.000	9452.000	102%	-0.151
2	18:27:17	1097.000	-7.394	0.000	0.000	359.700	9254.000	9874.000	100%	-0.115
3	18:28:26	1049.000	-7.601	0.000	0.000	351.900	9125.000	9551.000	101%	-0.150
x		1072.000	-7.071	0.000	0.000	354.000	9116.000	9626.000	101%	-0.139
σ		23.820	0.745	0.000	0.000	5.006	142.500	220.500	1%	0.020
%RSD		2.222	10.530	0.000	0.000	1.414	1.563	2.291	1	14.560

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:09	0.093	23.150	35.320	3.303	-0.175	-2.360	8.489	-0.100	0.087
2	18:27:17	0.905	23.960	33.530	1.644	-0.156	-1.372	9.482	-0.128	0.043
3	18:28:26	0.146	23.660	33.120	4.482	-0.179	-1.091	8.368	-0.100	0.060
x		0.382	23.590	33.990	3.143	-0.170	-1.607	8.780	-0.109	0.063
σ		0.454	0.412	1.169	1.426	0.013	0.667	0.611	0.016	0.022
%RSD		119.000	1.747	3.439	45.360	7.454	41.480	6.961	14.690	34.980

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:09	-0.005	-0.059	13.290	0.625	0.494	0.106	-0.172	0.494	-0.129
2	18:27:17	-0.015	0.014	12.780	0.256	0.237	0.134	-0.202	0.238	-0.313
3	18:28:26	-0.050	-0.015	13.910	0.374	0.391	0.122	-1.216	0.391	1.396
x		-0.024	-0.020	13.330	0.419	0.374	0.121	-0.530	0.374	0.318
σ		0.023	0.037	0.562	0.189	0.129	0.014	0.594	0.129	0.939
%RSD		99.490	181.300	4.220	45.050	34.570	11.510	112.100	34.480	295.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:09	-0.173	-0.135	-0.160	-0.169	-0.163	0.000	100%	-0.817	-0.084
2	18:27:17	-0.218	-0.148	-0.107	-0.134	-0.157	0.000	97%	-1.169	-0.084
3	18:28:26	-0.185	-0.142	-0.128	-0.180	-0.167	-0.004	100%	-1.749	-0.082
x		-0.192	-0.141	-0.132	-0.161	-0.162	-0.001	99%	-1.245	-0.083
σ		0.024	0.006	0.027	0.024	0.005	0.003	2%	0.471	0.001
%RSD		12.240	4.521	20.150	14.930	3.093	183.600	2	37.830	1.514

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:09	0.483	-0.807	-0.106	-0.193	-0.221	-0.101	1.584	1.448	96%
2	18:27:17	0.593	-1.164	-0.094	-0.206	-0.189	-0.093	1.175	1.794	95%
3	18:28:26	0.809	-1.738	-0.090	-0.221	-0.199	-0.112	1.491	1.643	94%
x		0.629	-1.236	-0.096	-0.207	-0.203	-0.102	1.417	1.628	95%
σ		0.166	0.470	0.008	0.014	0.016	0.010	0.214	0.174	1%
%RSD		26.370	38.000	8.612	6.675	7.960	9.381	15.120	10.650	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:09	96%	-0.120	-0.111	-0.110	-0.117	-0.098	92%	0.106
2	18:27:17	93%	-0.108	-0.116	-0.084	-0.088	-0.087	91%	0.117
3	18:28:26	96%	-0.105	-0.115	-0.073	-0.085	-0.086	94%	0.102
x		95%	-0.111	-0.114	-0.089	-0.096	-0.090	92%	0.108
σ		1%	0.008	0.003	0.019	0.018	0.007	2%	0.008
%RSD		1	6.754	2.545	21.310	18.350	7.569	2	7.282

C2339-20X25 MF4Q59 06/05/2011 06:32:58 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	18:34:06	104%	-0.247	35.680	0.000	8911.000	1621.000	1585.000	1608.000	-4.180
2	18:35:14	105%	-0.261	33.730	0.000	8836.000	1650.000	1594.000	1630.000	-4.238
3	18:36:22	104%	-0.247	35.990	0.000	8859.000	1640.000	1603.000	1634.000	-4.095
x		105%	-0.252	35.140	0.000	8869.000	1637.000	1594.000	1624.000	-4.171
σ		1%	0.008	1.225	0.000	38.420	14.660	9.173	14.130	0.072
%RSD		1	3.338	3.485	0.000	0.433	0.896	0.576	0.870	1.722

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	1019.000	-5.222	0.000	0.000	338.900	8571.000	9170.000	103%	-0.084
2	18:35:14	1012.000	-3.614	0.000	0.000	336.900	8747.000	9093.000	103%	-0.084
3	18:36:22	1032.000	-7.796	0.000	0.000	343.500	8812.000	9154.000	102%	-0.083
x		1021.000	-5.544	0.000	0.000	339.800	8710.000	9139.000	102%	-0.083
σ		10.110	2.110	0.000	0.000	3.401	124.800	40.550	1%	0.001
%RSD		0.990	38.050	0.000	0.000	1.001	1.432	0.444	1	0.895

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	0.699	22.160	25.240	-2.003	-0.199	-3.304	5.401	-0.106	0.154
2	18:35:14	0.453	22.700	24.760	-0.541	-0.196	-2.379	5.379	-0.102	0.106
3	18:36:22	0.938	22.530	23.970	1.899	-0.202	-1.809	11.120	-0.108	0.144
x		0.697	22.460	24.660	-0.215	-0.199	-2.497	7.301	-0.105	0.134
σ		0.243	0.276	0.642	1.972	0.003	0.755	3.310	0.003	0.025
%RSD		34.860	1.227	2.603	916.000	1.364	30.220	45.330	2.842	18.930

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	-0.083	-0.125	10.910	0.176	0.500	0.119	0.053	0.502	-0.367
2	18:35:14	-0.072	-0.101	11.120	0.335	0.551	0.065	0.751	0.552	-0.689
3	18:36:22	-0.111	-0.068	10.990	0.364	-0.037	0.081	0.204	-0.037	0.735
x		-0.089	-0.098	11.010	0.291	0.338	0.088	0.336	0.339	-0.107
σ		0.020	0.029	0.106	0.101	0.326	0.028	0.367	0.327	0.747
%RSD		22.770	29.300	0.960	34.720	96.400	31.350	109.300	96.330	696.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	-0.244	-0.127	-0.121	-0.112	-0.171	-0.004	98%	0.202	-0.082
2	18:35:14	-0.244	-0.085	-0.153	-0.113	-0.167	-0.004	98%	-0.605	-0.061
3	18:36:22	-0.258	-0.115	-0.104	-0.148	-0.155	-0.000	101%	0.589	-0.062
x		-0.249	-0.109	-0.126	-0.124	-0.164	-0.003	99%	0.062	-0.068
σ		0.008	0.022	0.025	0.020	0.008	0.003	2%	0.609	0.012
%RSD		3.221	19.800	19.810	16.360	4.906	86.200	2	985.300	17.150

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	-0.180	0.210	-0.089	-0.127	-0.179	-0.104	1.273	1.251	95%
2	18:35:14	0.231	-0.599	-0.073	-0.165	-0.183	-0.104	1.321	1.482	96%
3	18:36:22	-0.379	0.603	-0.088	-0.095	-0.236	-0.117	1.377	1.513	96%
x		-0.109	0.071	-0.083	-0.129	-0.199	-0.108	1.324	1.416	96%
σ		0.311	0.613	0.009	0.035	0.032	0.008	0.052	0.143	1%
%RSD		284.400	857.400	10.570	27.180	15.840	7.277	3.955	10.100	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	96%	-0.103	-0.115	-0.115	-0.098	-0.104	92%	0.139
2	18:35:14	97%	-0.113	-0.117	-0.089	-0.092	-0.091	94%	0.127
3	18:36:22	95%	-0.110	-0.112	-0.107	-0.097	-0.097	97%	0.103
x		96%	-0.108	-0.115	-0.104	-0.096	-0.097	94%	0.123
σ		1%	0.005	0.003	0.013	0.003	0.006	2%	0.018
%RSD		1	4.429	2.322	12.930	3.555	6.337	2	14.800

CCV 06/05/2011 06:40:53 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	18:42:01	99%	507.600	502.600	0.000	50500.000	51320.000	51450.000	50980.000	10060.000
2	18:43:09	97%	517.000	529.600	0.000	50860.000	51800.000	51710.000	52200.000	10260.000
3	18:44:17	99%	499.700	509.600	0.000	51270.000	51480.000	50620.000	51450.000	10090.000
x		98%	508.100	514.000	0.000	50880.000	51530.000	51260.000	51540.000	10140.000
σ		2%	8.673	14.030	0.000	387.400	244.900	567.800	613.800	108.700
%RSD		2	1.707	2.730	0.000	0.762	0.475	1.108	1.191	1.072
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:01	512.500	10070.000	0.000	0.000	25930.000	51750.000	49800.000	96%	498.200
2	18:43:09	517.900	10240.000	0.000	0.000	26000.000	51690.000	50640.000	96%	520.600
3	18:44:17	509.800	10120.000	0.000	0.000	26090.000	51590.000	51580.000	97%	513.800
x		513.400	10140.000	0.000	0.000	26000.000	51670.000	50670.000	96%	510.900
σ		4.111	86.280	0.000	0.000	78.530	79.120	888.400	0%	11.470
%RSD		0.801	0.851	0.000	0.000	0.302	0.153	1.753	0	2.245
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:01	510.700	511.900	15.400	26610.000	1021.000	25600.000	26010.000	511.000	512.600
2	18:43:09	501.200	506.600	21.830	27070.000	1043.000	26320.000	26270.000	516.000	522.100
3	18:44:17	513.200	519.400	11.750	26780.000	1031.000	26080.000	26340.000	523.500	516.800
x		508.400	512.700	16.330	26820.000	1032.000	26000.000	26210.000	516.800	517.200
σ		6.340	6.441	5.105	230.400	10.680	367.800	172.700	6.291	4.778
%RSD		1.247	1.256	31.270	0.859	1.035	1.415	0.659	1.217	0.924
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:01	1019.000	1017.000	1026.000	505.600	517.200	-1.245	516.000	517.600	2.120
2	18:43:09	1050.000	1024.000	1040.000	511.500	516.300	-0.855	523.300	516.500	0.842
3	18:44:17	1041.000	1035.000	1050.000	504.700	509.900	-0.238	518.600	509.900	0.452
x		1037.000	1025.000	1039.000	507.300	514.500	-0.779	519.300	514.700	1.138
σ		15.580	8.841	12.000	3.728	3.967	0.508	3.659	4.161	0.873
%RSD		1.503	0.862	1.155	0.735	0.771	65.170	0.705	0.808	76.680
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:01	497.800	491.200	498.900	497.800	504.700	-0.004	93%	505.300	511.100
2	18:43:09	506.100	506.600	515.700	513.200	510.300	0.005	93%	502.900	521.600
3	18:44:17	503.900	500.200	500.000	500.000	504.500	0.000	95%	512.900	516.900
x		502.600	499.400	504.900	503.700	506.500	0.000	94%	507.000	516.500
σ		4.284	7.733	9.372	8.329	3.313	0.005	1%	5.230	5.247
%RSD		0.852	1.549	1.856	1.654	0.654	1555.000	1	1.032	1.016
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:01	11.000	505.300	507.400	513.700	516.800	512.400	2518.000	2523.000	94%
2	18:43:09	21.460	502.500	517.400	518.900	518.100	510.800	2506.000	2541.000	96%
3	18:44:17	8.464	513.300	515.100	519.600	516.300	518.300	2544.000	2578.000	93%
x		13.640	507.000	513.300	517.400	517.000	513.800	2523.000	2547.000	94%
σ		6.890	5.630	5.261	3.237	0.922	3.975	19.480	28.270	1%
%RSD		50.500	1.110	1.025	0.626	0.178	0.774	0.772	1.110	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	18:42:01	95%	511.200	501.800	504.800	503.200	504.700	91%	502.700	
2	18:43:09	95%	505.700	504.700	509.900	504.100	503.700	92%	497.700	
3	18:44:17	94%	513.500	506.100	508.300	511.100	512.000	91%	517.000	
x		95%	510.100	504.200	507.700	506.100	506.800	91%	505.800	
σ		1%	4.049	2.215	2.627	4.310	4.533	1%	10.010	
%RSD		1	0.794	0.439	0.517	0.852	0.894	1	1.979	

CCB 06/05/2011 06:48:46 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	18:49:55	101%	-0.087	10.100	0.000	14.400	2.212	3.136	2.203	-2.552
2	18:51:03	103%	-0.027	7.635	0.000	25.050	8.336	9.425	9.327	-1.556
3	18:52:11	102%	0.190	9.006	0.000	47.040	27.070	28.340	25.720	1.635
x		102%	0.025	8.914	0.000	28.830	12.540	13.630	12.420	-0.824
σ		1%	0.145	1.235	0.000	16.640	12.950	13.120	12.060	2.187
%RSD		1	573.400	13.860	0.000	57.730	103.300	96.230	97.110	265.300
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:55	1.816	-0.605	0.000	0.000	4.727	11.280	2.018	99%	-0.010
2	18:51:03	2.421	3.652	0.000	0.000	10.480	29.420	11.960	98%	0.203
3	18:52:11	3.070	4.196	0.000	0.000	17.130	40.530	37.780	99%	0.272
x		2.436	2.414	0.000	0.000	10.780	27.080	17.250	99%	0.155
σ		0.627	2.629	0.000	0.000	6.208	14.770	18.460	1%	0.147
%RSD		25.760	108.900	0.000	0.000	57.590	54.530	107.000	1	94.930
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:55	-0.633	0.036	12.040	-2.172	0.045	-0.962	-1.203	0.070	0.084
2	18:51:03	0.188	0.146	10.550	1.583	0.255	3.766	0.884	0.127	0.055
3	18:52:11	0.075	0.291	10.710	9.331	0.556	10.740	9.079	0.297	0.322
x		-0.123	0.158	11.100	2.914	0.285	4.514	2.920	0.165	0.154
σ		0.445	0.128	0.821	5.866	0.257	5.885	5.435	0.118	0.146
%RSD		361.100	81.200	7.393	201.300	89.990	130.400	186.100	71.890	95.160
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:55	0.145	0.086	-0.443	0.327	0.241	0.029	-0.481	0.241	0.355
2	18:51:03	0.253	0.144	-0.402	0.293	0.020	0.035	0.158	0.020	-0.032
3	18:52:11	0.599	0.515	0.262	0.501	0.678	0.029	0.757	0.677	-0.590
x		0.333	0.248	-0.194	0.374	0.313	0.031	0.145	0.313	-0.089
σ		0.237	0.233	0.396	0.112	0.335	0.003	0.619	0.334	0.475
%RSD		71.350	93.740	203.400	29.810	107.000	10.750	427.500	106.900	534.000
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:55	0.419	0.552	0.705	0.392	0.531	0.005	96%	1.632	0.328
2	18:51:03	0.342	0.458	0.377	0.388	0.315	-0.004	99%	1.174	0.411
3	18:52:11	0.290	0.525	0.457	0.523	0.454	-0.004	97%	-0.633	0.563
x		0.350	0.512	0.513	0.434	0.433	-0.001	97%	0.724	0.434
σ		0.065	0.049	0.171	0.076	0.110	0.005	1%	1.198	0.119
%RSD		18.640	9.519	33.340	17.590	25.330	396.700	1	165.400	27.490
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:55	-0.751	1.636	0.303	0.131	0.543	0.657	0.296	0.467	95%
2	18:51:03	-0.455	1.191	0.375	0.188	0.412	0.540	0.639	0.654	94%
3	18:52:11	0.473	-0.630	0.515	0.161	0.480	0.515	1.084	1.292	96%
x		-0.245	0.733	0.398	0.160	0.478	0.571	0.673	0.805	95%
σ		0.639	1.201	0.108	0.029	0.066	0.076	0.395	0.433	1%
%RSD		261.000	163.900	27.170	17.850	13.760	13.260	58.680	53.760	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	18:49:55	94%	0.114	0.101	0.038	0.079	0.050	94%	0.081	
2	18:51:03	94%	0.180	0.191	0.086	0.112	0.101	93%	0.124	
3	18:52:11	95%	0.267	0.279	0.298	0.262	0.283	93%	0.243	
x		94%	0.187	0.191	0.141	0.151	0.145	93%	0.149	
σ		1%	0.077	0.089	0.138	0.097	0.122	1%	0.084	
%RSD		1	41.110	46.750	98.430	64.570	84.690	1	56.280	

C2362-10 MJDX45 06/05/2011 06:56:40 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	18:57:48	92%	-0.135	6.754	0.000	13110.000	7976.000	7830.000	7956.000	-2.343
2	18:58:56	91%	-0.158	6.800	0.000	13180.000	7912.000	7628.000	7804.000	-2.464
3	19:00:05	91%	-0.237	6.104	0.000	12790.000	7786.000	7657.000	7804.000	-3.142
x		91%	-0.177	6.553	0.000	13030.000	7891.000	7705.000	7855.000	-2.650
σ		0%	0.054	0.389	0.000	206.900	96.260	108.700	87.560	0.430
%RSD		0	30.340	5.938	0.000	1.588	1.220	1.410	1.115	16.250

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:48	12120.000	9.832	0.000	0.000	1613.000	30950.000	33440.000	92%	0.759
2	18:58:56	12120.000	7.604	0.000	0.000	1616.000	30390.000	33220.000	92%	0.606
3	19:00:05	12070.000	2.735	0.000	0.000	1619.000	30480.000	32760.000	92%	0.759
x		12100.000	6.724	0.000	0.000	1616.000	30610.000	33140.000	92%	0.708
σ		29.050	3.629	0.000	0.000	2.962	301.000	345.500	0%	0.089
%RSD		0.240	53.980	0.000	0.000	0.183	0.984	1.043	0	12.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:48	-2.630	0.604	201.700	187.600	30.630	195.600	230.200	-0.009	0.316
2	18:58:56	-7.207	0.651	221.300	185.100	30.260	190.100	232.000	-0.022	0.199
3	19:00:05	-4.886	0.642	227.600	176.800	30.260	194.300	229.800	-0.050	0.117
x		-4.907	0.632	216.900	183.100	30.380	193.300	230.700	-0.027	0.210
σ		2.289	0.025	13.500	5.645	0.214	2.886	1.155	0.021	0.100
%RSD		46.640	3.937	6.226	3.082	0.705	1.493	0.501	77.290	47.570

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:48	0.484	0.540	5.292	0.304	-0.025	0.888	-0.253	-0.025	0.730
2	18:58:56	0.462	0.484	5.573	1.209	-0.084	0.866	-0.265	-0.084	-0.575
3	19:00:05	0.486	0.390	6.106	0.788	0.453	1.017	-0.476	0.454	-0.839
x		0.477	0.472	5.657	0.767	0.114	0.924	-0.331	0.115	-0.228
σ		0.014	0.076	0.413	0.453	0.294	0.082	0.126	0.295	0.840
%RSD		2.834	16.050	7.308	59.090	257.100	8.832	37.910	256.500	368.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:48	0.931	0.867	0.525	0.709	0.685	-0.004	91%	-1.301	-0.026
2	18:58:56	0.484	0.826	0.871	0.762	0.685	-0.004	90%	-1.030	-0.023
3	19:00:05	0.472	0.563	0.863	0.918	0.665	-0.004	88%	-2.442	0.004
x		0.629	0.752	0.753	0.796	0.678	-0.004	90%	-1.591	-0.015
σ		0.262	0.165	0.197	0.109	0.012	0.000	1%	0.749	0.017
%RSD		41.640	21.950	26.220	13.660	1.729	0.000	1	47.100	109.600

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:48	0.667	-1.299	-0.025	-0.050	0.132	0.102	1.020	0.999	90%
2	18:58:56	0.774	-1.028	-0.030	-0.092	0.020	0.097	1.010	0.842	89%
3	19:00:05	1.416	-2.444	-0.038	-0.194	0.102	0.078	0.869	0.840	89%
x		0.952	-1.590	-0.031	-0.112	0.085	0.092	0.967	0.894	89%
σ		0.405	0.751	0.007	0.074	0.058	0.013	0.084	0.091	1%
%RSD		42.550	47.250	21.530	65.990	68.360	13.860	8.726	10.210	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:48	89%	0.051	0.022	0.060	0.060	0.073	89%	0.069
2	18:58:56	88%	0.009	-0.009	0.103	0.065	0.064	88%	0.058
3	19:00:05	88%	-0.052	-0.044	0.009	-0.024	-0.001	86%	0.022
x		88%	0.003	-0.010	0.057	0.034	0.045	88%	0.050
σ		1%	0.052	0.033	0.047	0.050	0.040	2%	0.024
%RSD		1	1797.000	325.500	81.590	147.300	88.370	2	48.770

C2362-11 MJDX46 06/05/2011 07:04:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:41	88%	-0.176	13.570	0.000	8300.000	9106.000	9196.000	8934.000	0.685
2	19:06:49	88%	-0.192	12.610	0.000	8266.000	9038.000	8998.000	8779.000	1.331
3	19:07:57	87%	-0.191	13.850	0.000	8084.000	8876.000	8931.000	8600.000	0.854
x		88%	-0.187	13.340	0.000	8217.000	9007.000	9041.000	8771.000	0.957
σ		1%	0.009	0.654	0.000	116.200	118.000	137.900	167.200	0.335
%RSD		1	4.757	4.898	0.000	1.414	1.310	1.525	1.906	34.990

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:41	13560.000	-14.540	0.000	0.000	2343.000	32910.000	35210.000	86%	1.433
2	19:06:49	13830.000	-13.680	0.000	0.000	2342.000	32500.000	34740.000	85%	1.237
3	19:07:57	13590.000	-12.400	0.000	0.000	2225.000	31720.000	34370.000	87%	1.521
x		13660.000	-13.540	0.000	0.000	2304.000	32380.000	34770.000	86%	1.397
σ		149.500	1.076	0.000	0.000	68.120	601.700	421.000	1%	0.145
%RSD		1.095	7.951	0.000	0.000	2.957	1.858	1.211	1	10.410

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:41	-10.280	0.993	249.700	80.220	8.094	92.930	131.600	0.186	2.121
2	19:06:49	-5.010	0.917	255.700	78.680	8.176	94.600	131.000	0.239	2.073
3	19:07:57	-6.202	0.932	257.700	74.500	7.607	88.970	128.000	0.225	2.094
x		-7.165	0.947	254.400	77.800	7.959	92.170	130.200	0.217	2.096
σ		2.765	0.040	4.133	2.957	0.308	2.894	1.946	0.027	0.024
%RSD		38.590	4.256	1.625	3.801	3.866	3.140	1.494	12.500	1.156

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:41	22.940	22.500	1596.000	1.796	0.915	0.965	-0.607	0.913	-1.359
2	19:06:49	22.450	23.500	1636.000	1.579	0.426	1.027	-1.285	0.426	1.192
3	19:07:57	22.640	22.610	1590.000	1.816	0.364	1.027	-0.664	0.367	3.044
x		22.680	22.870	1607.000	1.730	0.569	1.006	-0.852	0.568	0.959
σ		0.249	0.551	25.250	0.131	0.302	0.036	0.376	0.300	2.211
%RSD		1.099	2.412	1.571	7.590	53.110	3.594	44.150	52.760	230.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:41	0.609	0.368	0.359	0.503	0.483	-0.004	86%	-1.696	-0.001
2	19:06:49	0.587	0.454	0.425	0.677	0.504	-0.004	84%	-1.178	0.004
3	19:07:57	0.414	0.349	0.514	0.415	0.468	-0.004	82%	-1.141	-0.027
x		0.537	0.390	0.433	0.532	0.485	-0.004	84%	-1.338	-0.008
σ		0.107	0.056	0.078	0.133	0.018	0.000	2%	0.310	0.016
%RSD		19.850	14.390	17.920	25.030	3.681	0.000	3	23.190	199.100

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:41	0.955	-1.689	-0.018	-0.116	-0.004	0.046	46.470	45.750	83%
2	19:06:49	0.698	-1.175	-0.021	-0.139	0.087	0.049	46.780	46.710	83%
3	19:07:57	0.684	-1.140	-0.044	-0.045	-0.034	0.037	46.350	45.680	82%
x		0.779	-1.335	-0.028	-0.100	0.016	0.044	46.540	46.050	83%
σ		0.152	0.308	0.014	0.049	0.063	0.006	0.222	0.578	1%
%RSD		19.570	23.040	51.170	48.930	387.400	13.700	0.476	1.255	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:41	83%	-0.007	-0.019	1.693	1.450	1.600	82%	0.309
2	19:06:49	83%	-0.038	-0.048	1.639	1.434	1.571	80%	0.337
3	19:07:57	81%	-0.054	-0.049	1.559	1.498	1.559	79%	0.310
x		82%	-0.033	-0.038	1.630	1.460	1.577	80%	0.319
σ		1%	0.024	0.017	0.067	0.033	0.021	1%	0.016
%RSD		2	72.740	44.490	4.123	2.273	1.327	2	5.097

C2362-12 MJDX47 06/05/2011 07:12:27 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	19:13:35	89%	-0.251	4.833	0.000	26290.000	2315.000	2276.000	2307.000	-2.737
2	19:14:43	89%	-0.218	6.166	0.000	25470.000	2197.000	2180.000	2220.000	-2.930
3	19:15:52	88%	-0.251	5.891	0.000	25910.000	2228.000	2241.000	2243.000	-2.979
x		89%	-0.240	5.630	0.000	25890.000	2246.000	2232.000	2257.000	-2.882
σ		0%	0.019	0.704	0.000	411.900	61.070	48.360	44.660	0.128
%RSD		0	7.812	12.500	0.000	1.591	2.718	2.167	1.979	4.439

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:35	8365.000	-8.887	0.000	0.000	870.400	27830.000	30360.000	85%	0.840
2	19:14:43	8134.000	-14.110	0.000	0.000	827.800	27280.000	29240.000	88%	0.605
3	19:15:52	8273.000	-9.551	0.000	0.000	852.400	27670.000	29870.000	87%	0.539
x		8257.000	-10.850	0.000	0.000	850.200	27590.000	29820.000	86%	0.661
σ		116.400	2.843	0.000	0.000	21.390	282.900	562.200	2%	0.158
%RSD		1.410	26.200	0.000	0.000	2.516	1.025	1.885	2	23.920

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:35	-5.816	0.764	252.800	-8.569	1.556	6.161	38.680	-0.030	0.322
2	19:14:43	-7.676	0.765	256.000	-12.540	1.407	2.796	34.830	-0.037	0.397
3	19:15:52	-6.361	0.898	269.800	-12.800	1.398	3.630	35.700	-0.057	0.289
x		-6.618	0.809	259.600	-11.300	1.454	4.195	36.400	-0.041	0.336
σ		0.956	0.077	9.054	2.370	0.089	1.752	2.019	0.014	0.055
%RSD		14.450	9.497	3.488	20.970	6.124	41.760	5.545	34.680	16.440

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:35	0.321	0.364	660.700	1.455	-0.652	1.044	0.079	-0.652	2.669
2	19:14:43	0.244	0.258	620.000	1.681	-0.018	1.059	-1.965	-0.018	1.481
3	19:15:52	0.302	0.290	636.600	1.504	0.105	1.071	-0.860	0.105	2.119
x		0.289	0.304	639.100	1.547	-0.188	1.058	-0.915	-0.188	2.090
σ		0.040	0.054	20.470	0.119	0.406	0.013	1.023	0.406	0.595
%RSD		13.950	17.910	3.203	7.675	215.800	1.267	111.800	216.100	28.450

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:35	2.799	2.617	2.983	2.582	2.921	-0.004	83%	-1.388	-0.007
2	19:14:43	2.822	2.950	3.019	2.713	2.782	-0.004	84%	-1.297	0.014
3	19:15:52	3.065	2.831	3.043	2.723	2.789	-0.004	86%	-2.534	-0.046
x		2.895	2.799	3.015	2.672	2.831	-0.004	84%	-1.740	-0.013
σ		0.147	0.169	0.030	0.078	0.078	0.000	1%	0.690	0.031
%RSD		5.082	6.038	0.993	2.937	2.759	0.000	2	39.640	241.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:35	0.720	-1.389	0.004	-0.064	-0.154	-0.009	3.056	3.077	84%
2	19:14:43	0.585	-1.296	-0.026	-0.071	-0.117	-0.047	2.765	2.610	83%
3	19:15:52	1.296	-2.530	-0.063	-0.155	-0.149	0.004	2.546	2.847	83%
x		0.867	-1.738	-0.028	-0.097	-0.140	-0.018	2.789	2.844	83%
σ		0.378	0.687	0.033	0.050	0.020	0.026	0.256	0.234	0%
%RSD		43.590	39.510	117.000	52.210	14.500	149.700	9.167	8.212	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:35	83%	-0.077	-0.076	0.872	0.782	0.830	81%	0.125
2	19:14:43	83%	-0.096	-0.097	0.857	0.683	0.744	83%	0.110
3	19:15:52	84%	-0.096	-0.101	0.738	0.740	0.747	83%	0.096
x		83%	-0.090	-0.091	0.822	0.735	0.774	83%	0.110
σ		1%	0.011	0.014	0.073	0.050	0.049	1%	0.014
%RSD		1	12.480	14.910	8.900	6.800	6.299	1	13.060

C2362-13 MJDX48 06/05/2011 07:20:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:30	92%	-0.229	5.157	0.000	3830.000	14300.000	14320.000	14450.000	-3.689
2	19:22:38	94%	-0.200	5.778	0.000	3767.000	14150.000	14240.000	13990.000	-3.822
3	19:23:46	94%	-0.255	5.552	0.000	3718.000	13830.000	13990.000	13980.000	-4.023
x		93%	-0.228	5.495	0.000	3771.000	14090.000	14190.000	14140.000	-3.845
σ		1%	0.027	0.314	0.000	55.980	237.000	176.600	266.400	0.168
%RSD		1	11.930	5.716	0.000	1.484	1.682	1.245	1.885	4.372

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:30	5714.000	-8.481	0.000	0.000	1793.000	32190.000	33600.000	89%	0.443
2	19:22:38	5687.000	-7.526	0.000	0.000	1750.000	31250.000	33630.000	90%	0.279
3	19:23:46	5673.000	-15.310	0.000	0.000	1700.000	30580.000	32570.000	92%	0.604
x		5691.000	-10.440	0.000	0.000	1748.000	31340.000	33270.000	90%	0.442
σ		20.620	4.245	0.000	0.000	46.300	808.700	602.700	2%	0.162
%RSD		0.362	40.670	0.000	0.000	2.650	2.580	1.812	2	36.750

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:30	-7.896	0.967	261.900	-13.450	0.281	-0.215	32.150	-0.104	0.103
2	19:22:38	-4.382	0.882	268.900	-13.280	0.235	-1.389	42.230	-0.096	0.131
3	19:23:46	-5.401	0.888	268.900	-17.540	0.168	-1.695	30.220	-0.097	0.104
x		-5.893	0.912	266.600	-14.760	0.228	-1.100	34.870	-0.099	0.113
σ		1.808	0.047	4.044	2.414	0.057	0.781	6.446	0.005	0.016
%RSD		30.680	5.169	1.517	16.360	25.110	71.020	18.490	4.751	14.250

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:30	0.526	0.438	25.980	4.107	0.344	1.055	-0.701	0.344	-0.757
2	19:22:38	0.531	0.651	26.190	3.758	0.397	1.115	-0.895	0.397	-1.158
3	19:23:46	0.487	0.576	24.370	3.539	0.857	1.158	-1.054	0.858	-1.889
x		0.515	0.555	25.510	3.801	0.532	1.110	-0.883	0.533	-1.268
σ		0.024	0.108	0.993	0.286	0.282	0.052	0.177	0.283	0.574
%RSD		4.638	19.470	3.891	7.526	53.040	4.650	20.010	53.100	45.240

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:30	0.373	0.533	0.567	0.605	0.472	-0.004	87%	-0.341	-0.057
2	19:22:38	0.553	0.335	0.499	0.557	0.553	0.001	88%	0.051	-0.042
3	19:23:46	0.593	0.443	0.391	0.350	0.490	-0.004	90%	-1.698	-0.043
x		0.506	0.437	0.486	0.504	0.505	-0.003	89%	-0.663	-0.047
σ		0.117	0.099	0.089	0.136	0.043	0.003	1%	0.918	0.008
%RSD		23.190	22.690	18.280	26.940	8.491	105.300	1	138.400	17.800

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:30	0.099	-0.339	-0.043	0.063	-0.128	0.042	26.360	26.560	87%
2	19:22:38	0.227	0.061	-0.051	-0.047	-0.121	0.038	25.560	27.030	85%
3	19:23:46	0.867	-1.691	-0.077	-0.060	-0.183	0.042	25.940	25.970	87%
x		0.398	-0.656	-0.057	-0.015	-0.144	0.041	25.950	26.520	86%
σ		0.411	0.918	0.018	0.068	0.034	0.002	0.403	0.531	1%
%RSD		103.400	139.900	31.580	465.700	23.710	4.928	1.553	2.002	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:30	85%	-0.109	-0.104	0.035	0.038	0.039	83%	1.892
2	19:22:38	86%	-0.115	-0.105	0.031	0.036	0.038	85%	1.850
3	19:23:46	86%	-0.105	-0.116	0.007	0.040	0.026	86%	1.862
x		86%	-0.110	-0.108	0.024	0.038	0.035	85%	1.868
σ		1%	0.005	0.007	0.015	0.002	0.007	1%	0.022
%RSD		1	4.533	6.317	60.780	5.082	21.000	2	1.165

C2362-14 MJDX49 06/05/2011 07:28:17 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	19:29:25	95%	-0.256	5.142	0.000	3708.000	14000.000	14170.000	14190.000	-4.290
2	19:30:33	95%	-0.270	4.220	0.000	3770.000	14400.000	14400.000	14040.000	-4.079
3	19:31:41	94%	-0.263	4.123	0.000	3745.000	14240.000	14330.000	14380.000	-4.185
x		95%	-0.263	4.495	0.000	3741.000	14210.000	14300.000	14200.000	-4.185
σ		1%	0.007	0.562	0.000	31.150	200.700	117.200	167.900	0.105
%RSD		1	2.831	12.510	0.000	0.833	1.412	0.820	1.182	2.517

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:25	5563.000	-11.710	0.000	0.000	1741.000	30780.000	32910.000	92%	0.421
2	19:30:33	5669.000	-12.220	0.000	0.000	1764.000	32000.000	33340.000	91%	0.503
3	19:31:41	5650.000	-13.840	0.000	0.000	1767.000	31510.000	32960.000	92%	0.342
x		5627.000	-12.590	0.000	0.000	1757.000	31430.000	33070.000	92%	0.422
σ		56.420	1.111	0.000	0.000	14.400	612.800	237.000	1%	0.080
%RSD		1.003	8.821	0.000	0.000	0.820	1.950	0.717	1	19.080

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:25	-7.643	0.911	262.000	-16.640	0.287	-0.990	30.250	-0.099	0.189
2	19:30:33	-7.205	0.930	284.400	-14.170	0.390	-1.392	33.250	-0.096	0.021
3	19:31:41	-11.300	1.039	291.700	-14.610	0.358	-1.007	31.630	-0.105	0.304
x		-8.717	0.960	279.400	-15.140	0.345	-1.130	31.710	-0.100	0.171
σ		2.251	0.069	15.480	1.321	0.052	0.227	1.505	0.005	0.142
%RSD		25.820	7.215	5.541	8.722	15.210	20.110	4.745	4.733	82.970

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:25	5.388	5.289	41.270	5.116	0.210	0.934	-0.564	0.210	-0.907
2	19:30:33	5.136	5.204	41.510	4.400	0.035	1.092	-0.220	0.035	0.448
3	19:31:41	5.167	4.834	41.560	4.541	0.386	1.094	-1.310	0.387	-0.572
x		5.230	5.109	41.440	4.686	0.210	1.040	-0.698	0.210	-0.344
σ		0.137	0.242	0.155	0.379	0.176	0.092	0.557	0.176	0.706
%RSD		2.620	4.735	0.373	8.096	83.560	8.831	79.840	83.590	205.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:25	0.575	0.501	0.429	0.444	0.406	-0.004	90%	-1.859	-0.028
2	19:30:33	0.607	0.451	0.517	0.581	0.560	0.001	90%	-0.664	-0.033
3	19:31:41	0.458	0.519	0.558	0.691	0.536	-0.004	90%	-1.245	-0.053
x		0.547	0.490	0.501	0.572	0.501	-0.003	90%	-1.256	-0.038
σ		0.078	0.036	0.066	0.124	0.083	0.003	0%	0.598	0.013
%RSD		14.300	7.246	13.090	21.650	16.550	102.700	0	47.580	34.620

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:25	1.111	-1.854	-0.077	0.085	-0.177	0.020	25.680	24.160	88%
2	19:30:33	0.505	-0.657	-0.057	0.125	-0.140	0.015	25.470	26.420	88%
3	19:31:41	0.802	-1.242	-0.065	0.050	-0.160	0.029	26.800	25.210	88%
x		0.806	-1.251	-0.066	0.087	-0.159	0.021	25.980	25.260	88%
σ		0.303	0.598	0.010	0.038	0.018	0.007	0.715	1.129	0%
%RSD		37.620	47.830	15.450	43.570	11.410	33.820	2.751	4.467	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:25	88%	-0.113	-0.108	0.283	0.220	0.227	85%	2.027
2	19:30:33	88%	-0.109	-0.113	0.189	0.216	0.212	87%	1.949
3	19:31:41	88%	-0.115	-0.118	0.249	0.200	0.234	87%	1.940
x		88%	-0.113	-0.113	0.240	0.212	0.225	87%	1.972
σ		0%	0.003	0.005	0.048	0.011	0.011	1%	0.048
%RSD		0	2.648	4.650	19.870	5.155	5.034	1	2.428

C2362-15 MJDX50 06/05/2011 07:36:12 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	92%	-0.246	8.886	0.000	7402.000	8908.000	9029.000	8984.000	-0.789
2	19:38:28	89%	-0.243	10.040	0.000	7649.000	9243.000	9119.000	9124.000	-0.996
3	19:39:36	91%	-0.245	8.416	0.000	7123.000	8711.000	8821.000	8702.000	-0.726
x		91%	-0.244	9.114	0.000	7392.000	8954.000	8990.000	8936.000	-0.837
σ		2%	0.001	0.836	0.000	263.200	268.800	152.800	214.700	0.141
%RSD		2	0.520	9.169	0.000	3.561	3.003	1.699	2.403	16.870

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	13700.000	-14.250	0.000	0.000	2326.000	32800.000	34910.000	89%	0.987
2	19:38:28	13910.000	-10.440	0.000	0.000	2357.000	33480.000	35420.000	88%	1.114
3	19:39:36	13100.000	-14.730	0.000	0.000	2252.000	31720.000	34080.000	90%	0.742
x		13570.000	-13.140	0.000	0.000	2312.000	32670.000	34800.000	89%	0.948
σ		420.500	2.352	0.000	0.000	53.960	886.600	675.800	1%	0.189
%RSD		3.099	17.900	0.000	0.000	2.334	2.714	1.942	1	19.970

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	-7.175	0.965	278.300	81.970	8.301	94.960	137.800	0.179	4.754
2	19:38:28	-11.180	0.965	300.500	79.830	8.465	98.310	128.600	0.193	4.140
3	19:39:36	-5.237	0.987	291.500	74.650	8.031	91.780	125.800	0.163	4.191
x		-7.864	0.972	290.100	78.810	8.265	95.020	130.800	0.178	4.362
σ		3.032	0.013	11.170	3.764	0.219	3.268	6.263	0.015	0.341
%RSD		38.550	1.336	3.850	4.775	2.652	3.440	4.790	8.426	7.812

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	22.500	22.790	1584.000	1.913	0.160	1.162	-0.205	0.160	1.611
2	19:38:28	22.890	22.960	1597.000	3.077	0.348	1.039	-0.509	0.348	0.323
3	19:39:36	22.280	22.260	1550.000	2.267	-0.264	1.189	-1.891	-0.264	0.615
x		22.560	22.670	1577.000	2.419	0.081	1.130	-0.868	0.082	0.850
σ		0.309	0.364	23.950	0.597	0.314	0.080	0.898	0.314	0.675
%RSD		1.369	1.607	1.519	24.680	385.000	7.056	103.500	384.800	79.460

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	0.439	0.380	0.341	0.426	0.299	-0.004	88%	-1.573	-0.044
2	19:38:28	0.353	0.373	0.386	0.373	0.435	-0.004	86%	-2.211	-0.046
3	19:39:36	0.363	0.345	0.339	0.332	0.359	-0.004	87%	-2.462	-0.044
x		0.385	0.366	0.355	0.377	0.364	-0.004	87%	-2.082	-0.045
σ		0.047	0.018	0.026	0.047	0.068	0.000	1%	0.458	0.001
%RSD		12.200	4.947	7.428	12.580	18.690	0.000	1	22.020	2.963

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	0.725	-1.572	-0.059	-0.125	-0.198	-0.071	45.840	47.010	87%
2	19:38:28	1.135	-2.214	-0.084	-0.192	-0.172	-0.080	47.510	46.500	88%
3	19:39:36	1.176	-2.460	-0.079	-0.143	-0.126	-0.064	47.090	46.470	85%
x		1.012	-2.082	-0.074	-0.153	-0.165	-0.072	46.810	46.660	87%
σ		0.250	0.459	0.013	0.035	0.036	0.008	0.870	0.306	1%
%RSD		24.650	22.030	18.220	22.680	21.870	10.690	1.858	0.656	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:20	88%	-0.104	-0.116	1.466	1.563	1.526	88%	0.285
2	19:38:28	87%	-0.107	-0.121	1.559	1.524	1.542	86%	0.271
3	19:39:36	86%	-0.109	-0.116	1.627	1.462	1.537	86%	0.247
x		87%	-0.107	-0.118	1.551	1.517	1.535	87%	0.268
σ		1%	0.003	0.003	0.081	0.051	0.009	1%	0.019
%RSD		1	2.596	2.452	5.200	3.353	0.555	1	7.178

C2362-07 MJDX44 06/05/2011 07:44:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:15	86%	-0.299	2.276	0.000	15700.000	4216.000	4121.000	4176.000	-4.231
2	19:46:24	80%	-0.262	2.657	0.000	15790.000	4155.000	4026.000	4150.000	-4.313
3	19:47:32	70%	-0.265	3.843	0.000	16400.000	4321.000	4271.000	4286.000	-4.314
x		79%	-0.275	2.925	0.000	15960.000	4230.000	4140.000	4204.000	-4.286
σ		8%	0.021	0.817	0.000	382.600	83.900	123.400	72.340	0.048
%RSD		10	7.591	27.940	0.000	2.397	1.983	2.981	1.721	1.114

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:15	11990.000	-8.526	0.000	0.000	1757.000	27200.000	28820.000	81%	0.591
2	19:46:24	11740.000	-7.467	0.000	0.000	1698.000	26810.000	28530.000	79%	0.658
3	19:47:32	12090.000	-8.835	0.000	0.000	1701.000	26450.000	28330.000	68%	0.906
x		11940.000	-8.276	0.000	0.000	1719.000	26820.000	28560.000	76%	0.718
σ		174.900	0.717	0.000	0.000	33.690	377.700	243.600	7%	0.166
%RSD		1.465	8.665	0.000	0.000	1.960	1.408	0.853	9	23.080

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:15	-11.510	0.853	284.700	10.800	18.020	23.920	53.720	-0.119	0.047
2	19:46:24	-10.280	0.843	295.900	14.830	17.660	23.790	51.270	-0.095	0.106
3	19:47:32	-17.760	0.923	328.900	10.010	18.570	26.180	59.290	-0.119	0.203
x		-13.180	0.873	303.200	11.880	18.080	24.630	54.760	-0.111	0.118
σ		4.010	0.043	22.960	2.587	0.458	1.346	4.112	0.014	0.079
%RSD		30.420	4.979	7.574	21.780	2.533	5.465	7.508	12.470	66.520

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:15	3.579	3.533	131.900	1.581	0.060	1.150	-0.129	0.061	0.145
2	19:46:24	3.588	3.758	131.500	2.148	-0.931	1.230	-0.179	-0.936	4.142
3	19:47:32	4.026	3.657	140.100	2.267	0.379	1.340	-0.945	0.385	-0.239
x		3.731	3.649	134.500	1.998	-0.164	1.240	-0.418	-0.163	1.350
σ		0.255	0.113	4.852	0.366	0.683	0.096	0.457	0.689	2.426
%RSD		6.846	3.094	3.608	18.340	416.300	7.730	109.500	421.900	179.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:15	1.125	1.500	1.669	1.544	1.467	-0.004	77%	-1.848	-0.082
2	19:46:24	1.317	1.657	1.419	1.635	1.487	0.002	71%	-1.677	-0.074
3	19:47:32	1.501	1.524	1.795	1.359	1.533	0.003	57%	-2.078	-0.070
x		1.314	1.560	1.628	1.513	1.496	0.000	69%	-1.867	-0.075
σ		0.188	0.084	0.192	0.140	0.034	0.004	10%	0.201	0.006
%RSD		14.280	5.397	11.760	9.276	2.268	1994.000	15	10.770	7.931

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:15	0.958	-1.844	-0.095	-0.221	-0.150	-0.090	0.010	-0.025	76%
2	19:46:24	0.779	-1.679	-0.085	-0.224	-0.168	-0.105	0.094	0.062	72%
3	19:47:32	0.992	-2.098	-0.091	-0.183	-0.156	-0.117	0.057	0.022	63%
x		0.910	-1.874	-0.090	-0.209	-0.158	-0.104	0.054	0.020	70%
σ		0.114	0.211	0.005	0.023	0.009	0.014	0.042	0.044	6%
%RSD		12.570	11.270	5.918	10.890	5.774	13.150	78.050	223.100	9

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:15	76%	-0.113	-0.113	0.092	0.044	0.059	74%	0.005
2	19:46:24	72%	-0.112	-0.112	0.102	0.024	0.068	69%	-0.009
3	19:47:32	62%	-0.120	-0.113	0.039	0.038	0.040	55%	-0.021
x		70%	-0.115	-0.113	0.078	0.035	0.056	66%	-0.009
σ		7%	0.004	0.001	0.034	0.010	0.014	10%	0.013
%RSD		10	3.803	0.478	43.460	28.010	25.270	14	151.000

C2362-08 MJDX44D 06/05/2011 07:52:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:11	85%	-0.274	1.553	0.000	16300.000	4318.000	4312.000	4373.000	-1.755
2	19:54:19	88%	-0.284	1.555	0.000	15770.000	4155.000	4058.000	4179.000	-2.306
3	19:55:27	89%	-0.202	2.256	0.000	15320.000	4080.000	4012.000	4085.000	-2.520
x		87%	-0.253	1.788	0.000	15790.000	4184.000	4127.000	4212.000	-2.193
σ		2%	0.044	0.406	0.000	494.000	122.100	161.800	147.100	0.395
%RSD		3	17.510	22.690	0.000	3.127	2.918	3.919	3.492	18.000

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:11	12580.000	0.103	0.000	0.000	1854.000	28410.000	30380.000	82%	1.007
2	19:54:19	11770.000	0.766	0.000	0.000	1777.000	26970.000	28780.000	87%	1.218
3	19:55:27	11440.000	-3.276	0.000	0.000	1745.000	26710.000	28280.000	88%	0.847
x		11930.000	-0.802	0.000	0.000	1792.000	27360.000	29150.000	85%	1.024
σ		589.200	2.168	0.000	0.000	55.890	913.000	1099.000	3%	0.186
%RSD		4.939	270.200	0.000	0.000	3.118	3.337	3.771	4	18.130

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:11	-8.892	0.903	308.600	10.800	20.990	28.550	58.550	-0.114	0.212
2	19:54:19	-7.304	0.989	309.600	8.271	19.450	25.100	56.750	-0.104	0.112
3	19:55:27	-5.883	1.022	311.200	7.223	19.760	24.860	53.450	-0.115	0.199
x		-7.359	0.971	309.800	8.764	20.070	26.170	56.250	-0.111	0.175
σ		1.505	0.061	1.342	1.838	0.813	2.067	2.586	0.007	0.054
%RSD		20.450	6.324	0.433	20.970	4.051	7.899	4.597	5.911	31.150

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:11	3.843	3.559	140.100	0.960	-0.009	1.414	-1.025	-0.008	0.842
2	19:54:19	3.308	3.648	134.300	0.191	-0.270	1.519	-1.330	-0.270	0.894
3	19:55:27	3.576	3.422	131.100	2.364	-0.521	1.158	-0.957	-0.521	2.966
x		3.576	3.543	135.200	1.171	-0.266	1.364	-1.104	-0.267	1.567
σ		0.268	0.114	4.540	1.102	0.256	0.186	0.199	0.257	1.212
%RSD		7.485	3.203	3.358	94.060	96.080	13.610	18.020	96.270	77.320

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:11	1.781	1.639	2.032	1.579	1.852	-0.004	78%	-1.518	-0.070
2	19:54:19	1.503	1.684	1.580	1.679	1.675	-0.004	82%	-1.295	-0.085
3	19:55:27	1.458	1.484	1.367	1.846	1.449	-0.004	83%	-1.737	-0.061
x		1.581	1.602	1.660	1.701	1.659	-0.004	81%	-1.517	-0.072
σ		0.175	0.105	0.340	0.135	0.202	0.000	3%	0.221	0.012
%RSD		11.080	6.556	20.460	7.936	12.190	0.000	3	14.560	17.090

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:11	0.790	-1.516	-0.081	-0.155	-0.171	-0.097	0.227	0.251	77%
2	19:54:19	0.672	-1.292	-0.083	-0.112	-0.181	-0.099	0.268	0.190	81%
3	19:55:27	0.897	-1.738	-0.086	-0.195	-0.170	-0.099	0.097	0.108	83%
x		0.786	-1.515	-0.083	-0.154	-0.174	-0.098	0.197	0.183	80%
σ		0.113	0.223	0.002	0.042	0.006	0.001	0.089	0.072	3%
%RSD		14.340	14.720	2.711	27.010	3.621	1.090	45.040	39.280	4

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:11	77%	-0.113	-0.115	0.070	0.103	0.100	74%	0.016
2	19:54:19	82%	-0.120	-0.114	0.066	0.103	0.084	81%	-0.004
3	19:55:27	83%	-0.116	-0.111	0.052	0.056	0.071	81%	0.011
x		81%	-0.117	-0.113	0.063	0.087	0.085	79%	0.008
σ		3%	0.004	0.002	0.009	0.027	0.014	4%	0.010
%RSD		4	3.228	1.684	15.020	30.980	16.660	5	136.600

C2362-09 MJDX44S 06/05/2011 07:59:59 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:07	87%	49.600	2.472	0.000	15840.000	4171.000	4152.000	4243.000	1944.000
2	20:02:15	87%	50.580	3.240	0.000	15940.000	4195.000	4210.000	4222.000	1930.000
3	20:03:24	88%	49.760	4.211	0.000	15830.000	4125.000	4101.000	4108.000	1922.000
x		88%	49.980	3.307	0.000	15870.000	4164.000	4154.000	4191.000	1932.000
σ		1%	0.525	0.871	0.000	61.180	35.430	54.570	72.600	11.310
%RSD		1	1.051	26.340	0.000	0.386	0.851	1.314	1.732	0.585

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:07	12100.000	3.812	0.000	0.000	1824.000	27290.000	29110.000	85%	0.922
2	20:02:15	11980.000	4.514	0.000	0.000	1807.000	27310.000	29080.000	85%	0.996
3	20:03:24	11940.000	0.098	0.000	0.000	1762.000	26830.000	28260.000	86%	0.820
x		12010.000	2.808	0.000	0.000	1797.000	27150.000	28820.000	86%	0.913
σ		82.420	2.373	0.000	0.000	31.960	271.900	485.200	1%	0.088
%RSD		0.687	84.510	0.000	0.000	1.778	1.002	1.684	1	9.649

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:07	467.900	192.900	343.000	1068.000	506.900	1024.000	1079.000	500.400	500.100
2	20:02:15	462.000	191.500	356.200	1082.000	502.600	1008.000	1049.000	488.000	493.400
3	20:03:24	455.100	189.800	363.300	1043.000	486.800	979.800	1029.000	481.300	495.300
x		461.700	191.400	354.200	1065.000	498.800	1004.000	1052.000	489.900	496.200
σ		6.398	1.576	10.280	19.630	10.590	22.450	25.260	9.683	3.440
%RSD		1.386	0.824	2.903	1.844	2.122	2.236	2.400	1.977	0.693

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:07	258.100	256.600	643.400	42.490	9.640	1.382	7.999	9.652	1.327
2	20:02:15	255.200	248.000	635.900	43.640	9.510	1.285	10.690	9.521	1.282
3	20:03:24	247.500	245.800	622.900	42.460	11.280	1.345	8.854	11.290	1.553
x		253.600	250.100	634.100	42.860	10.140	1.338	9.181	10.150	1.387
σ		5.488	5.701	10.380	0.673	0.984	0.049	1.376	0.985	0.145
%RSD		2.164	2.279	1.638	1.570	9.706	3.671	14.980	9.703	10.440

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:07	1.416	1.802	1.856	1.815	1.446	0.001	82%	49.300	47.200
2	20:02:15	1.492	1.561	1.605	1.747	1.640	-0.004	82%	46.770	46.020
3	20:03:24	1.741	1.380	1.453	1.577	1.768	-0.004	83%	46.110	46.520
x		1.550	1.581	1.638	1.713	1.618	-0.003	82%	47.390	46.580
σ		0.170	0.212	0.204	0.123	0.162	0.003	1%	1.684	0.589
%RSD		10.960	13.390	12.420	7.163	10.030	120.000	1	3.553	1.264

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:07	3.976	49.310	47.410	49.540	-0.129	93.450	1877.000	1862.000	82%
2	20:02:15	4.011	46.800	46.280	49.770	-0.108	92.650	1888.000	1851.000	81%
3	20:03:24	0.491	46.180	45.910	48.020	-0.161	93.240	1821.000	1814.000	81%
x		2.826	47.430	46.530	49.110	-0.133	93.110	1862.000	1842.000	81%
σ		2.022	1.656	0.779	0.948	0.027	0.412	35.880	24.970	1%
%RSD		71.560	3.491	1.675	1.931	20.080	0.442	1.927	1.355	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:07	82%	45.540	45.030	19.760	18.690	19.100	80%	0.018
2	20:02:15	81%	45.900	45.220	18.960	18.080	18.660	81%	0.013
3	20:03:24	81%	44.900	44.520	19.610	18.270	18.710	81%	-0.003
x		82%	45.450	44.920	19.440	18.350	18.830	81%	0.009
σ		0%	0.503	0.363	0.427	0.313	0.238	0%	0.011
%RSD		0	1.106	0.807	2.194	1.707	1.264	1	116.300

C2362-07LX5 MJDX44L 06/05/2011 08:07:56 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	20:09:04	92%	-0.261	0.656	0.000	3161.000	828.700	814.300	815.600	-3.868
2	20:10:13	92%	-0.254	0.344	0.000	3105.000	812.800	811.200	797.200	-3.907
3	20:11:21	93%	-0.238	0.924	0.000	3171.000	821.600	824.200	820.100	-3.580
x		92%	-0.251	0.641	0.000	3145.000	821.000	816.600	811.000	-3.785
σ		0%	0.012	0.290	0.000	35.480	7.964	6.768	12.120	0.179
%RSD		0	4.661	45.270	0.000	1.128	0.970	0.829	1.495	4.721
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:04	2488.000	1.197	0.000	0.000	360.500	5532.000	5873.000	89%	0.014
2	20:10:13	2404.000	-1.315	0.000	0.000	342.200	5370.000	5745.000	91%	-0.105
3	20:11:21	2413.000	2.308	0.000	0.000	348.800	5591.000	5784.000	92%	-0.031
x		2435.000	0.730	0.000	0.000	350.500	5498.000	5800.000	91%	-0.041
σ		46.050	1.856	0.000	0.000	9.284	114.500	65.650	2%	0.060
%RSD		1.891	254.200	0.000	0.000	2.649	2.082	1.132	2	146.700
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:04	-1.377	0.297	98.040	-7.798	3.649	2.982	3.996	0.076	0.080
2	20:10:13	-2.358	0.323	95.410	-8.697	3.439	0.635	1.571	0.117	0.190
3	20:11:21	-2.822	0.290	92.560	-11.730	3.545	1.236	1.891	0.126	0.219
x		-2.186	0.303	95.340	-9.407	3.544	1.618	2.486	0.106	0.163
σ		0.738	0.017	2.740	2.058	0.105	1.219	1.317	0.027	0.074
%RSD		33.750	5.755	2.874	21.880	2.952	75.350	52.990	25.040	45.140
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:04	0.710	0.823	26.960	0.942	0.342	0.385	-1.139	0.342	-0.775
2	20:10:13	0.556	0.763	24.950	0.257	-0.260	0.440	-0.769	-0.260	0.073
3	20:11:21	0.685	0.501	24.820	-0.047	-0.143	0.479	-0.939	-0.143	1.045
x		0.650	0.696	25.580	0.384	-0.020	0.434	-0.949	-0.020	0.114
σ		0.083	0.171	1.204	0.506	0.319	0.047	0.185	0.319	0.911
%RSD		12.720	24.650	4.706	131.900	1566.000	10.890	19.510	1585.000	797.400
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:04	0.110	0.246	0.183	0.151	0.169	-0.004	88%	-2.036	-0.065
2	20:10:13	0.002	0.177	0.191	0.138	0.100	-0.004	91%	-0.727	-0.066
3	20:11:21	-0.012	0.146	0.128	0.114	0.160	0.005	91%	-2.231	-0.041
x		0.033	0.190	0.167	0.134	0.143	-0.001	90%	-1.664	-0.057
σ		0.066	0.051	0.034	0.019	0.038	0.006	2%	0.818	0.014
%RSD		199.100	26.820	20.400	13.980	26.490	486.600	2	49.130	24.650
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:04	0.958	-2.030	-0.056	-0.204	-0.241	-0.050	0.538	0.622	85%
2	20:10:13	0.453	-0.718	-0.068	-0.179	-0.248	-0.032	0.304	0.479	88%
3	20:11:21	1.218	-2.225	-0.068	-0.256	-0.197	-0.064	0.677	0.601	88%
x		0.876	-1.658	-0.064	-0.213	-0.229	-0.049	0.506	0.567	87%
σ		0.389	0.820	0.007	0.039	0.028	0.016	0.189	0.077	2%
%RSD		44.390	49.430	10.810	18.500	12.180	32.630	37.290	13.600	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	20:09:04	85%	0.086	0.079	-0.077	-0.068	-0.070	84%	-0.080	
2	20:10:13	91%	0.006	0.025	-0.084	-0.056	-0.077	88%	-0.081	
3	20:11:21	87%	-0.000	0.014	-0.086	-0.090	-0.076	87%	-0.078	
x		88%	0.030	0.039	-0.082	-0.071	-0.074	87%	-0.080	
σ		3%	0.048	0.035	0.005	0.017	0.004	2%	0.002	
%RSD		3	159.000	89.410	6.151	24.400	5.072	2	2.118	

CCV 06/05/2011 08:15:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:00	93%	512.300	518.600	0.000	50170.000	50500.000	51030.000	50850.000	10040.000
2	20:18:08	95%	510.700	519.500	0.000	50950.000	51570.000	51230.000	50700.000	10210.000
3	20:19:16	95%	507.600	529.300	0.000	50300.000	51220.000	50700.000	50200.000	10080.000
x		94%	510.200	522.500	0.000	50470.000	51100.000	50990.000	50580.000	10110.000
σ		1%	2.391	5.919	0.000	414.300	545.700	266.700	344.600	91.870
%RSD		1	0.469	1.133	0.000	0.821	1.068	0.523	0.681	0.909
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:00	520.100	9969.000	0.000	0.000	25320.000	51100.000	49880.000	92%	507.500
2	20:18:08	524.800	10160.000	0.000	0.000	25750.000	52550.000	50940.000	90%	507.900
3	20:19:16	524.000	9956.000	0.000	0.000	25870.000	53040.000	49840.000	90%	513.600
x		523.000	10030.000	0.000	0.000	25650.000	52230.000	50220.000	91%	509.700
σ		2.518	113.900	0.000	0.000	292.300	1011.000	625.600	1%	3.409
%RSD		0.482	1.136	0.000	0.000	1.140	1.936	1.246	1	0.669
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:00	508.000	503.400	33.650	26250.000	996.100	25300.000	25570.000	501.100	508.600
2	20:18:08	515.600	517.100	29.590	26770.000	1019.000	26140.000	26450.000	525.600	527.700
3	20:19:16	504.300	506.500	32.330	26260.000	1030.000	26180.000	26380.000	515.800	517.200
x		509.300	509.000	31.860	26420.000	1015.000	25870.000	26130.000	514.100	517.900
σ		5.772	7.182	2.071	295.600	17.170	500.500	485.700	12.310	9.556
%RSD		1.133	1.411	6.500	1.119	1.691	1.934	1.858	2.395	1.845
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:00	1021.000	1007.000	1023.000	502.600	506.200	-0.767	507.900	506.500	4.812
2	20:18:08	1032.000	1027.000	1022.000	509.600	519.200	-0.383	507.600	518.500	2.807
3	20:19:16	1049.000	1038.000	1032.000	504.700	504.800	0.141	513.700	505.100	2.250
x		1034.000	1024.000	1026.000	505.600	510.000	-0.336	509.700	510.000	3.290
σ		14.230	15.800	5.695	3.592	7.931	0.456	3.416	7.345	1.347
%RSD		1.376	1.543	0.555	0.710	1.555	135.500	0.670	1.440	40.960
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:00	500.100	492.300	487.500	485.600	503.400	-0.004	89%	481.700	498.000
2	20:18:08	499.300	496.200	500.100	497.700	493.300	-0.004	90%	489.400	497.600
3	20:19:16	507.300	506.200	512.500	507.400	501.500	-0.004	88%	498.200	500.500
x		502.200	498.200	500.000	496.900	499.400	-0.004	89%	489.800	498.700
σ		4.404	7.166	12.500	10.930	5.369	0.000	1%	8.253	1.612
%RSD		0.877	1.438	2.499	2.199	1.075	0.000	1	1.685	0.323
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:00	16.720	481.700	500.100	509.800	501.600	497.200	2431.000	2453.000	89%
2	20:18:08	18.880	489.900	495.100	507.800	496.900	498.400	2514.000	2470.000	88%
3	20:19:16	16.090	498.500	504.200	511.600	497.600	504.000	2477.000	2490.000	87%
x		17.230	490.000	499.800	509.700	498.700	499.900	2474.000	2471.000	88%
σ		1.463	8.396	4.548	1.873	2.531	3.601	41.770	18.860	1%
%RSD		8.490	1.713	0.910	0.367	0.508	0.721	1.688	0.764	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	20:17:00	89%	497.500	491.400	492.800	498.100	497.100	86%	492.100	
2	20:18:08	89%	505.200	504.400	507.700	503.500	507.100	85%	501.300	
3	20:19:16	87%	497.500	503.900	496.600	496.700	500.900	83%	500.000	
x		88%	500.100	499.900	499.100	499.400	501.700	84%	497.800	
σ		1%	4.462	7.361	7.748	3.559	5.038	2%	4.984	
%RSD		2	0.892	1.473	1.552	0.713	1.004	2	1.001	

CCB 06/05/2011 08:23:46 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	20:24:54	93%	-0.153	6.547	0.000	-17.670	-11.410	-9.992	-11.140	-4.390
2	20:26:02	93%	-0.238	2.794	0.000	-17.650	-10.970	-10.690	-11.450	-4.441
3	20:27:10	94%	-0.162	2.373	0.000	-18.790	-11.350	-10.320	-11.360	-4.353
x		94%	-0.184	3.904	0.000	-18.040	-11.240	-10.330	-11.320	-4.395
σ		1%	0.047	2.298	0.000	0.654	0.241	0.347	0.160	0.044
%RSD		1	25.280	58.850	0.000	3.626	2.143	3.359	1.410	1.005
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:54	0.473	-1.178	0.000	0.000	-2.478	-15.600	-18.990	87%	-0.020
2	20:26:02	-0.068	1.692	0.000	0.000	-1.539	-6.125	-22.360	86%	-0.178
3	20:27:10	0.193	-1.170	0.000	0.000	-3.786	-6.570	-19.730	87%	-0.099
x		0.199	-0.219	0.000	0.000	-2.601	-9.433	-20.360	87%	-0.099
σ		0.271	1.655	0.000	0.000	1.128	5.348	1.767	1%	0.079
%RSD		135.800	756.600	0.000	0.000	43.390	56.700	8.678	1	79.610
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:54	-0.896	0.061	23.910	-1.030	-0.131	-1.630	-4.230	-0.052	0.066
2	20:26:02	-1.141	-0.002	23.950	-8.784	-0.108	-1.540	-5.896	-0.053	0.138
3	20:27:10	-0.727	0.028	22.140	-6.909	-0.168	-2.577	-3.270	-0.069	0.021
x		-0.921	0.029	23.330	-5.574	-0.135	-1.916	-4.465	-0.058	0.075
σ		0.208	0.031	1.031	4.045	0.030	0.574	1.328	0.009	0.059
%RSD		22.580	109.100	4.420	72.570	22.320	29.970	29.750	15.570	78.820
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:54	0.228	0.217	-0.607	0.390	0.237	0.079	0.661	0.238	0.157
2	20:26:02	0.260	0.246	-0.339	-0.144	-0.336	0.124	-0.073	-0.336	3.127
3	20:27:10	0.286	0.407	-0.617	0.104	0.431	0.088	-0.153	0.433	-0.880
x		0.258	0.290	-0.521	0.117	0.111	0.097	0.145	0.112	0.801
σ		0.029	0.102	0.158	0.267	0.398	0.024	0.449	0.400	2.080
%RSD		11.200	35.240	30.250	229.300	360.100	24.680	310.200	357.400	259.600
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:54	0.482	0.497	0.509	0.398	0.423	-0.004	82%	0.359	0.025
2	20:26:02	0.287	0.404	0.403	0.163	0.176	-0.004	81%	-0.585	-0.032
3	20:27:10	0.022	0.241	0.117	0.203	0.088	-0.004	81%	-0.710	0.010
x		0.264	0.381	0.343	0.255	0.229	-0.004	82%	-0.312	0.001
σ		0.231	0.129	0.203	0.126	0.174	0.000	1%	0.584	0.030
%RSD		87.550	33.960	59.110	49.260	75.840	0.000	1	187.200	3915.000
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:54	-0.173	0.371	-0.008	-0.082	0.406	0.631	-0.297	-0.259	79%
2	20:26:02	0.219	-0.576	-0.040	-0.115	0.246	0.358	-0.315	-0.291	79%
3	20:27:10	0.372	-0.700	-0.029	-0.121	0.129	0.256	-0.173	-0.232	78%
x		0.140	-0.301	-0.026	-0.106	0.260	0.415	-0.261	-0.261	78%
σ		0.281	0.586	0.016	0.021	0.139	0.194	0.077	0.030	0%
%RSD		201.200	194.400	63.370	19.700	53.510	46.630	29.570	11.460	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	20:24:54	78%	0.009	0.004	-0.035	-0.044	-0.051	78%	-0.014	
2	20:26:02	78%	-0.006	-0.019	-0.049	-0.039	-0.052	75%	-0.036	
3	20:27:10	78%	0.000	-0.023	-0.081	-0.081	-0.073	75%	-0.043	
x		78%	0.001	-0.013	-0.055	-0.055	-0.059	76%	-0.031	
σ		0%	0.007	0.014	0.024	0.023	0.012	2%	0.015	
%RSD		1	690.500	112.700	42.810	42.400	21.050	2	48.420	

C2362-16 MJDX53 06/05/2011 08:31:39 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	20:32:47	93%	-0.113	2.851	0.000	996.400	24.400	27.880	24.710	3.638
2	20:33:55	92%	-0.150	4.346	0.000	994.900	21.190	22.130	22.420	3.803
3	20:35:03	92%	-0.094	3.133	0.000	1029.000	16.560	14.700	15.230	2.223
x		92%	-0.119	3.443	0.000	1007.000	20.720	21.570	20.790	3.221
σ		1%	0.028	0.795	0.000	19.380	3.944	6.608	4.949	0.869
%RSD		1	23.830	23.080	0.000	1.924	19.040	30.630	23.810	26.970

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:47	15.860	-7.619	0.000	0.000	32.390	233.500	239.200	88%	0.291
2	20:33:55	14.360	-7.733	0.000	0.000	30.700	245.400	237.200	89%	0.519
3	20:35:03	14.660	-9.313	0.000	0.000	31.290	210.700	237.000	88%	0.017
x		14.960	-8.222	0.000	0.000	31.460	229.900	237.800	88%	0.276
σ		0.795	0.947	0.000	0.000	0.856	17.640	1.231	1%	0.251
%RSD		5.318	11.520	0.000	0.000	2.722	7.674	0.518	1	91.180

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:47	-5.026	1.483	200.200	14.540	3.141	24.910	22.220	0.077	0.239
2	20:33:55	-3.801	1.774	218.600	11.980	2.971	23.340	20.610	0.066	0.169
3	20:35:03	-6.075	1.580	238.500	14.390	2.946	22.260	16.370	0.013	0.139
x		-4.967	1.613	219.100	13.640	3.019	23.500	19.730	0.052	0.182
σ		1.138	0.148	19.150	1.439	0.106	1.337	3.023	0.034	0.051
%RSD		22.910	9.191	8.740	10.550	3.512	5.687	15.320	66.370	28.130

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:47	0.536	0.582	13.560	1.154	0.165	0.810	0.048	0.166	2.787
2	20:33:55	0.533	0.259	13.330	1.854	0.776	0.813	0.513	0.777	-2.096
3	20:35:03	0.480	0.436	13.350	1.670	-0.081	0.841	-1.412	-0.081	0.332
x		0.516	0.426	13.410	1.560	0.287	0.821	-0.283	0.287	0.341
σ		0.031	0.162	0.127	0.363	0.441	0.017	1.004	0.442	2.441
%RSD		6.067	38.010	0.947	23.280	153.900	2.038	354.400	153.700	715.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:47	0.190	0.029	0.155	0.005	0.040	-0.004	85%	-2.027	0.097
2	20:33:55	-0.065	0.011	0.058	0.016	0.053	-0.004	86%	-1.682	0.094
3	20:35:03	-0.148	-0.037	-0.008	-0.022	-0.041	0.001	86%	-1.204	0.088
x		-0.008	0.001	0.068	-0.000	0.017	-0.003	86%	-1.638	0.093
σ		0.176	0.034	0.082	0.020	0.051	0.003	0%	0.413	0.005
%RSD		2331.000	4818.000	120.000	30740.000	297.100	110.100	0	25.240	4.846

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:47	1.212	-2.026	0.070	-0.091	0.088	0.183	1.682	1.454	84%
2	20:33:55	0.946	-1.671	0.054	-0.114	0.148	0.130	1.585	1.169	82%
3	20:35:03	0.533	-1.195	0.038	-0.046	-0.032	0.071	1.077	1.201	83%
x		0.897	-1.631	0.054	-0.084	0.068	0.128	1.448	1.275	83%
σ		0.342	0.417	0.016	0.035	0.092	0.056	0.325	0.156	1%
%RSD		38.110	25.570	30.100	41.400	135.400	43.860	22.430	12.240	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:47	83%	0.130	0.113	0.221	0.262	0.224	81%	0.052
2	20:33:55	81%	0.034	0.050	0.238	0.168	0.215	80%	0.020
3	20:35:03	83%	0.001	-0.005	0.150	0.104	0.137	81%	-0.016
x		82%	0.055	0.052	0.203	0.178	0.192	81%	0.019
σ		1%	0.067	0.059	0.047	0.079	0.048	0%	0.034
%RSD		1	121.800	112.900	22.960	44.700	24.850	0	181.900

C2377-05 MJDX65 06/05/2011 08:39:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:41	89%	-0.161	7.887	0.000	20090.000	10180.000	10180.000	10080.000	7.224
2	20:41:50	89%	-0.243	8.731	0.000	19760.000	10190.000	10300.000	10130.000	7.259
3	20:42:58	89%	-0.194	7.432	0.000	20000.000	10090.000	10210.000	10230.000	6.870
x		89%	-0.199	8.016	0.000	19950.000	10150.000	10230.000	10140.000	7.118
σ		0%	0.042	0.659	0.000	168.800	58.770	64.590	78.840	0.215
%RSD		0	20.880	8.220	0.000	0.846	0.579	0.631	0.777	3.026
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:41	19330.000	261.800	0.000	0.000	2326.000	33440.000	34860.000	86%	1.819
2	20:41:50	19170.000	249.900	0.000	0.000	2301.000	33270.000	35210.000	88%	2.361
3	20:42:58	19220.000	253.200	0.000	0.000	2325.000	32580.000	34890.000	87%	1.762
x		19240.000	255.000	0.000	0.000	2317.000	33100.000	34990.000	87%	1.981
σ		84.420	6.132	0.000	0.000	14.070	455.400	194.300	1%	0.330
%RSD		0.439	2.405	0.000	0.000	0.607	1.376	0.555	1	16.680
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:41	-6.328	1.037	297.300	98.940	7.395	117.800	156.500	0.175	1.007
2	20:41:50	-6.401	1.019	306.800	95.770	7.490	117.800	153.800	0.144	1.083
3	20:42:58	-5.581	1.060	311.500	100.900	7.528	118.000	163.100	0.132	1.015
x		-6.103	1.039	305.200	98.540	7.471	117.900	157.800	0.150	1.035
σ		0.454	0.020	7.219	2.591	0.069	0.156	4.793	0.022	0.042
%RSD		7.435	1.971	2.365	2.630	0.922	0.132	3.038	14.800	4.040
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:41	3.630	3.465	445.300	1.928	-0.016	1.117	-1.377	-0.016	3.008
2	20:41:50	3.611	3.371	443.000	2.113	0.541	1.142	-0.448	0.543	0.413
3	20:42:58	3.436	2.888	441.700	2.523	-0.018	1.206	0.218	-0.018	-0.994
x		3.559	3.241	443.300	2.188	0.169	1.155	-0.535	0.170	0.809
σ		0.107	0.310	1.836	0.304	0.322	0.046	0.801	0.323	2.030
%RSD		2.998	9.552	0.414	13.910	190.800	3.958	149.700	190.300	251.000
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:41	0.177	-0.015	0.166	-0.001	0.094	-0.004	83%	-1.470	-0.025
2	20:41:50	0.140	0.064	0.168	0.126	0.023	-0.004	84%	0.201	-0.050
3	20:42:58	0.223	0.047	0.084	0.085	0.067	0.001	85%	0.626	-0.053
x		0.180	0.032	0.139	0.070	0.061	-0.003	84%	-0.214	-0.043
σ		0.041	0.042	0.048	0.065	0.035	0.003	1%	1.108	0.015
%RSD		22.960	130.000	34.410	93.090	57.950	112.800	1	517.300	36.070
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:41	0.937	-1.469	-0.047	0.562	0.288	0.061	71.130	69.350	82%
2	20:41:50	0.256	0.211	-0.032	0.653	0.207	0.081	69.580	68.840	81%
3	20:42:58	-0.050	0.635	-0.043	0.559	0.147	0.061	68.220	69.610	82%
x		0.381	-0.208	-0.041	0.591	0.214	0.068	69.640	69.270	82%
σ		0.505	1.112	0.008	0.053	0.071	0.012	1.455	0.391	1%
%RSD		132.500	535.200	19.670	9.035	33.050	17.630	2.090	0.564	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	20:40:41	82%	-0.020	-0.032	0.743	0.622	0.720	79%	0.390	
2	20:41:50	82%	-0.000	-0.021	0.733	0.686	0.726	80%	0.373	
3	20:42:58	82%	-0.051	-0.057	0.805	0.687	0.702	81%	0.373	
x		82%	-0.024	-0.037	0.760	0.665	0.716	80%	0.379	
σ		0%	0.026	0.019	0.039	0.037	0.013	1%	0.010	
%RSD		0	107.700	50.740	5.144	5.580	1.763	1	2.636	

C2377-06 MJDX65D 06/05/2011 08:47:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:36	90%	-0.212	7.369	0.000	19900.000	10160.000	10080.000	10030.000	6.142
2	20:49:44	88%	-0.251	7.907	0.000	20000.000	10000.000	10320.000	10230.000	6.177
3	20:50:52	88%	-0.234	7.605	0.000	20280.000	10140.000	10360.000	10170.000	6.389
x		89%	-0.232	7.627	0.000	20060.000	10100.000	10260.000	10150.000	6.236
σ		1%	0.020	0.270	0.000	195.800	82.910	150.900	104.600	0.134
%RSD		1	8.403	3.533	0.000	0.976	0.821	1.471	1.031	2.141

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:36	18960.000	219.700	0.000	0.000	2264.000	33280.000	34900.000	89%	1.687
2	20:49:44	19100.000	212.900	0.000	0.000	2268.000	32220.000	35250.000	89%	1.849
3	20:50:52	19070.000	232.500	0.000	0.000	2303.000	32540.000	35060.000	87%	2.032
x		19040.000	221.700	0.000	0.000	2278.000	32680.000	35070.000	88%	1.856
σ		70.950	9.947	0.000	0.000	21.560	544.300	176.800	1%	0.172
%RSD		0.373	4.486	0.000	0.000	0.946	1.666	0.504	1	9.291

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:36	-4.824	0.934	278.900	96.530	7.397	112.100	147.400	0.071	0.976
2	20:49:44	-3.532	0.978	291.600	94.240	7.311	113.400	153.100	0.082	0.916
3	20:50:52	-6.126	1.031	305.900	90.210	7.266	112.300	147.600	0.072	0.856
x		-4.827	0.981	292.100	93.660	7.324	112.600	149.400	0.075	0.916
σ		1.297	0.048	13.500	3.196	0.066	0.688	3.239	0.006	0.060
%RSD		26.860	4.915	4.622	3.412	0.907	0.611	2.168	7.814	6.556

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:36	3.410	3.434	444.400	2.367	0.598	1.138	-0.208	0.600	-0.327
2	20:49:44	3.446	3.323	436.400	2.817	0.168	1.100	-0.120	0.170	2.182
3	20:50:52	3.210	3.495	438.900	1.867	0.604	1.369	-0.603	0.605	1.107
x		3.355	3.417	439.900	2.350	0.457	1.203	-0.310	0.458	0.987
σ		0.127	0.087	4.070	0.475	0.250	0.146	0.257	0.250	1.259
%RSD		3.798	2.548	0.925	20.200	54.680	12.110	82.870	54.540	127.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:36	0.009	0.095	0.098	0.097	0.006	-0.004	85%	-1.244	-0.067
2	20:49:44	0.156	-0.017	-0.026	0.101	-0.031	-0.004	84%	0.602	-0.053
3	20:50:52	0.138	-0.002	0.129	0.046	-0.038	-0.004	85%	-1.483	-0.061
x		0.101	0.025	0.067	0.081	-0.021	-0.004	84%	-0.708	-0.060
σ		0.080	0.061	0.082	0.030	0.024	0.000	1%	1.141	0.007
%RSD		79.310	241.400	122.000	37.530	113.000	0.000	1	161.100	11.600

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:36	0.988	-1.241	-0.083	0.646	-0.056	0.023	69.920	70.520	84%
2	20:49:44	0.144	0.605	-0.056	0.743	-0.116	0.043	69.480	70.910	83%
3	20:50:52	1.371	-1.485	-0.083	0.514	-0.094	0.013	67.150	68.060	85%
x		0.834	-0.707	-0.074	0.635	-0.088	0.026	68.850	69.830	84%
σ		0.628	1.142	0.016	0.115	0.031	0.015	1.489	1.543	1%
%RSD		75.210	161.600	21.310	18.100	34.570	58.400	2.163	2.210	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:36	83%	-0.088	-0.085	0.785	0.585	0.653	83%	0.335
2	20:49:44	83%	-0.088	-0.102	0.627	0.645	0.647	84%	0.330
3	20:50:52	84%	-0.088	-0.102	0.728	0.656	0.641	84%	0.343
x		83%	-0.088	-0.096	0.713	0.628	0.647	83%	0.336
σ		1%	0.000	0.010	0.080	0.038	0.006	1%	0.006
%RSD		1	0.374	10.260	11.230	6.121	0.937	1	1.931

C2377-07 MJDX65S 06/05/2011 08:55:22 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	20:56:30	87%	46.500	6.881	0.000	19980.000	9914.000	10180.000	10090.000	1925.000
2	20:57:38	87%	46.970	8.127	0.000	19670.000	9979.000	10160.000	9930.000	1874.000
3	20:58:46	85%	48.230	7.858	0.000	20340.000	10120.000	10060.000	10030.000	1865.000
x		87%	47.230	7.622	0.000	20000.000	10010.000	10130.000	10010.000	1888.000
σ		1%	0.897	0.655	0.000	335.200	106.700	63.380	78.800	32.710
%RSD		1	1.898	8.597	0.000	1.676	1.067	0.626	0.787	1.732

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:30	18740.000	230.500	0.000	0.000	2234.000	32420.000	34940.000	87%	1.538
2	20:57:38	18480.000	259.800	0.000	0.000	2280.000	32940.000	34730.000	86%	1.793
3	20:58:46	19090.000	243.500	0.000	0.000	2271.000	32750.000	34070.000	85%	2.570
x		18770.000	244.600	0.000	0.000	2262.000	32700.000	34580.000	86%	1.967
σ		304.300	14.710	0.000	0.000	24.080	263.000	457.100	1%	0.537
%RSD		1.622	6.016	0.000	0.000	1.065	0.804	1.322	1	27.320

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:30	445.900	181.100	323.700	1113.000	469.000	1042.000	1102.000	459.200	470.500
2	20:57:38	450.300	185.000	345.900	1120.000	467.300	1054.000	1087.000	458.900	470.600
3	20:58:46	448.900	183.700	349.200	1122.000	474.400	1044.000	1073.000	462.200	468.500
x		448.400	183.300	339.600	1119.000	470.200	1047.000	1088.000	460.100	469.900
σ		2.258	1.964	13.840	4.957	3.715	6.301	14.440	1.834	1.153
%RSD		0.504	1.072	4.077	0.443	0.790	0.602	1.328	0.399	0.245

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:30	238.600	234.200	911.300	40.870	9.305	1.295	9.468	9.314	1.185
2	20:57:38	236.500	238.700	920.700	40.030	10.630	1.624	9.976	10.640	-0.202
3	20:58:46	241.700	245.900	925.000	38.470	8.471	1.580	9.450	8.470	1.569
x		239.000	239.600	919.000	39.790	9.470	1.500	9.631	9.475	0.851
σ		2.633	5.889	7.041	1.218	1.090	0.179	0.298	1.094	0.932
%RSD		1.102	2.458	0.766	3.061	11.510	11.900	3.097	11.550	109.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:30	0.187	0.000	0.058	-0.003	0.010	-0.004	84%	40.220	44.290
2	20:57:38	0.262	0.068	0.037	-0.042	0.103	0.006	83%	40.730	46.010
3	20:58:46	0.116	0.001	0.081	-0.016	-0.000	-0.004	84%	52.470	44.770
x		0.189	0.023	0.058	-0.020	0.038	-0.001	83%	44.470	45.020
σ		0.073	0.039	0.022	0.020	0.057	0.006	0%	6.928	0.887
%RSD		38.710	170.200	37.950	96.840	151.200	713.000	0	15.580	1.970

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:30	7.231	40.230	44.450	47.290	-0.112	93.700	1853.000	1881.000	83%
2	20:57:38	4.922	40.750	45.360	48.470	-0.123	92.790	1852.000	1872.000	83%
3	20:58:46	-1.461	52.600	45.530	49.300	-0.062	89.930	1852.000	1839.000	79%
x		3.564	44.530	45.110	48.350	-0.099	92.140	1852.000	1864.000	82%
σ		4.502	6.994	0.579	1.011	0.033	1.966	0.426	21.690	2%
%RSD		126.300	15.710	1.282	2.091	33.090	2.134	0.023	1.164	3

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:30	84%	45.120	44.550	20.000	18.570	18.990	83%	0.336
2	20:57:38	82%	45.000	45.940	20.160	18.260	18.980	80%	0.322
3	20:58:46	80%	44.410	44.680	20.000	17.670	18.760	80%	0.318
x		82%	44.840	45.050	20.050	18.170	18.910	81%	0.325
σ		2%	0.380	0.766	0.091	0.461	0.128	2%	0.009
%RSD		2	0.847	1.701	0.456	2.538	0.678	2	2.886

C2377-05LX5 MJDX65L 06/05/2011 09:03:17 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	21:04:25	86%	-0.283	0.293	0.000	4034.000	2043.000	2018.000	2006.000	2.249
2	21:05:33	87%	-0.207	1.011	0.000	3965.000	2021.000	1983.000	1967.000	2.149
3	21:06:42	86%	-0.232	0.265	0.000	3940.000	1982.000	1989.000	1982.000	2.012
x		86%	-0.241	0.523	0.000	3980.000	2016.000	1997.000	1985.000	2.137
σ		1%	0.038	0.423	0.000	48.860	30.840	18.590	19.780	0.119
%RSD		1	15.890	80.880	0.000	1.228	1.530	0.931	0.997	5.566

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:25	3945.000	26.930	0.000	0.000	447.100	6767.000	7105.000	84%	0.359
2	21:05:33	3840.000	25.310	0.000	0.000	442.500	6369.000	7030.000	83%	0.238
3	21:06:42	3888.000	23.980	0.000	0.000	441.300	6629.000	7139.000	83%	0.362
x		3891.000	25.410	0.000	0.000	443.600	6588.000	7091.000	84%	0.320
σ		52.260	1.476	0.000	0.000	3.064	201.900	55.470	0%	0.071
%RSD		1.343	5.810	0.000	0.000	0.691	3.064	0.782	0	22.190

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:25	-3.331	0.359	100.600	11.220	1.556	22.090	23.530	0.103	0.390
2	21:05:33	-1.685	0.300	96.020	9.639	1.457	22.410	23.140	0.136	0.394
3	21:06:42	-1.336	0.287	94.240	11.150	1.322	22.660	27.090	0.099	0.445
x		-2.117	0.315	96.960	10.670	1.445	22.390	24.590	0.113	0.410
σ		1.066	0.038	3.287	0.894	0.118	0.288	2.178	0.021	0.031
%RSD		50.330	12.030	3.390	8.380	8.146	1.287	8.858	18.380	7.501

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:25	0.774	0.643	90.230	0.161	-0.599	0.513	-0.717	-0.599	0.673
2	21:05:33	0.678	0.611	87.060	0.755	0.056	0.401	0.034	0.056	-1.848
3	21:06:42	0.792	0.629	89.110	-0.160	-1.147	0.527	-0.402	-1.151	3.507
x		0.748	0.627	88.800	0.252	-0.563	0.480	-0.362	-0.565	0.777
σ		0.062	0.016	1.604	0.464	0.602	0.069	0.377	0.605	2.679
%RSD		8.240	2.543	1.807	184.000	106.900	14.350	104.400	107.100	344.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:25	-0.211	-0.087	-0.136	-0.118	-0.161	-0.004	81%	-1.164	-0.037
2	21:05:33	-0.178	-0.138	-0.111	-0.172	-0.165	-0.004	79%	-0.787	-0.062
3	21:06:42	-0.144	-0.065	-0.125	-0.015	-0.180	0.001	77%	-2.648	-0.038
x		-0.178	-0.097	-0.124	-0.102	-0.168	-0.003	79%	-1.533	-0.046
σ		0.033	0.037	0.012	0.080	0.010	0.003	2%	0.984	0.014
%RSD		18.700	38.390	10.060	78.450	6.056	131.800	2	64.180	31.170

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:25	0.602	-1.151	-0.076	-0.031	-0.155	0.013	14.020	13.770	76%
2	21:05:33	0.416	-0.781	-0.067	0.004	-0.131	-0.008	15.030	13.160	77%
3	21:06:42	1.363	-2.641	-0.075	-0.158	-0.172	0.006	14.670	14.660	74%
x		0.793	-1.524	-0.073	-0.061	-0.153	0.004	14.570	13.860	76%
σ		0.502	0.985	0.005	0.085	0.021	0.011	0.515	0.753	2%
%RSD		63.230	64.620	6.726	139.000	13.480	303.300	3.532	5.432	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:25	76%	0.022	0.030	0.086	0.064	0.062	74%	-0.023
2	21:05:33	77%	-0.035	0.001	0.077	0.069	0.055	74%	-0.039
3	21:06:42	74%	-0.042	-0.021	0.074	0.033	0.055	72%	-0.028
x		75%	-0.018	0.003	0.079	0.055	0.058	73%	-0.030
σ		1%	0.035	0.025	0.006	0.020	0.004	1%	0.008
%RSD		2	192.000	786.100	7.961	35.820	6.927	1	27.790

C2377-08 MJDX66 06/05/2011 09:11:13 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	21:12:21	89%	-0.243	4.381	0.000	15210.000	12990.000	12960.000	12820.000	15.510
2	21:13:29	88%	-0.234	4.412	0.000	15460.000	13210.000	13060.000	12940.000	16.500
3	21:14:37	88%	-0.250	4.584	0.000	15690.000	13230.000	13450.000	13170.000	16.220
x		88%	-0.242	4.459	0.000	15450.000	13140.000	13160.000	12980.000	16.080
σ		0%	0.008	0.109	0.000	239.300	136.600	258.000	176.900	0.510
%RSD		1	3.279	2.452	0.000	1.549	1.039	1.961	1.363	3.174

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:21	20360.000	118.600	0.000	0.000	1698.000	32780.000	34680.000	89%	2.308
2	21:13:29	20770.000	143.900	0.000	0.000	1763.000	33800.000	35860.000	88%	2.106
3	21:14:37	20710.000	101.800	0.000	0.000	1763.000	33880.000	35990.000	86%	1.977
x		20610.000	121.400	0.000	0.000	1741.000	33490.000	35510.000	88%	2.131
σ		221.700	21.170	0.000	0.000	37.760	609.800	717.200	1%	0.167
%RSD		1.075	17.440	0.000	0.000	2.169	1.821	2.020	1	7.828

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:21	-0.392	0.950	239.100	3.770	2.186	24.180	60.800	0.184	0.615
2	21:13:29	1.475	0.951	259.200	8.011	2.144	24.120	55.470	0.157	0.532
3	21:14:37	-1.837	0.916	275.100	6.761	2.320	23.420	60.740	0.102	0.415
x		-0.251	0.939	257.800	6.181	2.217	23.900	59.000	0.148	0.521
σ		1.661	0.020	18.020	2.179	0.092	0.422	3.062	0.042	0.101
%RSD		661.100	2.095	6.991	35.260	4.136	1.763	5.190	28.520	19.280

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:21	20.380	20.570	77.530	2.069	0.294	0.983	-0.511	0.296	-0.974
2	21:13:29	20.560	20.120	80.750	1.638	0.169	1.156	-0.427	0.170	0.074
3	21:14:37	20.810	20.690	76.520	1.520	0.485	1.195	-0.656	0.486	-0.960
x		20.580	20.460	78.270	1.742	0.316	1.111	-0.531	0.317	-0.620
σ		0.215	0.298	2.211	0.289	0.159	0.113	0.116	0.159	0.601
%RSD		1.046	1.458	2.824	16.610	50.330	10.140	21.760	50.110	97.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:21	-0.172	-0.066	-0.040	-0.056	-0.041	-0.004	83%	-3.019	-0.034
2	21:13:29	-0.087	-0.034	-0.064	-0.057	-0.047	0.001	84%	-2.314	-0.045
3	21:14:37	-0.144	-0.067	-0.086	-0.122	-0.082	-0.004	84%	-1.312	-0.056
x		-0.134	-0.056	-0.063	-0.078	-0.057	-0.003	84%	-2.215	-0.045
σ		0.043	0.019	0.023	0.038	0.022	0.003	0%	0.858	0.011
%RSD		32.050	33.600	36.120	48.500	39.310	114.200	1	38.730	24.670

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:21	1.458	-3.016	-0.064	-0.214	-0.140	-0.065	18.800	17.460	81%
2	21:13:29	1.101	-2.313	-0.051	-0.219	-0.180	-0.019	18.930	18.560	83%
3	21:14:37	0.678	-1.308	-0.062	-0.159	-0.188	-0.025	17.670	18.350	82%
x		1.079	-2.212	-0.059	-0.197	-0.170	-0.036	18.470	18.120	82%
σ		0.391	0.858	0.007	0.033	0.026	0.025	0.695	0.584	1%
%RSD		36.190	38.800	11.780	16.800	15.250	67.970	3.761	3.221	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:21	82%	-0.070	-0.058	0.352	0.269	0.302	81%	0.909
2	21:13:29	85%	-0.075	-0.077	0.345	0.249	0.300	82%	0.929
3	21:14:37	82%	-0.069	-0.075	0.321	0.261	0.302	82%	0.994
x		83%	-0.071	-0.070	0.339	0.260	0.301	82%	0.944
σ		2%	0.003	0.010	0.016	0.010	0.001	0%	0.044
%RSD		2	4.739	14.770	4.859	3.833	0.460	0	4.707

C2377-09 MJDX67 06/05/2011 09:19:09 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	21:20:17	90%	-0.252	2.199	0.000	11900.000	9795.000	9868.000	9602.000	-3.677
2	21:21:25	90%	-0.220	1.463	0.000	11790.000	9665.000	9660.000	9683.000	-3.344
3	21:22:33	90%	-0.292	1.276	0.000	11870.000	9544.000	9781.000	9794.000	-3.401
x		90%	-0.255	1.646	0.000	11850.000	9668.000	9769.000	9693.000	-3.474
σ		0%	0.036	0.488	0.000	55.830	125.500	104.500	96.140	0.178
%RSD		0	14.240	29.630	0.000	0.471	1.298	1.069	0.992	5.118

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:17	20790.000	167.900	0.000	0.000	1854.000	24620.000	26110.000	88%	1.310
2	21:21:25	20450.000	152.300	0.000	0.000	1845.000	24000.000	26060.000	89%	1.615
3	21:22:33	20510.000	148.900	0.000	0.000	1841.000	24560.000	25760.000	89%	1.690
x		20580.000	156.400	0.000	0.000	1847.000	24390.000	25980.000	88%	1.538
σ		182.900	10.140	0.000	0.000	6.575	340.800	184.600	0%	0.201
%RSD		0.889	6.483	0.000	0.000	0.356	1.397	0.711	0	13.090

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:17	0.323	0.944	264.000	-9.290	1.785	7.099	28.290	-0.026	0.317
2	21:21:25	4.879	0.960	276.400	-10.180	1.695	7.266	27.400	-0.045	0.150
3	21:22:33	3.394	1.024	282.900	-10.660	1.817	6.788	29.560	-0.018	0.071
x		2.866	0.976	274.500	-10.040	1.766	7.051	28.420	-0.030	0.179
σ		2.323	0.042	9.583	0.697	0.063	0.242	1.086	0.014	0.126
%RSD		81.080	4.325	3.492	6.935	3.571	3.438	3.820	46.610	70.100

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:17	4.390	4.688	122.200	0.672	-0.019	1.273	-0.503	-0.019	1.078
2	21:21:25	4.797	4.630	121.300	1.588	0.662	1.180	-1.081	0.664	0.036
3	21:22:33	4.525	4.662	122.500	1.134	-0.081	1.300	-0.395	-0.081	0.313
x		4.571	4.660	122.000	1.131	0.187	1.251	-0.660	0.188	0.476
σ		0.208	0.029	0.627	0.458	0.412	0.063	0.369	0.413	0.540
%RSD		4.540	0.624	0.514	40.480	220.300	5.013	55.940	219.700	113.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:17	0.108	0.095	0.202	0.097	0.066	-0.004	85%	-2.116	-0.075
2	21:21:25	0.053	0.161	0.099	0.033	0.097	-0.004	85%	-1.227	-0.075
3	21:22:33	0.005	0.139	0.116	0.105	0.067	0.001	86%	-1.712	-0.080
x		0.055	0.132	0.139	0.078	0.077	-0.003	85%	-1.685	-0.077
σ		0.052	0.034	0.055	0.039	0.018	0.003	1%	0.445	0.003
%RSD		94.030	25.550	39.760	50.430	22.980	109.700	1	26.410	4.195

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:17	1.001	-2.115	-0.067	-0.153	-0.169	-0.054	9.409	9.277	84%
2	21:21:25	0.636	-1.226	-0.089	-0.155	-0.139	-0.041	9.245	8.743	84%
3	21:22:33	0.795	-1.711	-0.084	-0.185	-0.167	-0.085	8.445	9.242	85%
x		0.811	-1.684	-0.080	-0.164	-0.158	-0.060	9.033	9.087	85%
σ		0.183	0.445	0.011	0.018	0.017	0.023	0.516	0.299	1%
%RSD		22.560	26.420	13.920	10.910	10.500	37.420	5.707	3.287	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:17	85%	-0.089	-0.092	1.094	0.920	1.012	85%	0.576
2	21:21:25	85%	-0.086	-0.093	1.045	1.094	1.046	84%	0.587
3	21:22:33	85%	-0.107	-0.095	1.009	0.939	0.969	86%	0.555
x		85%	-0.094	-0.093	1.049	0.984	1.009	85%	0.572
σ		0%	0.011	0.002	0.043	0.095	0.039	1%	0.016
%RSD		0	11.920	1.787	4.058	9.692	3.833	1	2.831

C2377-10 MJDX70 06/05/2011 09:27:04 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	21:28:13	92%	-0.261	3.126	0.000	14710.000	13440.000	13560.000	13520.000	30.170
2	21:29:21	90%	-0.292	1.757	0.000	14730.000	13590.000	13480.000	13320.000	30.620
3	21:30:29	88%	-0.267	3.218	0.000	14560.000	13320.000	13380.000	13380.000	30.080
x		90%	-0.274	2.700	0.000	14670.000	13450.000	13470.000	13410.000	30.290
σ		2%	0.017	0.818	0.000	93.590	132.400	89.600	100.500	0.288
%RSD		2	6.065	30.300	0.000	0.638	0.984	0.665	0.749	0.950

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:13	21280.000	89.850	0.000	0.000	1772.000	34910.000	36890.000	89%	2.043
2	21:29:21	20710.000	73.120	0.000	0.000	1764.000	34400.000	36820.000	90%	2.323
3	21:30:29	20570.000	67.840	0.000	0.000	1748.000	33200.000	35780.000	91%	2.146
x		20850.000	76.930	0.000	0.000	1761.000	34170.000	36500.000	90%	2.171
σ		374.900	11.490	0.000	0.000	12.500	879.200	625.000	1%	0.142
%RSD		1.798	14.930	0.000	0.000	0.710	2.573	1.712	1	6.538

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:13	-1.810	0.855	267.000	13.580	3.128	28.630	63.400	-0.061	0.500
2	21:29:21	-0.365	0.853	279.600	8.961	3.204	27.270	55.550	-0.026	0.309
3	21:30:29	-3.091	0.852	285.100	10.500	3.278	25.610	56.830	-0.067	0.347
x		-1.755	0.853	277.200	11.010	3.203	27.170	58.590	-0.051	0.385
σ		1.364	0.002	9.279	2.352	0.075	1.511	4.211	0.022	0.101
%RSD		77.700	0.187	3.347	21.350	2.343	5.562	7.187	43.740	26.220

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:13	26.180	26.030	85.950	1.568	-0.143	1.232	-0.748	-0.143	2.013
2	21:29:21	25.970	25.470	85.540	2.034	-0.021	1.180	-1.043	-0.020	0.640
3	21:30:29	25.390	25.250	84.690	1.717	-0.443	1.266	-0.691	-0.443	0.556
x		25.840	25.580	85.390	1.773	-0.202	1.226	-0.827	-0.202	1.070
σ		0.408	0.404	0.645	0.238	0.217	0.043	0.189	0.218	0.818
%RSD		1.579	1.578	0.756	13.430	107.500	3.539	22.850	107.700	76.480

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:13	0.045	0.034	-0.024	-0.099	-0.067	-0.004	87%	-1.982	-0.080
2	21:29:21	-0.037	0.002	-0.110	0.016	-0.036	-0.004	86%	-1.832	-0.067
3	21:30:29	-0.042	-0.016	-0.033	-0.050	-0.068	-0.004	88%	-1.562	-0.075
x		-0.011	0.007	-0.056	-0.044	-0.057	-0.004	87%	-1.792	-0.074
σ		0.049	0.025	0.048	0.058	0.018	0.000	1%	0.213	0.007
%RSD		424.700	384.700	85.590	129.900	31.500	0.000	1	11.880	8.946

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:13	0.931	-1.978	-0.087	-0.201	-0.184	-0.091	19.860	19.680	85%
2	21:29:21	0.859	-1.836	-0.087	-0.161	-0.208	-0.082	19.770	18.700	87%
3	21:30:29	0.969	-1.559	-0.089	-0.248	-0.201	-0.092	18.970	19.810	86%
x		0.920	-1.791	-0.088	-0.203	-0.198	-0.088	19.540	19.400	86%
σ		0.056	0.213	0.002	0.044	0.013	0.005	0.491	0.607	1%
%RSD		6.098	11.890	1.904	21.540	6.461	5.929	2.511	3.128	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:13	86%	-0.103	-0.109	0.384	0.229	0.308	86%	1.031
2	21:29:21	88%	-0.117	-0.103	0.317	0.338	0.335	87%	0.935
3	21:30:29	86%	-0.106	-0.112	0.410	0.347	0.353	87%	1.014
x		87%	-0.109	-0.108	0.370	0.305	0.332	87%	0.993
σ		1%	0.008	0.004	0.048	0.065	0.023	1%	0.051
%RSD		1	6.930	4.010	12.970	21.460	6.862	1	5.138

zzzzzz 06/05/2011 09:35:01 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	21:36:09	93%	-0.270	0.306	0.000	-20.830	-17.110	-16.240	-17.050	-5.116
2	21:37:17	94%	-0.247	-2.308	0.000	-22.050	-17.310	-16.310	-17.080	-5.096
3	21:38:26	95%	-0.270	-1.029	0.000	-23.150	-17.210	-16.400	-17.550	-5.063
x		94%	-0.262	-1.011	0.000	-22.010	-17.210	-16.320	-17.230	-5.092
σ		1%	0.013	1.307	0.000	1.162	0.098	0.082	0.278	0.027
%RSD		1	5.059	129.300	0.000	5.281	0.568	0.504	1.612	0.527

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:09	1.459	29.670	0.000	0.000	-11.030	35.650	52.640	92%	-0.067
2	21:37:17	1.818	22.480	0.000	0.000	-9.495	68.950	42.770	89%	-0.064
3	21:38:26	1.036	23.850	0.000	0.000	-13.890	23.460	46.580	92%	-0.143
x		1.438	25.330	0.000	0.000	-11.470	42.690	47.330	91%	-0.091
σ		0.392	3.815	0.000	0.000	2.231	23.550	4.980	1%	0.045
%RSD		27.240	15.060	0.000	0.000	19.450	55.160	10.520	1	48.800

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:09	-0.126	0.135	49.330	-11.510	-0.200	-1.151	-11.220	-0.125	-0.086
2	21:37:17	-1.604	0.040	47.540	-9.535	-0.172	0.857	-12.490	-0.125	-0.084
3	21:38:26	-1.580	0.053	42.440	-8.813	-0.188	0.018	-11.380	-0.118	-0.118
x		-1.103	0.076	46.440	-9.952	-0.187	-0.092	-11.690	-0.123	-0.096
σ		0.847	0.052	3.573	1.395	0.014	1.009	0.694	0.004	0.019
%RSD		76.750	67.540	7.695	14.010	7.401	1100.000	5.936	3.086	19.690

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:09	-0.044	-0.102	1.212	0.243	-0.143	0.261	-0.287	-0.143	3.456
2	21:37:17	-0.096	0.053	1.534	-0.167	-0.683	0.261	0.058	-0.682	2.549
3	21:38:26	0.009	0.047	1.312	0.019	-0.499	0.227	-0.615	-0.499	1.488
x		-0.043	-0.001	1.353	0.032	-0.442	0.250	-0.282	-0.441	2.498
σ		0.053	0.088	0.165	0.205	0.275	0.019	0.336	0.274	0.985
%RSD		121.700	14380.000	12.190	644.400	62.130	7.791	119.500	62.120	39.440

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:09	-0.289	-0.159	-0.184	-0.201	-0.209	0.001	89%	-2.024	-0.088
2	21:37:17	-0.248	-0.183	-0.184	-0.164	-0.199	-0.004	89%	-2.588	-0.078
3	21:38:26	-0.262	-0.175	-0.191	-0.213	-0.199	-0.004	89%	-1.630	-0.078
x		-0.266	-0.172	-0.186	-0.193	-0.202	-0.003	89%	-2.081	-0.081
σ		0.021	0.012	0.004	0.026	0.006	0.003	0%	0.481	0.006
%RSD		7.836	6.863	2.188	13.400	2.744	103.700	0	23.130	7.252

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:09	0.950	-2.016	-0.095	-0.245	-0.199	-0.101	-0.520	-0.559	86%
2	21:37:17	1.321	-2.583	-0.105	-0.288	-0.202	-0.107	-0.575	-0.548	86%
3	21:38:26	0.751	-1.622	-0.100	-0.202	-0.258	-0.113	-0.520	-0.537	85%
x		1.007	-2.074	-0.100	-0.245	-0.220	-0.107	-0.538	-0.548	86%
σ		0.289	0.483	0.005	0.043	0.033	0.006	0.032	0.011	0%
%RSD		28.720	23.280	5.079	17.600	15.240	5.448	5.906	1.949	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:36:09	85%	-0.101	-0.106	-0.099	-0.109	-0.106	85%	-0.103
2	21:37:17	85%	-0.117	-0.107	-0.116	-0.101	-0.108	84%	-0.103
3	21:38:26	84%	-0.094	-0.113	-0.116	-0.092	-0.103	82%	-0.103
x		85%	-0.104	-0.109	-0.110	-0.101	-0.106	84%	-0.103
σ		0%	0.012	0.004	0.009	0.009	0.002	2%	0.000
%RSD		1	11.320	3.586	8.604	8.543	2.179	2	0.018

zzzzzz 06/05/2011 09:42:58 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	21:44:06	92%	-0.261	-1.669	0.000	-22.790	-16.060	-15.590	-16.330	-5.014
2	21:45:15	94%	-0.293	-2.205	0.000	-22.810	-16.360	-15.590	-16.670	-5.018
3	21:46:23	96%	-0.218	-1.832	0.000	-22.850	-15.860	-14.920	-16.160	-4.929
x		94%	-0.257	-1.902	0.000	-22.810	-16.090	-15.370	-16.380	-4.987
σ		2%	0.038	0.275	0.000	0.030	0.251	0.386	0.259	0.050
%RSD		2	14.710	14.460	0.000	0.134	1.560	2.509	1.578	1.012
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:06	4.532	2.569	0.000	0.000	-4.915	-13.460	-20.230	85%	-0.178
2	21:45:15	3.645	1.825	0.000	0.000	-8.212	-15.990	-23.810	90%	-0.218
3	21:46:23	4.059	-1.556	0.000	0.000	-7.754	-19.620	-22.250	90%	-0.180
x		4.079	0.946	0.000	0.000	-6.961	-16.360	-22.100	88%	-0.192
σ		0.444	2.199	0.000	0.000	1.786	3.096	1.794	3%	0.023
%RSD		10.870	232.500	0.000	0.000	25.660	18.930	8.118	3	11.830
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:06	-1.145	0.041	33.450	-8.174	-0.257	3.720	-8.209	-0.122	-0.091
2	21:45:15	-0.561	0.010	30.060	-12.470	-0.222	2.155	-8.427	-0.116	-0.095
3	21:46:23	-0.745	-0.025	28.330	-7.427	-0.227	2.801	-9.803	-0.127	-0.085
x		-0.817	0.009	30.610	-9.357	-0.236	2.892	-8.813	-0.122	-0.090
σ		0.299	0.033	2.607	2.722	0.019	0.787	0.864	0.006	0.005
%RSD		36.580	374.900	8.514	29.090	8.048	27.200	9.805	4.646	5.658
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:06	-0.258	-0.293	-0.814	-0.181	-0.655	0.180	0.688	-0.655	2.728
2	21:45:15	-0.176	-0.267	-0.612	0.287	-0.445	0.126	-0.860	-0.445	0.244
3	21:46:23	-0.221	-0.305	-0.871	-0.190	-0.143	0.161	-0.323	-0.142	0.202
x		-0.218	-0.289	-0.766	-0.028	-0.414	0.156	-0.165	-0.414	1.058
σ		0.041	0.019	0.136	0.273	0.257	0.028	0.786	0.258	1.446
%RSD		18.730	6.752	17.750	975.400	62.170	17.860	475.600	62.240	136.700
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:06	-0.300	-0.190	-0.175	-0.160	-0.192	-0.004	82%	-0.776	-0.088
2	21:45:15	-0.316	-0.183	-0.184	-0.201	-0.209	0.001	87%	0.624	-0.075
3	21:46:23	-0.302	-0.183	-0.177	-0.201	-0.204	-0.004	88%	-2.304	-0.086
x		-0.306	-0.185	-0.178	-0.187	-0.202	-0.003	86%	-0.819	-0.083
σ		0.008	0.005	0.005	0.024	0.008	0.003	3%	1.465	0.007
%RSD		2.750	2.465	2.557	12.620	4.096	107.400	4	178.900	8.132
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:06	0.319	-0.771	-0.096	-0.173	-0.211	-0.114	-0.516	-0.524	80%
2	21:45:15	-0.311	0.633	-0.102	-0.112	-0.225	-0.106	-0.537	-0.548	85%
3	21:46:23	1.177	-2.299	-0.100	-0.282	-0.185	-0.115	-0.556	-0.548	86%
x		0.395	-0.813	-0.100	-0.189	-0.207	-0.112	-0.536	-0.540	84%
σ		0.747	1.467	0.003	0.086	0.020	0.005	0.020	0.014	3%
%RSD		189.100	180.500	3.034	45.550	9.775	4.435	3.785	2.578	3
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	21:44:06	80%	-0.103	-0.105	-0.122	-0.126	-0.117	77%	-0.102	
2	21:45:15	83%	-0.110	-0.111	-0.120	-0.102	-0.113	81%	-0.104	
3	21:46:23	84%	-0.099	-0.098	-0.124	-0.125	-0.126	84%	-0.102	
x		82%	-0.104	-0.105	-0.122	-0.118	-0.118	81%	-0.102	
σ		2%	0.006	0.006	0.002	0.013	0.007	4%	0.001	
%RSD		3	5.577	5.760	1.493	11.240	5.618	5	0.984	

CCV 06/05/2011 09:50:54 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	21:52:02	94%	512.100	519.600	0.000	50260.000	51070.000	51230.000	50920.000	10230.000
2	21:53:10	99%	489.000	499.400	0.000	49050.000	49480.000	49040.000	49140.000	9841.000
3	21:54:18	98%	501.800	512.200	0.000	51180.000	50420.000	50590.000	50400.000	10090.000
x		97%	501.000	510.400	0.000	50160.000	50320.000	50290.000	50150.000	10050.000
σ		2%	11.590	10.250	0.000	1071.000	799.500	1124.000	912.800	195.400
%RSD		2	2.313	2.007	0.000	2.134	1.589	2.235	1.820	1.944

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:02	527.500	10230.000	0.000	0.000	25960.000	53130.000	50960.000	90%	514.600
2	21:53:10	505.400	9880.000	0.000	0.000	24980.000	52750.000	49990.000	93%	504.100
3	21:54:18	512.900	10100.000	0.000	0.000	25800.000	53750.000	50870.000	92%	502.000
x		515.300	10070.000	0.000	0.000	25580.000	53210.000	50610.000	92%	506.900
σ		11.210	177.400	0.000	0.000	527.200	506.100	539.800	2%	6.738
%RSD		2.176	1.762	0.000	0.000	2.061	0.951	1.067	2	1.329

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:02	519.500	524.000	19.610	26370.000	1040.000	26380.000	26900.000	523.500	525.600
2	21:53:10	504.800	501.400	25.460	26630.000	1012.000	25650.000	26050.000	524.200	520.500
3	21:54:18	511.300	517.300	19.930	26670.000	1019.000	25740.000	26090.000	523.300	528.200
x		511.800	514.200	21.670	26560.000	1024.000	25920.000	26350.000	523.700	524.800
σ		7.351	11.600	3.289	163.900	14.450	398.300	478.700	0.483	3.931
%RSD		1.436	2.255	15.180	0.617	1.412	1.537	1.817	0.092	0.749

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:02	1056.000	1036.000	1043.000	514.200	513.800	-0.303	529.900	513.600	-0.141
2	21:53:10	1029.000	1029.000	1013.000	509.600	516.400	-0.798	514.600	517.200	2.715
3	21:54:18	1025.000	1039.000	1031.000	506.600	520.200	-0.327	510.200	519.600	4.963
x		1036.000	1035.000	1029.000	510.100	516.800	-0.476	518.300	516.800	2.512
σ		16.810	4.917	15.310	3.819	3.240	0.279	10.340	2.989	2.558
%RSD		1.622	0.475	1.488	0.749	0.627	58.660	1.994	0.578	101.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:02	500.900	488.700	498.800	497.300	499.300	0.001	88%	514.300	510.500
2	21:53:10	504.100	492.500	496.900	504.200	500.600	0.015	90%	493.500	516.200
3	21:54:18	514.200	490.700	489.300	493.300	495.700	0.000	91%	494.200	505.500
x		506.400	490.600	495.000	498.300	498.500	0.005	90%	500.600	510.800
σ		6.913	1.933	5.045	5.488	2.586	0.009	1%	11.810	5.383
%RSD		1.365	0.394	1.019	1.101	0.519	156.500	2	2.359	1.054

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:02	4.143	514.300	511.400	514.100	494.500	499.500	2490.000	2472.000	89%
2	21:53:10	18.910	493.900	509.000	507.400	496.900	503.400	2465.000	2497.000	88%
3	21:54:18	9.130	494.700	507.400	509.300	497.200	495.700	2444.000	2447.000	89%
x		10.730	501.000	509.300	510.300	496.200	499.500	2466.000	2472.000	89%
σ		7.511	11.560	2.007	3.451	1.470	3.885	23.380	25.440	0%
%RSD		70.010	2.307	0.394	0.676	0.296	0.778	0.948	1.029	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:02	87%	499.800	496.900	498.800	498.800	504.500	83%	495.400
2	21:53:10	88%	506.600	502.700	508.100	508.500	503.100	84%	499.700
3	21:54:18	88%	495.700	492.700	496.300	493.600	498.100	86%	481.300
x		88%	500.700	497.400	501.100	500.300	501.900	84%	492.100
σ		1%	5.472	5.062	6.174	7.558	3.328	1%	9.605
%RSD		1	1.093	1.018	1.232	1.511	0.663	1	1.952

CCB 06/05/2011 09:58:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:59:56	102%	-0.203	5.862	0.000	-21.520	-12.370	-12.330	-12.020	-4.486
2	22:01:04	101%	-0.180	3.269	0.000	-20.320	-12.150	-10.730	-10.960	-4.361
3	22:02:13	102%	-0.195	4.069	0.000	-14.540	-6.653	-5.822	-6.308	-3.242
x		102%	-0.193	4.400	0.000	-18.790	-10.390	-9.629	-9.763	-4.030
σ		1%	0.012	1.328	0.000	3.731	3.238	3.393	3.039	0.685
%RSD		1	6.001	30.170	0.000	19.860	31.170	35.240	31.130	16.990

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:59:56	-0.333	3.298	0.000	0.000	-1.444	-13.790	-26.280	97%	-0.040
2	22:01:04	0.366	2.224	0.000	0.000	-2.270	-14.060	-22.670	99%	-0.043
3	22:02:13	0.954	-0.267	0.000	0.000	1.992	-1.009	-21.900	98%	-0.148
x		0.329	1.752	0.000	0.000	-0.574	-9.622	-23.620	98%	-0.077
σ		0.644	1.829	0.000	0.000	2.260	7.461	2.337	1%	0.061
%RSD		195.700	104.400	0.000	0.000	393.800	77.540	9.895	1	79.200

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:59:56	-0.400	-0.055	16.310	-4.735	-0.149	-2.077	-5.120	-0.059	-0.101
2	22:01:04	0.083	0.012	14.890	-6.071	-0.152	-2.471	-6.762	-0.072	-0.022
3	22:02:13	-0.327	-0.020	15.210	-4.608	-0.023	0.237	-4.800	-0.000	0.037
x		-0.215	-0.021	15.470	-5.138	-0.108	-1.437	-5.560	-0.044	-0.029
σ		0.261	0.033	0.746	0.811	0.074	1.463	1.053	0.038	0.069
%RSD		121.300	156.300	4.823	15.770	68.420	101.800	18.930	87.080	239.800

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:59:56	-0.139	-0.134	-0.621	-0.280	0.187	0.132	-0.392	0.187	0.043
2	22:01:04	-0.115	-0.092	-0.534	0.086	-0.862	0.042	0.824	-0.862	1.030
3	22:02:13	-0.018	-0.024	-0.703	0.051	-0.143	0.075	0.791	-0.142	-0.279
x		-0.091	-0.083	-0.619	-0.048	-0.272	0.083	0.408	-0.273	0.265
σ		0.064	0.056	0.084	0.202	0.536	0.045	0.693	0.536	0.682
%RSD		70.420	67.000	13.580	423.500	197.000	54.380	170.000	196.800	257.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:59:56	0.203	0.424	0.599	0.555	0.593	-0.004	97%	-0.642	-0.021
2	22:01:04	0.087	0.305	0.463	0.191	0.258	-0.004	95%	0.622	-0.010
3	22:02:13	0.128	0.224	0.230	0.239	0.231	-0.004	97%	-0.856	0.056
x		0.139	0.318	0.430	0.328	0.361	-0.004	97%	-0.292	0.008
σ		0.059	0.101	0.187	0.198	0.201	0.000	1%	0.799	0.042
%RSD		42.290	31.720	43.400	60.350	55.860	0.000	1	273.300	512.100

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:59:56	0.396	-0.628	-0.038	-0.106	0.505	0.587	-0.270	-0.167	92%
2	22:01:04	-0.237	0.626	0.007	-0.033	0.284	0.466	-0.135	-0.217	94%
3	22:02:13	0.507	-0.845	0.025	-0.052	0.216	0.350	-0.002	-0.052	93%
x		0.222	-0.282	-0.002	-0.064	0.335	0.467	-0.136	-0.145	93%
σ		0.401	0.794	0.032	0.038	0.151	0.118	0.134	0.084	1%
%RSD		180.800	281.400	1691.000	59.410	45.130	25.330	98.770	58.000	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:59:56	92%	-0.040	-0.037	-0.055	-0.057	-0.058	92%	-0.022
2	22:01:04	94%	-0.047	-0.012	-0.057	-0.065	-0.058	93%	-0.021
3	22:02:13	94%	0.049	0.014	0.001	-0.015	-0.000	92%	0.017
x		93%	-0.013	-0.012	-0.037	-0.046	-0.039	93%	-0.009
σ		1%	0.054	0.025	0.033	0.027	0.033	1%	0.022
%RSD		1	417.100	215.900	88.460	58.590	85.860	1	252.900

Mass Uncorrected ICPS

S0 (S0) 06/05/2011 03:15:16 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:16:25	34051.472	27.604	64.063	310.941	35589.589	9625.116	1190.675	1512.580	3872.400
2	15:17:33	33971.594	22.917	57.813	309.378	32417.991	8146.072	1087.541	1309.435	2992.501
3	15:18:41	34051.472	17.708	39.063	353.129	28605.173	6568.697	918.780	1112.543	2629.930
x		34024.846	22.743	53.646	324.483	32204.251	8113.295	1065.665	1311.520	3164.943
σ		46.117	4.950	13.010	24.821	3497.110	1528.473	137.261	200.027	638.933
%RSD		0.136	21.766	24.252	7.649	10.859	18.839	12.880	15.252	20.188

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:16:25	2923.737	1285.995	20963.808	90337.857	65597.134	37.500	934.406	90550.132	10.938
2	15:17:33	2995.627	1284.433	21029.530	89998.224	64217.450	23.438	757.833	90235.652	12.500
3	15:18:41	3081.582	1218.802	21087.427	91158.672	63129.806	28.125	698.455	90098.855	6.250
x		3000.315	1263.077	21026.922	90498.251	64314.797	29.688	796.898	90294.880	9.896
σ		79.027	38.351	61.851	596.619	1236.542	7.160	122.730	231.395	3.253
%RSD		2.634	3.036	0.294	0.659	1.923	24.119	15.401	0.256	32.868

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:16:25	2095.466	382.818	775.021	3903.658	443.757	45561.602	579.699	123.438	35.938
2	15:17:33	1986.076	404.693	598.450	3772.373	395.318	43853.143	526.572	90.625	23.438
3	15:18:41	2054.835	373.442	673.453	3706.731	378.130	43194.892	479.696	93.750	23.438
x		2045.459	386.984	682.308	3794.254	405.735	44203.212	528.656	102.605	27.604
σ		55.295	16.037	88.618	100.271	34.031	1221.573	50.034	18.110	7.217
%RSD		2.703	4.144	12.988	2.643	8.387	2.764	9.464	17.650	26.144

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:16:25	143.751	82.813	206.251	43.229	4.688	4.688	158.334	10.417	8.333
2	15:17:33	143.751	67.188	192.189	32.292	3.125	3.125	157.813	9.375	7.292
3	15:18:41	89.063	35.938	195.314	24.479	6.250	6.250	164.063	11.458	11.458
x		125.521	61.979	197.918	33.333	4.688	4.688	160.070	10.417	9.028
σ		31.574	23.868	7.384	9.418	1.563	1.563	3.468	1.042	2.168
%RSD		25.154	38.509	3.731	28.255	33.333	33.333	2.166	10.000	24.019

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	15:16:25	43.750	54.688	62.500	42.188	98.438	0.000	196976.820	104.688	60.938
2	15:17:33	56.250	39.063	43.750	31.250	85.938	4.688	199934.680	115.625	75.000
3	15:18:41	28.125	34.375	40.625	17.188	56.250	0.000	199440.340	117.188	57.813
x		42.708	42.708	48.958	30.208	80.209	1.563	198783.950	112.500	64.583
σ		14.091	10.636	11.831	12.533	21.670	2.706	1584.412	6.811	9.155
%RSD		32.995	24.903	24.166	41.487	27.016	173.205	0.797	6.054	14.176

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	15:16:25	1.563	1.563	81.250	32.813	139.063	90.625	67.188	126.563	424495.800
2	15:17:33	1.563	1.563	67.188	29.688	135.938	75.000	53.125	87.500	415115.160
3	15:18:41	1.563	1.563	79.688	12.500	131.251	70.313	48.438	75.000	426895.430
x		1.563	1.563	76.042	25.000	135.417	78.646	56.250	96.355	422168.800
σ		0.000	0.000	7.708	10.938	3.932	10.636	9.758	26.898	6225.343
%RSD		0.000	0.000	10.136	43.750	2.904	13.524	17.347	27.915	1.475

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	15:16:25	442150.630	142.188	346.879	121.876	98.438	271.878	347281.400	492.196
2	15:17:33	443438.060	126.563	326.566	126.563	104.688	260.940	346564.300	421.881
3	15:18:41	446467.770	87.500	229.689	84.375	103.125	195.314	343027.330	309.378
x		444018.820	118.751	301.045	110.938	102.084	242.710	345624.340	407.819
σ		2216.390	28.169	62.625	23.123	3.253	41.409	2277.482	92.217
%RSD		0.499	23.721	20.802	20.843	3.186	17.061	0.659	22.612

S1 (S) 06/05/2011 03:23:09 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:24:17	34660.747	98.959	129.688	342.192	296889.220	208737.370	27841.166	33279.343	11083.986
2	15:25:25	34562.071	96.354	128.126	321.879	301212.700	211656.420	28407.905	33556.553	11329.491
3	15:26:34	34176.770	97.917	112.500	314.066	300891.990	210318.120	28667.798	33863.526	11254.431
x		34466.529	97.743	123.438	326.045	299664.640	210237.300	28305.623	33566.474	11222.636
σ		255.743	1.311	9.504	14.518	2408.923	1461.199	422.701	292.218	125.803
%RSD		0.742	1.341	7.700	4.453	0.804	0.695	1.493	0.871	1.121

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:24:17	4067.767	1193.800	20571.050	90296.975	258333.590	467.195	8554.123	90059.546	237.502
2	15:25:25	4345.974	1210.989	21272.076	91297.051	261924.660	520.322	8324.300	90024.954	243.752
3	15:26:34	4141.225	1285.995	21225.131	93784.964	262249.280	581.262	8726.102	91050.170	257.815
x		4184.988	1230.261	21022.752	91792.997	260835.840	522.926	8534.841	90378.223	246.356
σ		144.174	49.026	391.889	1796.104	2173.087	57.078	201.594	582.180	10.404
%RSD		3.445	3.985	1.864	1.957	0.833	10.915	2.362	0.644	4.223

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:24:17	5288.479	1656.346	920.342	14080.373	1320.374	218364.050	4753.916	843.775	184.376
2	15:25:25	5376.011	1695.413	879.715	13820.745	1304.747	222084.820	4772.672	787.522	184.376
3	15:26:34	5338.497	1682.912	785.959	13919.278	1292.246	222806.870	4791.428	867.214	160.938
x		5334.329	1678.224	862.005	13940.132	1305.789	221085.250	4772.672	832.837	176.564
σ		43.915	19.951	68.920	131.064	14.093	2384.116	18.756	40.957	13.532
%RSD		0.823	1.189	7.995	0.940	1.079	1.078	0.393	4.918	7.664

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:24:17	895.341	389.068	518.759	131.771	29.688	29.688	259.898	64.583	8.333
2	15:25:25	907.841	418.756	517.197	143.751	48.438	48.438	287.503	72.917	8.854
3	15:26:34	939.093	442.194	514.072	122.396	42.188	42.188	275.523	61.979	7.292
x		914.092	416.673	516.676	132.640	40.104	40.104	274.308	66.493	8.160
σ		22.536	26.624	2.387	10.704	9.547	9.547	13.842	5.713	0.796
%RSD		2.465	6.390	0.462	8.070	23.806	23.806	5.046	8.592	9.750

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	15:24:17	639.077	1103.168	1223.490	734.394	1765.734	1.563	200440.120	104.688	798.460
2	15:25:25	657.828	1137.545	1221.927	760.958	1812.615	0.000	202208.530	121.876	712.518
3	15:26:34	689.079	1092.229	1267.244	757.833	1851.683	0.000	201823.460	135.938	693.767
x		661.995	1110.981	1237.554	751.061	1810.011	0.521	201490.700	120.834	734.915
σ		25.260	23.647	25.724	14.519	43.033	0.902	929.980	15.651	55.825
%RSD		3.816	2.128	2.079	1.933	2.378	173.205	0.462	12.953	7.596

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	15:24:17	9.375	9.375	707.830	171.876	2287.683	1251.617	1062.540	1706.352	417598.490
2	15:25:25	20.313	20.313	775.021	182.814	2195.481	1212.552	985.972	1726.667	422001.640
3	15:26:34	17.188	17.188	787.522	203.126	2345.505	1275.057	1003.160	1717.291	416824.810
x		15.625	15.625	756.791	185.939	2276.223	1246.409	1017.224	1716.770	418808.310
σ		5.634	5.634	42.860	15.858	75.666	31.577	40.175	10.167	2792.428
%RSD		36.056	36.056	5.663	8.529	3.324	2.533	3.949	0.592	0.667

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	15:24:17	439402.120	960.970	2473.652	814.086	681.266	1754.795	335447.360	156.251
2	15:25:25	442224.740	967.220	2458.024	746.895	771.896	1820.429	341220.760	175.001
3	15:26:34	443737.780	975.033	2387.700	742.207	745.332	1851.683	349208.790	121.876
x		441788.210	967.741	2439.792	767.729	732.831	1808.969	341958.970	151.042
σ		2200.546	7.046	45.785	40.214	46.590	49.450	6910.351	26.943
%RSD		0.498	0.728	1.877	5.238	6.358	2.734	2.021	17.838

S2 (S) 06/05/2011 03:31:02 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:32:10	34773.520	9284.787	2237.675	367.192	6888239.000	4969729.100	677317.570	805847.370	1120411.100
2	15:33:18	35229.323	9301.465	2328.315	375.005	6912102.600	4978140.200	676377.390	803695.120	1135342.400
3	15:34:26	34314.600	9326.481	2281.432	356.254	6836661.100	4960884.600	681085.980	803495.280	1134344.200
x		34772.481	9304.244	2282.474	366.151	6879000.900	4969584.600	678260.320	804345.920	1130032.600
σ		457.362	20.985	45.329	9.419	38559.867	8628.745	2491.840	1304.124	8347.351
%RSD		1.315	0.226	1.986	2.572	0.561	0.174	0.367	0.162	0.739

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:32:10	26615.395	46353.205	21563.137	92539.381	2427836.300	11728.250	194390.190	91227.861	5894.966
2	15:33:18	26712.451	46807.809	22045.121	92542.526	2478169.200	11878.374	196398.630	90940.098	5887.150
3	15:34:26	27227.485	47439.575	21934.013	95134.469	2502997.600	11929.979	193558.700	90708.948	5687.069
x		26851.777	46866.863	21847.424	93405.459	2469667.700	11845.534	194782.510	90958.969	5823.062
σ		328.971	545.587	252.390	1497.367	38295.072	104.798	1460.046	259.971	117.838
%RSD		1.225	1.164	1.155	1.603	1.551	0.885	0.750	0.286	2.024

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:32:10	83696.022	82874.064	10567.970	333259.540	249589.570	5586867.100	132153.730	101580.180	21096.816
2	15:33:18	84929.834	84678.348	10603.934	341769.590	257067.300	5547701.900	132284.670	101619.520	21461.421
3	15:34:26	84233.543	82682.332	10505.424	336301.470	254352.160	5616463.700	130653.940	102824.980	21484.894
x		84286.466	83411.581	10559.109	337110.200	253669.680	5583677.600	131697.440	102008.230	21347.710
σ		618.606	1101.233	49.849	4312.282	3785.296	34491.679	906.072	707.600	217.598
%RSD		0.734	1.320	0.472	1.279	1.492	0.618	0.688	0.694	1.019

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:32:10	102773.040	48751.794	38750.924	13233.731	984.409	984.409	3152.431	1269.848	7.813
2	15:33:18	103665.390	48397.467	37668.346	13230.603	923.467	923.467	3169.102	1271.411	8.854
3	15:34:26	104143.850	49923.016	39056.441	13347.900	935.968	935.968	3130.030	1296.413	8.333
x		103527.430	49024.093	38491.904	13270.745	947.948	947.948	3150.521	1279.224	8.333
σ		695.742	798.395	729.397	66.837	32.189	32.189	19.605	14.907	0.521
%RSD		0.672	1.629	1.895	0.504	3.396	3.396	0.622	1.165	6.250

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	15:32:10	15741.481	27474.832	30092.599	17405.910	44748.099	0.000	197816.430	1992.326	89183.765
2	15:33:18	16328.076	27208.699	31919.996	17088.339	45371.937	0.000	200752.270	2043.896	88976.227
3	15:34:26	16348.412	27963.279	31555.124	17776.678	46041.261	0.000	198657.670	1939.194	88411.801
x		16139.323	27548.937	31189.240	17423.643	45387.099	0.000	199075.460	1991.806	88857.264
σ		344.691	382.709	967.083	344.512	646.714	0.000	1511.854	52.353	399.495
%RSD		2.136	1.389	3.101	1.977	1.425	0.000	0.759	2.628	0.450

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	15:32:10	1448.511	1448.511	89447.909	21502.107	55549.981	74374.351	61182.297	104839.540	416046.360
2	15:33:18	1354.752	1354.752	89807.969	21999.739	56495.867	76659.823	60887.291	104871.020	419319.690
3	15:34:26	1340.688	1340.688	88708.947	21675.807	56161.741	75444.001	60141.956	106402.600	420912.390
x		1381.317	1381.317	89321.608	21725.884	56069.196	75492.725	60737.181	105371.050	418759.480
σ		58.615	58.615	560.291	252.567	479.686	1143.514	536.169	893.482	2480.917
%RSD		4.243	4.243	0.627	1.163	0.856	1.515	0.883	0.848	0.592

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	15:32:10	429829.920	111464.410	277468.690	90020.237	86091.444	202717.230	339667.200	459213.960
2	15:33:18	442957.880	112196.670	279300.760	90587.870	88142.960	207332.760	339991.980	466686.290
3	15:34:26	432932.460	111579.370	281940.930	91014.004	88619.331	207148.870	333803.260	464769.030
x		435240.090	111746.820	279570.120	90540.704	87617.912	205732.960	337820.820	463556.430
σ		6861.463	393.804	2248.251	498.560	1343.246	2613.314	3483.091	3880.944
%RSD		1.576	0.352	0.804	0.551	1.533	1.270	1.031	0.837

S3 (S) 06/05/2011 03:38:54 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:40:03	35003.769	18550.057	4306.899	348.442	13652249.000	9954228.200	1325860.300	1577114.300	2187305.000
2	15:41:11	34386.648	18607.423	4399.115	428.131	13456632.000	9722269.500	1324900.900	1571048.400	2201898.800
3	15:42:19	34195.565	18388.390	4338.159	362.505	13542784.000	9818965.800	1329603.700	1570596.100	2196977.400
x		34528.661	18515.290	4348.057	379.693	13550555.000	9831821.200	1326788.300	1572919.600	2195393.700
σ		422.403	113.580	46.898	42.534	98039.667	116512.440	2484.957	3639.719	7424.667
%RSD		1.223	0.613	1.079	11.202	0.724	1.185	0.187	0.231	0.338

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:40:03	49821.099	91823.849	21625.731	92234.293	4834945.300	26887.342	380264.890	90795.432	11632.859
2	15:41:11	49896.361	92751.689	21879.242	94738.098	4833714.400	26293.217	383626.430	90988.844	11238.794
3	15:42:19	49408.733	91911.912	21851.074	95917.805	4878088.900	25550.013	385300.270	89311.119	11515.577
x		49708.731	92162.483	21785.349	94296.732	4848916.200	26243.524	383063.860	90365.132	11462.410
σ		262.517	512.163	138.949	1881.002	25271.820	670.048	2564.397	917.910	202.341
%RSD		0.528	0.556	0.638	1.995	0.521	2.553	0.669	1.016	1.765

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:40:03	168204.770	168258.520	20582.003	656732.810	503856.520	11191133.000	258507.780	198424.780	41076.156
2	15:41:11	166364.660	164567.460	20546.014	660764.020	500488.030	11145200.000	259186.260	197642.170	41629.317
3	15:42:19	166900.540	168664.830	20366.069	661694.710	504785.330	11248926.000	264921.190	203585.700	42052.428
x		167156.650	167163.600	20498.029	659730.520	503043.300	11195086.000	260871.740	199884.220	41585.967
σ		946.413	2257.487	115.688	2637.466	2261.127	51975.510	3523.290	3229.374	489.577
%RSD		0.566	1.350	0.564	0.400	0.449	0.464	1.351	1.616	1.177

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:40:03	202882.040	94752.253	75875.967	26568.433	1887.625	1887.625	6073.166	2471.568	14.583
2	15:41:11	206153.380	96617.811	75360.751	26285.619	1700.101	1700.101	6053.366	2517.930	8.854
3	15:42:19	203877.310	97094.464	76554.573	26538.168	1701.664	1701.664	6059.097	2548.665	11.458
x		204304.250	96154.843	75930.430	26464.073	1763.130	1763.130	6061.876	2512.721	11.632
σ		1676.935	1237.838	598.772	155.285	107.818	107.818	10.188	38.812	2.869
%RSD		0.821	1.287	0.789	0.587	6.115	6.115	0.168	1.545	24.661

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	15:40:03	31976.372	55720.957	60353.784	34582.432	89815.831	0.000	198440.620	3944.294	177171.560
2	15:41:11	32153.331	55752.329	61097.561	35315.473	92361.674	1.563	196550.700	3830.201	174642.260
3	15:42:19	32156.463	54828.452	60921.812	35338.968	91248.304	0.000	199014.140	3966.176	177389.870
x		32095.389	55433.913	60791.052	35078.958	91141.936	0.521	198001.820	3913.557	176401.230
σ		103.083	524.579	388.747	430.164	1276.250	0.902	1289.010	73.013	1527.216
%RSD		0.321	0.946	0.639	1.226	1.400	173.205	0.651	1.866	0.866

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	15:40:03	2939.365	2939.365	175749.470	43273.253	108518.420	148958.510	120682.610	208188.830	416281.180
2	15:41:11	2837.782	2837.782	177340.830	42687.119	108471.190	150854.820	122431.770	211294.870	415184.310
3	15:42:19	2783.084	2783.084	177060.820	43108.695	112018.720	152704.000	121624.920	211523.210	412075.920
x		2853.410	2853.410	176717.040	43023.022	109669.440	150839.110	121579.770	210335.640	414513.800
σ		79.304	79.304	849.557	302.313	2034.671	1872.792	875.456	1862.694	2181.338
%RSD		2.779	2.779	0.481	0.703	1.855	1.242	0.720	0.886	0.526

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	15:40:03	433977.530	221367.560	563732.590	180335.780	172304.760	407476.460	332365.630	914041.270
2	15:41:11	433764.960	222756.090	563813.830	180221.860	168699.610	409223.790	336654.960	920497.620
3	15:42:19	433818.100	222451.390	558591.110	181720.350	171534.640	405266.470	335431.360	929656.870
x		433853.530	222191.680	562045.840	180759.330	170846.340	407322.240	334817.320	921398.590
σ		110.621	729.785	2992.161	834.214	1898.575	1983.162	2209.608	7846.691
%RSD		0.025	0.328	0.532	0.462	1.111	0.487	0.660	0.852

S4 (S) 06/05/2011 03:46:48 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:47:56	33940.270	35518.579	8372.765	421.881	26861458.000	19280642.000	2606051.300	3071659.500	4311367.100
2	15:49:04	32926.965	35514.924	8332.117	470.320	26885226.000	19080837.000	2635829.400	3154726.300	4345917.400
3	15:50:12	32914.436	35657.988	8443.119	432.819	26740293.000	19260321.000	2674897.800	3150525.400	4351127.600
x		33260.557	35563.831	8382.667	441.674	26828992.000	19207267.000	2638926.200	3125637.100	4336137.400
σ		588.682	81.563	56.160	25.404	77729.795	109961.330	34527.550	46793.104	21609.238
%RSD		1.770	0.229	0.670	5.752	0.290	0.572	1.308	1.497	0.498

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:47:56	93370.988	177263.310	20818.283	92750.116	9473884.900	48486.313	752909.250	89628.724	22790.039
2	15:49:04	95187.184	179653.830	21391.003	95099.864	9479348.800	49667.986	761666.590	90023.381	22711.790
3	15:50:12	93684.193	179772.500	21032.659	95169.073	9353460.300	49972.722	760543.430	90274.962	22495.823
x		94080.788	178896.550	21080.648	94339.684	9435564.700	49375.674	758373.090	89975.689	22665.884
σ		970.880	1415.669	289.360	1377.041	71156.933	785.136	4765.033	325.748	152.385
%RSD		1.032	0.791	1.373	1.460	0.754	1.590	0.628	0.362	0.672

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:47:56	322234.320	323662.950	39631.459	1313609.000	998420.880	21597954.000	502990.830	394770.830	82237.589
2	15:49:04	326741.220	326309.650	39416.804	1306576.100	1002973.800	21716797.000	505714.260	393685.230	82561.323
3	15:50:12	327379.010	323392.870	39280.492	1289232.900	998074.450	21673884.000	502659.920	392215.940	80851.586
x		325451.520	324455.160	39442.918	1303139.300	999823.050	21662878.000	503788.340	393557.330	81883.499
σ		2804.367	1611.703	176.935	12546.190	2734.129	60180.909	1676.087	1282.234	908.204
%RSD		0.862	0.497	0.449	0.963	0.273	0.278	0.333	0.326	1.109

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:47:56	389804.390	185504.460	146590.460	51852.266	3445.728	3445.728	11657.880	4923.244	8.333
2	15:49:04	392318.710	188037.250	150962.190	51681.858	3489.489	3489.489	11734.505	4974.824	10.417
3	15:50:12	392654.300	185797.290	148257.530	51418.933	3491.052	3491.052	11897.139	4952.421	9.896
x		391592.470	186446.330	148603.390	51651.019	3475.423	3475.423	11763.175	4950.163	9.549
σ		1557.583	1385.533	2206.296	218.306	25.728	25.728	122.179	25.864	1.084
%RSD		0.398	0.743	1.485	0.423	0.740	0.740	1.039	0.522	11.355

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	15:47:56	64211.172	109652.030	121435.820	69525.020	178796.300	1.563	191572.820	7630.162	345559.130
2	15:49:04	64211.172	111404.570	123273.340	69787.231	178870.660	1.563	198641.830	7392.537	342648.070
3	15:50:12	64211.172	111020.350	123880.110	70022.754	178894.390	4.688	195701.660	7564.502	341070.360
x		64211.172	110692.320	122863.090	69778.335	178853.780	2.604	195305.440	7529.067	343092.520
σ		0.000	921.171	1272.739	248.987	51.177	1.804	3551.119	122.712	2277.152
%RSD		0.000	0.832	1.036	0.357	0.029	69.282	1.818	1.630	0.664

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	15:47:56	5532.321	5532.321	344602.050	85058.723	217516.900	296072.530	246149.390	420523.050	415454.500
2	15:49:04	5612.040	5612.040	347609.550	84705.068	218741.640	306100.910	244037.050	417305.740	418956.130
3	15:50:12	5505.748	5505.748	345208.620	84393.860	221272.360	294999.100	242789.500	421007.320	420796.550
x		5550.036	5550.036	345806.740	84719.217	219176.970	299057.520	244325.320	419612.030	418402.390
σ		55.316	55.316	1590.463	332.657	1915.200	6123.325	1698.394	2011.934	2713.733
%RSD		0.997	0.997	0.460	0.393	0.874	2.048	0.695	0.479	0.649

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	15:47:56	436720.170	442401.980	1116884.800	359169.990	343600.220	811631.750	330673.920	1868210.000
2	15:49:04	442371.370	450989.330	1120320.000	362449.720	355373.680	837351.130	337648.310	1904256.800
3	15:50:12	440144.780	446056.780	1128362.800	367672.870	351816.940	834965.850	335228.240	1894747.200
x		439745.440	446482.700	1121855.900	363097.530	350263.610	827982.910	334516.820	1889071.300
σ		2846.683	4309.487	5891.139	4288.294	6038.472	14210.657	3541.200	18681.653
%RSD		0.647	0.965	0.525	1.181	1.724	1.716	1.059	0.989

S5 (S) 06/05/2011 03:54:41 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:55:49	32250.425	69710.818	16107.513	512.509	52197948.000	37241703.000	5027579.200	5929968.700	8406361.900
2	15:56:57	33360.783	68023.547	15940.138	535.948	51097746.000	36457184.000	4956896.600	5978063.300	8386311.200
3	15:58:05	32612.182	69232.458	16296.790	523.447	52566266.000	37093967.000	5065838.100	5981343.400	8550751.600
x		32741.130	68988.941	16114.814	523.968	51953986.000	36930951.000	5016771.300	5963125.100	8447808.200
σ		566.299	869.596	178.438	11.728	764051.920	416890.980	55269.097	28761.096	89713.504
%RSD		1.730	1.260	1.107	2.238	1.471	1.129	1.102	0.482	1.062

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:55:49	181373.760	348294.690	21004.493	89721.491	18319468.000	97426.002	1501639.200	87391.489	43773.211
2	15:56:57	178308.680	342344.040	21110.899	92102.194	17998062.000	94540.878	1462923.800	89084.712	44102.346
3	15:58:05	181212.230	349484.150	20840.190	93486.140	18381015.000	96329.830	1493055.600	88957.360	44892.300
x		180298.220	346707.620	20985.194	91769.942	18232848.000	96098.904	1485872.900	88477.854	44255.952
σ		1724.886	3825.491	136.383	1904.190	205646.050	1456.359	20332.595	942.972	575.141
%RSD		0.957	1.103	0.650	2.075	1.128	1.515	1.368	1.066	1.300

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:55:49	629190.060	634751.600	75591.653	2396394.300	1916834.000	41940452.000	966727.060	759481.290	157226.090
2	15:56:57	625356.820	625781.060	75575.945	2364563.600	1874860.400	41327283.000	958180.610	741805.040	152525.540
3	15:58:05	633350.820	624727.020	75638.777	2390792.600	1912963.000	41623011.000	959685.170	760049.400	157229.250
x		629299.230	628419.890	75602.125	2383916.800	1901552.400	41630248.000	961530.950	753778.580	155660.300
σ		3998.115	5508.690	32.698	16992.831	23196.912	306648.500	4562.411	10373.277	2714.776
%RSD		0.635	0.877	0.043	0.713	1.220	0.737	0.474	1.376	1.744

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:55:49	768715.440	357867.600	281062.940	99881.286	6939.185	6939.185	22021.648	9452.605	7.813
2	15:56:57	754153.630	353277.320	275028.430	98701.252	6735.963	6735.963	22061.814	9304.592	11.979
3	15:58:05	764799.360	365714.170	279378.820	101036.240	6618.720	6618.720	22351.848	9238.924	13.021
x		762556.140	358953.030	278490.060	99872.926	6764.623	6764.623	22145.103	9332.040	10.938
σ		7535.624	6289.071	3113.879	1167.517	162.143	162.143	180.169	109.453	2.756
%RSD		0.988	1.752	1.118	1.169	2.397	2.397	0.814	1.173	25.198

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	15:55:49	125158.370	218187.960	239071.330	137024.320	352744.070	3.125	187831.450	14171.088	665637.310
2	15:56:57	123493.980	211391.600	233398.990	133297.120	350316.670	0.000	192952.140	14228.958	643909.010
3	15:58:05	123481.370	215186.700	236886.950	137030.630	355176.680	0.000	187614.560	14216.445	660096.710
x		124044.570	214922.080	236452.420	135784.030	352745.810	1.042	189466.050	14205.497	656547.680
σ		964.597	3405.897	2861.025	2153.725	2430.003	1.804	3020.991	30.449	11290.550
%RSD		0.778	1.585	1.210	1.586	0.689	173.205	1.594	0.214	1.720

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	15:55:49	10971.399	10971.399	660500.690	162228.430	423453.030	578340.060	468477.900	804633.280	406868.880
2	15:56:57	10625.825	10625.825	643330.680	159283.070	418671.400	569308.230	462495.440	804063.440	407508.610
3	15:58:05	10700.881	10700.881	658682.050	160077.810	421340.360	581100.320	470844.450	820351.450	401861.340
x		10766.035	10766.035	654171.140	160529.770	421154.930	576249.540	467272.590	809682.720	405412.940
σ		181.766	181.766	9432.048	1523.809	2396.202	6167.743	4303.028	9243.776	3092.364
%RSD		1.688	1.688	1.442	0.949	0.569	1.070	0.921	1.142	0.763

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	15:55:49	428522.770	854761.630	2128949.900	687701.100	663062.230	1559521.000	312051.020	3604833.400
2	15:56:57	421594.570	834879.780	2090672.900	670702.080	636372.960	1505228.100	321836.440	3539269.900
3	15:58:05	413976.580	831387.830	2123870.600	672317.610	645093.500	1529718.900	305472.040	3529717.700
x		421364.640	840343.080	2114497.800	676906.930	648176.230	1531489.300	313119.830	3557940.400
σ		7275.820	12608.302	20788.687	9382.860	13609.067	27189.701	8234.388	40890.484
%RSD		1.727	1.500	0.983	1.386	2.100	1.775	2.630	1.149

ICV 06/05/2011 04:18:26 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:19:34	33060.085	6874.049	8982.511	390.630	1057221.000	458184.820	60909.259	74324.091	215456.340
2	16:20:42	33099.238	6817.251	9157.622	321.879	1049715.500	463076.310	62878.702	72880.746	210673.290
3	16:21:51	33130.560	6755.764	8697.960	343.754	1043261.200	451730.970	60716.253	73634.597	216534.970
x		33096.628	6815.688	8946.031	352.088	1050065.900	457664.030	61501.404	73613.144	214221.530
σ		35.310	59.158	231.992	35.125	6986.518	5690.572	1196.672	721.912	3119.834
%RSD		0.107	0.868	2.593	9.976	0.665	1.243	1.946	0.981	1.456

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:19:34	95659.834	1187.549	21464.551	90620.891	779910.950	1778.236	30186.547	87727.917	21733.707
2	16:20:42	92573.979	1270.369	21181.316	91643.006	791253.630	1848.557	30094.165	87793.946	22331.503
3	16:21:51	93696.889	1242.242	20851.143	91400.837	774397.840	1803.239	29832.680	87000.049	21882.372
x		93976.901	1233.387	21165.670	91221.578	781854.140	1810.011	30037.797	87507.304	21982.527
σ		1561.868	42.114	307.003	534.116	8594.265	35.646	183.544	440.535	311.229
%RSD		1.662	3.414	1.450	0.586	1.099	1.969	0.611	0.503	1.416

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:19:34	62254.100	61623.249	7897.495	53630.166	94091.659	882333.230	20173.609	76322.084	16052.764
2	16:20:42	62335.705	61325.095	7725.526	54340.656	95434.900	876539.240	20229.939	75715.745	15938.574
3	16:21:51	60846.492	61235.650	7587.952	54447.310	95510.402	881101.190	20187.691	74796.861	15869.747
x		61812.099	61394.665	7736.991	54139.377	95012.320	879991.220	20197.080	75611.563	15953.695
σ		837.235	202.949	155.090	444.203	798.209	3052.311	29.315	767.930	92.441
%RSD		1.354	0.331	2.005	0.820	0.840	0.347	0.145	1.016	0.579

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:19:34	40269.176	18657.488	29009.111	20242.978	1453.199	1453.199	4621.581	1930.860	8.333
2	16:20:42	39778.743	18741.974	28461.136	19857.020	1284.433	1284.433	4572.607	1963.156	10.417
3	16:21:51	38995.337	18440.019	28827.494	19971.242	1446.948	1446.948	4569.481	1907.419	8.854
x		39681.085	18613.160	28765.914	20023.747	1394.860	1394.860	4587.889	1933.812	9.201
σ		642.510	155.782	279.130	198.264	95.684	95.684	29.219	27.985	1.084
%RSD		1.619	0.837	0.970	0.990	6.860	6.860	0.637	1.447	11.783

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:19:34	63487.636	108907.300	120490.370	68981.771	180258.250	0.000	193503.270	1532.895	58285.849
2	16:20:42	63321.275	109184.400	120734.610	68303.524	178421.340	0.000	194923.950	1476.639	64730.779
3	16:21:51	63787.404	110136.990	123375.780	70038.456	179622.190	0.000	196590.300	1618.842	60884.152
x		63532.105	109409.560	121533.580	69107.917	179433.930	0.000	195005.840	1542.792	61300.260
σ		236.225	645.023	1600.053	874.318	932.812	0.000	1545.145	71.616	3242.551
%RSD		0.372	0.590	1.317	1.265	0.520	0.000	0.792	4.642	5.290

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:19:34	1112.543	1112.543	59948.960	16676.916	219987.110	111843.920	9443.745	16018.351	406579.570
2	16:20:42	1192.237	1192.237	61499.279	16329.640	218538.570	114040.880	9399.967	15977.680	408328.400
3	16:21:51	1095.355	1095.355	60636.226	16664.401	221930.890	112689.590	9313.973	16451.655	410887.730
x		1133.378	1133.378	60694.822	16556.986	220152.190	112858.130	9385.895	16149.229	408598.570
σ		51.693	51.693	776.819	196.987	1702.176	1108.132	66.021	262.697	2166.753
%RSD		4.561	4.561	1.280	1.190	0.773	0.982	0.703	1.627	0.530

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:19:34	430926.280	173242.560	434972.740	140198.650	129889.380	315973.340	329674.660	318.754
2	16:20:42	429487.020	175697.270	442403.590	145051.430	130814.960	312959.640	328087.170	321.879
3	16:21:51	433922.780	176665.350	446441.980	144249.620	130772.380	318727.260	335752.850	204.689
x		431445.360	175201.730	441272.770	143166.570	130492.240	315886.740	331171.560	281.774
σ		2262.977	1764.380	5817.638	2601.368	522.525	2884.785	4046.132	66.776
%RSD		0.525	1.007	1.318	1.817	0.400	0.913	1.222	23.698

ICB 06/05/2011 04:26:21 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:27:29	33246.454	24.479	223.439	315.628	25435.123	5044.641	684.391	809.398	1862.621
2	16:28:37	33437.524	19.792	223.439	287.503	26645.138	5787.109	764.083	885.965	1832.930
3	16:29:45	32815.772	21.875	210.939	346.879	25979.852	5391.642	707.830	864.089	1879.811
x		33166.583	22.049	219.273	316.670	26020.038	5407.797	718.768	853.151	1858.454
σ		318.478	2.349	7.217	29.702	606.008	371.498	40.956	39.438	23.717
%RSD		0.960	10.652	3.291	9.379	2.329	6.870	5.698	4.623	1.276

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:27:29	2959.682	1250.055	20760.386	90356.726	62610.339	18.750	495.321	88886.609	34.375
2	16:28:37	2870.601	1204.738	20384.846	90466.794	63147.069	17.188	540.635	88947.926	20.313
3	16:29:45	3206.610	1084.416	21035.789	92161.953	62239.976	28.125	560.949	86795.686	31.250
x		3012.297	1179.736	20727.007	90995.158	62665.795	21.354	532.302	88210.074	28.646
σ		174.074	85.603	326.753	1011.972	456.082	5.916	33.598	1225.279	7.384
%RSD		5.779	7.256	1.576	1.112	0.728	27.702	6.312	1.389	25.777

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:27:29	1453.199	346.879	493.759	3436.351	421.881	40944.529	443.757	185.939	51.563
2	16:28:37	1568.836	464.070	567.199	3558.256	495.321	41944.299	409.381	181.251	34.375
3	16:29:45	1567.274	428.131	490.633	3458.231	410.943	41499.252	385.943	157.813	31.250
x		1529.770	413.027	517.197	3484.279	442.715	41462.693	413.027	175.001	39.063
σ		66.317	60.038	43.331	64.993	45.885	500.886	29.079	15.068	10.938
%RSD		4.335	14.536	8.378	1.865	10.364	1.208	7.040	8.610	28.000

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:27:29	126.563	53.125	123.438	53.125	9.375	9.375	154.688	11.979	11.458
2	16:28:37	150.001	64.063	137.501	53.125	10.938	10.938	141.147	14.583	8.333
3	16:29:45	154.688	73.438	151.563	46.875	4.688	4.688	178.126	18.750	11.458
x		143.751	63.542	137.501	51.042	8.333	8.333	157.987	15.104	10.417
σ		15.068	10.166	14.063	3.608	3.253	3.253	18.709	3.415	1.804
%RSD		10.482	15.999	10.227	7.070	39.031	39.031	11.842	22.612	17.321

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:27:29	176.564	248.440	292.190	167.188	423.444	0.000	195723.840	104.688	418.756
2	16:28:37	164.063	284.378	315.628	162.501	443.757	0.000	194876.430	93.750	279.690
3	16:29:45	139.063	206.251	290.628	128.126	434.382	1.563	193867.530	89.063	178.126
x		159.897	246.356	299.482	152.605	433.861	0.521	194822.600	95.834	292.191
σ		19.094	39.105	14.005	21.329	10.167	0.902	929.323	8.018	120.801
%RSD		11.942	15.873	4.676	13.977	2.343	173.205	0.477	8.367	41.343

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:27:29	1.563	1.563	487.508	56.250	678.141	556.261	76.563	114.063	416109.080
2	16:28:37	4.688	4.688	295.316	45.313	637.514	459.382	60.938	103.125	415964.330
3	16:29:45	1.563	1.563	162.501	26.563	520.322	406.256	59.375	112.500	420048.450
x		2.604	2.604	315.108	42.708	611.992	473.966	65.625	109.896	417373.960
σ		1.804	1.804	163.405	15.014	81.947	76.059	9.504	5.916	2317.312
%RSD		69.282	69.282	51.857	35.155	13.390	16.047	14.483	5.383	0.555

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:27:29	433927.610	306.253	876.589	256.252	270.315	548.448	343925.090	345.317
2	16:28:37	436104.920	370.317	965.658	250.002	278.128	579.699	342452.850	348.442
3	16:29:45	446678.900	296.878	739.082	250.002	207.814	620.326	340963.160	357.817
x		438903.810	324.483	860.443	252.086	252.086	582.824	342447.030	350.525
σ		6820.866	39.970	114.148	3.609	38.539	36.041	1480.975	6.505
%RSD		1.554	12.318	13.266	1.431	15.288	6.184	0.432	1.856

ICSA 06/05/2011 04:34:15 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:35:23	28741.383	28.125	115.625	2861.224	45816894.000	33532256.000	4568646.900	5358168.800	37079236.000
2	16:36:31	27762.889	29.167	117.188	2873.727	46009126.000	33344432.000	4540199.300	5379863.600	36597928.000
3	16:37:39	28204.377	22.396	135.938	2992.501	45284837.000	33255557.000	4515910.400	5304500.800	36239653.000
x		28236.216	26.563	122.917	2909.151	45703619.000	33377415.000	4541585.500	5347511.100	36638939.000
σ		490.024	3.646	11.304	72.454	375195.790	141267.690	26395.584	38795.357	421291.510
%RSD		1.735	13.726	9.196	2.491	0.821	0.423	0.581	0.725	1.150

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:35:23	11076.825	1466375.700	209679.140	217115.550	32160147.000	85337.419	1318028.600	77768.918	80047.075
2	16:36:31	11131.981	1486043.500	211107.760	219158.900	32324057.000	85894.274	1326295.300	76886.033	79973.225
3	16:37:39	11246.232	1478253.500	211470.890	219400.060	31587855.000	87709.535	1308802.700	78546.593	80047.075
x		11151.679	1476890.900	210752.600	218558.170	32024020.000	86313.743	1317708.900	77733.848	80022.458
σ		86.404	9904.479	947.204	1255.149	386518.240	1240.443	8750.672	830.835	42.637
%RSD		0.775	0.671	0.449	0.574	1.207	1.437	0.664	1.069	0.053

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:35:23	17235.391	11171.554	7175.239	4111820.100	8459.378	74558745.000	1728310.400	837.525	775.021
2	16:36:31	17919.044	11409.242	7533.236	4169240.500	8524.170	75316707.000	1713595.800	832.837	803.148
3	16:37:39	18210.036	11260.686	7766.173	4211003.200	8310.598	72918647.000	1685347.300	829.712	825.024
x		17788.157	11280.494	7491.549	4164021.300	8431.382	74264700.000	1709084.500	833.358	801.064
σ		500.332	120.075	297.664	49797.107	109.504	1225773.300	21833.955	3.932	25.066
%RSD		2.813	1.064	3.973	1.196	1.299	1.651	1.278	0.472	3.129

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:35:23	2786.209	1356.314	1648.533	189.064	51.563	51.563	130.730	10.417	11.979
2	16:36:31	2636.181	1395.381	1612.591	185.418	48.438	48.438	133.334	14.583	11.979
3	16:37:39	2686.190	1334.437	1540.708	190.626	45.313	45.313	129.688	10.417	13.542
x		2702.860	1362.044	1600.611	188.369	48.438	48.438	131.251	11.806	12.500
σ		76.391	30.873	54.902	2.673	3.125	3.125	1.878	2.406	0.902
%RSD		2.826	2.267	3.430	1.419	6.452	6.452	1.431	20.377	7.217

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:35:23	219785.610	379464.330	420394.340	236489.830	619714.050	0.000	168769.180	71.875	43.750
2	16:36:31	218589.340	379860.590	421658.930	239141.230	622987.860	0.000	165476.300	68.750	70.313
3	16:37:39	217523.250	376366.800	413426.610	237009.270	615612.620	1.563	168024.540	84.375	42.188
x		218632.730	378563.910	418493.300	237546.780	619438.180	0.521	167423.340	75.000	52.083
σ		1131.804	1913.040	4433.197	1405.053	3695.354	0.902	1726.799	8.268	15.806
%RSD		0.518	0.505	1.059	0.591	0.597	173.205	1.031	11.024	30.348

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:35:23	221.877	221.877	46.875	309.378	296.878	767.208	104.688	260.940	385621.260
2	16:36:31	243.752	243.752	46.875	285.940	290.628	770.333	142.188	221.877	374742.100
3	16:37:39	225.002	225.002	57.813	312.503	254.690	731.269	146.876	229.689	382495.130
x		230.210	230.210	50.521	302.607	280.732	756.270	131.251	237.502	380952.830
σ		11.831	11.831	6.315	14.518	22.769	21.708	23.123	20.670	5601.164
%RSD		5.139	5.139	12.499	4.798	8.110	2.870	17.618	8.703	1.470

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:35:23	407018.360	118.750	318.754	3294.130	2475.214	6479.594	303719.640	175.001
2	16:36:31	394872.000	78.125	265.627	3117.528	2556.479	6476.468	297701.170	162.501
3	16:37:39	404062.770	92.188	262.502	3030.009	2440.834	6312.332	305604.510	182.814
x		401984.380	96.355	282.294	3147.222	2490.842	6422.798	302341.770	173.439
σ		6334.295	20.631	31.613	134.541	59.385	95.679	4127.902	10.246
%RSD		1.576	21.411	11.199	4.275	2.384	1.490	1.365	5.908

ICSAB 06/05/2011 04:42:11 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:43:19	28008.680	1256.305	112.500	2940.928	45627761.000	33547652.000	4517073.600	5341153.800	36282480.000
2	16:44:27	28398.511	1244.846	78.125	3078.457	45900643.000	33027110.000	4462189.500	5385311.100	36499510.000
3	16:45:35	27640.777	1212.031	93.750	3100.336	45730613.000	33502237.000	4476865.100	5298475.600	36539370.000
x		28015.989	1237.727	94.792	3039.907	45753006.000	33359000.000	4485376.000	5341646.800	36440453.000
σ		378.920	22.980	17.211	86.414	137811.980	288320.280	28414.691	43419.815	138253.120
%RSD		1.353	1.857	18.157	2.843	0.301	0.864	0.633	0.813	0.379

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:43:19	11602.774	1470094.400	209013.240	216795.120	31841846.000	84953.759	1311181.700	76802.775	77608.675
2	16:44:27	11650.050	1461359.600	209062.390	216690.420	31252722.000	84859.488	1295735.100	77233.211	79794.103
3	16:45:35	11685.507	1462506.000	207510.310	217324.950	31894674.000	84431.981	1314344.100	76730.513	80279.624
x		11646.110	1464653.300	208528.650	216936.830	31663081.000	84748.409	1307087.000	76922.166	79227.467
σ		41.507	4746.835	882.243	340.175	356361.090	278.059	9957.341	271.785	1422.779
%RSD		0.356	0.324	0.423	0.157	1.125	0.328	0.762	0.353	1.796

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:43:19	27684.612	22250.126	8787.077	4129105.500	26322.652	73136132.000	1680240.800	14053.784	3497.303
2	16:44:27	29453.770	22683.620	9040.360	4138009.300	26178.671	72161860.000	1712003.100	14419.774	3495.740
3	16:45:35	29827.982	22733.699	8934.043	4107658.600	26056.287	73285365.000	1705408.800	14169.524	3620.771
x		28988.788	22555.815	8920.493	4124924.400	26185.870	72861119.000	1699217.600	14214.361	3537.938
σ		1144.843	265.916	127.184	15601.346	133.329	610156.120	16761.839	187.069	71.740
%RSD		3.949	1.179	1.426	0.378	0.509	0.837	0.986	1.316	2.028

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:43:19	9543.812	4430.374	4169.358	1842.306	165.626	165.626	529.697	160.418	9.375
2	16:44:27	9473.453	4650.757	4272.514	1929.818	139.063	139.063	534.906	171.876	15.625
3	16:45:35	9551.630	4452.256	4142.788	1959.509	173.439	173.439	510.947	193.230	15.104
x		9522.965	4511.129	4194.887	1910.545	159.376	159.376	525.183	175.175	13.368
σ		43.057	121.415	68.527	60.932	18.020	18.020	12.601	16.653	3.468
%RSD		0.452	2.691	1.634	3.189	11.306	11.306	2.399	9.507	25.942

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:43:19	217361.440	368350.940	410686.760	234253.430	617008.440	1.563	165070.080	303.128	11379.530
2	16:44:27	219972.830	375459.000	410672.290	236099.070	616139.300	0.000	165117.500	373.442	11248.177
3	16:45:35	217881.770	373672.430	413105.010	232682.760	612448.050	1.563	163347.320	317.191	11434.262
x		218405.350	372494.120	411488.020	234345.090	615198.590	1.042	164511.630	331.254	11353.990
σ		1382.186	3697.625	1400.370	1709.997	2421.361	0.902	1008.602	37.207	95.636
%RSD		0.633	0.993	0.340	0.730	0.394	86.603	0.613	11.232	0.842

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:43:19	425.006	425.006	11609.403	3198.796	309.378	11381.094	1940.757	3183.167	372415.240
2	16:44:27	421.881	421.881	11301.343	3319.136	290.628	10697.754	1882.937	3173.790	367829.960
3	16:45:35	426.569	426.569	11432.698	3187.856	289.065	11144.971	1873.560	3297.256	368339.720
x		424.485	424.485	11447.815	3235.262	296.357	11074.606	1899.085	3218.071	369528.300
σ		2.387	2.387	154.585	72.842	11.304	347.062	36.392	68.736	2513.115
%RSD		0.562	0.562	1.350	2.252	3.814	3.134	1.916	2.136	0.680

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:43:19	395419.660	16206.062	40355.357	16687.866	14731.029	35155.704	291833.510	121.876
2	16:44:27	395776.200	15758.687	40364.758	16736.360	14671.593	35580.191	292618.070	112.500
3	16:45:35	386280.910	15998.015	39785.010	16160.698	14222.701	35880.941	292882.780	126.563
x		392492.260	15987.588	40168.375	16528.308	14541.774	35538.945	292444.790	120.313
σ		5382.135	223.870	332.037	319.282	277.919	364.374	545.677	7.160
%RSD		1.371	1.400	0.827	1.932	1.911	1.025	0.187	5.951

ICSAX10 06/05/2011 04:50:07 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:51:15	30050.323	10.938	87.500	585.950	4908415.200	3592436.800	494123.040	586461.300	3979684.700
2	16:52:23	30534.159	14.583	73.438	606.263	4989721.200	3640620.000	499829.480	589647.900	4003806.500
3	16:53:31	30231.955	10.938	81.250	670.328	5042348.900	3617642.000	489789.370	589997.850	3987748.700
x		30272.146	12.153	80.729	620.847	4980161.800	3616899.600	494580.630	588702.350	3990413.300
σ		244.409	2.105	7.046	44.039	67476.592	24100.198	5035.673	1948.682	12279.663
%RSD		0.807	17.321	8.728	7.093	1.355	0.666	1.018	0.331	0.308

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:51:15	4859.999	163671.310	40606.065	98648.809	3543794.400	10387.763	142024.370	80868.871	8466.571
2	16:52:23	4739.838	162663.020	40852.078	98655.102	3507908.800	10205.799	142351.030	81283.715	8785.513
3	16:53:31	4637.406	164523.200	40925.726	99306.467	3565610.300	10041.373	141610.920	80655.168	8821.473
x		4745.748	163619.180	40794.623	98870.126	3539104.500	10211.645	141995.440	80935.918	8691.185
σ		111.414	931.187	167.396	377.895	29135.239	173.269	370.904	319.593	195.351
%RSD		2.348	0.569	0.410	0.382	0.823	1.697	0.261	0.395	2.248

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:51:15	5121.230	1571.962	1762.609	475837.100	864.089	8184190.500	190174.320	100.000	98.438
2	16:52:23	4903.967	1496.953	1804.802	475904.930	850.025	8181542.200	193554.810	129.688	82.813
3	16:53:31	4872.706	1487.577	1651.658	476450.810	925.030	8128970.800	193064.400	160.938	104.688
x		4965.968	1518.831	1739.689	476064.280	879.715	8164901.200	192264.510	130.209	95.313
σ		135.367	46.251	79.103	336.456	39.869	31144.757	1826.689	30.472	11.267
%RSD		2.726	3.045	4.547	0.071	4.532	0.381	0.950	23.403	11.822

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:51:15	423.444	178.126	289.065	45.313	12.500	12.500	133.855	9.896	8.854
2	16:52:23	321.879	176.564	317.191	43.750	6.250	6.250	130.730	10.938	10.938
3	16:53:31	378.130	154.688	337.504	43.750	12.500	12.500	131.251	10.938	6.250
x		374.484	169.793	314.587	44.271	10.417	10.417	131.945	10.590	8.681
σ		50.881	13.104	24.324	0.902	3.608	3.608	1.674	0.601	2.349
%RSD		13.587	7.718	7.732	2.038	34.641	34.641	1.269	5.679	27.056

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:51:15	23303.366	39042.340	43588.272	25449.211	65713.291	1.563	180147.490	76.563	21.875
2	16:52:23	23894.967	41005.642	44450.297	25389.730	65408.774	0.000	183980.250	78.125	32.813
3	16:53:31	24262.774	40378.860	43850.008	25234.768	66298.800	0.000	182203.000	82.813	34.375
x		23820.369	40142.281	43962.859	25357.903	65806.955	0.521	182110.250	79.167	29.688
σ		484.035	1002.804	441.954	110.707	452.345	0.902	1918.062	3.253	6.811
%RSD		2.032	2.498	1.005	0.437	0.687	173.205	1.053	4.109	22.942

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:51:15	40.625	40.625	25.000	31.250	95.313	125.001	32.813	39.063	390123.880
2	16:52:23	26.563	26.563	26.563	54.688	131.251	132.813	20.313	35.938	392138.870
3	16:53:31	20.313	20.313	34.375	40.625	107.813	157.813	23.438	53.125	392487.310
x		29.167	29.167	28.646	42.188	111.459	138.542	25.521	42.708	391583.350
σ		10.404	10.404	5.023	11.797	18.244	17.140	6.505	9.155	1275.893
%RSD		35.670	35.670	17.534	27.962	16.369	12.372	25.490	21.437	0.326

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:51:15	405088.080	137.501	362.505	390.630	320.316	768.771	317238.410	65.625
2	16:52:23	415390.170	128.126	298.441	392.193	339.067	781.271	320032.520	48.438
3	16:53:31	409190.030	89.063	248.440	362.505	357.817	765.646	317910.930	70.313
x		409889.430	118.230	303.128	381.776	339.067	771.896	318393.960	61.458
σ		5186.534	25.691	57.177	16.708	18.750	8.268	1458.335	11.517
%RSD		1.265	21.729	18.862	4.376	5.530	1.071	0.458	18.740

ICSABX10 06/05/2011 04:58:02 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:59:10	30241.350	132.292	50.000	567.199	4930084.900	3557902.800	488485.810	580947.410	3951174.900
2	17:00:19	29956.376	147.397	56.250	575.012	4958749.300	3667764.100	499573.770	583055.750	4024033.600
3	17:01:27	29322.249	140.105	71.875	582.824	4954664.100	3583965.300	494507.570	583073.640	3973209.000
x		29839.992	139.931	59.375	575.012	4947832.800	3603210.700	494189.050	582358.930	3982805.900
σ		470.474	7.554	11.267	7.813	15505.198	57403.514	5550.838	1222.449	37365.375
%RSD		1.577	5.398	18.977	1.359	0.313	1.593	1.123	0.210	0.938

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:59:10	4592.100	159017.630	39564.085	98135.919	3501673.000	10122.490	139116.270	80911.298	8438.429
2	17:00:19	4515.276	159553.240	40143.824	96808.156	3492835.600	10126.874	140817.190	80119.353	8561.940
3	17:01:27	4830.451	159741.260	40167.328	98230.315	3464531.500	10427.225	140702.000	80086.356	8411.851
x		4645.942	159437.380	39958.412	97724.797	3486346.700	10225.530	140211.820	80372.336	8470.740
σ		164.341	375.471	341.699	795.236	19402.387	174.687	950.520	467.046	80.092
%RSD		3.537	0.235	0.855	0.814	0.557	1.708	0.678	0.581	0.946

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:59:10	5193.131	2712.758	1732.918	466971.960	2642.432	7959942.700	188743.570	1500.079	340.629
2	17:00:19	5379.137	2614.302	1723.542	469643.370	2511.158	8081249.200	190790.910	1596.964	370.317
3	17:01:27	5421.341	2704.944	1771.985	472583.290	2694.004	8039957.700	188384.090	1496.953	406.256
x		5331.203	2677.334	1742.815	469732.870	2615.865	8027049.900	189306.190	1531.332	372.401
σ		121.422	54.727	25.693	2806.732	94.274	61674.756	1298.304	56.861	32.863
%RSD		2.278	2.044	1.474	0.598	3.604	0.768	0.686	3.713	8.825

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:59:10	1092.229	467.195	556.261	209.377	20.313	20.313	167.188	25.521	9.896
2	17:00:19	1025.037	523.447	578.137	225.523	31.250	31.250	178.647	24.479	9.896
3	17:01:27	1064.102	515.634	589.075	216.668	31.250	31.250	181.772	32.292	10.417
x		1060.456	502.092	574.491	217.189	27.604	27.604	175.869	27.431	10.069
σ		33.744	30.473	16.708	8.086	6.315	6.315	7.678	4.242	0.301
%RSD		3.182	6.069	2.908	3.723	22.876	22.876	4.366	15.464	2.986

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:59:10	23073.306	39902.525	43987.931	24910.763	65094.845	0.000	183541.850	125.001	1168.798
2	17:00:19	23400.400	40167.328	44859.385	24873.197	65427.610	1.563	179301.010	117.188	1207.864
3	17:01:27	23087.391	39911.926	44389.169	25236.333	65884.389	0.000	180728.200	118.750	1210.989
x		23187.032	39993.926	44412.162	25006.764	65468.948	0.521	181190.350	120.313	1195.883
σ		184.916	150.244	436.182	199.698	396.392	0.902	2157.867	4.134	23.509
%RSD		0.797	0.376	0.982	0.799	0.605	173.205	1.191	3.436	1.966

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:59:10	48.438	48.438	1257.868	362.505	95.313	1248.492	193.751	367.192	393066.990
2	17:00:19	46.875	46.875	1240.679	343.754	96.875	1210.989	220.314	326.566	398571.070
3	17:01:27	45.313	45.313	1329.749	317.191	95.313	1228.178	196.876	389.068	402224.470
x		46.875	46.875	1276.099	341.150	95.834	1229.220	203.647	360.942	397954.180
σ		1.563	1.563	47.251	22.769	0.902	18.773	14.518	31.716	4609.806
%RSD		3.333	3.333	3.703	6.674	0.941	1.527	7.129	8.787	1.158

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:59:10	419318.080	1848.557	4542.910	1864.184	1678.224	3969.301	324129.600	18.750
2	17:00:19	423390.270	1911.065	4460.071	1815.740	1615.716	3883.340	328218.260	31.250
3	17:01:27	419384.040	1759.483	4647.631	1839.181	1667.285	3936.480	337342.780	43.750
x		420697.470	1839.702	4550.204	1839.702	1653.742	3929.707	329896.880	31.250
σ		2332.273	76.178	93.992	24.226	33.382	43.379	6764.638	12.500
%RSD		0.554	4.141	2.066	1.317	2.019	1.104	2.051	40.000

CCV 06/05/2011 05:05:57 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:07:05	31451.772	33858.305	8042.888	421.881	25167102.000	18551483.000	2512706.400	2967845.900	4097598.200
2	17:08:13	31470.563	33869.791	8046.015	400.006	25556037.000	18483894.000	2495266.000	2965116.400	4143154.400
3	17:09:21	31235.674	33745.017	8236.749	387.505	25576779.000	18582158.000	2521537.100	2968859.800	4144087.000
x		31386.003	33824.371	8108.551	403.131	25433306.000	18539178.000	2509836.500	2967274.000	4128279.900
σ		130.528	68.962	111.034	17.400	230772.600	50274.249	13368.651	1936.129	26575.193
%RSD		0.416	0.204	1.369	4.316	0.907	0.271	0.533	0.065	0.644

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:07:05	88030.741	164809.280	19729.239	84816.665	8782618.500	46962.634	703961.990	82863.063	20877.745
2	17:08:13	88946.719	164439.430	19812.166	86272.217	8861760.400	48137.730	709515.950	84601.331	21283.030
3	17:09:21	89403.722	167969.210	20121.974	86077.297	8967875.400	48310.925	711198.140	84143.955	21534.969
x		88793.727	165739.310	19887.793	85722.060	8870751.400	47803.763	708225.360	83869.450	21231.914
σ		699.160	1939.983	207.002	790.128	92955.151	733.569	3786.776	901.060	331.580
%RSD		0.787	1.171	1.041	0.922	1.048	1.535	0.535	1.074	1.562

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:07:05	306509.530	304172.880	36953.984	1223299.100	945300.700	20664313.000	487254.900	368415.060	75150.271
2	17:08:13	305438.520	305472.040	37439.621	1230966.000	931567.710	20525459.000	482274.630	367012.460	75704.750
3	17:09:21	309006.210	305658.780	36914.821	1238237.200	945143.940	20529166.000	480403.460	370425.430	76890.746
x		306984.750	305101.230	37102.809	1230834.100	940670.780	20572979.000	483311.000	368617.650	75915.256
σ		1830.706	809.382	292.345	7469.888	7883.882	79118.981	3541.341	1715.483	889.128
%RSD		0.596	0.265	0.788	0.607	0.838	0.385	0.733	0.465	1.171

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:07:05	367676.070	170878.400	139829.430	48159.687	3294.130	3294.130	11155.395	4642.942	6.771
2	17:08:13	369322.420	172662.160	139718.990	48608.599	3394.153	3394.153	11234.624	4747.143	6.771
3	17:09:21	369239.060	173187.210	140294.900	48523.414	3464.483	3464.483	11178.851	4732.555	6.771
x		368745.850	172242.590	139947.770	48430.567	3384.255	3384.255	11189.624	4707.546	6.771
σ		927.391	1210.237	305.652	238.424	85.607	85.607	40.698	56.423	0.000
%RSD		0.251	0.703	0.218	0.492	2.530	2.530	0.364	1.199	0.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:07:05	59674.376	101430.690	114968.580	66256.416	172481.880	0.000	181025.680	7308.119	326923.440
2	17:08:13	59329.193	103714.180	114965.430	65848.286	172119.740	1.563	180079.450	7325.315	332186.540
3	17:09:21	61296.849	104756.120	118498.810	66699.094	170978.020	0.000	182788.540	7126.777	330565.200
x		60100.139	103300.330	116144.270	66267.932	171859.880	0.521	181297.890	7253.404	329891.730
σ		1050.654	1700.905	2039.091	425.521	784.881	0.902	1374.902	109.998	2695.406
%RSD		1.748	1.647	1.756	0.642	0.457	173.205	0.758	1.517	0.817

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:07:05	5382.264	5382.264	328953.630	81968.864	208466.270	289593.300	232280.990	400065.090	403765.480
2	17:08:13	5307.236	5307.236	326346.410	82195.158	210418.010	287589.360	230292.940	398053.810	403657.810
3	17:09:21	5308.799	5308.799	323963.400	79921.374	208263.340	287334.300	230277.060	396423.470	402140.920
x		5332.766	5332.766	326421.150	81361.799	209049.210	288172.320	230950.330	398180.790	403188.070
σ		42.873	42.873	2495.958	1252.565	1189.752	1237.194	1152.412	1824.128	908.456
%RSD		0.804	0.804	0.765	1.540	0.569	0.429	0.499	0.458	0.225

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:07:05	428941.300	431660.450	1082874.100	360579.850	340174.370	798296.900	326479.080	1852802.400
2	17:08:13	422308.960	436232.160	1085964.800	348866.190	335776.840	800497.890	326157.800	1852157.500
3	17:09:21	423578.540	443217.300	1105285.800	355764.470	340414.360	801516.770	324546.730	1843427.600
x		424942.940	437036.640	1091374.900	355070.170	338788.520	800103.860	325727.870	1849462.500
σ		3520.389	5820.275	12145.907	5887.611	2610.955	1645.703	1035.436	5236.333
%RSD		0.828	1.332	1.113	1.658	0.771	0.206	0.318	0.283

CCB 06/05/2011 05:13:49 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:14:57	33135.259	26.563	137.501	323.441	36883.490	14809.234	1987.638	2358.007	4291.269
2	17:16:06	32620.012	44.271	171.876	301.566	48369.247	21419.170	2797.149	3519.183	6237.299
3	17:17:14	32264.519	30.208	117.188	328.129	38164.974	16542.385	2222.048	2665.874	4861.765
x		32673.263	33.681	142.188	317.712	41139.237	17590.263	2335.612	2847.688	5130.111
σ		437.806	9.351	27.644	14.178	6294.071	3427.295	416.533	601.560	1000.382
%RSD		1.340	27.763	19.442	4.463	15.299	19.484	17.834	21.125	19.500

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:14:57	2990.938	1296.934	20483.424	86668.354	65940.899	48.438	885.965	86574.035	21.875
2	17:16:06	2965.933	1428.196	20495.942	87385.201	70153.079	43.750	1114.106	85667.029	31.250
3	17:17:14	2962.807	1343.813	20350.422	90130.302	67763.461	45.313	984.409	86072.581	18.750
x		2973.226	1356.315	20443.263	88061.286	67952.480	45.833	994.827	86104.548	23.958
σ		15.418	66.518	80.646	1827.318	2112.442	2.387	114.427	454.347	6.505
%RSD		0.519	4.904	0.394	2.075	3.109	5.207	11.502	0.528	27.152

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:14:57	2106.405	484.383	668.766	3953.672	801.585	51447.159	715.643	262.502	54.688
2	17:16:06	2170.477	578.137	692.204	4455.382	1028.162	59162.880	873.464	362.505	67.188
3	17:17:14	2023.581	492.196	604.700	4100.588	854.713	52163.814	776.584	296.878	43.750
x		2100.155	518.239	655.223	4169.881	894.820	54257.951	788.564	307.295	55.208
σ		73.647	52.020	45.297	257.933	118.494	4262.880	79.590	50.808	11.727
%RSD		3.507	10.038	6.913	6.186	13.242	7.857	10.093	16.534	21.242

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:14:57	300.003	126.563	184.376	52.083	10.938	10.938	148.438	14.063	7.813
2	17:16:06	407.818	170.314	206.251	78.646	7.813	7.813	168.230	14.063	7.813
3	17:17:14	278.128	148.438	207.814	48.958	6.250	6.250	153.647	13.542	8.333
x		328.650	148.438	199.481	59.896	8.333	8.333	156.772	13.889	7.986
σ		69.429	21.875	13.104	16.313	2.387	2.387	10.259	0.301	0.301
%RSD		21.126	14.737	6.569	27.236	28.641	28.641	6.544	2.165	3.765

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:14:57	128.126	223.439	279.690	117.188	340.629	0.000	192057.390	87.500	229.689
2	17:16:06	121.876	209.377	250.002	128.126	375.005	0.000	195218.560	100.000	364.067
3	17:17:14	106.250	178.126	189.064	110.938	298.441	0.000	194314.170	82.813	276.565
x		118.751	203.647	239.585	118.751	338.025	0.000	193863.370	90.104	290.107
σ		11.267	23.193	46.203	8.700	38.349	0.000	1628.083	8.885	68.205
%RSD		9.488	11.389	19.284	7.326	11.345	0.000	0.840	9.861	23.510

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:14:57	3.125	3.125	250.002	65.625	439.069	582.824	156.251	270.315	408802.610
2	17:16:06	15.625	15.625	337.504	84.375	446.882	570.324	245.315	428.131	407799.550
3	17:17:14	3.125	3.125	267.190	68.750	348.442	443.757	196.876	285.940	402957.200
x		7.292	7.292	284.899	72.917	411.464	532.302	199.481	328.129	406519.780
σ		7.217	7.217	46.361	10.046	54.719	76.936	44.589	86.956	3125.791
%RSD		98.974	98.974	16.273	13.777	13.299	14.454	22.353	26.501	0.769

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:14:57	428329.600	350.004	818.773	228.127	256.252	540.635	334159.890	1253.180
2	17:16:06	429342.140	520.322	1309.435	379.693	345.317	893.778	336242.280	1789.175
3	17:17:14	427890.160	371.880	870.339	321.879	284.378	667.203	338037.030	1304.747
x		428520.630	414.069	999.516	309.899	295.316	700.539	336146.400	1449.034
σ		744.600	92.666	269.633	76.490	45.528	178.916	1940.344	295.697
%RSD		0.174	22.379	26.976	24.682	15.417	25.540	0.577	20.406

C2310-03 MF4R94D 06/05/2011 05:21:43 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:22:51	31671.005	21.354	13606.477	2515.847	119818840.000	19695590.000	2669108.700	3142360.000	6022.824
2	17:23:59	32168.991	19.271	14013.119	2461.150	119321270.000	19919501.000	2674480.600	3198253.600	5922.550
3	17:25:07	31750.870	15.104	14144.499	2509.595	117661370.000	19612059.000	2685474.300	3152159.600	4556.826
x		31863.622	18.576	13921.365	2495.531	118933830.000	19742383.000	2676354.500	3164257.800	5500.733
σ		267.455	3.182	280.502	29.938	1129713.900	158972.970	8342.205	29846.192	818.984
%RSD		0.839	17.131	2.015	1.200	0.950	0.805	0.312	0.943	14.889

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:22:51	3677988.200	3199.944	69864.168	764761.470	2625262.300	190839.670	3200229.400	89743.255	85.938
2	17:23:59	3680426.900	3044.705	70544.060	781863.460	2657298.800	202432.690	3238826.100	90880.055	84.375
3	17:25:07	3664981.400	2945.916	71280.514	799345.350	2663770.300	190621.160	3270660.100	91432.913	78.125
x		3674465.500	3063.522	70562.914	781990.090	2648777.100	194631.170	3236571.900	90685.408	82.813
σ		8303.522	128.055	708.361	17292.285	20619.900	6757.195	35269.417	861.482	4.134
%RSD		0.226	4.180	1.004	2.211	0.778	3.472	1.090	0.950	4.992

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:22:51	70377.617	1201.613	24110.955	3339.453	1089.104	51172.739	5668.312	689.079	457.820
2	17:23:59	77156.234	1257.868	25921.934	3461.357	1082.853	51268.393	5605.787	698.455	457.820
3	17:25:07	80274.910	1257.868	27695.571	3123.779	1010.973	48170.138	5813.683	623.451	476.570
x		75936.254	1239.116	25909.487	3308.196	1060.977	50203.757	5695.927	670.328	464.070
σ		5060.175	32.479	1792.340	170.946	43.417	1761.815	106.663	40.867	10.826
%RSD		6.664	2.621	6.918	5.167	4.092	3.509	1.873	6.097	2.333

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:22:51	3845.830	1798.551	2423.643	2831.010	212.502	212.502	145.313	22.917	8.333
2	17:23:59	3884.903	1922.004	2261.116	2866.433	184.376	184.376	128.646	23.958	9.896
3	17:25:07	3886.466	1823.554	2329.878	2956.035	293.753	293.753	157.293	20.833	6.771
x		3872.400	1848.036	2338.212	2884.493	230.210	230.210	143.751	22.569	8.333
σ		23.023	65.267	81.583	64.439	56.798	56.798	14.387	1.591	1.563
%RSD		0.595	3.532	3.489	2.234	24.672	24.672	10.008	7.050	18.750

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:22:51	1266.482	114.063	126.563	71.875	196.876	1.563	171237.350	82.813	139.063
2	17:23:59	1367.085	121.876	107.813	60.938	148.438	1.563	168086.200	84.375	81.250
3	17:25:07	869.658	107.813	85.938	54.688	134.376	0.000	169417.410	84.375	53.125
x		1167.742	114.584	106.771	62.500	159.897	1.042	169580.320	83.854	91.146
σ		263.003	7.046	20.333	8.700	32.788	0.902	1581.882	0.902	43.815
%RSD		22.522	6.149	19.043	13.919	20.506	86.603	0.933	1.076	48.072

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:22:51	1.563	1.563	95.313	39.063	292.190	271.878	2037.645	3617.646	367924.540
2	17:23:59	3.125	3.125	81.250	39.063	304.691	240.627	1973.574	3248.807	366812.100
3	17:25:07	1.563	1.563	60.938	29.688	254.690	153.126	1862.621	3336.327	362550.670
x		2.083	2.083	79.167	35.938	283.857	221.877	1957.947	3400.927	365762.430
σ		0.902	0.902	17.282	5.413	26.021	61.556	88.552	192.718	2836.537
%RSD		43.301	43.301	21.830	15.061	9.167	27.743	4.523	5.667	0.776

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:22:51	390778.920	307.816	753.145	923.467	793.772	1915.753	288183.970	829.712
2	17:23:59	384095.020	204.689	521.885	793.772	803.148	1867.310	282978.320	692.204
3	17:25:07	379538.130	148.438	359.380	732.831	653.140	1757.921	284202.260	451.570
x		384804.020	220.314	544.803	816.690	750.020	1846.995	285121.520	657.829
σ		5653.837	80.830	197.881	97.363	84.031	80.854	2721.851	191.400
%RSD		1.469	36.688	36.321	11.922	11.204	4.378	0.955	29.096

C2339-15X50 MF4Q21 06/05/2011 05:29:37 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:30:45	34068.700	6.250	470.320	442.194	1828008.600	460460.960	62227.422	74346.080	1181.299
2	17:31:53	34364.721	4.167	417.194	384.380	1840566.700	466763.760	62141.110	73538.792	1128.170
3	17:33:02	34699.904	6.771	404.693	393.755	1808704.200	463405.480	63283.609	74971.209	1179.736
x		34377.775	5.729	430.736	406.777	1825759.800	463543.400	62550.713	74285.360	1163.068
σ		315.804	1.378	34.846	31.029	16049.820	3153.661	636.171	718.136	30.233
%RSD		0.919	24.052	8.090	7.628	0.879	0.680	1.017	0.967	2.599

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:30:45	108575.100	1237.554	25990.809	114692.940	87199.698	3100.336	50155.077	88686.936	7.813
2	17:31:53	107732.820	1190.675	26806.377	113914.880	87327.035	3165.976	50633.322	89833.127	7.813
3	17:33:02	106758.360	1154.734	26502.686	112299.030	86657.350	2961.244	50155.077	91102.062	7.813
x		107688.760	1194.321	26433.291	113635.620	87061.361	3075.852	50314.492	89874.042	7.813
σ		909.171	41.530	412.189	1221.141	355.629	104.539	276.115	1208.083	0.000
%RSD		0.844	3.477	1.559	1.075	0.408	3.399	0.549	1.344	0.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:30:45	14451.055	4916.471	5429.157	3331.638	228.127	39557.818	475.008	12.500	14.063
2	17:31:53	13007.482	5027.447	4672.639	3203.484	229.689	39056.441	467.195	10.938	12.500
3	17:33:02	11945.617	4939.916	4344.411	3226.927	265.627	39653.395	407.818	10.938	18.750
x		13134.718	4961.278	4815.402	3254.017	241.148	39422.551	450.007	11.458	15.104
σ		1257.556	58.491	556.286	68.237	21.214	320.642	36.745	0.902	3.253
%RSD		9.574	1.179	11.552	2.097	8.797	0.813	8.165	7.873	21.534

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:30:45	40.625	26.563	131.251	127.084	26.563	26.563	143.751	8.854	9.375
2	17:31:53	65.625	28.125	128.126	107.813	23.438	23.438	151.563	15.104	10.417
3	17:33:02	37.500	21.875	123.438	111.459	43.750	43.750	184.376	13.021	11.979
x		47.917	25.521	127.605	115.452	31.250	31.250	159.897	12.326	10.590
σ		15.415	3.253	3.932	10.237	10.938	10.938	21.557	3.182	1.311
%RSD		32.171	12.745	3.082	8.867	35.000	35.000	13.482	25.817	12.377

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:30:45	20.313	62.500	59.375	34.375	78.125	0.000	195394.370	104.688	9.375
2	17:31:53	40.625	56.250	57.813	35.938	76.563	0.000	196569.710	73.438	14.063
3	17:33:02	31.250	45.313	46.875	18.750	79.688	0.000	192906.210	101.563	10.938
x		30.729	54.688	54.688	29.688	78.125	0.000	194956.770	93.229	11.458
σ		10.166	8.700	6.811	9.504	1.563	0.000	1870.542	17.211	2.387
%RSD		33.083	15.908	12.454	32.015	2.000	0.000	0.959	18.461	20.830

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:30:45	0.000	0.000	10.938	4.688	68.750	53.125	148.438	234.377	383804.560
2	17:31:53	1.563	1.563	6.250	0.000	62.500	54.688	129.688	229.689	397048.280
3	17:33:02	0.000	0.000	10.938	1.563	84.375	37.500	162.501	228.127	397544.610
x		0.521	0.521	9.375	2.083	71.875	48.438	146.876	230.731	392799.150
σ		0.902	0.902	2.706	2.387	11.267	9.504	16.462	3.253	7793.499
%RSD		173.205	173.205	28.868	114.564	15.676	19.622	11.208	1.410	1.984

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:30:45	401233.110	25.000	70.313	46.875	35.938	76.563	314781.840	473.445
2	17:31:53	416985.660	26.563	59.375	29.688	12.500	68.750	315850.350	504.696
3	17:33:02	417218.880	35.938	56.250	21.875	39.063	64.063	327286.300	490.633
x		411812.550	29.167	61.979	32.813	29.167	69.792	319306.160	489.592
σ		9162.805	5.916	7.384	12.790	14.518	6.315	6931.622	15.652
%RSD		2.225	20.282	11.914	38.978	49.776	9.048	2.171	3.197

C2339-18X25 MF4Q29 06/05/2011 05:37:31 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:38:39	34508.817	9.896	796.897	362.505	4984010.700	1062345.500	142729.780	170712.370	1920.442
2	17:39:47	34120.386	14.063	748.457	350.004	5030294.600	1074640.000	144792.570	172290.530	1986.076
3	17:40:56	34258.215	17.188	709.393	337.504	4990020.400	1052304.500	141446.800	170879.990	2211.109
x		34295.806	13.715	751.582	350.004	5001441.900	1063096.700	142989.720	171294.300	2039.209
σ		196.925	3.658	43.836	12.500	25167.182	11186.696	1687.963	866.822	152.444
%RSD		0.574	26.673	5.832	3.571	0.503	1.052	1.180	0.506	7.476

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:38:39	204703.060	1142.233	33669.318	118643.760	169150.210	7204.941	121130.120	89796.963	12.500
2	17:39:47	204639.660	1182.862	33594.141	120055.480	170176.350	7414.424	122959.710	89944.764	7.813
3	17:40:56	203446.230	1173.486	33384.275	120099.600	169251.390	7228.391	123180.350	88982.516	9.375
x		204262.980	1166.193	33549.244	119599.610	169525.980	7282.585	122423.390	89574.747	9.896
σ		708.037	21.273	147.730	828.087	565.501	114.776	1125.429	518.184	2.387
%RSD		0.347	1.824	0.440	0.692	0.334	1.576	0.919	0.578	24.119

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:38:39	10744.664	3530.124	3341.016	3873.963	379.693	49733.294	735.956	64.063	53.125
2	17:39:47	10614.880	3569.196	3436.351	3897.407	390.630	50325.989	792.209	64.063	46.875
3	17:40:56	10192.697	3562.944	3419.159	3867.711	360.942	51420.501	821.899	75.000	40.625
x		10517.414	3554.088	3398.842	3879.693	377.088	50493.261	783.355	67.708	46.875
σ		288.603	20.988	50.811	15.655	15.014	855.951	43.650	6.315	6.250
%RSD		2.744	0.591	1.495	0.404	3.982	1.695	5.572	9.326	13.333

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:38:39	1437.572	710.955	1025.037	115.625	28.125	28.125	140.626	13.021	10.938
2	17:39:47	1493.828	840.650	1018.786	115.625	29.688	29.688	152.605	14.583	11.979
3	17:40:56	1470.388	687.517	1070.353	107.292	29.688	29.688	157.813	24.479	13.542
x		1467.263	746.374	1038.059	112.848	29.167	29.167	150.348	17.361	12.153
σ		28.258	82.482	28.142	4.811	0.902	0.902	8.813	6.214	1.311
%RSD		1.926	11.051	2.711	4.264	3.093	3.093	5.862	35.791	10.785

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:38:39	34.375	46.875	56.250	45.313	75.000	0.000	195517.920	112.500	53.125
2	17:39:47	40.625	51.563	68.750	23.438	87.500	1.563	190790.590	121.876	71.875
3	17:40:56	32.813	56.250	54.688	35.938	81.250	0.000	196385.960	87.500	68.750
x		35.938	51.563	59.896	34.896	81.250	0.521	194231.490	107.292	64.583
σ		4.134	4.688	7.708	10.975	6.250	0.902	3011.351	17.770	10.046
%RSD		11.503	9.091	12.868	31.450	7.692	173.205	1.550	16.562	15.554

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:38:39	1.563	1.563	45.313	10.938	96.875	75.000	182.814	331.254	410241.430
2	17:39:47	0.000	0.000	60.938	15.625	104.688	57.813	182.814	320.316	414613.400
3	17:40:56	0.000	0.000	56.250	4.688	100.000	57.813	182.814	350.004	415731.130
x		0.521	0.521	54.167	10.417	100.521	63.542	182.814	333.858	413528.650
σ		0.902	0.902	8.018	5.487	3.932	9.923	0.000	15.014	2901.158
%RSD		173.205	173.205	14.803	52.678	3.912	15.617	0.000	4.497	0.702

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:38:39	424861.110	45.313	128.126	400.006	325.004	876.589	330350.950	1228.178
2	17:39:47	435323.820	64.063	148.438	435.944	382.818	892.215	338216.190	1212.552
3	17:40:56	436277.260	70.313	167.188	390.630	340.629	942.219	338433.760	1378.192
x		432154.060	59.896	147.917	408.860	349.483	903.674	335666.970	1272.974
σ		6333.846	13.010	19.537	23.919	29.907	34.282	4605.088	91.456
%RSD		1.466	21.722	13.208	5.850	8.557	3.794	1.372	7.184

C2339-09 MF4Q13 06/05/2011 05:45:25 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:46:33	29445.941	2.604	11066.785	407.818	126286800.000	17933759.000	2458383.600	2887190.700	7641.237
2	17:47:41	29228.307	4.167	10838.485	406.256	123489980.000	17711480.000	2396083.800	2877899.000	6170.082
3	17:48:49	29663.578	6.771	11479.610	435.944	127350540.000	18095248.000	2493139.500	2914540.400	7647.253
x		29445.942	4.514	11128.293	416.673	125709110.000	17913495.000	2449202.300	2893210.000	7152.858
σ		217.635	2.105	324.958	16.708	1994060.100	192684.910	49174.934	19047.877	851.114
%RSD		0.739	46.632	2.920	4.010	1.586	1.076	2.008	0.658	11.899

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:46:33	3654092.100	2121.334	331753.200	559261.920	2080152.300	157128.150	2728552.700	87440.791	78.125
2	17:47:41	3635045.600	2383.426	335548.120	578135.140	2075164.100	160722.490	2707373.400	79668.404	78.125
3	17:48:49	3717773.200	2189.881	338955.280	589120.550	2133610.400	161812.820	2773982.600	81747.287	95.313
x		3668970.300	2231.547	335418.870	575505.870	2096308.900	159887.820	2736636.300	82952.161	83.854
σ		43324.153	135.923	3602.776	15101.961	32400.146	2451.336	34032.396	4023.840	9.923
%RSD		1.181	6.091	1.074	2.624	1.546	1.533	1.244	4.851	11.834

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:46:33	78007.715	2455159.700	313508.990	79085.491	1065.665	41756.249	4447.567	170.314	612.513
2	17:47:41	82649.330	2454657.200	311715.690	79283.459	1081.291	42169.961	4395.989	151.563	692.204
3	17:48:49	86550.455	2493252.100	320265.790	81008.723	1046.913	42278.093	4638.253	168.751	690.642
x		82402.500	2467689.700	315163.490	79792.558	1064.623	42068.101	4493.936	163.543	665.120
σ		4276.716	22139.157	4508.775	1057.871	17.212	275.430	127.615	10.404	45.565
%RSD		5.190	0.897	1.431	1.326	1.617	0.655	2.840	6.361	6.851

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:46:33	170582.710	81866.718	53517.243	1266.202	232.814	232.814	305.212	123.959	10.938
2	17:47:41	173878.340	80817.016	52882.072	1303.705	242.190	242.190	296.357	140.626	11.979
3	17:48:49	174488.840	82353.881	53981.485	1355.794	214.064	214.064	328.129	124.480	6.771
x		172983.300	81679.205	53460.267	1308.567	229.689	229.689	309.899	129.688	9.896
σ		2101.257	785.404	551.917	44.993	14.321	14.321	16.396	9.476	2.756
%RSD		1.215	0.962	1.032	3.438	6.235	6.235	5.291	7.307	27.850

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:46:33	143.751	253.127	243.752	143.751	354.692	0.000	165632.790	65.625	95.313
2	17:47:41	176.564	225.002	260.940	175.001	393.755	1.563	166710.840	104.688	110.938
3	17:48:49	165.626	278.128	289.065	150.001	392.193	0.000	165542.690	65.625	79.688
x		161.980	252.086	264.586	156.251	380.213	0.521	165962.110	78.646	95.313
σ		16.707	26.578	22.876	16.536	22.116	0.902	649.988	22.553	15.625
%RSD		10.315	10.543	8.646	10.583	5.817	173.205	0.392	28.676	16.393

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:46:33	3.125	3.125	82.813	21.875	1732.918	187.501	2201.732	3623.897	374188.820
2	17:47:41	0.000	0.000	87.500	17.188	1537.583	182.814	2115.782	3669.221	364475.290
3	17:48:49	1.563	1.563	98.438	14.063	1632.906	178.126	2123.595	3633.275	357446.310
x		1.563	1.563	89.584	17.708	1634.469	182.814	2147.036	3642.131	365370.140
σ		1.563	1.563	8.018	3.932	97.677	4.688	47.529	23.925	8407.048
%RSD		100.000	100.000	8.950	22.205	5.976	2.564	2.214	0.657	2.301

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:46:33	391626.670	62.500	112.500	28218.467	25870.278	62464.390	289802.160	19987.410
2	17:47:41	384972.870	32.813	65.625	28093.221	25646.438	61929.255	284906.710	18970.400
3	17:48:49	374814.270	35.938	64.063	27338.634	24711.980	60590.721	287858.770	19092.437
x		383804.600	43.750	80.729	27883.441	25409.565	61661.456	287522.550	19350.082
σ		8466.865	16.313	27.526	475.954	614.406	965.115	2464.979	555.305
%RSD		2.206	37.287	34.096	1.707	2.418	1.565	0.857	2.870

C2339-09X25 MF4Q13 06/05/2011 05:53:20 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:54:29	34035.810	5.208	842.212	287.503	6026308.000	858295.930	115740.400	137849.390	1473.514
2	17:55:37	34604.360	5.729	704.705	396.881	6045524.800	855671.220	115523.030	137497.590	1518.831
3	17:56:45	35003.769	5.729	768.771	335.941	6151955.800	872124.210	116665.060	140249.140	1567.274
x		34547.980	5.556	771.896	340.108	6074596.200	862030.450	115976.160	138532.040	1519.873
σ		486.437	0.301	68.807	54.808	67680.894	8839.416	606.424	1497.421	46.889
%RSD		1.408	5.413	8.914	16.115	1.114	1.025	0.523	1.081	3.085

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:54:29	180395.910	1096.917	36050.117	122794.240	160577.120	7544.179	123544.410	89004.527	6.250
2	17:55:37	182203.000	1234.428	35868.410	123021.180	161654.800	7556.686	124409.690	89693.189	4.688
3	17:56:45	183174.690	1193.800	36446.433	123251.270	164787.160	7877.171	126518.710	91117.787	6.250
x		181924.530	1175.048	36121.653	123022.230	162339.690	7659.345	124824.270	89938.501	5.729
σ		1410.162	70.647	295.577	228.520	2186.987	188.746	1529.877	1077.776	0.902
%RSD		0.775	6.012	0.818	0.186	1.347	2.464	1.226	1.198	15.746

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:54:29	14352.519	120934.720	18718.505	6957.944	242.190	38199.441	562.511	35.938	60.938
2	17:55:37	13661.216	119916.820	18405.599	6959.507	254.690	38896.631	590.637	25.000	50.000
3	17:56:45	13057.527	119614.300	18677.827	7109.581	317.191	38964.002	578.137	32.813	85.938
x		13690.421	120155.280	18600.644	7009.011	271.357	38686.691	577.095	31.250	65.625
σ		647.990	691.756	170.134	87.100	40.183	423.313	14.092	5.634	18.422
%RSD		4.733	0.576	0.915	1.243	14.808	1.094	2.442	18.028	28.071

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:54:29	9010.653	4238.129	2900.294	150.001	34.375	34.375	157.293	13.542	14.583
2	17:55:37	8852.742	4042.760	2948.742	154.168	25.000	25.000	153.647	8.333	10.938
3	17:56:45	8848.052	4305.336	2936.239	134.896	32.813	32.813	153.126	23.438	9.896
x		8903.816	4195.408	2928.425	146.355	30.729	30.729	154.688	15.104	11.806
σ		92.554	136.402	25.151	10.140	5.023	5.023	2.270	7.672	2.461
%RSD		1.039	3.251	0.859	6.928	16.345	16.345	1.468	50.796	20.849

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:54:29	18.750	25.000	28.125	12.500	54.688	1.563	188914.330	75.000	12.500
2	17:55:37	20.313	26.563	42.188	12.500	46.875	1.563	193889.710	78.125	26.563
3	17:56:45	26.563	18.750	26.563	26.563	42.188	0.000	197450.480	106.250	29.688
x		21.875	23.438	32.292	17.188	47.917	1.042	193418.170	86.459	22.917
σ		4.134	4.134	8.606	8.119	6.315	0.902	4287.564	17.211	9.155
%RSD		18.898	17.638	26.650	47.238	13.179	86.603	2.217	19.907	39.951

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:54:29	3.125	3.125	7.813	7.813	123.438	39.063	114.063	189.064	392517.820
2	17:55:37	3.125	3.125	23.438	6.250	114.063	37.500	132.813	159.376	399329.310
3	17:56:45	3.125	3.125	37.500	7.813	137.501	37.500	117.188	218.752	397523.730
x		3.125	3.125	22.917	7.292	125.001	38.021	121.355	189.064	396456.950
σ		0.000	0.000	14.851	0.902	11.797	0.902	10.046	29.688	3528.825
%RSD		0.000	0.000	64.803	12.372	9.437	2.373	8.278	15.703	0.890

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:54:29	412592.060	25.000	39.063	1306.310	1173.486	2872.164	315706.600	850.025
2	17:55:37	411643.400	23.438	59.375	1285.995	1245.367	2876.852	318537.150	895.341
3	17:56:45	410966.510	25.000	75.000	1340.688	1176.611	2822.154	322365.350	903.154
x		411733.990	24.479	57.813	1310.998	1198.488	2857.057	318869.700	882.840
σ		816.552	0.902	18.020	27.646	40.628	30.317	3341.809	28.685
%RSD		0.198	3.685	31.169	2.109	3.390	1.061	1.048	3.249

C2339-19 MF4Q58 06/05/2011 06:01:16 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:02:24	31730.512	5.208	10524.188	654.703	105560400.000	13882883.000	1879579.500	2263667.200	2234.550
2	18:03:31	31656.912	5.729	10783.756	659.390	106849870.000	14188667.000	1902157.300	2240173.400	2129.846
3	18:04:39	30778.433	6.771	10320.914	671.891	105524100.000	13966936.000	1859931.900	2247200.800	2132.972
x		31388.619	5.903	10542.953	661.995	105978120.000	14012828.000	1880556.200	2250347.200	2165.789
σ		529.717	0.796	231.991	8.885	755170.280	157973.410	21129.626	12058.791	59.569
%RSD		1.688	13.478	2.200	1.342	0.713	1.127	1.124	0.536	2.750

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:02:24	4090227.300	2153.591	272610.880	637086.550	2945278.500	198558.820	3177527.700	89883.135	98.438
2	18:03:31	4114480.000	2381.410	273346.610	648842.040	2935220.600	202209.070	3248635.800	89885.355	101.563
3	18:04:39	4051575.000	2101.173	271473.900	650175.670	2869724.900	200135.110	3226664.400	92434.274	90.625
x		4085427.400	2212.058	272477.130	645368.090	2916741.300	200301.000	3217609.300	90734.254	96.875
σ		31725.989	148.986	943.490	7202.956	41026.797	1830.772	36408.585	1472.260	5.634
%RSD		0.777	6.735	0.346	1.116	1.407	0.914	1.132	1.623	5.815

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:02:24	84558.894	321956.280	60677.024	15844.720	1598.527	100543.200	6760.975	207.814	662.515
2	18:03:31	90726.244	320818.610	62407.894	16315.562	1607.903	103202.690	6898.540	206.251	670.328
3	18:04:39	93824.284	314558.240	62899.104	16096.563	1553.209	100152.970	6806.309	193.751	626.576
x		89703.141	319111.040	61994.674	16085.615	1586.546	101299.620	6821.941	202.606	653.140
σ		4716.664	3983.664	1167.250	235.612	29.249	1659.615	70.103	7.708	23.334
%RSD		5.258	1.248	1.883	1.465	1.844	1.638	1.028	3.804	3.573

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:02:24	1432.884	681.266	36206.762	1104.209	292.190	292.190	357.296	170.314	6.250
2	18:03:31	1428.196	650.015	36662.610	1142.754	290.628	290.628	387.505	175.522	11.458
3	18:04:39	1418.821	665.641	35951.431	1209.426	285.940	285.940	364.588	165.626	8.854
x		1426.634	665.641	36273.601	1152.130	289.586	289.586	369.796	170.487	8.854
σ		7.161	15.626	360.270	53.231	3.253	3.253	15.764	4.950	2.604
%RSD		0.502	2.347	0.993	4.620	1.123	1.123	4.263	2.904	29.412

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:02:24	78.125	128.126	154.688	92.188	245.315	0.000	171784.490	103.125	18.750
2	18:03:31	78.125	131.251	131.251	98.438	209.377	0.000	172485.040	81.250	20.313
3	18:04:39	82.813	137.501	123.438	82.813	207.814	1.563	169343.100	90.625	21.875
x		79.688	132.292	136.459	91.146	220.835	0.521	171204.210	91.667	20.313
σ		2.706	4.774	16.263	7.864	21.214	0.902	1649.392	10.975	1.563
%RSD		3.396	3.608	11.918	8.628	9.606	173.205	0.963	11.972	7.692

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:02:24	0.000	0.000	28.125	9.375	179.689	50.000	4125.596	7522.292	374658.710
2	18:03:31	1.563	1.563	34.375	1.563	142.188	43.750	4256.884	7356.581	373807.140
3	18:04:39	1.563	1.563	12.500	0.000	159.376	68.750	4219.373	7272.163	371977.490
x		1.042	1.042	25.000	3.646	160.418	54.167	4200.618	7383.679	373481.110
σ		0.902	0.902	11.267	5.023	18.772	13.010	67.624	127.247	1370.019
%RSD		86.603	86.603	45.069	137.766	11.702	24.019	1.610	1.723	0.367

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:02:24	393934.140	23.438	57.813	309.378	300.003	653.140	290082.770	17826.741
2	18:03:31	388152.510	26.563	50.000	304.691	257.815	696.892	290160.890	18056.717
3	18:04:39	394343.640	23.438	59.375	290.628	267.190	675.016	292059.940	18009.783
x		392143.430	24.479	55.729	301.566	275.003	675.016	290767.870	17964.413
σ		3462.301	1.804	5.023	9.758	22.153	21.876	1119.653	121.516
%RSD		0.883	7.370	9.013	3.236	8.055	3.241	0.385	0.676

C2339-20 MF4Q59 06/05/2011 06:09:10 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:10:18	30354.089	5.208	10294.333	507.822	106654350.000	13816764.000	1896235.500	2249686.100	1934.506
2	18:11:26	31384.437	3.646	10519.497	487.508	105611470.000	13869763.000	1908702.000	2293087.300	1793.863
3	18:12:34	31179.301	3.646	10505.424	503.134	106247240.000	14121788.000	1910340.100	2277850.000	1711.040
x		30972.609	4.167	10439.751	499.488	106171020.000	13936105.000	1905092.500	2273541.100	1813.136
σ		545.385	0.902	126.132	10.636	525597.880	162975.450	7714.024	22019.116	112.973
%RSD		1.761	21.651	1.208	2.129	0.495	1.169	0.405	0.968	6.231

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:10:18	4056602.100	2054.803	269550.490	656302.770	2879595.000	186815.120	3209657.400	89481.258	64.063
2	18:11:26	4090971.900	2298.750	272413.410	676454.640	2863090.600	200420.120	3251636.500	89994.150	85.938
3	18:12:34	4052782.500	1649.568	270430.960	674814.090	2868642.200	198863.560	3224866.200	90462.636	54.688
x		4066785.500	2001.040	270798.290	669190.500	2870442.600	195366.270	3228720.000	89979.348	68.229
σ		21032.917	327.913	1466.380	11191.204	8398.175	7446.291	21253.236	490.856	16.036
%RSD		0.517	16.387	0.542	1.672	0.293	3.811	0.658	0.546	23.504

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:10:18	94145.134	318374.200	63274.192	15348.866	603.138	88260.872	6349.848	239.065	607.825
2	18:11:26	98971.340	320008.550	65405.634	15771.201	539.073	89339.420	6126.313	209.377	607.825
3	18:12:34	100121.500	315888.680	64973.984	15661.705	595.325	89935.329	5957.492	201.564	548.448
x		97745.992	318090.480	64551.270	15593.924	579.178	89178.541	6144.551	216.668	588.033
σ		3171.017	2074.539	1126.844	219.174	34.952	848.742	196.813	19.785	34.282
%RSD		3.244	0.652	1.746	1.406	6.035	0.952	3.203	9.132	5.830

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:10:18	1143.796	512.509	34132.916	1170.881	271.878	271.878	360.942	145.834	10.938
2	18:11:26	1075.040	546.885	34905.091	1230.261	314.066	314.066	391.672	168.230	9.375
3	18:12:34	1125.044	476.570	34073.399	1252.138	306.253	306.253	375.005	161.459	9.375
x		1114.627	511.988	34370.469	1217.760	297.399	297.399	375.873	158.508	9.896
σ		35.542	35.160	463.952	42.046	22.445	22.445	15.383	11.486	0.902
%RSD		3.189	6.867	1.350	3.453	7.547	7.547	4.093	7.246	9.116

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:10:18	98.438	100.000	135.938	90.625	225.002	0.000	170147.890	92.188	14.063
2	18:11:26	81.250	146.876	123.438	82.813	218.752	0.000	171365.440	89.063	23.438
3	18:12:34	79.688	134.376	131.251	87.500	215.627	0.000	170731.350	73.438	21.875
x		86.459	127.084	130.209	86.979	219.793	0.000	170748.220	84.896	19.792
σ		10.404	24.273	6.315	3.932	4.774	0.000	608.950	10.046	5.023
%RSD		12.033	19.100	4.850	4.521	2.172	0.000	0.357	11.833	25.378

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:10:18	3.125	3.125	25.000	7.813	75.000	57.813	4366.292	7436.310	372830.550
2	18:11:26	4.688	4.688	10.938	0.000	70.313	42.188	4313.151	7464.450	377593.860
3	18:12:34	0.000	0.000	20.313	9.375	73.438	51.563	4252.195	7673.936	378379.880
x		2.604	2.604	18.750	5.729	72.917	50.521	4310.546	7524.898	376268.100
σ		2.387	2.387	7.160	5.023	2.387	7.864	57.093	129.835	3002.832
%RSD		91.652	91.652	38.188	87.670	3.273	15.567	1.324	1.725	0.798

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:10:18	398124.490	25.000	62.500	217.189	198.439	540.635	292852.490	18494.777
2	18:11:26	396868.380	28.125	46.875	253.127	167.188	557.823	294267.050	18216.294
3	18:12:34	400895.710	14.063	45.313	256.252	220.314	454.695	300298.440	18511.987
x		398629.530	22.396	51.563	242.190	195.314	517.718	295805.990	18407.686
σ		2060.615	7.384	9.504	21.707	26.700	55.252	3954.343	165.973
%RSD		0.517	32.971	18.433	8.963	13.670	10.672	1.337	0.902

ZZZZZZ 06/05/2011 06:17:05 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:18:13	33219.830	5.729	7641.106	1956.384	62644990.000	10540152.000	1421758.500	1682137.600	1242.242
2	18:19:21	33575.347	1.563	8038.198	2159.538	63622625.000	10465944.000	1414283.300	1680313.100	1193.800
3	18:20:30	33876.055	5.729	7623.909	2206.420	62165552.000	10289171.000	1400015.200	1680295.900	1228.178
x		33557.077	4.340	7767.738	2107.448	62811055.000	10431756.000	1412019.000	1680915.500	1221.406
σ		328.494	2.406	234.384	132.908	742595.760	128936.400	11047.086	1058.345	24.921
%RSD		0.979	55.426	3.017	6.307	1.182	1.236	0.782	0.063	2.040

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:18:13	1928759.100	1321.936	46428.449	452224.340	1415873.400	101284.340	1680840.400	87809.667	53.125
2	18:19:21	1922313.800	1375.066	47143.284	460188.320	1437636.500	102252.140	1676118.400	87136.816	29.688
3	18:20:30	1956618.600	1317.248	47779.768	460972.380	1427036.100	100698.980	1681560.400	87404.066	34.375
x		1935897.200	1338.084	47117.167	457795.010	1426848.700	101411.820	1679506.400	87450.183	39.063
σ		18232.367	32.114	676.038	4840.249	10882.772	784.389	2956.080	338.788	12.402
%RSD		0.942	2.400	1.435	1.057	0.763	0.773	0.176	0.387	31.749

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:18:13	54724.931	1192.237	18607.423	3103.462	442.194	37434.921	2975.310	296.878	215.627
2	18:19:21	57648.897	1171.923	19849.718	2856.536	456.257	37669.913	2851.847	239.065	264.065
3	18:20:30	59547.285	1198.488	20198.644	2962.807	459.382	38219.808	2895.606	270.315	248.440
x		57307.038	1187.549	19551.929	2974.268	452.611	37774.881	2907.588	268.753	242.710
σ		2429.285	13.889	836.364	123.862	9.156	402.834	62.597	28.938	24.722
%RSD		4.239	1.170	4.278	4.164	2.023	1.066	2.153	10.768	10.186

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:18:13	1995.452	954.719	1281.308	1638.115	125.001	125.001	135.938	9.896	9.896
2	18:19:21	2120.470	907.841	1406.319	1625.092	164.063	164.063	134.896	20.313	9.896
3	18:20:30	2078.276	1003.160	1264.118	1634.469	179.689	179.689	134.896	11.979	9.375
x		2064.733	955.240	1317.248	1632.559	156.251	156.251	135.244	14.063	9.722
σ		63.600	47.662	77.615	6.718	28.169	28.169	0.601	5.512	0.301
%RSD		3.080	4.989	5.892	0.411	18.028	18.028	0.445	39.196	3.093

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:18:13	10.938	9.375	10.938	6.250	25.000	0.000	183966.010	98.438	10.938
2	18:19:21	17.188	15.625	17.188	7.813	17.188	0.000	179838.950	78.125	12.500
3	18:20:30	18.750	9.375	7.813	4.688	1.563	0.000	182954.710	76.563	34.375
x		15.625	11.458	11.979	6.250	14.583	0.000	182253.220	84.375	19.271
σ		4.134	3.608	4.774	1.563	11.934	0.000	2151.093	12.204	13.104
%RSD		26.458	31.492	39.849	25.000	81.832	0.000	1.180	14.463	67.999

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:18:13	0.000	0.000	20.313	9.375	71.875	40.625	976.596	1828.242	384666.340
2	18:19:21	0.000	0.000	17.188	1.563	68.750	29.688	978.158	1754.795	387391.640
3	18:20:30	1.563	1.563	12.500	6.250	75.000	25.000	926.593	1739.168	380000.170
x		0.521	0.521	16.667	5.729	71.875	31.771	960.449	1774.069	384019.380
σ		0.902	0.902	3.932	3.932	3.125	8.018	29.331	47.562	3737.964
%RSD		173.205	173.205	23.593	68.635	4.348	25.237	3.054	2.681	0.973

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:18:13	407969.930	31.250	54.688	359.380	340.629	779.709	308982.260	29.688
2	18:19:21	400617.760	12.500	53.125	345.317	320.316	810.961	303548.880	17.188
3	18:20:30	406717.790	12.500	35.938	379.693	315.628	790.647	302953.630	29.688
x		405101.830	18.750	47.917	361.463	325.525	793.772	305161.590	25.521
σ		3933.461	10.825	10.404	17.282	13.289	15.859	3322.160	7.217
%RSD		0.971	57.735	21.712	4.781	4.082	1.998	1.089	28.278

C2339-19X25 MF4Q58 06/05/2011 06:25:01 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:26:09	35660.077	2.604	825.024	470.320	5088396.500	686053.840	90789.142	109796.880	2317.375
2	18:27:17	35171.368	4.167	762.520	448.445	5122598.100	686474.030	92852.340	110396.790	2351.756
3	18:28:26	35932.634	3.125	681.266	356.254	5098342.600	684962.880	90474.656	107765.880	2286.120
x		35588.026	3.299	756.270	425.006	5103112.400	685830.250	91372.046	109319.850	2318.417
σ		385.714	0.796	72.082	60.537	17592.624	779.990	1291.579	1378.801	32.830
%RSD		1.084	24.119	9.531	14.244	0.345	0.114	1.414	1.261	1.416

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:26:09	205100.890	1185.987	34004.485	130527.980	199733.450	9054.431	147142.970	92007.839	3.125
2	18:27:17	207304.230	1148.484	34587.131	129042.700	200509.840	9212.344	151559.090	90741.969	4.688
3	18:28:26	200490.830	1154.734	34032.677	126608.570	198516.670	9109.153	146975.630	90908.648	3.125
x		204298.650	1163.068	34208.098	128726.410	199586.650	9125.310	148559.230	91219.486	3.646
σ		3476.825	20.093	328.555	1978.756	1004.663	80.187	2599.301	687.802	0.902
%RSD		1.702	1.728	0.960	1.537	0.503	0.879	1.750	0.754	24.744

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:26:09	18125.554	15596.009	7753.666	4020.878	245.315	42814.061	707.830	25.000	42.188
2	18:27:17	17567.044	15880.697	7433.183	3873.963	260.940	42951.974	715.643	3.125	34.375
3	18:28:26	16983.527	15761.815	7387.847	4038.071	239.065	43480.130	698.455	25.000	37.500
x		17558.708	15746.174	7524.899	3977.637	248.440	43082.055	707.309	17.708	38.021
σ		571.059	142.987	199.411	90.195	11.268	351.572	8.606	12.630	3.932
%RSD		3.252	0.908	2.650	2.268	4.535	0.816	1.217	71.320	10.342

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:26:09	125.001	51.563	2151.725	172.397	37.500	37.500	157.293	15.104	8.854
2	18:27:17	118.750	64.063	2037.645	148.959	42.188	42.188	153.126	11.979	8.333
3	18:28:26	106.250	59.375	2223.611	155.209	40.625	40.625	132.292	16.667	11.458
x		116.667	58.333	2137.660	158.855	40.104	40.104	147.570	14.583	9.549
σ		9.547	6.315	93.777	12.137	2.387	2.387	13.394	2.387	1.674
%RSD		8.183	10.825	4.387	7.640	5.951	5.951	9.076	16.366	17.534

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:26:09	20.313	12.500	9.375	6.250	20.313	1.563	198573.700	100.000	6.250
2	18:27:17	14.063	9.375	21.875	10.938	21.875	1.563	192979.060	92.188	6.250
3	18:28:26	18.750	10.938	17.188	4.688	18.750	0.000	198195.060	85.938	7.813
x		17.708	10.938	16.146	7.292	20.313	1.042	196582.610	92.709	6.771
σ		3.253	1.563	6.315	3.253	1.563	0.902	3126.500	7.046	0.902
%RSD		18.368	14.286	39.111	44.607	7.692	86.603	1.590	7.600	13.323

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:26:09	3.125	3.125	3.125	1.563	37.500	17.188	206.251	332.816	404821.300
2	18:27:17	1.563	1.563	10.938	1.563	50.000	21.875	164.063	382.818	400020.110
3	18:28:26	0.000	0.000	14.063	3.125	46.875	10.938	195.314	360.942	398150.200
x		1.563	1.563	9.375	2.083	44.792	16.667	188.543	358.859	400997.200
σ		1.563	1.563	5.634	0.902	6.505	5.487	21.894	25.066	3441.213
%RSD		100.000	100.000	60.093	43.301	14.523	32.924	11.612	6.985	0.858

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:26:09	425908.810	7.813	40.625	26.563	17.188	90.625	318380.590	756.270
2	18:27:17	414574.800	17.188	28.125	43.750	35.938	85.938	314719.550	787.522
3	18:28:26	424421.780	20.313	32.813	53.125	39.063	81.250	325186.020	757.833
x		421635.130	15.104	33.854	41.146	30.729	85.938	319428.720	767.208
σ		6159.463	6.505	6.315	13.471	11.831	4.688	5311.373	17.609
%RSD		1.461	43.069	18.653	32.741	38.501	5.455	1.663	2.295

C2339-20X25 MF4Q59 06/05/2011 06:32:58 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:34:06	35373.428	5.208	676.579	351.567	4985455.900	650449.650	86457.708	104107.650	1393.818
2	18:35:14	35833.949	4.167	650.015	379.693	4977353.800	666128.230	87479.526	106114.530	1375.066
3	18:36:22	35476.809	5.208	682.829	412.506	4939352.200	655431.520	87081.794	105313.320	1425.071
x		35561.395	4.861	669.807	381.255	4967387.300	657336.470	87006.343	105178.500	1397.985
σ		241.632	0.601	17.423	30.500	24614.729	8011.000	515.070	1010.206	25.262
%RSD		0.679	12.372	2.601	8.000	0.496	1.219	0.592	0.960	1.807

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:34:06	195765.020	1207.864	34106.290	122044.100	196642.580	8724.538	144011.300	92844.476	6.250
2	18:35:14	195576.530	1242.242	33935.571	125041.730	196042.220	8899.646	142702.950	92742.253	6.250
3	18:36:22	197301.570	1153.172	33727.267	126368.960	196560.210	8873.067	142164.810	91782.962	6.250
x		196214.370	1201.092	33923.043	124484.930	196415.000	8832.417	142959.690	92456.564	6.250
σ		946.245	44.919	189.822	2215.541	325.453	94.366	949.636	585.591	0.000
%RSD		0.482	3.740	0.560	1.780	0.166	1.068	0.664	0.633	0.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:34:06	14024.068	15023.521	6207.598	3767.684	221.877	42105.710	646.890	20.313	53.125
2	18:35:14	13647.140	15378.586	6179.461	3842.704	225.002	42937.869	646.890	23.438	45.313
3	18:36:22	13531.405	15175.243	6013.766	3947.420	218.752	43282.657	760.958	18.750	51.563
x		13734.205	15192.450	6133.608	3852.603	221.877	42775.412	684.912	20.833	50.000
σ		257.612	178.157	104.736	90.276	3.125	605.058	65.857	2.387	4.134
%RSD		1.876	1.173	1.708	2.343	1.408	1.414	9.615	11.456	8.268

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:34:06	93.750	39.063	1796.988	132.292	40.625	40.625	160.938	14.583	8.333
2	18:35:14	98.438	43.750	1831.367	113.021	26.563	26.563	177.605	14.583	7.813
3	18:36:22	82.813	50.000	1817.303	127.605	26.563	26.563	166.668	11.458	10.417
x		91.667	44.271	1815.220	124.306	31.250	31.250	168.404	13.542	8.854
σ		8.018	5.487	17.284	10.050	8.119	8.119	8.468	1.804	1.378
%RSD		8.747	12.395	0.952	8.085	25.981	25.981	5.028	13.323	15.563

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:34:06	10.938	14.063	18.750	14.063	17.188	0.000	193987.900	112.500	7.813
2	18:35:14	10.938	23.438	10.938	14.063	18.750	0.000	195402.290	101.563	21.875
3	18:36:22	9.375	17.188	23.438	9.375	23.438	1.563	200349.810	121.876	21.875
x		10.417	18.229	17.708	12.500	19.792	0.521	196580.000	111.980	17.188
σ		0.902	4.774	6.315	2.706	3.253	0.902	3340.465	10.166	8.119
%RSD		8.660	26.186	35.660	21.651	16.434	173.205	1.699	9.079	47.238

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:34:06	0.000	0.000	14.063	0.000	54.688	15.625	173.439	295.316	399567.070
2	18:35:14	0.000	0.000	25.000	1.563	53.125	15.625	179.689	335.941	403906.900
3	18:36:22	0.000	0.000	15.625	1.563	31.250	7.813	187.501	345.317	406047.560
x		0.000	0.000	18.229	1.042	46.354	13.021	180.209	325.525	403173.840
σ		0.000	0.000	5.916	0.902	13.104	4.511	7.046	26.578	3301.853
%RSD		0.000	0.000	32.451	86.603	28.269	34.641	3.910	8.165	0.819

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:34:06	425002.730	21.875	31.250	23.438	29.688	65.625	319201.740	879.715
2	18:35:14	430419.140	14.063	26.563	42.188	34.375	81.250	325614.360	851.588
3	18:36:22	423103.850	17.188	39.063	29.688	31.250	82.813	333851.240	784.397
x		426175.240	17.708	32.292	31.771	31.771	76.563	326222.450	838.566
σ		3795.980	3.932	6.315	9.547	2.387	9.504	7343.656	48.975
%RSD		0.891	22.205	19.555	30.050	7.512	12.414	2.251	5.840

CCV 06/05/2011 06:40:53 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:42:01	33822.805	36192.664	8396.217	459.382	26615959.000	19249023.000	2623093.800	3082918.900	4284379.600
2	18:43:09	32901.908	35934.722	8627.605	420.319	26381327.000	19131581.000	2597555.100	3112249.800	4311561.700
3	18:44:17	33775.819	35606.297	8508.783	478.133	27093404.000	19363432.000	2588680.100	3121272.000	4311696.000
x		33500.177	35911.228	8510.868	452.611	26696897.000	19248012.000	2603109.700	3105480.200	4302545.800
σ		518.649	293.888	115.708	29.496	362872.610	115928.920	17866.566	20052.708	15732.538
%RSD		1.548	0.818	1.360	6.517	1.359	0.602	0.686	0.646	0.366

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:42:01	94509.557	175790.590	21578.785	95817.133	9432383.100	49225.133	729294.310	86930.879	21710.234
2	18:43:09	94269.236	176791.900	21046.742	97937.691	9405773.000	49030.014	739913.770	86798.830	22653.885
3	18:44:17	94391.367	177449.980	21329.974	96757.817	9548213.800	49426.828	760836.560	87591.144	22564.682
x		94390.054	176677.490	21318.501	96837.547	9462123.300	49227.325	743348.210	87106.951	22309.600
σ		120.166	835.590	266.207	1062.525	75734.436	198.416	16049.145	424.489	520.979
%RSD		0.127	0.473	1.249	1.097	0.800	0.403	2.159	0.487	2.335

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:42:01	324228.690	317516.360	40615.467	1269959.700	961091.330	21072405.000	495429.960	380548.860	78973.939
2	18:43:09	320775.470	313935.390	41087.125	1290478.800	980338.550	21649011.000	499974.580	384043.670	80403.757
3	18:44:17	327051.320	325013.410	41018.178	1289535.000	979183.540	21671702.000	506466.540	393701.290	80424.184
x		324018.490	318821.720	40906.923	1283324.500	973537.810	21464373.000	500623.690	386097.940	79933.960
σ		3143.202	5653.194	254.752	11583.859	10794.424	339643.330	5546.848	6812.605	831.465
%RSD		0.970	1.773	0.623	0.903	1.109	1.582	1.108	1.764	1.040

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:42:01	382779.150	180103.190	141917.060	49453.157	3355.081	3355.081	11359.202	4778.924	11.979
2	18:43:09	394067.430	181320.000	143768.240	50320.762	3450.417	3450.417	11524.438	4771.109	9.896
3	18:44:17	394859.160	185198.970	146819.350	50629.140	3606.705	3606.705	11561.969	4769.025	9.375
x		390568.580	182207.390	144168.220	50134.353	3470.734	3470.734	11481.870	4773.019	10.417
σ		6757.447	2661.267	2475.501	609.750	127.036	127.036	107.878	5.219	1.378
%RSD		1.730	1.461	1.717	1.216	3.660	3.660	0.940	0.109	13.229

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:42:01	60498.143	103287.670	115611.240	66090.023	173592.080	0.000	185257.540	7111.145	329644.280
2	18:43:09	61613.833	106723.730	119724.600	68272.124	175901.320	3.125	185703.900	7101.765	337672.300
3	18:44:17	62183.481	106818.180	117693.760	67443.201	176328.410	1.563	188383.960	7328.442	338396.960
x		61431.819	105609.860	117676.530	67268.449	175273.940	1.563	186448.470	7180.450	335237.850
σ		857.285	2011.628	2056.734	1101.496	1472.102	1.563	1690.981	128.250	4857.702
%RSD		1.396	1.905	1.748	1.637	0.840	100.000	0.907	1.786	1.449

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:42:01	5335.371	5335.371	326897.870	81154.861	213315.190	289212.260	230793.100	399942.990	396282.130
2	18:43:09	5538.573	5538.573	334868.380	82595.897	215461.100	290832.150	232776.460	408620.960	405065.580
3	18:44:17	5444.787	5444.787	336562.190	83127.090	215253.310	295155.410	233751.560	409418.310	393099.100
x		5439.577	5439.577	332776.150	82292.616	214676.530	291733.270	232440.370	405994.090	398148.940
σ		101.701	101.701	5160.703	1020.493	1183.527	3072.341	1507.592	5255.545	6197.813
%RSD		1.870	1.870	1.551	1.240	0.551	1.053	0.649	1.294	1.557

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:42:01	422236.560	429672.150	1060892.900	342366.440	327073.700	776145.200	313240.700	1784493.300
2	18:43:09	419618.910	429092.620	1078114.800	349586.610	331375.850	778641.300	317017.980	1788352.900
3	18:44:17	417197.970	432824.580	1073892.000	346154.540	333630.550	793602.110	314821.760	1844679.400
x		419684.480	430529.780	1070966.600	346035.860	330693.360	782796.200	315026.810	1805841.900
σ		2519.933	2008.365	8975.936	3611.549	3331.276	9441.049	1896.969	33689.649
%RSD		0.600	0.466	0.838	1.044	1.007	1.206	0.602	1.866

CCB 06/05/2011 06:48:46 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:49:55	34408.576	16.667	225.002	329.691	40101.518	8991.891	1232.866	1451.636	2057.961
2	18:51:03	35011.601	21.354	185.939	317.191	46036.558	11384.222	1565.711	1897.001	2495.530
3	18:52:11	34693.639	36.979	207.814	334.379	57725.769	18540.148	2548.665	2906.546	3880.214
x		34704.605	25.000	206.252	327.087	47954.615	12972.087	1782.414	2085.061	2811.235
σ		301.662	10.636	19.578	8.885	8967.316	4968.228	684.143	745.463	951.265
%RSD		0.869	42.543	9.492	2.716	18.700	38.299	38.383	35.753	33.838

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:49:55	3339.453	1253.180	21657.029	94536.770	65906.365	40.625	823.461	89834.699	9.375
2	18:51:03	3451.980	1326.624	21805.692	93152.723	67520.125	57.813	962.532	88741.964	18.750
3	18:52:11	3562.944	1334.437	21904.280	95694.440	70049.447	68.750	1351.626	88987.232	21.875
x		3451.459	1304.747	21789.000	94461.311	67825.313	55.729	1045.873	89187.965	16.667
σ		111.747	44.829	124.468	1272.538	2088.334	14.178	273.768	573.357	6.505
%RSD		3.238	3.436	0.571	1.347	3.079	25.441	26.176	0.643	39.031

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:49:55	6932.932	406.256	2422.080	3647.341	445.319	42865.778	498.446	154.688	40.625
2	18:51:03	6754.722	473.445	2200.169	3809.883	645.327	46676.129	537.510	198.439	35.938
3	18:52:11	6750.032	565.636	2232.987	4186.551	935.968	52504.119	696.892	328.129	78.125
x		6812.562	481.779	2285.079	3881.258	675.538	47348.675	577.616	227.085	51.563
σ		104.270	80.016	119.776	276.600	246.716	4854.240	105.126	90.199	23.123
%RSD		1.531	16.609	5.242	7.127	36.521	10.252	18.200	39.720	44.844

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:49:55	179.689	76.563	131.251	85.417	14.063	14.063	145.313	13.021	9.375
2	18:51:03	221.877	87.500	137.501	86.459	14.063	14.063	161.459	10.417	8.854
3	18:52:11	354.692	154.688	231.252	103.125	17.188	17.188	173.439	15.625	7.813
x		252.086	106.250	166.668	91.667	15.104	15.104	160.070	13.021	8.681
σ		91.329	42.303	56.019	9.937	1.804	1.804	14.114	2.604	0.796
%RSD		36.229	39.815	33.611	10.840	11.945	11.945	8.817	20.000	9.165

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:49:55	93.750	160.938	215.627	82.813	265.627	3.125	190945.760	131.251	279.690
2	18:51:03	85.938	143.751	140.626	84.375	193.751	0.000	196572.880	128.126	343.754
3	18:52:11	78.125	156.251	157.813	101.563	240.627	0.000	193066.170	100.000	440.632
x		85.938	153.647	171.355	89.584	233.335	1.042	193528.270	119.792	354.692
σ		7.813	8.885	39.291	10.404	36.489	1.804	2841.876	17.211	81.026
%RSD		9.091	5.783	22.930	11.613	15.638	173.205	1.468	14.368	22.844

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:49:55	3.125	3.125	273.440	31.250	359.380	454.695	81.250	167.188	399984.760
2	18:51:03	4.688	4.688	329.691	46.875	309.378	393.755	114.063	198.439	396179.340
3	18:52:11	4.688	4.688	418.756	59.375	335.941	376.567	156.251	303.128	403341.250
x		4.167	4.167	340.629	45.833	334.900	408.339	117.188	222.919	399835.120
σ		0.902	0.902	73.273	14.091	25.017	41.055	37.598	71.199	3583.299
%RSD		21.651	21.651	21.511	30.745	7.470	10.054	32.083	31.940	0.896

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:49:55	418932.000	210.939	506.259	131.251	150.001	298.441	326442.320	682.829
2	18:51:03	416039.920	264.065	690.642	162.501	168.751	385.943	320586.930	829.712
3	18:52:11	420941.350	339.067	882.840	309.378	268.753	673.453	320689.190	1260.993
x		418637.760	271.357	693.247	201.043	195.835	452.612	322572.810	924.511
σ		2463.926	64.374	188.304	95.113	63.841	196.194	3351.478	300.514
%RSD		0.589	23.723	27.163	47.310	32.599	43.347	1.039	32.505

C2362-10 MJDX45 06/05/2011 06:56:40 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:57:48	31232.542	11.979	153.126	926.593	6496097.400	2810565.100	375345.130	452762.870	1990.764
2	18:58:56	31058.726	10.417	153.126	860.963	6518755.500	2784442.300	365345.540	443811.900	1940.757
3	19:00:05	31000.788	5.208	142.188	856.276	6313087.600	2733834.100	365826.360	442663.010	1665.722
x		31097.352	9.201	149.480	881.277	6442646.800	2776280.500	368839.010	446412.600	1865.748
σ		120.609	3.545	6.315	39.314	112772.070	39011.209	5639.590	5529.423	175.022
%RSD		0.388	38.529	4.225	4.461	1.750	1.405	1.529	1.239	9.381

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:57:48	2039939.100	1320.374	48781.583	653392.570	612338.820	28047.819	466889.650	82911.782	40.625
2	18:58:56	2039708.600	1284.433	48754.930	668813.430	614660.400	27631.384	465503.300	83221.386	34.375
3	19:00:05	2025835.000	1201.613	48679.674	674823.920	613985.410	27625.122	457650.920	82963.644	40.625
x		2035160.900	1268.806	48738.729	665676.640	613661.550	27768.108	463347.960	83032.271	38.542
σ		8077.286	60.903	52.851	11054.649	1194.194	242.257	4982.235	165.819	3.608
%RSD		0.397	4.800	0.108	1.661	0.195	0.872	1.075	0.200	9.362

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:57:48	82683.904	712.518	27708.095	12015.989	27960.148	194339.510	4678.891	87.500	71.875
2	18:58:56	88188.553	742.207	30410.458	11928.415	27684.612	190366.230	4719.530	78.125	54.688
3	19:00:05	91613.127	732.831	31077.517	11481.174	27506.143	192445.370	4647.631	57.813	42.188
x		87495.195	729.185	29732.023	11808.526	27716.967	192383.700	4682.017	74.479	56.250
σ		4504.810	15.177	1784.224	286.857	228.725	1987.356	36.051	15.176	14.905
%RSD		5.149	2.081	6.001	2.429	0.825	1.033	0.770	20.376	26.498

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:57:48	289.065	148.438	882.840	607.825	223.439	223.439	140.626	10.417	9.375
2	18:58:56	281.253	139.063	920.342	679.704	217.189	217.189	140.105	7.813	7.292
3	19:00:05	287.503	121.876	981.284	722.935	254.690	254.690	133.855	11.979	6.771
x		285.940	136.459	928.155	670.155	231.773	231.773	138.195	10.069	7.813
σ		4.134	13.471	49.685	58.146	20.091	20.091	3.768	2.105	1.378
%RSD		1.446	9.872	5.353	8.676	8.669	8.669	2.726	20.904	17.638

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:57:48	148.438	215.627	162.501	118.750	301.566	0.000	180217.110	84.375	42.188
2	18:58:56	95.313	206.251	239.065	125.001	300.003	0.000	179139.620	87.500	43.750
3	19:00:05	92.188	150.001	232.814	142.188	287.503	0.000	175354.030	67.188	59.375
x		111.980	190.626	211.460	128.646	296.357	0.000	178236.920	79.688	48.438
σ		31.613	35.494	42.515	12.137	7.708	0.000	2554.125	10.938	9.504
%RSD		28.231	18.619	20.105	9.434	2.601	0.000	1.433	13.726	19.622

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:57:48	1.563	1.563	53.125	26.563	175.001	126.563	140.626	239.065	378397.520
2	18:58:56	6.250	6.250	50.000	21.875	129.688	123.438	139.063	214.064	376599.370
3	19:00:05	4.688	4.688	43.750	17.188	159.376	110.938	125.001	210.939	373850.440
x		4.167	4.167	48.958	21.875	154.688	120.313	134.896	221.356	376282.440
σ		2.387	2.387	4.774	4.688	23.017	8.268	8.606	15.416	2290.049
%RSD		57.282	57.282	9.750	21.429	14.880	6.872	6.379	6.964	0.609

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:57:48	394350.070	148.438	315.628	139.063	129.688	343.754	309314.340	606.263
2	18:58:56	390589.470	112.500	246.877	165.626	131.251	282.815	305488.000	559.386
3	19:00:05	389687.200	60.938	171.876	101.563	73.438	215.627	297573.550	426.569
x		391542.240	107.292	244.794	135.417	111.459	280.732	304125.300	530.739
σ		2473.141	43.982	71.899	32.187	32.937	64.089	5987.838	93.209
%RSD		0.632	40.993	29.371	23.769	29.550	22.829	1.969	17.562

C2362-11 MJDX46 06/05/2011 07:04:33 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:05:41	29986.125	8.854	246.877	582.824	3907758.600	3038367.200	417099.510	480724.850	3028.446
2	19:06:49	29784.141	7.813	231.252	543.760	3871791.700	3000801.500	406124.990	470161.560	3256.621
3	19:07:57	29560.239	7.813	248.440	521.885	3811338.400	2968264.800	406336.480	464622.180	3106.588
x		29776.835	8.160	242.190	549.490	3863629.600	3002477.800	409853.660	471836.200	3130.552
σ		213.037	0.601	9.504	30.871	48725.533	35081.230	6275.982	8180.909	115.960
%RSD		0.715	7.370	3.924	5.618	1.261	1.168	1.531	1.734	3.704

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:05:41	2154905.100	868.776	30518.501	625777.790	808181.660	27847.428	458784.870	77321.185	64.063
2	19:06:49	2187972.800	878.152	30751.813	620759.570	804976.850	27416.909	451250.510	77088.684	56.250
3	19:07:57	2171965.900	909.404	30692.310	611380.300	782308.750	27369.944	456999.300	78970.797	68.750
x		2171614.600	885.444	30654.208	619305.890	798489.090	27544.760	455678.230	77793.555	63.021
σ		16536.682	21.273	121.233	7307.997	14103.910	263.168	3937.079	1026.128	6.315
%RSD		0.761	2.402	0.395	1.180	1.766	0.955	0.864	1.319	10.020

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:05:41	91413.417	881.277	31949.750	6667.180	7204.941	106298.700	2698.692	212.502	317.191
2	19:06:49	96020.051	834.399	32496.293	6559.318	7225.264	106766.230	2667.437	245.315	307.816
3	19:07:57	97741.038	857.838	33299.703	6485.847	6850.079	104118.670	2651.809	239.065	314.066
x		95058.169	857.838	32581.915	6570.782	7093.428	105727.870	2672.646	232.294	313.024
σ		3271.638	23.439	679.037	91.209	210.991	1413.075	23.872	17.423	4.774
%RSD		3.442	2.732	2.084	1.388	2.974	1.337	0.893	7.500	1.525

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:05:41	7859.974	3642.652	198946.020	751.582	234.377	234.377	125.521	14.583	5.729
2	19:06:49	7617.656	3762.996	201733.130	757.312	242.190	242.190	110.417	14.063	9.375
3	19:07:57	7744.286	3644.215	197052.860	775.021	240.627	240.627	121.876	16.146	11.979
x		7740.639	3683.287	199244.000	761.305	239.065	239.065	119.271	14.931	9.028
σ		121.201	69.034	2354.323	12.219	4.134	4.134	7.882	1.084	3.139
%RSD		1.566	1.874	1.182	1.605	1.729	1.729	6.608	7.262	34.775

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:05:41	104.688	107.813	118.750	87.500	221.877	0.000	171175.680	75.000	54.688
2	19:06:49	100.000	121.876	129.688	106.250	223.439	0.000	166970.100	79.688	56.250
3	19:07:57	79.688	100.000	145.313	73.438	207.814	0.000	162629.830	78.125	37.500
x		94.792	109.896	131.251	89.063	217.710	0.000	166925.200	77.604	49.479
σ		13.289	11.085	13.350	16.462	8.606	0.000	4273.102	2.387	10.404
%RSD		14.019	10.087	10.171	18.484	3.953	0.000	2.560	3.076	21.026

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:05:41	3.125	3.125	54.688	20.313	114.063	90.625	3892.718	6620.284	351760.890
2	19:06:49	3.125	3.125	51.563	12.500	145.313	90.625	3859.896	6660.928	349024.680
3	19:07:57	3.125	3.125	37.500	25.000	98.438	82.813	3752.055	6393.618	344190.750
x		3.125	3.125	47.917	19.271	119.271	88.021	3834.890	6558.276	348325.440
σ		0.000	0.000	9.155	6.315	23.868	4.511	73.590	144.039	3833.206
%RSD		0.000	0.000	19.107	32.769	20.011	5.124	1.919	2.196	1.100

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:05:41	368618.650	92.188	210.939	1125.044	932.843	2448.647	282834.900	1323.499
2	19:06:49	368847.890	67.188	153.126	1073.478	907.841	2372.072	277731.540	1389.130
3	19:07:57	358548.420	54.688	148.438	1007.848	928.155	2314.250	273063.140	1279.745
x		365338.320	71.354	170.834	1068.790	922.946	2378.323	277876.530	1330.791
σ		5881.347	19.094	34.811	58.739	13.290	67.416	4887.493	55.056
%RSD		1.610	26.760	20.377	5.496	1.440	2.835	1.759	4.137

C2362-12 MJDX47 06/05/2011 07:12:27 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:13:35	30153.665	4.167	118.750	848.463	12300019.000	776264.590	103696.870	124650.840	1712.603
2	19:14:43	30164.626	6.250	139.063	829.712	12124779.000	750722.120	101320.540	122502.690	1675.098
3	19:15:52	30078.507	4.167	134.376	801.585	12218814.000	753765.130	103023.270	122404.980	1637.594
x		30132.266	4.861	130.730	826.586	12214537.000	760250.610	102680.230	123186.170	1675.098
σ		46.878	1.203	10.636	23.595	87698.280	13951.721	1224.746	1269.381	37.504
%RSD		0.156	24.744	8.136	2.854	0.718	1.835	1.193	1.030	2.239

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:13:35	1326107.100	951.594	45291.997	615557.180	332445.590	23340.927	391938.160	76565.569	40.625
2	19:14:43	1318599.800	893.778	45995.802	620237.610	329565.940	23741.587	392056.980	79597.699	32.813
3	19:15:52	1325650.300	953.157	46041.261	629981.640	332304.870	23664.897	393381.720	78150.680	29.688
x		1323452.400	932.843	45776.353	621925.480	331438.800	23582.470	392458.960	78104.650	34.375
σ		4208.672	33.840	420.081	7358.870	1623.466	212.668	801.346	1516.589	5.634
%RSD		0.318	3.628	0.918	1.183	0.490	0.902	0.204	1.942	16.389

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:13:35	93817.993	745.332	31901.204	2848.722	1651.658	41831.468	1096.917	67.188	67.188
2	19:14:43	97287.961	771.896	33424.995	2773.707	1578.212	40689.114	1065.665	64.063	79.688
3	19:15:52	102135.680	835.962	34764.123	2729.948	1553.209	40888.118	1070.353	50.000	64.063
x		97747.213	784.397	33363.441	2784.126	1594.360	41136.233	1077.645	60.417	70.313
σ		4177.820	46.590	1432.451	60.068	51.172	610.258	16.854	9.155	8.268
%RSD		4.274	5.940	4.293	2.158	3.210	1.484	1.564	15.154	11.759

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:13:35	212.502	109.375	80974.152	750.541	237.502	237.502	135.938	7.292	11.458
2	19:14:43	192.189	95.313	78053.275	795.335	250.002	250.002	98.438	10.938	9.896
3	19:15:52	210.939	100.000	79889.949	789.605	254.690	254.690	120.834	13.021	10.938
x		205.210	101.563	79639.125	778.493	247.398	247.398	118.403	10.417	10.764
σ		11.304	7.160	1476.505	24.377	8.885	8.885	18.868	2.900	0.796
%RSD		5.508	7.050	1.854	3.131	3.591	3.591	15.935	27.839	7.391

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:13:35	339.067	526.572	657.828	331.254	964.095	0.000	165700.760	76.563	50.000
2	19:14:43	345.317	595.325	671.891	350.004	929.718	0.000	166710.840	78.125	62.500
3	19:15:52	378.130	582.824	689.079	357.817	950.032	0.000	170559.000	64.063	28.125
x		354.171	568.241	672.933	346.358	947.948	0.000	167656.870	72.917	46.875
σ		20.983	36.623	15.652	13.652	17.283	0.000	2563.560	7.708	17.399
%RSD		5.925	6.445	2.326	3.942	1.823	0.000	1.529	10.570	37.118

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:13:35	1.563	1.563	65.625	23.438	56.250	60.938	296.878	515.634	353001.880
2	19:14:43	0.000	0.000	48.438	20.313	70.313	42.188	273.440	450.007	352177.210
3	19:15:52	1.563	1.563	28.125	20.313	59.375	68.750	257.815	487.508	351703.250
x		1.042	1.042	47.396	21.354	61.979	57.292	276.044	484.383	352294.120
σ		0.902	0.902	18.772	1.804	7.384	13.651	19.661	32.925	657.163
%RSD		86.603	86.603	39.606	8.449	11.914	23.828	7.123	6.797	0.187

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:13:35	369452.280	39.063	101.563	620.326	539.073	1343.813	281271.680	729.706
2	19:14:43	368716.440	25.000	62.500	625.014	492.196	1218.802	288131.370	698.455
3	19:15:52	374033.260	25.000	54.688	551.573	526.572	1267.244	287989.490	653.140
x		370733.990	29.688	72.917	598.971	519.280	1276.620	285797.510	693.767
σ		2880.839	8.119	25.114	41.115	24.274	63.031	3920.129	38.498
%RSD		0.777	27.348	34.442	6.864	4.675	4.937	1.372	5.549

C2362-13 MJDX48 06/05/2011 07:20:21 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:21:30	31240.371	5.729	128.126	1042.226	1889144.200	4952352.800	674389.370	806575.870	1443.823
2	19:22:38	31935.656	7.813	140.626	1165.673	1895584.200	4996592.400	683781.540	796282.780	1417.258
3	19:23:46	31954.448	4.167	137.501	1145.358	1891934.700	4942741.400	679590.150	806037.340	1354.752
x		31710.159	5.903	135.417	1117.752	1892221.000	4963895.500	679253.690	802965.330	1405.278
σ		406.956	1.829	6.505	66.192	3229.547	28721.206	4705.119	5793.517	45.728
%RSD		1.283	30.987	4.804	5.922	0.171	0.579	0.693	0.722	3.254

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:21:30	944453.580	998.472	28442.348	653497.200	654380.010	28226.295	453528.790	80081.643	26.563
2	19:22:38	958108.440	1032.850	28497.145	670911.580	651447.310	27872.477	461675.810	81443.999	20.313
3	19:23:46	969165.030	920.342	28606.738	685223.710	647701.370	27905.353	457704.150	83408.410	34.375
x		957242.350	983.888	28515.410	669877.490	651176.230	28001.375	457636.250	81644.684	27.083
σ		12378.469	57.654	83.703	15888.516	3347.564	195.479	4073.932	1672.439	7.046
%RSD		1.293	5.860	0.294	2.372	0.514	0.698	0.890	2.048	26.015

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:21:30	100549.490	895.341	34565.203	2765.893	639.077	38924.833	1032.850	18.750	39.063
2	19:22:38	107049.590	860.963	36050.117	2819.028	607.825	38653.786	1229.740	25.000	43.750
3	19:23:46	108880.540	884.402	36870.958	2687.753	559.386	39269.524	1037.538	25.000	40.625
x		105493.210	880.235	35828.759	2757.558	602.096	38949.381	1100.043	22.917	41.146
σ		4378.165	17.563	1168.707	66.033	40.153	308.602	112.346	3.608	2.387
%RSD		4.150	1.995	3.262	2.395	6.669	0.792	10.213	15.746	5.801

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:21:30	293.753	126.563	3500.429	1037.017	257.815	257.815	126.563	10.938	6.771
2	19:22:38	300.003	164.063	3581.699	1056.289	276.565	276.565	124.480	10.938	6.250
3	19:23:46	290.628	154.688	3414.471	1081.291	295.316	295.316	123.438	14.063	5.208
x		294.795	148.438	3498.866	1058.199	276.565	276.565	124.827	11.979	6.076
σ		4.774	19.516	83.625	22.199	18.750	18.750	1.591	1.804	0.796
%RSD		1.619	13.147	2.390	2.098	6.780	6.780	1.275	15.061	13.093

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:21:30	79.688	142.188	165.626	101.563	221.877	0.000	173604.730	93.750	21.875
2	19:22:38	101.563	104.688	153.126	96.875	251.565	1.563	175923.460	100.000	31.250
3	19:23:46	107.813	128.126	131.251	71.875	234.377	0.000	178400.780	78.125	31.250
x		96.354	125.001	150.001	90.104	235.939	0.521	175976.320	90.625	28.125
σ		14.768	18.944	17.399	15.960	14.906	0.902	2398.460	11.267	5.413
%RSD		15.327	15.156	11.600	17.713	6.318	173.205	1.363	12.433	19.245

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:21:30	0.000	0.000	40.625	32.813	68.750	90.625	2292.371	3991.183	365517.030
2	19:22:38	6.250	6.250	35.938	18.750	71.875	89.063	2215.797	4041.197	359717.900
3	19:23:46	1.563	1.563	20.313	28.125	48.438	92.188	2282.995	3947.420	365778.280
x		2.604	2.604	32.292	26.563	63.021	90.625	2263.721	3993.266	363671.070
σ		3.253	3.253	10.636	7.160	12.726	1.563	41.768	46.923	3426.038
%RSD		124.900	124.900	32.936	26.956	20.193	1.724	1.845	1.175	0.942

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:21:30	376389.250	15.625	50.000	114.063	107.813	260.940	288225.420	6520.238
2	19:22:38	380765.460	10.938	48.438	114.063	109.375	268.753	294954.450	6531.180
3	19:23:46	381861.320	18.750	26.563	100.000	112.500	250.002	297063.090	6618.720
x		379672.010	15.104	41.667	109.375	109.896	259.898	293414.320	6556.713
σ		2895.273	3.932	13.104	8.119	2.387	9.418	4615.745	53.978
%RSD		0.763	26.034	31.449	7.423	2.172	3.624	1.573	0.823

C2362-14 MJDX49 06/05/2011 07:28:17 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:29:25	32454.010	4.167	132.813	793.772	1898119.300	5028347.100	691874.000	821766.920	1251.617
2	19:30:33	32201.878	3.125	117.188	739.082	1912614.200	5126204.000	696936.360	805789.550	1325.061
3	19:31:41	32125.143	3.646	115.625	881.277	1911807.600	5104258.500	698182.240	831257.110	1293.809
x		32260.343	3.646	121.876	804.710	1907513.700	5086269.900	695664.200	819604.530	1290.163
σ		172.053	0.521	9.504	71.726	8145.777	51348.676	3340.995	12870.745	36.858
%RSD		0.533	14.286	7.798	8.913	0.427	1.010	0.480	1.570	2.857

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:29:25	953295.680	981.284	28813.403	692014.590	659692.740	27939.795	459786.630	82889.779	26.563
2	19:30:33	962710.730	964.095	28670.929	705848.620	661580.220	28763.302	461333.770	82082.010	29.688
3	19:31:41	967758.700	946.906	28395.380	723565.290	671561.380	28778.959	463536.180	83464.989	23.438
x		961255.040	964.095	28626.571	707142.830	664278.110	28494.019	461552.190	82812.260	26.563
σ		7340.572	17.189	212.513	15815.119	6377.706	480.035	1884.292	694.741	3.125
%RSD		0.764	1.783	0.742	2.236	0.960	1.685	0.408	0.839	11.765

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:29:25	104280.790	893.778	35791.655	2717.446	665.641	39680.031	1034.412	23.438	53.125
2	19:30:33	112659.670	896.903	38445.412	2804.963	751.582	39020.406	1079.728	25.000	28.125
3	19:31:41	114831.550	975.033	39987.136	2823.717	732.831	39846.118	1064.102	18.750	70.313
x		110590.670	921.905	38074.734	2782.042	716.685	39515.518	1059.414	22.396	50.521
σ		5571.375	46.037	2122.161	56.722	45.189	436.748	23.019	3.253	21.214
%RSD		5.038	4.994	5.574	2.039	6.305	1.105	2.173	14.523	41.991

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:29:25	2053.273	954.719	5647.991	1094.834	235.939	235.939	133.855	9.896	6.771
2	19:30:33	1947.008	932.843	5635.486	1116.189	271.878	271.878	140.105	10.417	8.854
3	19:31:41	1979.825	879.715	5699.574	1138.587	276.565	276.565	118.230	11.979	7.292
x		1993.368	922.426	5661.017	1116.537	261.461	261.461	130.730	10.764	7.639
σ		54.412	38.572	33.972	21.879	22.226	22.226	11.267	1.084	1.084
%RSD		2.730	4.182	0.600	1.960	8.501	8.501	8.619	10.073	14.193

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:29:25	106.250	140.626	140.626	84.375	207.814	0.000	179672.820	76.563	40.625
2	19:30:33	109.375	129.688	159.376	101.563	257.815	1.563	178872.240	92.188	37.500
3	19:31:41	92.188	143.751	168.751	115.625	250.002	0.000	178682.390	84.375	25.000
x		102.605	138.022	156.251	100.521	238.544	0.521	179075.820	84.375	34.375
σ		9.155	7.384	14.321	15.651	26.898	0.902	525.662	7.813	8.268
%RSD		8.923	5.350	9.165	15.570	11.276	173.205	0.294	9.259	24.052

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:29:25	4.688	4.688	20.313	54.688	51.563	81.250	2287.683	3723.923	371454.770
2	19:30:33	4.688	4.688	32.813	50.000	65.625	78.125	2259.554	4044.322	369639.850
3	19:31:41	4.688	4.688	28.125	43.750	57.813	85.938	2386.137	3883.340	373063.070
x		4.688	4.688	27.083	49.479	58.333	81.771	2311.124	3883.862	371385.900
σ		0.000	0.000	6.315	5.487	7.046	3.932	66.468	160.200	1712.648
%RSD		0.000	0.000	23.316	11.090	12.078	4.809	2.876	4.125	0.461

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:29:25	390337.410	12.500	43.750	275.003	221.877	504.696	294868.320	7118.961
2	19:30:33	390000.260	15.625	34.375	218.752	223.439	535.948	300421.300	6987.646
3	19:31:41	390404.840	10.938	23.438	259.377	214.064	570.324	301902.030	6990.773
x		390247.500	13.021	33.854	251.044	219.793	536.989	299063.880	7032.460
σ		216.756	2.387	10.166	29.037	5.023	32.826	3708.124	74.928
%RSD		0.056	18.330	30.030	11.566	2.285	6.113	1.240	1.065

C2362-15 MJDX50 06/05/2011 07:36:12 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:37:20	31360.948	4.688	185.939	1048.476	3633477.600	3095636.100	426414.780	503189.880	2572.107
2	19:38:28	30219.429	4.688	196.876	926.593	3664181.900	3137505.300	421039.030	499971.990	2439.271
3	19:39:36	30894.307	4.688	176.564	995.347	3488434.400	3021674.900	416155.480	487257.870	2597.111
x		30824.895	4.688	186.460	990.139	3595364.600	3084938.800	421203.100	496806.580	2536.163
σ		573.916	0.000	10.166	61.108	93868.185	58651.503	5131.614	8424.494	84.837
%RSD		1.862	0.000	5.452	6.172	2.611	1.901	1.218	1.696	3.345

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:37:20	2265320.700	907.841	31404.794	702534.870	833070.820	28780.524	471522.520	80141.351	48.438
2	19:38:28	2254082.700	951.594	31417.321	703729.050	833097.300	29110.880	474390.150	79525.423	53.125
3	19:39:36	2168701.800	903.154	31041.501	680525.690	815494.220	28165.237	466100.430	81198.860	39.063
x		2229368.400	920.863	31287.872	695596.540	827220.780	28685.547	470671.040	80288.545	46.875
σ		52838.427	26.717	213.455	13065.385	10155.503	479.922	4209.945	846.373	7.160
%RSD		2.370	2.901	0.682	1.878	1.228	1.673	0.894	1.054	15.275

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:37:20	107554.930	895.341	36731.537	6968.887	7625.472	111362.060	2895.606	214.064	703.142
2	19:38:28	113015.590	887.528	39256.990	6812.562	7697.386	112848.650	2708.069	221.877	609.388
3	19:39:36	114941.800	917.217	38805.760	6706.261	7451.943	109815.780	2704.944	204.689	626.576
x		111837.440	900.028	38264.762	6829.237	7591.600	111342.160	2769.540	213.543	646.369
σ		3831.777	15.390	1346.844	132.105	126.178	1516.535	109.188	8.606	49.913
%RSD		3.426	1.710	3.520	1.934	1.662	1.362	3.942	4.030	7.722

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:37:20	7947.523	3802.068	203360.650	900.549	282.815	282.815	136.980	13.021	10.417
2	19:38:28	8000.677	3788.002	202769.530	923.467	251.565	251.565	129.167	12.500	8.333
3	19:39:36	7910.002	3728.612	199716.020	947.948	285.940	285.940	102.605	7.813	8.854
x		7952.734	3772.894	201948.730	923.988	273.440	273.440	122.917	11.111	9.201
σ		45.562	38.989	1956.043	23.704	19.009	19.009	18.020	2.869	1.084
%RSD		0.573	1.033	0.969	2.565	6.952	6.952	14.660	25.817	11.783

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:37:20	87.500	112.500	117.188	79.688	167.188	0.000	174390.780	78.125	29.688
2	19:38:28	76.563	109.375	125.001	71.875	207.814	0.000	171553.610	68.750	28.125
3	19:39:36	78.125	104.688	115.625	67.188	184.376	0.000	172072.290	65.625	29.688
x		80.729	108.855	119.271	72.917	186.460	0.000	172672.230	70.834	29.167
σ		5.916	3.932	5.023	6.315	20.393	0.000	1510.736	6.505	0.902
%RSD		7.328	3.612	4.211	8.660	10.937	0.000	0.875	9.184	3.093

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:37:20	0.000	0.000	31.250	15.625	42.188	31.250	3972.427	7040.797	367980.640
2	19:38:28	1.563	1.563	15.625	12.500	51.563	26.563	4099.026	6942.311	369955.680
3	19:39:36	0.000	0.000	18.750	20.313	68.750	34.375	4011.501	6842.263	360884.270
x		0.521	0.521	21.875	16.146	54.167	30.729	4027.651	6941.791	366273.530
σ		0.902	0.902	8.268	3.932	13.471	3.932	64.826	99.268	4770.567
%RSD		173.205	173.205	37.796	24.354	24.870	12.796	1.610	1.430	1.302

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:37:20	389159.030	20.313	28.125	1056.289	1070.353	2495.530	303121.190	1334.437
2	19:38:28	385932.620	17.188	17.188	1100.042	1029.725	2465.838	298326.520	1268.806
3	19:39:36	383209.200	15.625	26.563	1140.670	989.097	2439.271	297670.860	1182.862
x		386100.280	17.708	23.958	1099.001	1029.725	2466.880	299706.190	1262.035
σ		2978.454	2.387	5.916	42.200	40.628	28.144	2975.590	76.014
%RSD		0.771	13.478	24.691	3.840	3.946	1.141	0.993	6.023

C2362-07 MJDX44 06/05/2011 07:44:07 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:45:15	29128.103	1.042	78.125	495.321	7074716.300	1354000.000	179812.060	215995.640	1109.418
2	19:46:24	27102.247	3.125	78.125	482.821	6754721.800	1268514.900	167197.740	204546.150	1029.725
3	19:47:32	23960.702	2.604	82.813	501.571	6128594.300	1151229.800	154659.240	184105.280	896.903
x		26730.351	2.257	79.688	493.238	6652677.500	1257914.900	167223.010	201549.020	1012.015
σ		2603.697	1.084	2.706	9.547	481244.740	101799.840	12576.428	16155.055	107.359
%RSD		9.741	48.038	3.396	1.936	7.234	8.093	7.521	8.015	10.608

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:45:15	1824203.700	918.780	27091.288	540611.030	589498.160	21840.119	356068.790	73251.384	29.688
2	19:46:24	1707027.600	895.341	25266.073	532505.590	552402.630	20915.300	342808.090	71322.913	31.250
3	19:47:32	1528851.300	760.958	20029.657	517179.540	477977.110	17770.421	293120.400	61356.479	34.375
x		1686694.200	858.359	24129.006	530098.720	539959.300	20175.280	330665.760	68643.592	31.771
σ		148722.410	85.162	3665.563	11899.722	56792.285	2133.386	33184.368	6384.063	2.387
%RSD		8.817	9.922	15.192	2.245	10.518	10.574	10.036	9.300	7.512

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:45:15	97860.603	756.270	34154.843	3486.363	14590.259	52032.085	1282.870	7.813	28.125
2	19:46:24	99034.274	726.581	34270.745	3520.746	13797.285	50040.614	1196.925	21.875	34.375
3	19:47:32	90757.693	653.140	32353.783	2833.093	12294.351	43748.134	1117.231	6.250	39.063
x		95884.190	711.997	33593.124	3280.068	13560.631	48606.944	1199.009	11.979	33.854
σ		4478.293	53.089	1074.864	387.473	1166.106	4324.062	82.839	8.606	5.487
%RSD		4.671	7.456	3.200	11.813	8.599	8.896	6.909	71.838	16.209

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:45:15	1226.615	573.449	15417.690	772.417	250.002	250.002	123.959	8.854	7.292
2	19:46:24	1176.611	579.699	14660.644	815.127	246.877	246.877	116.146	6.250	11.979
3	19:47:32	1098.480	473.445	13057.527	726.581	228.127	228.127	84.896	8.333	5.208
x		1167.235	542.198	14378.620	771.375	241.669	241.669	108.334	7.813	8.160
σ		64.580	59.623	1205.091	44.282	11.831	11.831	20.670	1.378	3.468
%RSD		5.533	10.997	8.381	5.741	4.896	4.896	19.080	17.638	42.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:45:15	146.876	295.316	359.380	193.751	481.258	0.000	153651.580	65.625	6.250
2	19:46:24	154.688	300.003	289.065	189.064	451.570	1.563	141891.810	62.500	9.375
3	19:47:32	139.063	225.002	287.503	129.688	373.442	1.563	113618.780	46.875	9.375
x		146.876	273.440	311.983	170.834	435.423	1.042	136387.390	58.333	8.333
σ		7.813	42.014	41.054	35.711	55.692	0.902	20576.202	10.046	1.804
%RSD		5.319	15.365	13.159	20.904	12.790	86.603	15.087	17.221	21.651

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:45:15	1.563	1.563	7.813	4.688	53.125	18.750	43.750	70.313	319733.750
2	19:46:24	0.000	0.000	12.500	1.563	43.750	10.938	46.875	76.563	303049.380
3	19:47:32	0.000	0.000	7.813	7.813	39.063	4.688	37.500	60.938	268009.400
x		0.521	0.521	9.375	4.688	45.313	11.458	42.708	69.271	296930.840
σ		0.902	0.902	2.706	3.125	7.160	7.046	4.774	7.864	26399.421
%RSD		173.205	173.205	28.868	66.667	15.802	61.490	11.177	11.353	8.891

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:45:15	338707.310	10.938	28.125	132.813	98.438	242.190	254735.460	314.066
2	19:46:24	318928.550	10.938	28.125	129.688	82.813	251.565	238993.480	256.252
3	19:47:32	277196.290	4.688	21.875	78.125	71.875	173.439	191211.790	179.689
x		311610.720	8.854	26.042	113.542	84.375	222.398	228313.580	250.002
σ		31401.661	3.608	3.608	30.712	13.350	42.658	33081.106	67.406
%RSD		10.077	40.754	13.856	27.049	15.822	19.181	14.489	26.962

C2362-08 MJDX44D 06/05/2011 07:52:03 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:53:11	28802.444	2.604	67.188	492.196	7326235.900	1383602.900	187760.210	225876.390	2004.828
2	19:54:19	30081.638	2.083	70.313	496.884	7449264.700	1400067.200	185927.090	227170.100	1900.126
3	19:55:27	30280.495	7.292	81.250	429.694	7297496.400	1386600.700	185406.320	224041.580	1834.493
x		29721.526	3.993	72.917	472.925	7357665.700	1390090.300	186364.540	225696.020	1913.149
σ		802.135	2.869	7.384	37.512	80618.104	8769.331	1236.411	1572.037	85.911
%RSD		2.699	71.838	10.127	7.932	1.096	0.631	0.663	0.697	4.491

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:53:11	1914272.900	1046.913	28968.404	628114.570	622030.270	22959.059	378065.470	73813.642	45.313
2	19:54:19	1885290.600	1114.106	29928.192	642466.500	632763.110	23084.261	379388.930	78227.663	56.250
3	19:55:27	1849319.300	1060.977	29867.126	649355.220	628744.510	23104.606	376774.200	79058.782	42.188
x		1882960.900	1073.999	29587.907	639978.760	627845.970	23049.309	378076.200	77033.362	47.917
σ		32539.422	35.438	537.374	10836.648	5422.546	78.818	1307.396	2819.156	7.384
%RSD		1.728	3.300	1.816	1.693	0.864	0.342	0.346	3.660	15.410

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:53:11	108677.440	789.084	37275.129	3516.058	17082.082	55709.977	1371.941	10.938	50.000
2	19:54:19	116304.330	882.840	39589.155	3612.957	16778.597	56390.765	1420.383	18.750	39.063
3	19:55:27	118935.230	910.967	40208.067	3605.142	17210.361	56793.920	1378.192	10.938	51.563
x		114639.000	860.964	39024.117	3578.052	17023.680	56298.221	1390.172	13.542	46.875
σ		5327.812	63.818	1545.957	53.831	221.727	547.865	26.350	4.511	6.811
%RSD		4.647	7.412	3.962	1.504	1.302	0.973	1.895	33.309	14.530

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:53:11	1321.936	582.824	16518.920	871.381	309.378	309.378	108.855	9.375	8.333
2	19:54:19	1217.239	629.701	16733.232	910.446	348.442	348.442	108.855	7.813	8.854
3	19:55:27	1320.374	600.013	16506.406	905.758	267.190	267.190	117.188	8.854	11.979
x		1286.516	604.179	16586.186	895.861	308.337	308.337	111.632	8.681	9.722
σ		60.001	23.715	127.499	21.330	40.636	40.636	4.811	0.796	1.972
%RSD		4.664	3.925	0.769	2.381	13.179	13.179	4.310	9.165	20.282

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:53:11	215.627	323.441	434.382	200.001	598.450	0.000	155605.370	70.313	12.500
2	19:54:19	196.876	348.442	364.067	221.877	575.012	0.000	163415.280	76.563	4.688
3	19:55:27	193.751	314.066	323.441	243.752	510.947	0.000	164869.350	71.875	18.750
x		202.085	328.650	373.963	221.877	561.469	0.000	161296.660	72.917	11.979
σ		11.831	17.770	56.128	21.875	45.296	0.000	4982.142	3.253	7.046
%RSD		5.855	5.407	15.009	9.859	8.067	0.000	3.089	4.461	58.816

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:53:11	1.563	1.563	15.625	10.938	46.875	15.625	60.938	107.813	325694.280
2	19:54:19	1.563	1.563	15.625	15.625	45.313	15.625	67.188	104.688	341643.180
3	19:55:27	1.563	1.563	14.063	7.813	50.000	15.625	54.688	95.313	351328.570
x		1.563	1.563	15.104	11.458	47.396	15.625	60.938	102.605	339555.340
σ		0.000	0.000	0.902	3.932	2.387	0.000	6.250	6.505	12944.054
%RSD		0.000	0.000	5.973	34.317	5.036	0.000	10.256	6.340	3.812

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:53:11	341555.180	10.938	25.000	121.876	131.251	320.316	257283.640	350.004
2	19:54:19	362368.000	6.250	29.688	129.688	142.188	310.941	279963.540	317.191
3	19:55:27	369202.180	9.375	34.375	121.876	115.625	315.628	280674.160	365.630
x		357708.450	8.854	29.688	124.480	129.688	315.628	272640.450	344.275
σ		14400.444	2.387	4.688	4.511	13.350	4.688	13304.127	24.722
%RSD		4.026	26.956	15.789	3.624	10.294	1.485	4.880	7.181

C2362-09 MJDX44S 06/05/2011 07:59:59 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:01:07	29732.471	3127.426	82.813	751.582	7362397.000	1383007.500	187100.070	226789.110	730719.100
2	20:02:15	29616.606	3179.000	93.750	732.831	7416177.600	1392066.800	189954.550	226033.530	726708.000
3	20:03:24	30028.402	3171.185	109.375	759.395	7465600.100	1387525.900	187544.910	222910.020	733371.860
x		29792.493	3159.204	95.313	747.936	7414724.900	1387533.400	188199.840	225244.220	730266.320
σ		212.358	27.796	13.350	13.652	51616.883	4529.667	1535.817	2056.476	3354.923
%RSD		0.713	0.880	14.007	1.825	0.696	0.326	0.816	0.913	0.459

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:01:07	1905292.400	1140.670	30808.184	738004.660	635112.430	22877.679	375702.780	76562.427	43.750
2	20:02:15	1890418.100	1154.734	30521.633	752859.870	632803.930	23032.615	377736.620	77071.403	46.875
3	20:03:24	1909594.500	1101.605	30462.131	761081.940	626623.040	22923.064	371794.700	78070.557	40.625
x		1901768.300	1132.337	30597.316	750648.820	631513.130	22944.453	375078.030	77234.796	43.750
σ		10062.209	27.528	185.025	11696.443	4389.429	79.652	3019.827	767.226	3.125
%RSD		0.529	2.431	0.605	1.558	0.695	0.347	0.805	0.993	7.143

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:01:07	385244.100	105539.980	55427.632	47927.136	419696.130	777498.710	18505.728	327797.830	67768.171
2	20:02:15	389568.400	105481.740	57349.257	48833.322	418928.780	771409.690	18127.118	321807.670	67314.471
3	20:03:24	393534.280	105879.980	58864.778	47815.826	411064.590	760314.530	18016.041	321577.580	68454.242
x		389448.920	105633.900	57213.889	48192.095	416563.170	769740.980	18216.296	323727.690	67845.628
σ		4146.381	215.093	1722.567	558.101	4777.342	8712.778	256.735	3526.718	573.820
%RSD		1.065	0.204	3.011	1.158	1.147	1.132	1.409	1.089	0.846

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:01:07	85296.069	39988.703	78263.797	4512.692	375.005	375.005	285.420	88.542	9.375
2	20:02:15	84904.686	38912.299	77878.890	4589.279	354.692	354.692	339.067	88.021	9.375
3	20:03:24	83422.555	39075.243	77288.195	4579.380	384.380	384.380	307.816	104.167	9.896
x		84541.103	39325.415	77810.294	4560.450	371.359	371.359	310.767	93.577	9.549
σ		988.260	580.173	491.405	41.655	15.176	15.176	26.945	9.175	0.301
%RSD		1.169	1.475	0.632	0.913	4.087	4.087	8.670	9.805	3.149

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:01:07	185.939	367.192	417.194	235.939	501.571	1.563	162358.020	690.642	26710.886
2	20:02:15	195.314	325.004	368.755	229.689	564.074	0.000	163483.240	664.078	26206.828
3	20:03:24	225.002	295.316	342.192	212.502	610.951	0.000	165686.530	664.078	26804.811
x		202.085	329.170	376.047	226.043	558.865	0.521	163842.600	672.933	26574.175
σ		20.393	36.119	38.029	12.137	54.875	0.902	1693.105	15.337	321.579
%RSD		10.091	10.973	10.113	5.369	9.819	173.205	1.033	2.279	1.210

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:01:07	507.822	507.822	26801.680	6915.736	64.063	46160.395	150092.160	257455.450	344501.220
2	20:02:15	489.071	489.071	26313.274	6984.520	71.875	45912.723	151012.720	255874.290	342843.300
3	20:03:24	426.569	426.569	26396.239	6756.285	53.125	46508.396	145848.540	250944.240	340260.770
x		474.487	474.487	26503.731	6885.513	63.021	46193.838	148984.480	254757.990	342535.100
σ		42.544	42.544	261.345	117.080	9.418	299.241	2754.525	3396.108	2136.963
%RSD		8.966	8.966	0.986	1.700	14.945	0.648	1.849	1.333	0.624

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:01:07	363523.360	33882.320	84393.860	11942.490	10833.794	26034.639	277669.410	382.818
2	20:02:15	361634.120	34289.540	85140.458	11515.577	10533.570	25909.412	279198.790	368.755
3	20:03:24	361494.720	33683.413	84176.961	11959.692	10694.627	25652.699	280506.860	321.879
x		362217.400	33951.758	84570.426	11805.919	10687.330	25865.583	279125.020	357.817
σ		1133.140	308.972	505.434	251.591	150.245	194.706	1420.160	31.908
%RSD		0.313	0.910	0.598	2.131	1.406	0.753	0.509	8.917

C2362-07LX5 MJDX44L 06/05/2011 08:07:56 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:09:04	31357.816	3.646	59.375	314.066	1571838.700	295404.220	39440.306	46894.028	1342.251
2	20:10:13	31349.986	4.167	54.688	329.691	1560458.000	293023.120	39745.839	46419.043	1343.813
3	20:11:21	31553.559	5.208	64.063	345.317	1605009.800	298361.610	40675.011	48087.047	1486.015
x		31420.453	4.340	59.375	329.691	1579102.200	295596.320	39953.719	47133.373	1390.693
σ		115.339	0.796	4.688	15.625	23147.020	2674.426	643.067	859.374	82.555
%RSD		0.367	18.330	7.895	4.739	1.466	0.905	1.610	1.823	5.936

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:09:04	414899.660	1159.422	23093.651	215738.680	178443.490	4902.404	80348.761	80584.458	9.375
2	20:10:13	406405.980	1135.983	23362.838	215633.990	175752.630	4866.454	80425.755	82493.747	4.688
3	20:11:21	410966.510	1204.738	23642.986	220177.510	179546.240	5110.289	81689.143	83230.816	7.813
x		410757.380	1166.714	23366.492	217183.390	177914.120	4959.715	80821.220	82103.007	7.292
σ		4250.700	34.953	274.686	2593.510	1951.423	131.634	752.629	1365.764	2.387
%RSD		1.035	2.996	1.176	1.194	1.097	2.654	0.931	1.663	32.733

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:09:04	39905.658	515.634	13390.648	3031.572	3555.130	41585.439	540.635	143.751	35.938
2	20:10:13	39277.358	543.760	13382.828	3069.080	3459.794	40839.542	510.947	176.564	53.125
3	20:11:21	38135.207	528.135	13099.753	2953.430	3580.136	41602.677	520.322	184.376	57.813
x		39106.075	529.176	13291.076	3018.027	3531.687	41342.553	523.968	168.230	48.958
σ		897.568	14.092	165.737	59.002	63.504	435.705	15.176	21.557	11.517
%RSD		2.295	2.663	1.247	1.955	1.798	1.054	2.896	12.814	23.525

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:09:04	359.380	190.626	3644.215	346.879	98.438	98.438	118.230	10.938	6.771
2	20:10:13	314.066	185.939	3481.674	326.045	110.938	110.938	129.688	7.292	8.333
3	20:11:21	362.505	142.188	3483.237	322.399	121.876	121.876	126.563	9.896	9.896
x		345.317	172.918	3536.375	331.775	110.417	110.417	124.827	9.375	8.333
σ		27.109	26.716	93.395	13.207	11.728	11.728	5.923	1.878	1.563
%RSD		7.850	15.450	2.641	3.981	10.621	10.621	4.745	20.031	18.750

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:09:04	50.000	85.938	82.813	45.313	125.001	0.000	174109.250	71.875	17.188
2	20:10:13	39.063	75.000	87.500	45.313	106.250	0.000	180607.940	92.188	17.188
3	20:11:21	37.500	68.750	73.438	42.188	126.563	3.125	180468.700	71.875	32.813
x		42.188	76.563	81.250	44.271	119.271	1.042	178395.300	78.646	22.396
σ		6.811	8.700	7.160	1.804	11.303	1.804	3712.475	11.727	9.021
%RSD		16.144	11.363	8.813	4.075	9.477	173.205	2.081	14.912	40.280

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:09:04	0.000	0.000	32.813	7.813	25.000	42.188	93.750	173.439	358732.640
2	20:10:13	3.125	3.125	26.563	3.125	23.438	53.125	76.563	157.813	370167.310
3	20:11:21	3.125	3.125	26.563	4.688	43.750	35.938	109.375	176.564	371833.180
x		2.083	2.083	28.646	5.208	30.729	43.750	93.229	169.272	366911.040
σ		1.804	1.804	3.608	2.387	11.303	8.700	16.413	10.046	7131.511
%RSD		86.603	86.603	12.597	45.826	36.784	19.885	17.604	5.935	1.944

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:09:04	378838.670	167.188	409.381	45.313	45.313	107.813	291705.950	79.688
2	20:10:13	403198.230	109.375	315.628	42.188	54.688	90.625	304094.680	78.125
3	20:11:21	384935.960	103.125	290.628	40.625	32.813	115.625	301841.390	89.063
x		388990.950	126.563	338.546	42.708	44.271	104.688	299214.000	82.292
σ		12675.932	35.321	62.606	2.387	10.975	12.790	6599.056	5.916
%RSD		3.259	27.908	18.493	5.589	24.790	12.217	2.205	7.189

CCV 06/05/2011 08:15:52 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:17:00	31570.784	34151.189	8102.297	415.631	24911460.000	17852609.000	2453680.800	2901631.300	4035446.700
2	20:18:08	32303.670	34731.752	8272.707	410.943	25454805.000	18328064.000	2473686.100	2902683.900	4115840.000
3	20:19:16	32284.877	34503.074	8422.795	460.945	25130614.000	18199935.000	2447968.600	2873517.800	4061263.100
x		32053.110	34462.005	8265.933	429.173	25165626.000	18126869.000	2458445.200	2892611.000	4070849.900
σ		417.813	292.453	160.356	27.615	273359.370	246004.360	13504.482	16543.579	41045.071
%RSD		1.304	0.849	1.940	6.434	1.086	1.357	0.549	0.572	1.008

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:17:00	90554.111	164678.100	20790.117	93917.078	8751122.400	46278.623	695732.550	82845.775	21078.038
2	20:18:08	91483.877	167561.330	20785.423	93611.960	8819668.200	46988.942	700835.630	81638.857	20801.070
3	20:19:16	91338.109	164233.960	20813.589	89803.252	8863869.600	47442.757	685898.720	81668.714	21026.400
x		91125.366	165491.130	20796.376	92444.097	8811553.400	46903.441	694155.640	82051.116	20968.503
σ		500.061	1806.548	15.090	2292.121	56809.955	586.758	7592.287	688.357	147.282
%RSD		0.549	1.092	0.073	2.479	0.645	1.251	1.094	0.839	0.702

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:17:00	314848.920	297595.890	40549.656	1194056.400	893382.980	19850725.000	464255.680	355706.810	74697.908
2	20:18:08	313836.370	302091.910	40491.679	1203988.800	904169.970	20304379.000	475358.910	369703.980	76831.051
3	20:19:16	307701.950	295204.850	40018.473	1177243.300	910357.480	20251441.000	472052.230	360887.470	74878.537
x		312129.080	298297.550	40353.269	1191762.800	902636.810	20135515.000	470555.610	362099.420	75469.166
σ		3867.290	3496.735	291.387	13519.467	8590.476	248051.400	5700.909	7076.846	1182.881
%RSD		1.239	1.172	0.722	1.134	0.952	1.232	1.212	1.954	1.567

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:17:00	365395.220	169980.280	134839.620	47155.303	3240.993	3240.993	10662.832	4463.718	15.625
2	20:18:08	366550.830	172186.150	133866.470	47924.000	3416.033	3416.033	10639.377	4565.834	12.500
3	20:19:16	370128.830	172741.230	134121.980	47226.893	3403.530	3403.530	10626.868	4383.485	11.458
x		367358.290	171635.890	134276.020	47435.399	3353.519	3353.519	10643.026	4471.012	13.194
σ		2467.947	1460.411	504.533	424.653	97.651	97.651	18.258	91.393	2.168
%RSD		0.672	0.851	0.376	0.895	2.912	2.912	0.172	2.044	16.434

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:17:00	57962.663	98725.901	107734.400	61480.448	165136.470	0.000	176704.890	6470.215	306319.590
2	20:18:08	58139.944	100011.360	111132.150	63391.900	162854.240	0.000	178168.210	6617.157	308018.020
3	20:19:16	57945.406	100044.400	111621.880	63313.428	162158.900	0.000	174150.370	6585.893	303092.460
x		58016.004	99593.887	110162.810	62728.592	163383.200	0.000	176341.160	6557.755	305810.020
σ		107.681	751.879	2117.275	1081.636	1557.667	0.000	2033.467	77.407	2502.005
%RSD		0.186	0.755	1.922	1.724	0.953	0.000	1.153	1.180	0.818

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:17:00	4969.614	4969.614	307298.080	76911.168	197404.540	267585.950	212324.030	370566.520	377454.310
2	20:18:08	5119.667	5119.667	305853.510	76992.856	195768.190	268151.090	218095.940	370281.140	370665.930
3	20:19:16	5038.388	5038.388	304771.370	75872.825	192185.660	265897.040	211301.220	367167.940	365985.030
x		5042.557	5042.557	305974.320	76592.283	195119.460	267211.360	213907.060	369338.530	371368.420
σ		75.113	75.113	1267.679	624.406	2669.234	1172.784	3663.548	1885.198	5766.817
%RSD		1.490	1.490	0.414	0.815	1.368	0.439	1.713	0.510	1.553

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:17:00	395832.420	396105.450	984615.030	316886.990	307033.100	726418.840	297171.570	1657289.000
2	20:18:08	394234.440	396489.320	995770.120	321558.400	305566.210	728919.640	292477.740	1661630.700
3	20:19:16	384714.480	381718.520	972651.350	307564.660	294825.260	707696.120	286062.280	1620970.500
x		391593.780	391437.770	984345.500	315336.690	302474.850	721011.530	291903.860	1646630.000
σ		6010.984	8419.304	11561.741	7124.520	6665.222	11599.084	5576.833	22327.622
%RSD		1.535	2.151	1.175	2.259	2.204	1.609	1.911	1.356

CCB 06/05/2011 08:23:46 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:24:54	31808.811	10.938	151.563	306.253	20580.439	3386.339	492.196	560.949	1126.607
2	20:26:02	31483.091	5.208	92.188	251.565	20308.175	3491.052	453.132	535.948	1090.667
3	20:27:10	32148.633	10.417	87.500	293.753	20156.397	3426.974	479.696	551.573	1146.921
x		31813.512	8.854	110.417	283.857	20348.337	3434.788	475.008	549.490	1121.398
σ		332.796	3.168	35.711	28.656	214.855	52.792	19.949	12.630	28.487
%RSD		1.046	35.781	32.342	10.095	1.056	1.537	4.200	2.298	2.540

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:24:54	2772.144	1109.418	19112.777	69157.618	55821.348	12.500	443.757	78686.422	7.813
2	20:26:02	2643.995	1137.545	18878.090	67462.039	55195.486	20.313	392.193	77291.337	1.563
3	20:27:10	2739.325	1114.106	18776.394	66799.562	55509.198	20.313	434.382	78741.411	4.688
x		2718.488	1120.356	18922.420	67806.406	55508.677	17.708	423.444	78239.723	4.688
σ		66.567	15.069	172.517	1216.161	312.931	4.511	27.467	821.787	3.125
%RSD		2.449	1.345	0.912	1.794	0.564	25.471	6.487	1.050	66.667

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:24:54	10478.842	368.755	3617.646	3233.178	239.065	36900.722	382.818	53.125	32.813
2	20:26:02	10180.188	328.129	3556.693	2851.847	254.690	36355.577	348.442	51.563	42.188
3	20:27:10	9879.978	350.004	3387.902	2976.873	207.814	36134.705	398.443	42.188	26.563
x		10179.669	348.963	3520.747	3020.633	233.856	36463.668	376.567	48.958	33.854
σ		299.432	20.333	119.015	194.395	23.868	394.282	25.580	5.916	7.864
%RSD		2.941	5.827	3.380	6.436	10.206	1.081	6.793	12.083	23.230

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:24:54	184.376	87.500	93.750	107.813	23.438	23.438	147.917	10.938	7.813
2	20:26:02	192.189	90.625	125.001	84.896	29.688	29.688	131.771	10.417	11.979
3	20:27:10	203.126	117.188	92.188	86.979	26.563	26.563	131.251	10.938	6.250
x		193.230	98.438	103.646	93.229	26.563	26.563	136.980	10.764	8.681
σ		9.418	16.313	18.510	12.673	3.125	3.125	9.476	0.301	2.962
%RSD		4.874	16.572	17.859	13.593	11.765	11.765	6.918	2.794	34.117

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:24:54	87.500	128.126	145.313	71.875	195.314	0.000	163860.970	96.875	67.188
2	20:26:02	65.625	109.375	121.876	43.750	118.750	0.000	161934.500	84.375	34.375
3	20:27:10	37.500	79.688	64.063	48.438	92.188	0.000	161925.020	82.813	57.813
x		63.542	105.730	110.417	54.688	135.417	0.000	162573.500	88.021	53.125
σ		25.065	24.424	41.820	15.068	53.545	0.000	1114.994	7.708	16.901
%RSD		39.447	23.100	37.874	27.553	39.541	0.000	0.686	8.757	31.814

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:24:54	1.563	1.563	57.813	6.250	256.252	373.442	21.875	42.188	332965.290
2	20:26:02	0.000	0.000	39.063	7.813	196.876	237.502	20.313	37.500	331794.780
3	20:27:10	1.563	1.563	45.313	9.375	154.688	187.501	31.250	45.313	329003.190
x		1.042	1.042	47.396	7.813	202.606	266.149	24.479	41.667	331254.420
σ		0.902	0.902	9.547	1.563	51.024	96.224	5.916	3.932	2035.572
%RSD		86.603	86.603	20.143	20.000	25.184	36.154	24.166	9.437	0.615

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:24:54	347753.620	98.438	240.627	65.625	54.688	107.813	268598.440	273.440
2	20:26:02	346117.730	85.938	193.751	56.250	56.250	106.250	260459.160	200.001
3	20:27:10	344144.340	89.063	185.939	37.500	32.813	96.875	257849.970	178.126
x		346005.230	91.146	206.772	53.125	47.917	103.646	262302.520	217.189
σ		1807.268	6.505	29.578	14.321	13.104	5.916	5606.325	49.928
%RSD		0.522	7.137	14.305	26.956	27.347	5.707	2.137	22.988

C2362-16 MJDX53 06/05/2011 08:31:39 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:32:47	31633.422	13.542	93.750	345.317	515185.980	15825.949	2279.869	2567.418	4288.144
2	20:33:55	31204.355	10.938	115.625	392.193	512899.630	14674.721	2004.828	2436.145	4350.662
3	20:35:03	31188.696	14.583	96.875	406.256	526718.750	12996.534	1645.407	2022.018	3705.168
x		31342.158	13.021	102.084	381.255	518268.120	14499.068	1976.702	2341.861	4114.658
σ		252.364	1.878	11.831	31.908	7407.207	1422.862	318.165	284.662	356.004
%RSD		0.805	14.422	11.590	8.369	1.429	9.813	16.096	12.155	8.652

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:32:47	5324.430	1012.536	20700.925	584860.120	67889.055	229.689	3908.347	79580.416	20.313
2	20:33:55	5075.902	1012.536	20884.004	604480.150	67772.880	242.190	3917.725	80388.044	29.688
3	20:35:03	5091.532	979.721	20786.987	633990.790	67303.481	209.377	3872.400	79470.431	9.375
x		5163.954	1001.598	20790.639	607777.020	67655.139	227.085	3899.491	79812.964	19.792
σ		139.195	18.946	91.594	24730.703	310.034	16.561	23.925	501.061	10.166
%RSD		2.696	1.892	0.441	4.069	0.458	7.293	0.614	0.628	51.366

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:32:47	77203.363	1181.299	26389.978	3961.487	3059.703	57474.760	850.025	142.188	57.813
2	20:33:55	85894.954	1359.440	29043.556	3886.466	2940.928	56820.588	829.712	135.938	48.438
3	20:35:03	91565.951	1235.991	31306.140	3955.235	2892.480	55493.512	748.457	98.438	43.750
x		84888.089	1258.910	28913.225	3934.396	2964.370	56596.287	809.398	125.521	50.000
σ		7234.039	91.255	2460.671	41.626	86.041	1009.490	53.745	23.662	7.160
%RSD		8.522	7.249	8.511	1.058	2.902	1.784	6.640	18.851	14.321

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:32:47	293.753	148.438	1887.625	609.388	195.314	195.314	139.584	14.583	11.979
2	20:33:55	295.316	96.875	1875.123	680.225	201.564	201.564	150.001	12.500	4.688
3	20:35:03	275.003	125.001	1864.184	676.579	201.564	201.564	110.938	8.854	8.333
x		288.024	123.438	1875.644	655.397	199.481	199.481	133.508	11.979	8.333
σ		11.304	25.817	11.729	39.887	3.608	3.608	20.228	2.900	3.646
%RSD		3.925	20.915	0.625	6.086	1.809	1.809	15.151	24.208	43.750

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:32:47	57.813	42.188	75.000	26.563	81.250	0.000	169899.650	70.313	112.500
2	20:33:55	29.688	39.063	54.688	28.125	85.938	0.000	170943.240	75.000	110.938
3	20:35:03	20.313	29.688	40.625	23.438	56.250	1.563	171186.750	81.250	107.813
x		35.938	36.979	56.771	26.042	74.479	0.521	170676.540	75.521	110.417
σ		19.516	6.505	17.282	2.387	15.960	0.902	683.741	5.487	2.387
%RSD		54.304	17.592	30.442	9.165	21.429	173.205	0.401	7.266	2.162

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:32:47	4.688	4.688	106.250	28.125	148.438	160.938	187.501	290.628	356408.350
2	20:33:55	3.125	3.125	96.875	20.313	170.314	132.813	176.564	245.315	344918.940
3	20:35:03	0.000	0.000	87.500	23.438	103.125	103.125	135.938	251.565	348560.430
x		2.604	2.604	96.875	23.958	140.626	132.292	166.668	262.502	349962.570
σ		2.387	2.387	9.375	3.932	34.269	28.910	27.169	24.557	5871.642
%RSD		91.652	91.652	9.677	16.413	24.369	21.853	16.301	9.355	1.678

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:32:47	367054.130	193.751	456.257	223.439	234.377	482.821	279872.720	495.321
2	20:33:55	361284.830	120.313	334.379	231.252	178.126	500.009	277213.820	389.068
3	20:35:03	367866.830	96.875	232.814	179.689	142.188	393.755	278411.780	278.128
x		365401.930	136.980	341.150	211.460	184.897	458.862	278499.440	387.506
σ		3588.595	50.543	111.875	27.791	46.466	57.035	1331.620	108.605
%RSD		0.982	36.898	32.794	13.142	25.131	12.430	0.478	28.027

C2377-05 MJDX65 06/05/2011 08:39:33 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:40:41	30119.217	9.896	164.063	478.133	9484295.000	3419137.600	464852.520	545945.760	5543.263
2	20:41:50	30341.562	4.688	178.126	504.696	9460772.500	3473815.800	477457.460	556986.500	5643.302
3	20:42:58	30194.376	7.813	157.813	446.882	9485273.000	3405173.700	468599.780	557277.200	5438.535
x		30218.385	7.465	166.668	476.570	9476780.200	3432709.000	470303.250	553403.150	5541.700
σ		113.100	2.621	10.404	28.939	13871.634	36277.696	6472.825	6459.925	102.392
%RSD		0.374	35.116	6.242	6.072	0.146	1.057	1.376	1.167	1.848

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:40:41	3094416.100	5165.635	24845.023	655168.050	809764.500	28573.860	458649.380	78083.125	79.688
2	20:41:50	3116905.800	5066.847	25112.678	676556.160	817965.620	29046.687	473561.780	79849.096	103.125
3	20:42:58	3094567.800	5062.815	24963.980	689533.190	815272.730	28055.647	462705.190	78713.131	78.125
x		3101963.200	5098.432	24973.894	673752.470	814334.280	28558.732	464972.120	78881.784	86.979
σ		12940.874	58.235	134.103	17353.278	4180.321	495.693	7710.325	894.984	14.005
%RSD		0.417	1.142	0.537	2.576	0.513	1.736	1.658	1.135	16.101

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:40:41	112081.710	909.404	38027.107	7480.083	6624.973	124635.080	3120.653	204.689	162.501
2	20:41:50	118152.210	918.780	40059.212	7501.969	6846.953	127273.810	3139.407	187.501	176.564
3	20:42:58	119144.780	931.280	40222.169	7644.232	6810.998	126231.820	3270.687	178.126	165.626
x		116459.570	919.821	39436.163	7542.095	6760.975	126046.900	3176.916	190.105	168.230
σ		3823.677	10.975	1222.995	89.128	119.145	1329.052	81.748	13.472	7.384
%RSD		3.283	1.193	3.101	1.182	1.762	1.054	2.573	7.086	4.389

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:40:41	1326.624	601.575	55176.663	838.045	259.377	259.377	108.334	13.021	11.979
2	20:41:50	1346.939	598.450	55979.779	884.402	273.440	273.440	128.646	14.063	8.333
3	20:42:58	1278.182	517.197	55493.512	957.324	284.378	284.378	141.667	7.292	6.250
x		1317.248	572.407	55549.985	893.257	272.398	272.398	126.216	11.458	8.854
σ		35.324	47.839	404.525	60.130	12.533	12.533	16.799	3.646	2.900
%RSD		2.682	8.358	0.728	6.732	4.601	4.601	13.310	31.818	32.752

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:40:41	54.688	32.813	75.000	25.000	95.313	0.000	164608.550	75.000	39.063
2	20:41:50	51.563	48.438	76.563	40.625	75.000	0.000	167091.820	96.875	25.000
3	20:42:58	60.938	45.313	59.375	35.938	89.063	1.563	168579.460	103.125	23.438
x		55.729	42.188	70.313	33.854	86.459	0.521	166759.940	91.667	29.167
σ		4.774	8.268	9.504	8.018	10.404	0.902	2006.148	14.768	8.606
%RSD		8.566	19.598	13.517	23.684	12.033	173.205	1.203	16.111	29.505

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:40:41	4.688	4.688	35.938	114.063	217.189	95.313	5787.109	9754.892	346716.360
2	20:41:50	7.813	7.813	45.313	117.188	189.064	106.250	5662.059	9676.714	342985.720
3	20:42:58	6.250	6.250	39.063	100.000	168.751	96.875	5621.418	9906.559	348065.770
x		6.250	6.250	40.104	110.417	191.668	99.480	5690.196	9779.388	345922.620
σ		1.563	1.563	4.774	9.155	24.324	5.916	86.355	116.864	2631.397
%RSD		25.000	25.000	11.903	8.292	12.691	5.947	1.518	1.195	0.761

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:40:41	363000.950	79.688	179.689	528.135	434.382	1201.613	273935.860	1534.457
2	20:41:50	362906.410	95.313	203.126	528.135	476.570	1200.050	277433.650	1500.079
3	20:42:58	361946.580	57.813	135.938	575.012	479.696	1103.168	279313.500	1509.455
x		362617.980	77.604	172.918	543.760	463.549	1168.277	276894.340	1514.664
σ		583.371	18.837	34.102	27.064	25.308	56.392	2729.082	17.771
%RSD		0.161	24.273	19.722	4.977	5.460	4.827	0.986	1.173

C2377-06 MJDX65D 06/05/2011 08:47:28 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:48:36	30662.559	6.771	159.376	545.323	9603338.300	3487534.800	470845.440	555843.240	5249.402
2	20:49:44	29973.599	4.167	164.063	496.884	9517826.500	3390414.600	476032.770	560192.660	5202.510
3	20:50:52	29972.033	5.208	159.376	479.696	9595133.000	3414879.300	474561.940	553254.990	5246.276
x		30202.730	5.382	160.938	507.301	9572099.300	3430942.900	473813.380	556430.290	5232.729
σ		398.224	1.311	2.706	34.031	47180.332	50513.475	2673.451	3505.891	26.217
%RSD		1.319	24.354	1.682	6.708	0.493	1.472	0.564	0.630	0.501

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:48:36	3106256.900	4621.290	25095.461	677145.620	810070.190	29196.993	471549.970	80213.630	76.563
2	20:49:44	3093742.400	4470.083	24891.980	692444.040	807031.820	28174.631	474989.260	80032.933	82.813
3	20:50:52	3065597.300	4738.224	24968.676	708766.000	809567.880	28096.352	466331.220	78983.366	89.063
x		3088532.200	4609.866	24985.372	692785.220	808889.960	28489.325	470956.820	79743.310	82.813
σ		20824.495	134.435	102.763	15812.948	1628.682	614.107	4359.391	664.303	6.250
%RSD		0.674	2.916	0.411	2.283	0.201	2.156	0.926	0.833	7.547

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:48:36	108730.970	875.027	36672.009	7575.446	6803.182	123675.220	3045.637	139.063	162.501
2	20:49:44	113979.450	896.903	38154.008	7444.127	6700.008	124077.120	3130.030	145.313	153.126
3	20:50:52	116997.450	917.217	39618.924	7201.815	6603.088	122248.960	3009.692	137.501	143.751
x		113235.960	896.382	38148.314	7407.129	6702.093	123333.770	3061.787	140.626	153.126
σ		4183.096	21.100	1473.466	189.543	100.063	960.721	61.773	4.134	9.375
%RSD		3.694	2.354	3.862	2.559	1.493	0.779	2.018	2.940	6.122

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:48:36	1285.995	612.513	56513.122	912.008	275.003	275.003	134.376	13.542	7.292
2	20:49:44	1290.683	590.637	55134.313	922.426	260.940	260.940	134.896	13.542	10.938
3	20:50:52	1203.176	615.638	55233.131	993.785	326.566	326.566	125.521	15.625	9.375
x		1259.951	606.263	55626.855	942.739	287.503	287.503	131.598	14.236	9.201
σ		49.225	13.622	769.118	44.512	34.553	34.553	5.269	1.203	1.829
%RSD		3.907	2.247	1.383	4.722	12.018	12.018	4.004	8.449	19.879

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:48:36	37.500	54.688	62.500	37.500	70.313	0.000	168698.030	79.688	15.625
2	20:49:44	53.125	32.813	35.938	37.500	57.813	0.000	166345.690	101.563	23.438
3	20:50:52	51.563	35.938	68.750	31.250	56.250	0.000	168272.750	76.563	18.750
x		47.396	41.146	55.729	35.417	61.458	0.000	167772.160	85.938	19.271
σ		8.606	11.831	17.423	3.608	7.708	0.000	1253.525	13.622	3.932
%RSD		18.157	28.754	31.263	10.189	12.541	0.000	0.747	15.851	20.405

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:48:36	7.813	7.813	15.625	129.688	93.750	78.125	5807.430	10122.335	352905.800
2	20:49:44	9.375	9.375	31.250	128.126	70.313	87.500	5710.516	10073.863	350084.520
3	20:50:52	12.500	12.500	15.625	117.188	79.688	73.438	5632.360	9873.724	359485.590
x		9.896	9.896	20.833	125.001	81.250	79.688	5716.769	10023.307	354158.640
σ		2.387	2.387	9.021	6.811	11.797	7.160	87.702	131.791	4824.131
%RSD		24.119	24.119	43.301	5.449	14.519	8.985	1.534	1.315	1.362

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:48:36	368544.910	31.250	85.938	575.012	429.694	1073.478	285365.740	1418.821
2	20:49:44	369165.310	31.250	53.125	482.821	470.320	1131.295	288687.740	1420.383
3	20:50:52	374200.040	31.250	54.688	548.448	479.696	1051.601	289985.510	1468.826
x		370636.750	31.250	64.583	535.427	459.903	1085.458	288013.000	1436.010
σ		3101.449	0.000	18.510	47.455	26.579	41.175	2382.651	28.430
%RSD		0.837	0.000	28.660	8.863	5.779	3.793	0.827	1.980

C2377-07 MJDX65S 06/05/2011 08:55:22 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:56:30	29597.817	2925.300	146.876	2215.797	9342222.500	3299942.000	460718.810	541980.220	730032.160
2	20:57:38	29746.563	2966.975	165.626	2190.793	9193482.700	3318865.200	459549.840	532824.990	709332.150
3	20:58:46	28966.838	2971.142	157.813	2225.173	9344512.700	3311296.300	447740.880	529770.740	695422.690
x		29437.073	2954.472	156.772	2210.588	9293406.000	3310034.500	456003.180	534858.650	711595.660
σ		413.971	25.350	9.418	17.772	86543.701	9524.498	7179.190	6353.717	17415.411
%RSD		1.406	0.858	6.008	0.804	0.931	0.288	1.574	1.188	2.447

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:56:30	2977255.700	4651.532	23804.191	755595.660	778247.240	27679.915	459665.640	78105.120	68.750
2	20:57:38	2930036.600	5089.024	24118.780	747172.640	788484.790	27928.837	453543.300	77517.557	78.125
3	20:58:46	2983133.700	4776.529	23818.277	729729.780	779201.910	27606.336	442497.050	77138.954	107.813
x		2963475.400	4839.028	23913.749	744166.030	781977.980	27738.362	451902.000	77587.210	84.896
σ		29107.567	225.343	177.702	13192.447	5655.241	169.008	8701.184	486.834	20.393
%RSD		0.982	4.657	0.743	1.773	0.723	0.609	1.925	0.627	24.021

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:56:30	373516.880	101142.720	53358.840	50830.897	396352.800	807246.580	19288.012	307085.770	65097.984
2	20:57:38	381665.570	102540.130	55993.896	50783.855	392065.010	810018.960	18890.607	304777.750	64656.925
3	20:58:46	380747.810	101457.440	56128.799	50696.044	396797.710	800296.440	18610.552	306222.220	64233.145
x		378643.420	101713.430	55160.512	50770.265	395071.840	805853.990	18929.724	306028.580	64662.685
σ		4463.363	733.032	1561.751	68.446	2613.477	5008.626	340.420	1166.130	432.448
%RSD		1.179	0.721	2.831	0.135	0.662	0.622	1.798	0.381	0.669

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:56:30	80540.461	37276.696	113140.010	4415.787	360.942	360.942	320.316	87.500	9.375
2	20:57:38	79267.747	37735.711	113544.760	4501.230	442.194	442.194	328.129	95.834	7.292
3	20:58:46	80883.013	38815.160	113938.500	4339.722	418.756	418.756	318.233	80.729	9.896
x		80230.407	37942.522	113541.090	4418.913	407.298	407.298	322.226	88.021	8.854
σ		851.100	789.808	399.261	80.800	41.821	41.821	5.217	7.566	1.378
%RSD		1.061	2.082	0.352	1.828	10.268	10.268	1.619	8.595	15.563

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:56:30	56.250	35.938	53.125	25.000	70.313	0.000	166124.380	593.762	25644.872
2	20:57:38	64.063	48.438	48.438	20.313	98.438	3.125	165232.880	596.887	26494.859
3	20:58:46	48.438	35.938	57.813	23.438	67.188	0.000	166091.190	743.769	25821.753
x		56.250	40.104	53.125	22.917	78.646	1.042	165816.150	644.806	25987.162
σ		7.813	7.217	4.688	2.387	17.211	1.804	505.398	85.719	448.485
%RSD		13.889	17.995	8.824	10.415	21.884	173.205	0.305	13.294	1.726

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:56:30	495.321	495.321	25710.615	6807.872	71.875	47317.295	151331.700	265620.080	351527.120
2	20:57:38	456.257	456.257	26092.557	6900.104	67.188	46608.722	150496.380	263025.870	349685.870
3	20:58:46	450.007	450.007	26183.348	6900.104	89.063	44675.999	146953.530	251973.050	334438.170
x		467.195	467.195	25995.507	6869.360	76.042	46200.672	149593.870	260206.330	345217.050
σ		24.557	24.557	250.865	53.250	11.517	1367.110	2324.430	7247.254	9380.075
%RSD		5.256	5.256	0.965	0.775	15.146	2.959	1.554	2.785	2.717

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:56:30	371361.780	34486.889	85794.352	12425.714	11068.349	26410.328	285493.250	1423.508
2	20:57:38	363670.800	33335.724	85684.320	12123.892	10536.697	25602.609	276234.180	1332.875
3	20:58:46	354614.530	32688.920	82897.637	11967.511	10150.480	25414.774	275278.490	1317.248
x		363215.700	33503.844	84792.103	12172.372	10585.175	25809.237	279001.970	1357.877
σ		8382.893	910.699	1641.578	232.917	460.851	528.964	5641.884	57.373
%RSD		2.308	2.718	1.936	1.913	4.354	2.050	2.022	4.225

C2377-05LX5 MJDX65L 06/05/2011 09:03:17 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:04:25	29123.406	2.083	50.000	323.441	1864066.400	669518.780	89894.448	106081.470	3509.806
2	21:05:33	29492.913	6.771	60.938	365.630	1841815.900	665511.330	88741.964	104428.740	3484.800
3	21:06:42	29389.575	5.208	50.000	335.941	1828218.500	652101.150	88902.331	105102.400	3431.662
x		29335.298	4.688	53.646	341.671	1844700.300	662377.080	89179.581	105204.200	3475.423
σ		190.639	2.387	6.315	21.670	18097.174	9122.010	624.264	831.057	39.907
%RSD		0.650	50.918	11.771	6.342	0.981	1.377	0.700	0.790	1.148

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:04:25	612953.420	1470.388	19647.877	162345.370	194320.500	5616.729	91023.438	75596.366	21.875
2	21:05:33	598542.510	1448.511	19250.462	159848.710	192519.800	5269.722	89723.063	75268.076	17.188
3	21:06:42	605596.280	1428.196	19181.619	157829.570	192326.600	5491.680	91237.296	75393.736	21.875
x		605697.400	1449.032	19359.986	160007.880	193055.640	5459.377	90661.266	75419.393	20.313
σ		7205.986	21.101	251.686	2262.108	1099.657	175.744	819.513	165.642	2.706
%RSD		1.190	1.456	1.300	1.414	0.570	3.219	0.904	0.220	13.323

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:04:25	37242.231	515.634	12846.398	3622.334	1617.279	52516.665	828.149	151.563	75.000
2	21:05:33	36191.097	481.258	12205.212	3533.249	1525.081	52369.251	815.648	171.876	75.000
3	21:06:42	35633.448	473.445	11959.692	3584.825	1411.007	52342.591	876.589	146.876	81.250
x		36355.592	490.113	12337.101	3580.136	1517.789	52409.502	840.129	156.772	77.084
σ		816.909	22.445	457.830	44.727	103.329	93.758	32.188	13.289	3.608
%RSD		2.247	4.580	3.711	1.249	6.808	0.179	3.831	8.477	4.681

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:04:25	356.254	150.001	10980.781	326.045	114.063	114.063	117.709	4.688	8.333
2	21:05:33	321.879	143.751	10499.169	311.462	92.188	92.188	130.209	6.250	4.688
3	21:06:42	356.254	145.313	10646.153	298.441	110.938	110.938	120.313	4.167	11.979
x		344.796	146.355	10708.701	311.983	105.730	105.730	122.744	5.035	8.333
σ		19.847	3.253	246.823	13.810	11.831	11.831	6.595	1.084	3.646
%RSD		5.756	2.222	2.305	4.426	11.190	11.190	5.373	21.534	43.750

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:04:25	12.500	18.750	12.500	10.938	17.188	0.000	160423.850	76.563	31.250
2	21:05:33	15.625	9.375	17.188	4.688	15.625	0.000	157453.580	79.688	17.188
3	21:06:42	18.750	21.875	14.063	21.875	10.938	1.563	153349.920	56.250	29.688
x		15.625	16.667	14.583	12.500	14.583	0.521	157075.780	70.834	26.042
σ		3.125	6.505	2.387	8.700	3.253	0.902	3552.063	12.726	7.708
%RSD		20.000	39.031	16.366	69.597	22.304	173.205	2.261	17.966	29.597

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:04:25	1.563	1.563	18.750	25.000	53.125	68.750	1115.669	1892.313	321770.920
2	21:05:33	1.563	1.563	23.438	26.563	60.938	57.813	1190.675	1809.490	324885.550
3	21:06:42	1.563	1.563	18.750	18.750	45.313	62.500	1123.482	1937.631	311974.370
x		1.563	1.563	20.313	23.438	53.125	63.021	1143.275	1879.811	319543.610
σ		0.000	0.000	2.706	4.134	7.813	5.487	41.235	64.979	6737.602
%RSD		0.000	0.000	13.323	17.638	14.706	8.707	3.607	3.457	2.109

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:04:25	337234.000	103.125	273.440	129.688	109.375	242.190	255160.130	234.377
2	21:05:33	340161.570	64.063	225.002	125.001	112.500	229.689	256190.830	187.501
3	21:06:42	328178.290	57.813	182.814	120.313	90.625	243.752	249487.810	214.064
x		335191.290	75.000	227.085	125.001	104.167	238.544	253612.920	211.981
σ		6247.341	24.557	45.349	4.688	11.831	7.708	3609.430	23.507
%RSD		1.864	32.742	19.970	3.750	11.358	3.231	1.423	11.089

C2377-08 MJDX66 06/05/2011 09:11:13 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:12:21	30112.954	4.688	112.500	504.696	7274187.400	4417210.200	599965.270	704616.540	8838.671
2	21:13:29	30023.704	5.208	112.500	478.133	7334903.100	4457443.900	599167.360	704565.680	9138.860
3	21:14:37	29787.273	4.167	114.063	518.759	7365554.900	4416654.300	610557.180	709520.870	8930.916
x		29974.644	4.688	113.021	500.530	7324881.800	4430436.200	603229.940	706234.360	8969.482
σ		168.292	0.521	0.902	20.631	46500.817	23391.060	6358.107	2846.310	153.766
%RSD		0.561	11.111	0.798	4.122	0.635	0.528	1.054	0.403	1.714

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:12:21	3310770.000	2996.319	37351.892	575321.780	620788.930	28771.131	469062.230	80318.906	101.563
2	21:13:29	3345523.900	3361.232	37453.721	591715.170	634634.050	29254.924	478148.320	79178.190	92.188
3	21:14:37	3299833.400	2671.727	37334.660	609603.620	626228.150	28933.959	473385.770	78097.264	85.938
x		3318709.100	3009.759	37380.091	592213.530	627217.040	28986.671	473532.110	79198.120	93.229
σ		23857.459	344.948	64.345	17146.349	6975.335	246.167	4544.810	1110.955	7.864
%RSD		0.719	11.461	0.172	2.895	1.112	0.849	0.960	1.403	8.436

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:12:21	95456.921	882.840	31486.223	3505.118	2278.307	57062.174	1525.081	215.627	110.938
2	21:13:29	103286.100	873.464	33710.038	3652.029	2220.485	56467.631	1418.821	195.314	98.438
3	21:14:37	106316.020	843.775	35309.207	3556.693	2343.942	55331.950	1493.828	156.251	81.250
x		101686.350	866.693	33501.823	3571.280	2280.911	56287.251	1479.243	189.064	96.875
σ		5603.516	20.394	1919.979	74.534	61.770	879.102	54.611	30.177	14.905
%RSD		5.511	2.353	5.731	2.087	2.708	1.562	3.692	15.961	15.386

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:12:21	7103.328	3380.087	9944.085	786.480	234.377	234.377	127.084	9.896	6.250
2	21:13:29	7115.834	3287.878	10292.769	846.900	273.440	273.440	128.646	10.417	7.813
3	21:14:37	7134.594	3348.830	9678.277	853.671	282.815	282.815	123.438	11.458	6.250
x		7117.919	3338.932	9971.710	829.017	263.544	263.544	126.389	10.590	6.771
σ		15.737	46.895	308.176	36.994	25.691	25.691	2.673	0.796	0.902
%RSD		0.221	1.404	3.091	4.462	9.748	9.748	2.115	7.512	13.323

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:12:21	17.188	23.438	32.813	18.750	54.688	0.000	165689.690	56.250	34.375
2	21:13:29	26.563	29.688	28.125	18.750	53.125	1.563	167213.540	65.625	28.125
3	21:14:37	20.313	23.438	23.438	10.938	42.188	0.000	167232.510	78.125	21.875
x		21.354	25.521	28.125	16.146	50.000	0.521	166711.920	66.667	28.125
σ		4.774	3.608	4.688	4.511	6.811	0.902	885.323	10.975	6.250
%RSD		22.354	14.139	16.667	27.936	13.622	173.205	0.531	16.462	22.222

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:12:21	0.000	0.000	26.563	14.063	60.938	32.813	1559.460	2506.470	343348.980
2	21:13:29	0.000	0.000	34.375	7.813	46.875	56.250	1598.527	2709.632	352005.880
3	21:14:37	1.563	1.563	28.125	9.375	43.750	53.125	1486.015	2662.748	348241.860
x		0.521	0.521	29.688	10.417	50.521	47.396	1548.001	2626.283	347865.570
σ		0.902	0.902	4.134	3.253	9.155	12.726	57.125	106.377	4340.701
%RSD		173.205	173.205	13.925	31.225	18.122	26.850	3.690	4.050	1.248

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:12:21	362021.890	43.750	134.376	303.128	239.065	600.013	280347.520	3217.550
2	21:13:29	376251.310	40.625	100.000	301.566	229.689	615.638	282578.340	3308.196
3	21:14:37	364347.080	45.313	103.125	285.940	235.939	629.701	282242.100	3511.369
x		367540.090	43.229	112.500	296.878	234.898	615.117	281722.650	3345.705
σ		7633.194	2.387	19.009	9.505	4.774	14.851	1202.704	150.458
%RSD		2.077	5.521	16.897	3.201	2.032	2.414	0.427	4.497

C2377-09 MJDX67 06/05/2011 09:19:09 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:20:17	30617.149	4.167	81.250	490.633	5726690.300	3349431.000	458765.390	529723.730	1417.258
2	21:21:25	30664.125	6.250	70.313	420.319	5693006.500	3315684.600	450582.570	535949.610	1551.647
3	21:22:33	30502.843	1.563	67.188	482.821	5716714.400	3265862.100	455141.190	540859.230	1526.644
x		30594.706	3.993	72.917	464.591	5712137.100	3310325.900	454829.710	535510.850	1498.516
σ		82.950	2.349	7.384	38.539	17302.095	42041.359	4100.295	5580.700	71.474
%RSD		0.271	58.816	10.127	8.295	0.303	1.270	0.902	1.042	4.770

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:20:17	3388440.900	3776.547	25820.188	644312.540	669263.470	21447.338	350299.060	79599.270	60.938
2	21:21:25	3344594.200	3542.680	25937.588	647328.790	669443.490	21010.752	351352.590	80001.508	73.438
3	21:22:33	3347478.000	3484.213	26070.642	666355.600	667798.830	21503.672	347587.140	80048.646	76.563
x		3360171.000	3601.147	25942.806	652665.640	668835.260	21320.587	349746.260	79883.141	70.313
σ		24524.863	154.688	125.309	11951.385	902.084	269.800	1942.639	246.967	8.268
%RSD		0.730	4.296	0.483	1.831	0.135	1.265	0.555	0.309	11.759

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:20:17	105119.710	875.027	34524.480	2920.611	1926.692	44022.412	954.719	71.875	68.750
2	21:21:25	112947.870	887.528	36245.924	2892.480	1856.371	44295.128	942.219	59.375	45.313
3	21:22:33	115034.730	926.593	37210.900	2881.541	1968.886	44121.154	984.409	78.125	34.375
x		111034.110	896.382	35993.768	2898.211	1917.316	44146.231	960.449	69.792	49.479
σ		5227.216	26.899	1360.845	20.156	56.841	138.077	21.671	9.547	17.562
%RSD		4.708	3.001	3.781	0.695	2.965	0.313	2.256	13.679	35.494

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:20:17	1615.716	812.523	15597.573	833.879	301.566	301.566	128.126	10.417	9.375
2	21:21:25	1759.483	804.710	15513.106	863.047	284.378	284.378	116.667	14.583	7.813
3	21:22:33	1676.661	815.648	15783.715	901.591	310.941	310.941	131.771	8.854	8.333
x		1683.954	810.961	15631.464	866.172	298.961	298.961	125.521	11.285	8.507
σ		72.160	5.634	138.451	33.964	13.472	13.472	7.882	2.962	0.796
%RSD		4.285	0.695	0.886	3.921	4.506	4.506	6.279	26.244	9.352

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:20:17	48.438	54.688	84.375	37.500	89.063	0.000	168777.080	68.750	10.938
2	21:21:25	42.188	67.188	62.500	29.688	98.438	0.000	168166.820	79.688	10.938
3	21:22:33	37.500	64.063	67.188	39.063	90.625	1.563	171431.850	75.000	7.813
x		42.708	61.979	71.354	35.417	92.709	0.521	169458.590	74.479	9.896
σ		5.487	6.505	11.517	5.023	5.023	0.902	1735.925	5.487	1.804
%RSD		12.848	10.496	16.141	14.182	5.418	173.205	1.024	7.368	18.232

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:20:17	0.000	0.000	25.000	15.625	51.563	39.063	826.586	1409.445	355844.560
2	21:21:25	1.563	1.563	12.500	9.375	62.500	45.313	810.961	1329.749	355245.550
3	21:22:33	0.000	0.000	15.625	7.813	53.125	23.438	757.833	1425.071	360845.810
x		0.521	0.521	17.708	10.938	55.729	35.938	798.460	1388.088	357311.970
σ		0.902	0.902	6.505	4.134	5.916	11.267	36.041	51.124	3075.016
%RSD		173.205	173.205	36.735	37.796	10.615	31.353	4.514	3.683	0.861

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:20:17	377508.840	31.250	75.000	790.647	648.452	1675.098	294906.600	2272.056
2	21:21:25	378312.500	32.813	70.313	746.895	742.207	1661.034	289739.980	2267.367
3	21:22:33	377001.970	17.188	68.750	740.644	664.078	1609.466	296629.220	2214.234
x		377607.770	27.083	71.354	759.395	684.912	1648.533	293758.600	2251.219
σ		660.843	8.606	3.253	27.245	50.230	34.556	3585.225	32.116
%RSD		0.175	31.774	4.558	3.588	7.334	2.096	1.220	1.427

C2377-10 MJDX70 06/05/2011 09:27:04 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:28:13	31204.355	3.646	96.875	510.947	7165359.500	4649713.400	637480.140	753835.940	14710.695
2	21:29:21	30737.720	1.563	75.000	560.949	7153254.500	4691537.400	633061.870	742490.890	14885.877
3	21:30:29	30078.507	3.125	95.313	582.824	7013675.200	4566574.100	624146.510	741507.360	14601.208
x		30673.527	2.778	89.063	551.573	7110763.100	4635941.600	631562.840	745944.730	14732.593
σ		565.663	1.084	12.204	36.845	84298.153	63609.754	6792.031	6851.658	143.592
%RSD		1.844	39.031	13.702	6.680	1.186	1.372	1.075	0.919	0.975

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:28:13	3504730.600	2566.891	38929.533	676572.530	646534.630	30563.910	497154.300	79963.798	90.625
2	21:29:21	3414626.000	2306.815	38569.183	689598.750	649636.320	30465.263	502325.880	81002.437	103.125
3	21:30:29	3376619.900	2218.106	38103.874	700097.610	646936.610	29632.263	492282.040	81767.716	96.875
x		3431992.200	2363.937	38534.197	688756.300	647702.520	30220.479	497254.070	80911.317	96.875
σ		65797.255	181.273	413.940	11785.145	1686.739	511.792	5022.665	905.404	6.250
%RSD		1.917	7.668	1.074	1.711	0.260	1.694	1.010	1.119	6.452

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:28:13	105779.240	829.712	35133.775	3944.294	3103.462	60667.609	1578.212	48.438	95.313
2	21:29:21	112719.510	837.525	37143.537	3778.625	3198.796	60187.460	1453.199	73.438	68.750
3	21:30:29	114499.210	845.338	38249.575	3888.029	3298.818	59562.975	1492.265	45.313	75.000
x		110999.320	837.525	36842.296	3870.316	3200.359	60139.348	1507.892	55.729	79.688
σ		4607.467	7.813	1579.592	84.243	97.688	553.886	63.955	15.415	13.888
%RSD		4.151	0.933	4.287	2.177	3.052	0.921	4.241	27.661	17.428

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:28:13	9181.074	4310.025	11135.588	903.674	295.316	295.316	125.001	10.938	10.938
2	21:29:21	9168.566	4244.380	11146.534	917.738	284.378	284.378	119.271	9.896	8.854
3	21:30:29	9074.756	4258.447	11173.118	952.636	306.253	306.253	128.126	6.250	8.854
x		9141.466	4270.951	11151.747	924.683	295.316	295.316	124.132	9.028	9.549
σ		58.109	34.562	19.300	25.209	10.938	10.938	4.490	2.461	1.203
%RSD		0.636	0.809	0.173	2.726	3.704	3.704	3.618	27.264	12.597

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:28:13	42.188	43.750	37.500	14.063	48.438	0.000	172315.830	71.875	7.813
2	21:29:21	32.813	37.500	18.750	28.125	57.813	0.000	171182.010	73.438	15.625
3	21:30:29	32.813	34.375	35.938	20.313	48.438	0.000	174134.560	78.125	10.938
x		35.938	38.542	30.729	20.833	51.563	0.000	172544.130	74.479	11.458
σ		5.413	4.774	10.404	7.046	5.413	0.000	1489.457	3.253	3.932
%RSD		15.061	12.385	33.856	33.819	10.497	0.000	0.863	4.367	34.317

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:28:13	0.000	0.000	14.063	7.813	46.875	20.313	1715.728	2937.802	358971.340
2	21:29:21	0.000	0.000	14.063	12.500	37.500	25.000	1728.230	2831.531	368208.270
3	21:30:29	4.688	4.688	12.500	1.563	40.625	20.313	1664.159	2998.752	365018.590
x		1.563	1.563	13.542	7.292	41.667	21.875	1702.706	2922.695	364066.070
σ		2.706	2.706	0.902	5.487	4.774	2.706	33.962	84.628	4691.555
%RSD		173.205	173.205	6.662	75.255	11.456	12.372	1.995	2.896	1.289

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:28:13	382548.080	20.313	40.625	340.629	228.127	653.140	296115.600	3806.757
2	21:29:21	391889.990	9.375	53.125	303.128	300.003	715.643	301512.680	3550.441
3	21:30:29	383473.980	18.750	35.938	364.067	306.253	701.580	302345.640	3831.764
x		385970.680	16.146	43.229	335.941	278.128	690.121	299991.310	3729.654
σ		5147.132	5.916	8.885	30.739	43.415	32.789	3382.200	155.706
%RSD		1.334	36.638	20.553	9.150	15.610	4.751	1.127	4.175

zzzzzz 06/05/2011 09:35:01 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:36:09	31724.248	3.125	54.688	296.878	19431.957	1443.823	203.126	237.502	864.089
2	21:37:17	32142.369	4.688	14.063	298.441	18763.877	1368.816	198.439	234.377	865.651
3	21:38:26	32239.462	3.125	34.375	296.878	18447.841	1421.946	196.876	210.939	892.215
x		32035.360	3.646	34.375	297.399	18881.225	1411.528	199.481	227.606	873.985
σ		273.769	0.902	20.313	0.902	502.443	38.574	3.253	14.518	15.807
%RSD		0.855	24.744	59.091	0.303	2.661	2.733	1.631	6.379	1.809

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:36:09	3014.381	1650.095	20952.855	87158.824	55236.268	59.375	1461.012	82622.613	6.250
2	21:37:17	3050.326	1515.705	20952.855	81978.292	54751.595	87.500	1293.809	80678.738	6.250
3	21:38:26	2964.370	1564.148	20449.000	78122.401	54417.510	48.438	1378.192	82676.046	3.125
x		3009.692	1576.650	20784.903	82419.839	54801.791	65.104	1377.671	81992.466	5.208
σ		43.169	68.062	290.900	4534.364	411.681	20.152	83.603	1138.035	1.804
%RSD		1.434	4.317	1.400	5.502	0.751	30.953	6.068	1.388	34.641

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:36:09	21832.295	432.819	7211.195	2937.802	190.626	39363.532	278.128	4.688	12.500
2	21:37:17	19809.037	368.755	6818.815	2964.370	210.939	40110.920	250.002	4.688	12.500
3	21:38:26	18170.924	384.380	6284.194	3058.140	201.564	40245.673	275.003	9.375	7.813
x		19937.419	395.318	6771.401	2986.771	201.043	39906.708	267.711	6.250	10.938
σ		1834.059	33.403	465.315	63.219	10.166	475.205	15.416	2.706	2.706
%RSD		9.199	8.450	6.872	2.117	5.057	1.191	5.758	43.301	24.744

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:36:09	98.438	39.063	339.067	213.022	67.188	67.188	138.542	13.542	13.542
2	21:37:17	78.125	64.063	375.005	171.355	62.500	62.500	143.751	7.292	11.979
3	21:38:26	117.188	64.063	351.567	170.314	56.250	56.250	131.251	7.292	10.417
x		97.917	55.729	355.213	184.897	61.979	61.979	137.848	9.375	11.979
σ		19.537	14.434	18.244	24.363	5.487	5.487	6.279	3.608	1.563
%RSD		19.952	25.900	5.136	13.176	8.854	8.854	4.555	38.490	13.043

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:36:09	4.688	6.250	3.125	1.563	3.125	1.563	177619.250	73.438	3.125
2	21:37:17	9.375	1.563	3.125	6.250	6.250	0.000	176624.220	65.625	9.375
3	21:38:26	7.813	3.125	1.563	0.000	6.250	0.000	176409.080	78.125	9.375
x		7.292	3.646	2.604	2.604	5.208	0.521	176884.190	72.396	7.292
σ		2.387	2.387	0.902	3.253	1.804	0.902	645.612	6.315	3.608
%RSD		32.733	65.465	34.641	124.900	34.641	173.205	0.365	8.723	49.487

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:36:09	0.000	0.000	9.375	1.563	42.188	15.625	4.688	1.563	361794.360
2	21:37:17	1.563	1.563	3.125	1.563	40.625	12.500	0.000	3.125	363387.150
3	21:38:26	0.000	0.000	6.250	4.688	18.750	9.375	4.688	4.688	360060.750
x		0.521	0.521	6.250	2.604	33.854	12.500	3.125	3.125	361747.420
σ		0.902	0.902	3.125	1.804	13.104	3.125	2.706	1.563	1663.699
%RSD		173.205	173.205	50.000	69.282	38.707	25.000	86.603	50.000	0.460

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:36:09	377553.760	21.875	46.875	31.250	20.313	51.563	294434.510	3.125
2	21:37:17	376942.620	9.375	43.750	20.313	25.000	51.563	290899.120	3.125
3	21:38:26	373471.980	26.563	31.250	20.313	29.688	56.250	283319.360	3.125
x		375989.450	19.271	40.625	23.958	25.000	53.125	289551.000	3.125
σ		2201.505	8.885	8.268	6.315	4.688	2.706	5678.883	0.000
%RSD		0.586	46.105	20.352	26.357	18.750	5.094	1.961	0.000

zzzzzz 06/05/2011 09:42:58 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:44:06	31288.915	3.646	23.438	282.815	17761.034	1743.856	225.002	267.190	865.651
2	21:45:15	32004.560	1.563	15.625	320.316	18371.180	1701.664	232.814	257.815	896.903
3	21:46:23	32640.371	6.771	21.875	329.691	18626.197	1904.815	268.753	290.628	945.344
x		31977.949	3.993	20.313	310.941	18252.804	1783.445	242.190	271.878	902.633
σ		676.121	2.621	4.134	24.804	444.563	107.205	23.334	16.901	40.154
%RSD		2.114	65.651	20.352	7.977	2.436	6.011	9.634	6.217	4.449

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:44:06	3375.399	1146.921	20653.982	67477.738	53937.570	14.063	418.756	77094.967	1.563
2	21:45:15	3356.644	1181.299	20702.490	73611.038	55302.147	12.500	390.630	80942.725	0.000
3	21:46:23	3472.297	1140.670	21229.825	77497.135	56037.818	9.375	415.631	81660.857	1.563
x		3401.447	1156.297	20862.099	72861.970	55092.512	11.979	408.339	79899.517	1.042
σ		62.071	21.877	319.383	5051.525	1065.702	2.387	15.416	2455.209	0.902
%RSD		1.825	1.892	1.531	6.933	1.934	19.924	3.775	3.073	86.603

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:44:06	13764.440	351.567	4736.723	2875.289	129.688	40168.895	309.378	6.250	10.938
2	21:45:15	13464.154	351.567	4536.658	2834.656	167.188	41083.991	321.879	10.938	10.938
3	21:46:23	12780.715	334.379	4345.974	3084.708	164.063	41934.896	300.003	3.125	12.500
x		13336.436	345.838	4539.785	2931.551	153.647	41062.594	310.420	6.771	11.458
σ		504.146	9.923	195.393	134.185	20.807	883.195	10.975	3.932	0.902
%RSD		3.780	2.869	4.304	4.577	13.542	2.151	3.535	58.076	7.873

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:44:06	20.313	6.250	67.188	114.063	40.625	40.625	146.876	7.292	11.458
2	21:45:15	50.000	10.938	96.875	131.251	31.250	31.250	123.959	5.729	8.333
3	21:46:23	34.375	4.688	64.063	109.375	42.188	42.188	135.938	8.333	8.333
x		34.896	7.292	76.042	118.230	38.021	38.021	135.591	7.118	9.375
σ		14.851	3.253	18.110	11.517	5.916	5.916	11.462	1.311	1.804
%RSD		42.557	44.607	23.816	9.742	15.559	15.559	8.454	18.414	19.245

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:44:06	3.125	0.000	4.688	6.250	7.813	0.000	163287.270	82.813	3.125
2	21:45:15	1.563	1.563	3.125	1.563	3.125	1.563	173737.580	106.250	10.938
3	21:46:23	3.125	1.563	4.688	1.563	4.688	0.000	174999.720	68.750	4.688
x		2.604	1.042	4.167	3.125	5.208	0.521	170674.860	85.938	6.250
σ		0.902	0.902	0.902	2.706	2.387	0.902	6428.888	18.944	4.134
%RSD		34.641	86.603	21.651	86.603	45.826	173.205	3.767	22.044	66.144

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:44:06	0.000	0.000	7.813	1.563	34.375	7.813	4.688	6.250	339531.220
2	21:45:15	1.563	1.563	4.688	0.000	31.250	12.500	3.125	3.125	358399.430
3	21:46:23	1.563	1.563	6.250	0.000	46.875	7.813	1.563	3.125	361549.200
x		1.042	1.042	6.250	0.521	37.500	9.375	3.125	4.167	353159.950
σ		0.902	0.902	1.563	0.902	8.268	2.706	1.563	1.804	11907.438
%RSD		86.603	86.603	25.000	173.205	22.048	28.868	50.000	43.301	3.372

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:44:06	353053.130	18.750	43.750	15.625	9.375	42.188	266022.790	6.250
2	21:45:15	368913.620	14.063	35.938	17.188	23.438	40.625	279783.500	1.563
3	21:46:23	374381.260	23.438	60.938	15.625	10.938	23.438	291581.570	7.813
x		365449.340	18.750	46.875	16.146	14.583	35.417	279129.290	5.208
σ		11078.053	4.688	12.790	0.902	7.708	10.404	12791.945	3.253
%RSD		3.031	25.000	27.285	5.587	52.852	29.375	4.583	62.450

CCV 06/05/2011 09:50:54 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:52:02	32125.143	34643.518	8230.495	421.881	25002448.000	18069897.000	2463073.000	2902639.400	4102916.700
2	21:53:10	33705.340	34672.755	8289.905	420.319	25457486.000	18261939.000	2458854.700	2920387.200	4115051.800
3	21:54:18	33235.491	35085.219	8382.146	428.131	26180777.000	18341930.000	2499782.300	2951753.600	4159663.500
x		33021.991	34800.497	8300.849	423.444	25546904.000	18224589.000	2473903.300	2924926.700	4125877.300
σ		811.445	247.009	76.415	4.134	594231.620	139809.370	22510.857	24869.831	29882.138
%RSD		2.457	0.710	0.921	0.976	2.326	0.767	0.910	0.850	0.724

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:52:02	91560.701	168071.970	20919.994	85574.288	8859987.100	47350.679	698946.370	81389.000	21002.928
2	21:53:10	91517.365	168966.810	21286.159	89979.355	8853548.900	48753.779	710709.050	84348.279	21309.632
3	21:54:18	91477.968	170176.350	21436.384	90303.265	9008344.500	48935.743	712461.960	83081.513	20923.123
x		91518.678	169071.710	21214.179	88618.969	8907293.500	48346.734	707372.460	82939.597	21078.561
σ		41.382	1056.105	265.613	2641.740	87571.915	867.394	7349.654	1484.735	204.052
%RSD		0.045	0.625	1.252	2.981	0.983	1.794	1.039	1.790	0.968

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:52:02	310741.690	304757.010	39476.343	1180385.800	918047.240	20380707.000	480860.540	366098.830	76064.465
2	21:53:10	314960.710	301480.770	39985.569	1231249.900	922525.490	20456857.000	480486.780	378014.130	77641.666
3	21:54:18	312852.650	307572.640	39926.028	1220903.500	920545.900	20342838.000	477303.890	374600.970	78262.226
x		312851.680	304603.470	39795.980	1210846.400	920372.880	20393467.000	479550.400	372904.650	77322.786
σ		2109.512	3048.838	278.410	26882.126	2244.134	58071.008	1954.495	6136.101	1133.050
%RSD		0.674	1.001	0.700	2.220	0.244	0.285	0.408	1.645	1.465

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:52:02	372585.210	172454.990	135639.330	47973.123	3367.584	3367.584	10995.376	4472.054	7.813
2	21:53:10	373938.640	176377.450	135442.160	48441.366	3345.704	3345.704	10940.125	4609.598	12.500
3	21:54:18	370438.260	177328.170	137377.690	48512.440	3497.303	3497.303	10881.747	4659.093	16.146
x		372320.700	175386.870	136153.060	48308.976	3403.531	3403.531	10939.083	4580.248	12.153
σ		1765.118	2583.196	1065.137	293.020	81.943	81.943	56.821	96.912	4.178
%RSD		0.474	1.473	0.782	0.607	2.408	2.408	0.519	2.116	34.375

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:52:02	57593.989	97229.755	109389.090	62505.193	162631.410	1.563	175607.110	6857.896	312081.360
2	21:53:10	59032.656	99769.048	110916.420	64470.146	165833.530	6.250	178286.870	6678.123	319930.270
3	21:54:18	60920.243	100640.760	110618.810	63934.937	166486.370	1.563	181274.110	6795.366	318292.730
x		59182.296	99213.186	110308.110	63636.759	164983.770	3.125	178389.360	6777.128	316768.120
σ		1668.169	1772.137	809.686	1015.846	2063.190	2.706	2834.891	91.263	4140.612
%RSD		2.819	1.786	0.734	1.596	1.251	86.603	1.589	1.347	1.307

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:52:02	5013.380	5013.380	312269.790	76846.760	193359.150	267062.220	216093.990	370981.780	374783.800
2	21:53:10	5164.996	5164.996	314876.070	77035.272	196195.870	271521.670	214649.010	375922.510	372963.640
3	21:54:18	5064.960	5064.960	318815.120	78350.206	199091.780	270972.330	215213.660	372267.720	375627.400
x		5081.112	5081.112	315320.330	77410.746	196215.600	269852.080	215318.890	373057.340	374458.280
σ		77.088	77.088	3295.207	819.038	2866.364	2431.646	728.213	2563.266	1361.386
%RSD		1.517	1.517	1.045	1.058	1.461	0.901	0.338	0.687	0.364

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:52:02	386497.590	386455.860	966592.990	311359.620	298395.110	720227.820	288372.090	1618920.400
2	21:53:10	390300.480	394139.690	984028.150	319048.370	306006.740	709074.510	290042.910	1642616.500
3	21:54:18	392882.320	392591.680	982065.370	317524.350	302687.130	726266.050	295715.250	1613152.200
x		389893.470	391062.410	977562.170	315977.450	302362.990	718522.790	291376.750	1624896.400
σ		3211.765	4063.780	9550.150	4071.108	3816.150	8721.675	3849.005	15614.768
%RSD		0.824	1.039	0.977	1.288	1.262	1.214	1.321	0.961

CCB 06/05/2011 09:58:48 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:59:56	34862.800	8.333	154.688	323.441	20636.770	3372.273	421.881	565.636	1203.176
2	22:01:04	34410.142	9.896	109.375	320.316	21300.243	3459.794	506.259	632.827	1262.556
3	22:02:13	34618.457	8.854	123.438	287.503	24395.813	5560.457	760.958	918.780	1745.419
x		34630.466	9.028	129.167	310.420	22110.942	4130.841	563.033	705.747	1403.717
σ		226.568	0.796	23.193	19.908	2006.371	1238.857	176.524	187.525	297.409
%RSD		0.654	8.813	17.956	6.413	9.074	29.990	31.352	26.571	21.187
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	21:59:56	2917.485	1306.310	21808.822	93265.958	62320.012	15.625	385.943	87499.963	7.813
2	22:01:04	3059.703	1296.934	22221.958	94502.168	62873.994	15.625	446.882	89122.446	7.813
3	22:02:13	3159.724	1248.492	22068.595	95093.573	64041.663	28.125	454.695	88363.064	3.125
x		3045.638	1283.912	22033.125	94287.233	63078.556	19.792	429.173	88328.491	6.250
σ		121.730	31.031	208.840	932.572	878.866	7.217	37.642	811.794	2.706
%RSD		3.997	2.417	0.948	0.989	1.393	36.464	8.771	0.919	43.301
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	21:59:56	8779.259	340.629	2970.621	3451.980	251.565	41152.940	414.069	54.688	10.938
2	22:01:04	8571.321	387.505	2808.089	3426.974	251.565	41235.991	385.943	45.313	23.438
3	22:02:13	8419.668	365.630	2840.907	3486.363	375.005	43415.873	423.444	100.000	32.813
x		8590.083	364.588	2873.206	3455.105	292.711	41934.934	407.818	66.667	22.396
σ		180.528	23.455	85.945	29.818	71.268	1283.202	19.516	29.246	10.975
%RSD		2.102	6.433	2.991	0.863	24.348	3.060	4.786	43.869	49.003
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	21:59:56	68.750	35.938	104.688	90.625	40.625	40.625	146.876	11.979	8.854
2	22:01:04	78.125	43.750	117.188	68.750	9.375	9.375	172.918	3.646	10.417
3	22:02:13	115.625	56.250	93.750	87.500	23.438	23.438	173.959	8.333	8.333
x		87.500	45.313	105.209	82.292	24.479	24.479	164.584	7.986	9.201
σ		24.804	10.246	11.728	11.831	15.651	15.651	15.345	4.178	1.084
%RSD		28.347	22.612	11.147	14.377	63.936	63.936	9.323	52.310	11.783
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	21:59:56	67.188	134.376	192.189	106.250	290.628	0.000	193775.670	100.000	48.438
2	22:01:04	51.563	106.250	156.251	54.688	167.188	0.000	188982.410	115.625	54.688
3	22:02:13	57.813	90.625	103.125	62.500	160.938	0.000	193574.540	96.875	100.000
x		58.854	110.417	150.522	74.479	206.252	0.000	192110.880	104.167	67.709
σ		7.864	22.171	44.807	27.790	73.139	0.000	2711.193	10.046	28.140
%RSD		13.363	20.079	29.768	37.313	35.461	0.000	1.411	9.644	41.560
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	21:59:56	3.125	3.125	48.438	14.063	343.754	414.069	28.125	64.063	387845.910
2	22:01:04	3.125	3.125	76.563	14.063	246.877	340.629	40.625	56.250	395411.630
3	22:02:13	3.125	3.125	90.625	25.000	221.877	278.128	53.125	82.813	392134.050
x		3.125	3.125	71.875	17.708	270.836	344.275	40.625	67.708	391797.200
σ		0.000	0.000	21.481	6.315	64.374	68.044	12.500	13.651	3794.092
%RSD		0.000	0.000	29.886	35.660	23.769	19.764	30.769	20.162	0.968
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	21:59:56	410218.920	75.000	198.439	64.063	56.250	131.251	317759.170	296.878	
2	22:01:04	418848.350	70.313	254.690	64.063	51.563	139.063	322064.940	301.566	
3	22:02:13	415173.060	151.563	307.816	103.125	84.375	232.814	319596.350	437.507	
x		414746.780	98.959	253.648	77.084	64.063	167.709	319806.820	345.317	
σ		4330.481	45.617	54.696	22.553	17.747	56.518	2160.584	79.873	
%RSD		1.044	46.097	21.564	29.258	27.702	33.700	0.676	23.130	

Performance Report

Sample details
Sample name : TUNE
Acquired at : 06/05/2011 02:52:01 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

CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

ICP-MS (P6) ANALYSIS RUN LOG

METHOD: ISM01.2/~~6020/200.8~~ 8 06/04/11 PROJECT No: C2310, C2339, C2362, C2377

RUN ID: LB55366 DATE: 06/04/2011 ANALYST: S.JASWAL SUPERVISOR REVIEW:

QC/SAMPLE ID	STANDARD SOURCE	STD. REF. No. from Prep. Log	PREP DATE	EXPIRATION DATE	COMMENTS
TUNE	INORGANIC VENTURES	MP7002	05/27/2011	06/10/2011	
S0	————	MP6991	05/27/2011	06/10/2011	
S1	INORGANIC VENTURES	MP7000	05/27/2011	06/10/2011	
S2	INORGANIC VENTURES	MP6996	05/27/2011	06/10/2011	
S3	INORGANIC VENTURES	MP6995	05/27/2011	06/10/2011	
S4	INORGANIC VENTURES	MP6994	05/27/2011	06/10/2011	
S5	INORGANIC VENTURES	MP6993	05/27/2011	06/10/2011	
ICV	EPA ICV-1(0307)	MP7009	05/27/2011	06/10/2011	
ICB	————	MP6991	05/27/2011	06/10/2011	
ICSA	EPA ICSA(0803	MP7005	05/27/2011	06/10/2011	
ICSAB	EPA ICSA(0803)+ ICSB(0803)	MP7006	05/27/2011	06/10/2011	
ICSAX10	————	MP7007	05/27/2011	06/10/2011	
ICSABX10	————	MP7008	05/27/2011	06/10/2011	
CCV	INORGANIC VENTURES	MP6997	05/27/2011	06/10/2011	
CCB	————	MP6991	05/27/2011	06/10/2011	

COMMENTS	SOURCE	INTERNAL STANDARD REF. NO. FROM PREP LOG, PREPARATION DATE AND EXPIRATION DATE
INTERNAL STANDARD SOURCE	INORGANIC VENTURES	INTERNAL STANDARD USED FOR THIS RUN:MP7010
		INTERNAL STANDARD PREPARATION DATE: 05/27/2011
		INTERNAL STANDARD EXPIRATION DATE: 06/10/2011
LCSW SOURCE	INORGANIC VENTURES	
LCSS SOURCE	INORGANIC VENTURES	

ANALYSIS START TIME: 03:11 PM DATE: 06/04/2011 ANALYSIS END TIME: 05:51 AM DATE: 06/05/2011

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	ICV	Unknown	1.000	1	1	7	144
9	ICB	Unknown	1.000	1	1	8	144
10	ICSA	Unknown	1.000	1	1	9	144
11	ICSAB	Unknown	1.000	1	1	10	144
12	ICSAX10	Unknown	1.000	1	1	11	144
13	ICSABX10	Unknown	1.000	1	1	12	144
14	CCV	Unknown	1.000	1	2	1	144
15	CCB	Unknown	1.000	1	2	2	144
16	ZZZZZZ	Unknown	1.000	1	2	3	144
17	PB55585BL PBW	Unknown	1.000	1	2	4	144
18	PB55605BL PBW	Unknown	1.000	1	2	5	144
19	PB55585BS LCSW	Unknown	1.000	1	2	6	144
20	PB55605BS LCSW	Unknown	1.000	1	2	7	144
21	C2310-01 MF4R93	Unknown	1.000	1	2	8	144
22	C2310-02 MF4R94	Unknown	1.000	1	2	9	144
23	ZZZZZZ	Unknown	1.000	1	2	10	144
24	C2310-04 MF4R94S	Unknown	1.000	1	2	11	144
25	C2310-02LX5 MF4R94L	Unknown	1.000	1	2	12	144
26	CCV	Unknown	1.000	1	3	1	144
27	CCB	Unknown	1.000	1	3	2	144
28	C2310-01X25 MF4R93	Unknown	1.000	1	3	3	144
29	C2310-02X25 MF4R94	Unknown	1.000	1	3	4	144
30	C2310-03X25 MF4R94D	Unknown	1.000	1	3	5	144
31	C2310-04X25 MF4R94S	Unknown	1.000	1	3	6	144
32	C2310-02LX125 MF4R94L	Unknown	1.000	1	3	7	144
33	C2339-01 MF4Q23	Unknown	1.000	1	3	8	144
34	C2339-02 MF4Q19	Unknown	1.000	1	3	9	144
35	C2339-03 MF4Q26	Unknown	1.000	1	3	10	144
36	C2339-01X25 MF4Q23	Unknown	1.000	1	3	11	144
37	C2339-02X25 MF4Q19	Unknown	1.000	1	3	12	144
38	CCV	Unknown	1.000	1	4	1	144
39	CCB	Unknown	1.000	1	4	2	144
40	C2339-03X25 MF4Q26	Unknown	1.000	1	4	3	144
41	C2339-04 MF4Q27	Unknown	1.000	1	4	4	144
42	C2339-05 MF4Q28	Unknown	1.000	1	4	5	144
43	C2339-06 MF4Q30	Unknown	1.000	1	4	6	144
44	C2339-07 MF4Q31	Unknown	1.000	1	4	7	144
45	C2339-08 MF4Q60	Unknown	1.000	1	4	8	144
46	C2339-04X25 MF4Q27	Unknown	1.000	1	4	9	144
47	C2339-05X25 MF4Q28	Unknown	1.000	1	4	10	144
48	C2339-06X25 MF4Q30	Unknown	1.000	1	4	11	144
49	C2339-07X25 MF4Q31	Unknown	1.000	1	4	12	144
50	CCV	Unknown	1.000	1	5	1	144
51	CCB	Unknown	1.000	1	5	2	144
52	C2339-08X25 MF4Q60	Unknown	1.000	1	5	3	144
53	C2339-13 MF4Q17	Unknown	1.000	1	5	4	144
54	C2339-10 MF4Q22	Unknown	1.000	1	5	5	144
55	C2339-11 MF4Q22D	Unknown	1.000	1	5	6	144
56	C2339-12 MF4Q22S	Unknown	1.000	1	5	7	144
57	C2339-10LX5 MF4Q22L	Unknown	1.000	1	5	8	144
58	C2339-10X25 MF4Q22	Unknown	1.000	1	5	9	144
59	C2339-11X25 MF4Q22D	Unknown	1.000	1	5	10	144
60	C2339-12X25 MF4Q22S	Unknown	1.000	1	5	11	144
61	C2339-10LX125 MF4Q22L	Unknown	1.000	1	5	12	144
62	CCV	Unknown	1.000	2	1	1	144
63	CCB	Unknown	1.000	2	1	2	144
64	C2339-13X25 MF4Q17	Unknown	1.000	2	1	3	144
65	C2339-14 MF4Q20	Unknown	1.000	2	1	4	144
66	C2339-15 MF4Q21	Unknown	1.000	2	1	5	144
67	C2339-16 MF4Q24	Unknown	1.000	2	1	6	144
68	C2339-17 MF4Q25	Unknown	1.000	2	1	7	144
69	C2339-18 MF4Q29	Unknown	1.000	2	1	8	144
70	C2339-14X25 MF4Q20	Unknown	1.000	2	1	9	144
71	C2339-15X25 MF4Q21	Unknown	1.000	2	1	10	144
72	C2339-16X25 MF4Q24	Unknown	1.000	2	1	11	144
73	C2339-17X25 MF4Q25	Unknown	1.000	2	1	12	144
74	CCV	Unknown	1.000	2	2	1	144

-6Li = 126%

75	CCB	Unknown	1.000	2	2	2	144	- Need to Rerun for IS (6Li')
76	C2339-18X25 MF4Q29	Unknown	1.000	2	2	3	144	
77	C2339-09 MF4Q13	Unknown	1.000	2	2	4	144	CR High → Need Rerun for IS (6Li')
78	C2339-09X25 MF4Q13	Unknown	1.000	2	2	5	144	For CR ONLY
79	C2339-19 MF4Q58	Unknown	1.000	2	2	6	144	
80	C2339-20 MF4Q59	Unknown	1.000	2	2	7	144	
81	C2339-19X25 MF4Q58	Unknown	1.000	2	2	8	144	
82	C2339-20X25 MF4Q59	Unknown	1.000	2	2	9	144	
83	ZZZZZZ	Unknown	1.000	2	2	10	144	
84	ZZZZZZ	Unknown	1.000	2	2	11	144	
85	ZZZZZZ	Unknown	1.000	2	2	12	144	
86	CCV	Unknown	1.000	2	3	1	144	
87	CCB	Unknown	1.000	2	3	2	144	6Li = 132%.
88	C2362-10 MJDX45	Unknown	1.000	2	3	3	144	
89	C2362-11 MJDX46	Unknown	1.000	2	3	4	144	
90	C2362-12 MJDX47	Unknown	1.000	2	3	5	144	
91	C2362-13 MJDX48	Unknown	1.000	2	3	6	144	
92	C2362-14 MJDX49	Unknown	1.000	2	3	7	144	
93	C2362-15 MJDX50	Unknown	1.000	2	3	8	144	
94	C2362-07 MJDX44	Unknown	1.000	2	3	9	144	
95	C2362-08 MJDX44D	Unknown	1.000	2	3	10	144	
96	C2362-09 MJDX44S	Unknown	1.000	2	3	11	144	
97	C2362-07LX5 MJDX44L	Unknown	1.000	2	3	12	144	
98	CCV	Unknown	1.000	2	4	1	144	
99	CCB	Unknown	1.000	2	4	2	144	6Li' = 130%.
100	C2362-16 MJDX53	Unknown	1.000	2	4	3	144	
101	C2377-05 MJDX65	Unknown	1.000	2	4	4	144	
102	C2377-06 MJDX65D	Unknown	1.000	2	4	5	144	
103	C2377-07 MJDX65S	Unknown	1.000	2	4	6	144	
104	C2377-05LX5 MJDX65L	Unknown	1.000	2	4	7	144	
105	C2377-08 MJDX66	Unknown	1.000	2	4	8	144	
106	C2377-09 MJDX67	Unknown	1.000	2	4	9	144	
107	C2377-10 MJDX70	Unknown	1.000	2	4	10	144	
108	ZZZZZZ	Unknown	1.000	2	4	11	144	
109	ZZZZZZ	Unknown	1.000	2	4	12	144	
110	CCV	Unknown	1.000	2	5	1	144	- 6Li' = 128%.
111	CCB	Unknown	1.000	2	5	2	144	- 6Li' = 134%.)

NEED RERUN FOR IS (6Li')

NEED RERUN DUE TO IS FAIL (6Li')

Need Rerun due to IS (6Li')

ICPMS-1 LOGBOOK

DATE	RUN ID	PROJECT #:	ANALYST	COMMENT
05/19/2011	LB55120	C2202, C2176, C2198, C2232, C2253		
—	—	C2228, C2233, C2171, C2144		
—	—	C2172		
05/23/2011	LB55178	C2255, C2258, C2257, C2274		
—	—	C2284, C2273, C2354, IDL STUDY		
05/24/2011	LB55178R	C2255, C2258, C2257, C2274, C2284		
—	—	C2273, C2354, C2329, C2283		
05/26/2011	LB55265	C2224, C2257, C2274, C2284, C2258		
—	—	C2255, C2329, C2344, C2283 Afonso		
—	—	IDL STUDY		
05/27/2011	LB56285	C2226, C2227, IDL STUDY		
05/31/2011	LB55303	C2304, C2309		
06/04/2011	LB55366	C2310, C2339, C2362, C2377		

6/5/11

CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

ICP-MS (P6) ANALYSIS RUN LOG

METHOD: ISM01.2/~~6020/200.8~~ 6/05/11 PROJECT No: C2310, C2339, C2362, C2377

RUN ID: LB55366R DATE: 06/05/2011 ANALYST: SJASWAL SUPERVISOR REVIEW: D. Lui

QC/SAMPLE ID	STANDARD SOURCE	STD. REF. No. from Prep. Log	PREP DATE	EXPIRATION DATE	COMMENTS
TUNE	INORGANIC VENTURES	MP7002	05/27/2011	06/10/2011	
S0	————	MP6991	05/27/2011	06/10/2011	
S1	INORGANIC VENTURES	MP7000	05/27/2011	06/10/2011	
S2	INORGANIC VENTURES	MP6996	05/27/2011	06/10/2011	
S3	INORGANIC VENTURES	MP6995	05/27/2011	06/10/2011	
S4	INORGANIC VENTURES	MP6994	05/27/2011	06/10/2011	
S5	INORGANIC VENTURES	MP6993	05/27/2011	06/10/2011	
ICV	EPA ICV-1(0307)	MP7009	05/27/2011	06/10/2011	
ICB	————	MP6991	05/27/2011	06/10/2011	
ICSA	EPA ICSA(0803	MP7005	05/27/2011	06/10/2011	
ICSAB	EPA ICSA(0803)+ ICSB(0803)	MP7006	05/27/2011	06/10/2011	
ICSAX10	————	MP7007	05/27/2011	06/10/2011	
ICSABX10	————	MP7008	05/27/2011	06/10/2011	
CCV	INORGANIC VENTURES	MP6997	05/27/2011	06/10/2011	
CCB	————	MP6991	05/27/2011	06/10/2011	

6/5/11

COMMENTS	SOURCE	INTERNAL STANDARD REF. NO. FROM PREP LOG, PREPARATION DATE AND EXPIRATION DATE
INTERNAL STANDARD SOURCE	INORGANIC VENTURES	INTERNAL STANDARD USED FOR THIS RUN:MP7010
		INTERNAL STANDARD PREPARATION DATE: 05/27/2011
		INTERNAL STANDARD EXPIRATION DATE: 06/10/2011
~~LCSW SOURCE~~	~~INORGANIC VENTURES~~	
LCSS SOURCE	INORGANIC VENTURES	

ANALYSIS START TIME: 02:52PM DATE: 06/05/2011 ANALYSIS END TIME: 09:58 PM DATE: 06/05/2011

ICPMS-1 LOGBOOK

DATE	RUN ID	PROJECT #:	ANALYST	COMMENT
05/19/2011	LB55120	C2202, C2176, C2198, C2232, C2253		
—	—	C2228, C2233, C2171, C2144		
—	—	C2172		
05/23/2011	LB55178	C2255, C2258, C2257, C2274		
—	—	C2284, C2273, C2354, IDL STUDY		
05/24/2011	LB55178R	C2255, C2258, C2257, C2274, C2284		
—	—	C2273, C2354, C2329, C2283		
05/26/2011	LB55265	C2224, C2257, C2274, C2284, C2258		
—	—	C2255, C2329, C2344, C2283 Aroclors		
—	—	IDL STUDY		
05/27/2011	LB56285	C2226, C2227, IDL STUDY		
05/31/2011	LB55303	C2304, C2309		
06/04/2011	LB55366	C2310, C2339, C2362, C2377		
06/05/2011	LB55366R	C2310, C2339, C2362, C2377		

06/06/11

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP6991	05/27/2011	06/10/2011	jaswal

FROM 10.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M1854) + 1970.00000ml of DI Water(W1152) + 20.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1870) = Final Quantity: 2000.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
870	ICPMS SPIKE SOL.B	MP6992	05/27/2011	06/10/2011	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)(MP6991) = Final Quantity: 50.000 ml

CHEMTECH
234, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1426	S5 ICPMS ISM01.2	MP6993	05/27/2011	06/10/2011	jaswal

FROM 0.10000ml of BORON 125mL 1000ug/mL(M1432) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.10000ml of MOLYBDENUM 125mL 1000ug/mL(M1661) + 0.10000ml of SILICON 125mL 1000ug/mL(M1666) + 0.10000ml of Thorium 1000 ug/ml(M1670) + 0.10000ml of TIN/HCL 125mL 1000ug/mL(M1667) + 0.10000ml of TITANIUM 125mL 1000ug/mL(M1663) + 0.10000ml of Uranium 1000 ug/ml(M1677) + 0.10000ml of ZINC 125mL 1000ug/mL(M1668) + 0.19000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.20000ml of Phosphorus, 125 ml, 10000 ug/ml(M1551) + 0.40000ml of BARIUM 125mL 1000ug/mL(M1659) + 0.49000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 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(M1812) + 88.46000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1427	S4 ICPMS ISM01.2	MP6994	05/27/2011	06/10/2011	jaswal

FROM 25.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) + 25.00000ml of S5 ICPMS ISM01.2(MP6993) = Final Quantity: 50.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1642	S3 ICPMS(ISM01.2)	MP6995	05/27/2011	06/10/2011	jaswal

FROM 2.50000ml of S5 ICPMS ISM01.2(MP6993) + 47.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP6991) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1429	S2 ICPMS ISM01.2	MP6996	05/27/2011	06/10/2011	jaswal

FROM 43.75000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) + 6.25000ml of S5 ICPMS ISM01.2(MP6993) = Final Quantity: 50.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1430	CCV ICPMS ISM01.2	MP6997	05/27/2011	06/10/2011	jaswal

FROM 0.25000ml of BORON 125mL 1000ug/mL(M1432) + 0.25000ml of COPPER 125mL 1000ug/mL(M1657) + 0.25000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.25000ml of MOLYBDENUM 125mL 1000ug/mL(M1661) + 0.25000ml of SILICON 125mL 1000ug/mL(M1666) + 0.25000ml of Thorium 1000 ug/ml(M1670) + 0.25000ml of TIN/HCL 125mL 1000ug/mL(M1667) + 0.25000ml of TITANIUM 125mL 1000ug/mL(M1663) + 0.25000ml of Uranium 1000 ug/ml(M1677) + 0.25000ml of ZINC 125mL 1000ug/mL(M1668) + 0.47500ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.50000ml of Phosphorus, 125 ml, 10000 ug/ml(M1551) + 1.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.22500ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 1.22500ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 12.50000ml of Calibration Standard Method 6020(M1812) + 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) + 473.15000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1125	SOL C(100PPM) ISM01.2	MP6998	05/27/2011	06/10/2011	jaswal

FROM 2.50000ml of CHEM-CLP-4/.25L(M1866) + 22.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP6991) = Final Quantity: 25.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1120	ICPMS ISM01.2 S1(CONC.)	MP6999	05/27/2011	06/10/2011	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(M1598) + 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 THALLIUM 125mL 1000ug/mL(M1676) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 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(M1668) + 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, Fe, 125 ml, 10,000 ug/ml(M1357) + 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) + 0.25000ml of SOL C(100PPM) ISM01.2(MP6998) + 236.80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1130	ICPMS ISM01.2 S1	MP7000	05/27/2011	06/10/2011	jaswal

FROM 0.25000ml of ICPMS ISM01.2 S1(CONC)(MP6999) + 49.75000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 50.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1135	MG 10PPM ILM05.4 FOR TUNE	MP7001	05/27/2011	06/10/2011	jaswal

FROM 0.10000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 99.90000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1172	TUNE SOL 100PPB ICPMS	MP7002	05/27/2011	06/10/2011	jaswal

FROM 1.00000ml of TUNE-A,(M1518) + 1.00000ml of MG 10PPM ILM05.4 FOR TUNE(MP7001) + 98.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

CHEMTECH
284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1174	TUNE SOL 10PPB ICPMS	MP7003	05/27/2011	06/10/2011	jaswal

FROM 0.10000ml of TUNE-A,(M1518) + 0.10000ml of MG 10PPM ILM05.4 FOR TUNE(MP7001) + 99.80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1140	TUNE SOL 200PPB XCAL	MP7004	05/27/2011	06/10/2011	jaswal

FROM 2.00000ml of Tune D25 Cross Cal Solution, 10 PPM(M1710) + 98.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1142	ICSA ICPMS	MP7005	05/27/2011	06/10/2011	jaswal

FROM 5 00000ml of ICSA (ICPMS) STOCK SOLN(M1441) + 45 00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 50 000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1143	ICSAB ICPMS	MP7006	05/27/2011	06/10/2011	jaswal

FROM 5 00000ml of ICSA (ICPMS) STOCK SOLN(M1441) + 5 00000ml of ICSB (ICPMS) STOCK SOLUTION(M1461) + 40 00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 50 000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1165	ICSAX10	MP7007	05/27/2011	06/10/2011	jaswal

FROM 2 50000ml of ICSA ICPMS(MP7005) + 22 50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 25 000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1166	ICSABX10	MP7008	05/27/2011	06/10/2011	jaswal

FROM 2 50000ml of ICSAB ICPMS(MP7006) + 22 50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 25.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1575	ICV ISM01.2 MS	MP7009	05/27/2011	06/10/2011	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 (M1580) + 48.97500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
857	ICPMS INT. STANDARD	MP7010	05/27/2011	06/10/2011	jaswal

FROM 2450.00000ml of DI Water(W1152) + 25.00000ml of 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y(M1697) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1870) = Final Quantity: 2500.000 ml

CHEMTECH
284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1741	S1(CONC)-MA2068	MP7011	05/27/2011	06/10/2011	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(M1598) + 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 THALLIUM 125mL 1000ug/mL(M1676) + 0 10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 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(M1668) + 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, Fe, 125 ml, 10,000 ug/ml(M1357) + 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) + 0 25000ml of SOL C(100PPM) ISM01 2(MP6998) + 236 82800ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 250 000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1742	S1-MA2068	MP7012	05/27/2011	06/10/2011	jaswal

FROM 0 50000ml of S1(CONC)-MA2068(MP7011) + 99 50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP6991) = Final Quantity: 100 000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
864	ICPMS RINSE SOL	MP7013	05/27/2011	06/10/2011	jaswal

FROM 1950 00000ml of DI Water(W1152) + 50 00000ml of Nitric Acid, Instra-Analyzed (cs/4x2 5L)(M1870) =
Final Quantity: 2000 000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
864	ICPMS RINSE SOL	MP7014	05/27/2011	06/10/2011	jaswal

FROM 1950 00000ml of DI Water(W1152) + 50 00000ml of Nitric Acid, Instra-Analyzed (cs/4x2 5L)(M1870) =
Final Quantity: 2000.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP6991	05/27/2011	06/10/2011	jaswal

FROM 10.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2 5L)(M1854) + 1970.00000ml of DI Water(W1152) + 20.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1870) = Final Quantity: 2000.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
870	ICPMS SPIKE SOL B	MP6992	05/27/2011	06/10/2011	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)(MP6991) = Final Quantity: 50.000 ml

CHEMTECH

234, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1426	S5 ICPMS ISM01.2	MP6993	05/27/2011	06/10/2011	jaswal

FROM 0.10000ml of BORON 125mL 1000ug/mL(M1432) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.10000ml of MOLYBDENUM 125mL 1000ug/mL(M1661) + 0.10000ml of SILICON 125mL 1000ug/mL(M1666) + 0.10000ml of Thorium 1000 ug/ml(M1670) + 0.10000ml of TIN/HCL 125mL 1000ug/mL(M1667) + 0.10000ml of TITANIUM 125mL 1000ug/mL(M1663) + 0.10000ml of Uranium 1000 ug/ml(M1677) + 0.10000ml of ZINC 125mL 1000ug/mL(M1668) + 0.19000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0.20000ml of Phosphorus, 125 ml, 10000 ug/ml(M1551) + 0.40000ml of BARIUM 125mL 1000ug/mL(M1659) + 0.49000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 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(M1812) + 88.46000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1427	S4 ICPMS ISM01.2	MP6994	05/27/2011	06/10/2011	jaswal

FROM 25.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) + 25.00000ml of S5 ICPMS ISM01.2(MP6993) = Final Quantity: 50.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1642	S3 ICPMS(ISM01.2)	MP6995	05/27/2011	06/10/2011	jaswal

FROM 2.50000ml of S5 ICPMS ISM01.2(MP6993) + 47.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP6991) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1429	S2 ICPMS ISM01.2	MP6996	05/27/2011	06/10/2011	jaswal

FROM 43.75000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) + 6.25000ml of S5 ICPMS ISM01.2(MP6993) = Final Quantity: 50.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1430	CCV ICPMS ISM01 2	MP6997	05/27/2011	06/10/2011	jaswal

FROM 0 25000ml of BORON 125mL 1000ug/mL(M1432) + 0 25000ml of COPPER 125mL 1000ug/mL(M1657) + 0 25000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0 25000ml of MOLYBDENUM 125mL 1000ug/mL(M1661) + 0 25000ml of SILICON 125mL 1000ug/mL(M1666) + 0 25000ml of Thorium 1000 ug/ml(M1670) + 0 25000ml of TIN/HCL 125mL 1000ug/mL(M1667) + 0 25000ml of TITANIUM 125mL 1000ug/mL(M1663) + 0 25000ml of Uranium 1000 ug/ml(M1677) + 0 25000ml of ZINC 125mL 1000ug/mL(M1668) + 0 47500ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 0 50000ml of Phosphorus, 125 ml, 10000 ug/ml(M1551) + 1 00000ml of BARIUM 125mL 1000ug/mL(M1659) + 1 22500ml of Iron, Fe, 125 ml, 10,000 ug/ml(M1357) + 1 22500ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 12 50000ml of Calibration Standard Method 6020(M1812) + 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) + 473 15000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1125	SOL C(100PPM) ISM01 2	MP6998	05/27/2011	06/10/2011	jaswal

FROM 2 50000ml of CHEM-CLP-4/.25L(M1866) + 22 50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP6991) = Final Quantity: 25 000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1120	ICPMS ISM01.2 S1(CONC.)	MP6999	05/27/2011	06/10/2011	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(M1598) + 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 THALLIUM 125mL 1000ug/mL(M1676) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 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(M1668) + 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, Fe, 125 ml, 10,000 ug/ml(M1357) + 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) + 0.25000ml of SOL C(100PPM) ISM01.2(MP6998) + 236.80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1130	ICPMS ISM01.2 S1	MP7000	05/27/2011	06/10/2011	jaswal

FROM 0.25000ml of ICPMS ISM01.2 S1(CONC.)(MP6999) + 49.75000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 50.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1135	MG 10PPM ILM05.4 FOR TUNE	MP7001	05/27/2011	06/10/2011	jaswal

FROM 0 10000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 99.90000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100 000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1172	TUNE SOL 100PPB ICPMS	MP7002	05/27/2011	06/10/2011	jaswal

FROM 1 00000ml of TUNE-A,(M1518) + 1.00000ml of MG 10PPM ILM05 4 FOR TUNE(MP7001) + 98 00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

CHEMTECH
284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1174	TUNE SOL 10PPB ICPMS	MP7003	05/27/2011	06/10/2011	jaswal

FROM 0.10000ml of TUNE-A,(M1518) + 0.10000ml of MG 10PPM ILM05.4 FOR TUNE(MP7001) + 99.80000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1140	TUNE SOL 200PPB XCAL	MP7004	05/27/2011	06/10/2011	jaswal

FROM 2.00000ml of Tune D25 Cross Cal Solution, 10 PPM(M1710) + 98.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 100.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1142	ICSA ICPMS	MP7005	05/27/2011	06/10/2011	jaswal

FROM 5 00000ml of ICSA (ICPMS) STOCK SOLN(M1441) + 45 00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 50 000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1143	ICSAB ICPMS	MP7006	05/27/2011	06/10/2011	jaswal

FROM 5 00000ml of ICSA (ICPMS) STOCK SOLN(M1441) + 5 00000ml of ICSB (ICPMS) STOCK SOLUTION(M1461) + 40.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 50 000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1165	ICSAX10	MP7007	05/27/2011	06/10/2011	jaswal

FROM 2.50000ml of ICSA ICPMS(MP7005) + 22.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 25.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1166	ICSABX10	MP7008	05/27/2011	06/10/2011	jaswal

FROM 2.50000ml of ICSAB ICPMS(MP7006) + 22.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 25.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1575	ICV ISM01.2 MS	MP7009	05/27/2011	06/10/2011	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 (M1580) + 48.97500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
857	ICPMS INT STANDARD	MP7010	05/27/2011	06/10/2011	jaswal

FROM 2450 00000ml of DI Water(W1152) + 25 00000ml of 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y(M1697) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1870) = Final Quantity: 2500.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1741	S1(CONC)-MA2068	MP7011	05/27/2011	06/10/2011	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(M1598) + 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 THALLIUM 125mL 1000ug/mL(M1676) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1356) + 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(M1668) + 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, Fe, 125 ml, 10,000 ug/ml(M1357) + 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) + 0.25000ml of SOL.C(100PPM) ISM01.2(MP6998) + 236.82800ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6991) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1742	S1-MA2068	MP7012	05/27/2011	06/10/2011	jaswal

FROM 0.50000ml of S1(CONC)-MA2068(MP7011) + 99.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP6991) = Final Quantity: 100.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
864	ICPMS RINSE SOL	MP7013	05/27/2011	06/10/2011	jaswal

FROM 1950 00000ml of DI Water(W1152) + 50 00000ml of Nitric Acid, Instra-Analyzed (cs/4x2 5L)(M1870) =
Final Quantity: 2000.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
864	ICPMS RINSE SOL	MP7014	05/27/2011	06/10/2011	jaswal

FROM 1950 00000ml of DI Water(W1152) + 50 00000ml of Nitric Acid, Instra-Analyzed (cs/4x2 5L)(M1870) =
Final Quantity: 2000.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1120	ICPMS ISM01.2 S1(CONC.)	MP6828	05/12/2011	05/27/2011	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(M1598) + 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 THALLIUM 125mL 1000ug/mL(M1676) + 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(M1668) + 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, Fe, 125 ml, 10,000 ug/ml(M1357) + 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) + 2.50000ml of NEW 100PPM FOR-S1 ICPMS(MP6827) + 235.30000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6820) = Final Quantity: 250.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
870	ICPMS SPIKE SOL.B	MP6821	05/12/2011	05/27/2011	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)(MP6820) = Final Quantity: 50.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1120	ICPMS ISM01.2 S1(CONC.)	MP6828	05/12/2011	05/27/2011	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(M1598) + 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 THALLIUM 125mL 1000ug/mL(M1676) + 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(M1668) + 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, Fe, 125 ml, 10,000 ug/ml(M1357) + 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) + 2.50000ml of NEW 100PPM FOR-S1 ICPMS(MP6827) + 235.30000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP6820) = Final Quantity: 250.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
870	ICPMS SPIKE SOL B	MP6821	05/12/2011	05/27/2011	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)(MP6820) = Final Quantity: 50.000 ml

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R! 11/29/2010 , M1657

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL 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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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** **1,000 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

CERTIFICATE OF ANALYSIS

1.0 INORGANIC VENTURES is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Manganese in 3% (v/v) HNO3**

Catalog Number:	CGMN1-1, CGMN1-2, and CGMN1-5
Lot Number:	**D2-MN02079**
Starting Material:	Mn pieces
Starting Material Purity (%):	99.990792
Starting Material Lot No:	R806MNA1
Matrix:	3% (v/v) HNO3

M1656

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,004 ± 3 µg/mL

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 $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/4}}{(n)^{3/4}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 **1,005 ± 4 µg/mL**
ICP Assay NIST SRM 3132 Lot Number: 050429

Assay Method #2 **1,004 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

INORGANIC™ VENTURES
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1668

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 850.02

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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**997 ± 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

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 06/04/2010 M1356

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **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

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\left[(\Sigma s_i)^2\right]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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 **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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R', 10/07/2010 , M1551

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Phosphorus in H2O**

Catalog Number:	CGP10-1, CGP10-2, and CGP10-5
Lot Number:	**D2-P02026**
Starting Material:	H3PO4
Starting Material Purity (%):	99.999983
Starting Material Lot No:	C23813
Matrix:	H2O

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 9,997 ± 43 µg/mL (avg. of 2 methods)

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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/4}}{(n)^{1/4}}$

($\bar{x}$) = 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** **9,986 ± 66 µg/mL**
ICP Assay NIST SRM 3139a Lot Number: 060717

Assay Method #2 **10,007 ± 20 µg/mL**
Acidimetric NIST SRM 84k Lot Number: 84k

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1659

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory: Certificate 883.01

ACCREDITED Reference Material Producer: Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Barium in 0.1% (v/v) HNO3**

Catalog Number:	CGBA1-1, CGBA1-2, and CGBA1-5
Lot Number:	**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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

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** **1,002 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 06/04/2010 M1357

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

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 663.01 · ACCREDITED Reference Material Producer Certificate 663.02

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)

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** **10,130 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R : 11/29/2010 M1679

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Potassium in 2% (v/v) HNO3**

Catalog Number:	CGK10-1, CGK10-2, and CGK10-5
Lot Number:	**D2-K03011**
Starting Material:	KNO3
Starting Material Purity (%):	99.998079
Starting Material Lot No:	B19P01
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,029 ± 24 µg/mL

Certified Density: 1.024 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

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\left[(\Sigma s_i)^2\right]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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** **9,984 ± 49 µg/mL**
ICP Assay NIST SRM 3141a Lot Number: 051220

Assay Method #2 **10,029 ± 24 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

INORGANIC VENTURES™
300 Technology Drive
Christiansburg VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 04/15/2011 M1824

tel: 800 669 6799 • 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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)

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

INORGANIC VENTURES
300 Technology Drive
Christiansburg VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R : 04/15/2011 M1825

tel: 800 669 6799 • 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

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 863.01 ACCREDITED Reference Material Producer Certificate 863.02

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:	**D2-MG03095**
Starting Material:	Mg metal
Starting Material Purity (%):	99.999300
Starting Material Lot No:	1484
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 9,979 ± 46 µg/mL- weighted mean

Certified Density: 1.053 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

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** **9,986 ± 33 µg/mL**
ICP Assay NIST SRM 3131a Lot Number: 050302

Assay Method #2 **9,969 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1669

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

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 863.01 ACCREDITED Reference Material Producer Certificate 863.02

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:	**D2-NA03080**
Starting Material:	Na2CO3
Starting Material Purity (%):	99.997120
Starting Material Lot No:	C18157
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 10,039 ± 19 µg/mL

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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\left[(\Sigma s_i)^2\right]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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 **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** **10,072 ± 41 µg/mL**
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 **10,039 ± 19 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

INORGANIC VENTURES
300 Technology Drive
Christiansburg VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 05/09/2011, M1859

tel: 800 669 6799 • 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL 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

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties" (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified

4.1 **Assay Method #1** **1,008 ± 5 µg/mL**
ICP Assay NIST SRM 3102A Lot Number: 061229

INORGANIC™ VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures com

CERTIFICATE OF ANALYSIS

tel: 800 669 6799 540.585.3030
fax: 540 585 3012
info@inorganicventures com

R: 03/11/11

M1812

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories "

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: 6020CAL-1

Lot Number **D2-MEB335101**

Matrix: tr HF, 5% HNO3(v/v)

20 00 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

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)

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1673

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Arsenic in 2% (v/v) HNO3**

Catalog Number:	CGAS1-1, CGAS1-2, and CGAS1-5
Lot Number:	**D2-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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{X}$) = 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)

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

INORGANIC™ VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1671

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL 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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = 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** **1,004 ± 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

CERTIFICATE OF ANALYSIS

R: 11/29/2010

tel: 800.669.6779 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

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 825.01

ACCREDITED Reference Material Producer Certificate 825.02

M1672

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Cadmium in 3% (v/v) HNO3**

Catalog Number:	CGCD1-1, CGCD1-2, and CGCD1-5
Lot Number:	**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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

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** **1,002 ± 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

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1665

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

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 683.01 ACCREDITED Reference Material Producer Certificate 683.02

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 $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,003 ± 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

INORGANIC™ VENTURES
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 10/14/2010 M1598

tel: 800 669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

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 693.01 — ACCREDITED Reference Material Producer Certificate 693.02

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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,003 ± 3 µg/mL**
ICP Assay NIST SRM 3128 Lot Number: 030721

Assay Method #2 **1,009 ± 2 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1655

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001:2000 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories "

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL 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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = 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 **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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R! 11/29/2010 M1675

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Silver in 5% (v/v) HNO3**

Catalog Number:	CGAG1-1, CGAG1-2, and CGAG1-5
Lot Number:	**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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = 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** **1,002 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1676

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Thallium in 0.7% (v/v) HNO3**

Catalog Number:	CGTL1-1, CGTL1-2, and CGTL1-5
Lot Number:	**D2-TL01111**
Starting Material:	TlNO3
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**

- "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** **1,000 ± 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

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R : 06/04/2010 M1356

tel: 800 669 6799 · 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = 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** **9,997 ± 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

INORGANIC™ VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 07/26/2010 M1466

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001:2000 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Antimony in HF in 2% v/v HNO3 / tr. HF**

Catalog Number:	CGSBF1-1, CGSBF1-2, and CGSBF1-5
Lot Number:	**C2-SB02120**
Starting Material	Sb shot
Starting Material Purity (%):	99.999512
Starting Material Lot No:	D29N32
Matrix:	2% v/v HNO3 / tr. HF

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 993 ± 3 µg/mL

Certified Density: 1.010 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = 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 **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** **993 ± 3 µg/mL (avg. of 2 runs)**
ICP Assay NIST SRM 3102A Lot Number: 061229

Assay Method #2 **1000 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

INORGANIC™ VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1662

tel: 800.669.6799 : 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL 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.

$$\text{Certified Value } (\bar{X}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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)

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** **1,000 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1657

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL 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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = 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)

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** **1,000 ± 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

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1668

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0	**DESCRIPTION OF CRM**	**1000 µg/mL 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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	**Assay Method #1**	**997 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1660

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL 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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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)

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** **1,004 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1674

tel: 800.669.6799 · 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories "

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Vanadium in 2% (v/v) HNO3**

Catalog Number:	CGV1-1, CGV1-2, and CGV1-5
Lot Number:	**D2-V02065**
Starting Material:	V2O5
Starting Material Purity (%):	99.990563
Starting Material Lot No:	46
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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

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** **1,007 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1659

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0	**DESCRIPTION OF CRM**	**1000 µg/mL Barium in 0.1% (v/v) HNO3**
	Catalog Number:	CGBA1-1, CGBA1-2, and CGBA1-5
	Lot Number:	**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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

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**	**1,002 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 06/04/2010 M1357

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

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 663.01

ACCREDITED Reference Material Producer Certificate 663.02

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)

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** **10,130 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1679

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Potassium in 2% (v/v) HNO3**

Catalog Number:	CGK10-1, CGK10-2, and CGK10-5
Lot Number:	**D2-K03011**
Starting Material:	KNO3
Starting Material Purity (%):	99.998079
Starting Material Lot No:	B19P01
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,029 ± 24 µg/mL

Certified Density: 1.024 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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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** **9,984 ± 49 µg/mL**
ICP Assay NIST SRM 3141a Lot Number: 051220

Assay Method #2 **10,029 ± 24 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

INORGANIC™ VENTURES
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1669

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

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 863.01 — ACCREDITED Reference Material Producer Certificate 863.02

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:	**D2-NA03080**
Starting Material:	Na2CO3
Starting Material Purity (%):	99.997120
Starting Material Lot No:	C18157
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 10,039 ± 19 µg/mL

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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = 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** **10,072 ± 41 µg/mL**
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 **10,039 ± 19 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 08/30/10

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

M1518

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001:2000 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** Custom Solution

Catalog No.: IV-STOCK-12

Lot Number: **C2-MEB313146MCA**

Matrix: 5% HNO3(v/v)

10 00 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	10.02 ± 0.02 µg/mL	Beryllium, Be	10.04 ± 0.03 µg/mL	Bismuth, Bi	10.02 ± 0 03 µg/mL
Cerium, Ce	10.02 ± 0.03 µg/mL	Cobalt, Co	10.03 ± 0.02 µg/mL	Indium, In	10.02 ± 0 05 µg/mL
Lead, Pb	10.01 ± 0.04 µg/mL	Lithium, Li	10.02 ± 0.06 µg/mL	Nickel, Ni	10.03 ± 0.02 µg/mL
Uranium, U	10.02 ± 0.03 µg/mL				

Certified Density: 1.026 g/mL (measured at 22° 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.)

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	99.8 ± 0 1
235U	0.25 ± 0 05

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties" (ISO VIM, 2nd ed , 1993, definition 6 10) This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 12/10/2010 M1697

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories "

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No : 6020ISS

Lot Number: **D2-MEB324021**

Matrix: 7% HNO3(v/v)

10.00 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 Lithium, Li6	10 01 ± 0 02 µg/mL	Bismuth, Bi	10.01 ± 0.02 µg/mL	Holmium, Ho	10 01 ± 0.04 µg/mL
Indium, In	10 01 ± 0.02 µg/mL	Rhodium, Rh	10.00 ± 0.04 µg/mL	Scandium, Sc	10 01 ± 0 02 µg/mL
Terbium, Tb	10.00 ± 0.02 µg/mL	Yttrium, Y	9 99 ± 0.02 µg/mL		

Certified Density: 1 033 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 6Li in this standard is enhanced. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

Isotope	Atom%
Lithium Li6	95.9 ± 0.3
Li7	4 1 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R! 05/09/2011 M1857

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** 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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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)

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 05/09/2011 M1861

tel: 800 669 6799 540 585.3030
fax: 540 585 3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001:2000 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** 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

"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

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures com

CERTIFICATE OF ANALYSIS

R: 06/04/2010

tel: 800 669 6799 540 585 3030
fax: 540 585 3012
info@inorganicventures com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001:2000 registered manufacturer Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Boron in H2O**

Catalog Number:	CGB1-1, CGB1-2, and CGB1-5
Lot Number:	**C2-B02083**
Starting Material:	H3BO3
Starting Material Purity (%):	99 999998
Starting Material Lot No:	OV0133
Matrix	H2O

~~M1362~~ M1432 of 7/19/10

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 998 ± 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 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 3107 Lot Number: 070514

Assay Method #2 **1,001 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec 4 2

INORGANIC VENTURES
300 Technology Drive
Christiansburg VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R! 11/29/2010 M1670

tel 800-669-6799 • 540 585 3030
fax 540 585 3012
info@inorganicventures.com

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 663.01

ACCREDITED Reference Material Producer Certificate 663.02

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 $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{3/4}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6 10)

This product is Traceable to NIST via an unbroken chain of comparisons The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors In rare cases where no NIST SRMs are available, the term 'in-house std ' is specified

4.1 **Assay Method #1** **1,002 ± 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

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R'. 11/29/2010 M1677

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

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 863.01 ACCREDITED Reference Material Producer Certificate 863.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Uranium in 2% (v/v) HNO3**

Catalog Number:	CGU1-1, CGU1-2, and CGU1-5
Lot Number:	**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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Certified Abundance: The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

Isotope	Atom%
Uranium 238U	99.7 ± 0.1
235U	0.29 ± 0.05

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties " (ISO VIM, 2nd ed , 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R'. 06/04/2010 M1360

tel: 800.669.6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Second Source Solution

Catalog No: CHEM-QC-4

Lot Number: **A2-MEB243011**

Matrix: 0.17% HF(abs), 2% HNO3(abs)

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility

1,000.00 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 ± 6 µg/mL	Molybdenum, Mo	1,001 ± 4 µg/mL	Silicon, Si	1,000 ± 2 µg/mL
Tin, Sn	1,000 ± 3 µg/mL	Titanium, Ti	1,002 ± 4 µg/mL		

Certified Density: 1.031 g/mL (measured at 20 ± 1° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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)

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.

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R: 11/29/2010 M1677

tel: 800 669 6799 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

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 863.01 ACCREDITED Reference Material Producer Certificate 863.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Uranium in 2% (v/v) HNO3**

Catalog Number:	CGU1-1, CGU1-2, and CGU1-5
Lot Number:	**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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Certified Abundance: The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

Isotope	Atom%
Uranium 238U	99.7 ± 0.1
235U	0.29 ± 0.05

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

INORGANIC VENTURES™
300 Technology Drive
Christiansburg VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

R1. 11/29/2010 M1670

tel 800-669-6799 • 540 585 3030
fax: 540 585 3012
info@inorganicventures.com

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 860.01 ACCREDITED Reference Material Producer Certificate 063.02

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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{3/4}}$

($\bar{x}$) = 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** **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

R : 07/16/2010

M1441

QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE FOR ICP-MS
PART A (0803) WITH PART B (0803)

Preparation and analysis must be performed according to the following instructions:

Part A (0803), Inferferents: Pipet 10 mL of the Part A solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution, Soln. A, by ICP-MS

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution, Soln. AB, by ICP-MS.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

Element	Concentration (µg/L) Part A	Concentration (µg/L) Part A + Part B
Al	[100000]	[100000]
Sb	(1.5)	22
As	(0.1)	19
Ba	(1.2)	22
Be	(0)	19
Cd	(0.7)	20
Ca	[100000]	[100000]
C	[200000]	[200000]
Cl	[1000000]	[1000000]
Cr	21	40
Co	1	20
Cu	8	25
Fe	[100000]	[100000]
Pb	4	25
Mg	[100000]	[100000]
Mn	7	27
Mo	[2000]	[2000]
Ni	6	24
P	[100000]	[100000]
K	[100000]	[100000]
Se	(0.3)	19
Ag	(0)	18
Na	[100000]	[100000]
S	[100000]	[100000]
Tl	(0)	21
Ti	[2000]	[2000]
V	(0.5)	19
Zn	11	29

[ ] Indicates analytes that do not require ICP-MS determination in the ICS

( ) Indicates analyte values that are less than the CRQL and the value is to be used as a set point for the ± 3 times CRQL acceptance criteria calculations

R: 07/16/2010, M1461

QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE FOR ICP-MS
PART A (0803) WITH PART B (0803)

Preparation and analysis must be performed according to the following instructions

Part A (0803), Inferferents: Pipet 10 mL of the Part A solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution, Soln. A, by ICP-MS

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution, Soln. AB, by ICP-MS.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

Element	Concentration (µg/L) Part A	Concentration (µg/L) Part A + Part B
Al	[100000]	[100000]
Sb	(1.5)	22
As	(0.1)	19
Ba	(1.2)	22
Be	(0)	19
Cd	(0.7)	20
Ca	[100000]	[100000]
C	[200000]	[200000]
Cl	[1000000]	[1000000]
Cr	21	40
Co	1	20
Cu	8	25
Fe	[100000]	[100000]
Pb	4	25
Mg	[100000]	[100000]
Mn	7	27
Mo	[2000]	[2000]
Ni	6	24
P	[100000]	[100000]
K	[100000]	[100000]
Se	(0.3)	19
Ag	(0)	18
Na	[100000]	[100000]
S	[100000]	[100000]
Tl	(0)	21
Ti	[2000]	[2000]
V	(0.5)	19
Zn	11	29

[ ] Indicates analytes that do not require ICP-MS determination in the ICS

( ) Indicates analyte values that are less than the CRQL and the value is to be used as a set point for the ± 3 times CRQL acceptance criteria calculations

Thermo SCIENTIFIC

www.thermo.com

R: 12/30/10

M1710

Tune D25 Cross Cal Solution

Catalog Number: 1600636
Lot Number: L01008
Job Number: J00011929
Lot Issue Date: 08/30/2010
Expiration Date: 09/30/2012

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within ± 5 0%, when compared to calibration standards independently prepared using NIST SRM(s) The certified value and uncertainty value for each analyte is determined gravimetrically

Analyte	True Value	Analytical Method	NIST SRM
aluminum	10 00 ± 0.05 mg/L	ICP / ICP-MS	3101a
arsenic	10.00 ± 0.05 mg/L	ICP / ICP-MS	3103a
barium	10 00 ± 0 05 mg/L	ICP / ICP-MS	3104a
beryllium	10.00 ± 0 05 mg/L	ICP / ICP-MS	3105a
calcium	10 00 ± 0.05 mg/L	ICP / ICP-MS	3109a
cadmium	10 00 ± 0 05 mg/L	ICP / ICP-MS	3108
cobalt	10.00 ± 0 05 mg/L	ICP / ICP-MS	3113
chromium	10 00 ± 0 05 mg/L	ICP / ICP-MS	3112a
copper	10 00 ± 0.05 mg/L	ICP / ICP-MS	3114
iron	10.00 ± 0.05 mg/L	ICP / ICP-MS	3126a
lead	10.00 ± 0 05 mg/L	ICP / ICP-MS	3128
magnesium	10 00 ± 0 05 mg/L	ICP / ICP-MS	3131a
manganese	10 00 ± 0.05 mg/L	ICP / ICP-MS	3132
molybdenum	10.00 ± 0 05 mg/L	ICP / ICP-MS	3134
nickel	10 00 ± 0 05 mg/L	ICP / ICP-MS	3136
potassium	10.00 ± 0.05 mg/L	ICP / ICP-MS	3141a
selenium	10.00 ± 0 05 mg/L	ICP / ICP-MS	3149
sodium	10 00 ± 0.05 mg/L	ICP / ICP-MS	3152a
thallium	10.00 ± 0.05 mg/L	ICP / ICP-MS	3158
* vanadium	10.00 ± 0.05 mg/L	ICP / ICP-MS	3165
zinc	10 00 ± 0 05 mg/L	ICP / ICP-MS	3168a
indium	10 00 ± 0 05 mg/L	ICP / ICP-MS	3124a
lithium	10.00 ± 0 05 mg/L	ICP / ICP-MS	3129a
uranium	10.00 ± 0.05 mg/L	ICP / ICP-MS	3164

Matrix: 5% nitric acid in low TOC water (< 50 ppb)

* light sensitive

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAgrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Prepared by ULTRA Scientific for Thermo Scientific
For Material Safety Data Sheets (MSDS), visit www.ultrasci.com

R: 9/8/10

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

M1573 → M1582

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

9/8/10

IS M01.2

ICP - MS

CHEMTECH

Water Sample Preparation Sheet

C2339

PrepBatch ID :	PB55605	Batch#	PB55605
SDG No :		ICP Digest Date:	5/27/11 Time : 1.00 P.M.
Matrix :	Water	Sample Received By :	[signature]
Method :	MIS M01.2 - Metals ICPMS-02	Dig Technician Signature:	Nancy Patel. Ronald.
Initial Volume :	50 ML	Supervisor Signature:	[signature]
Final Volume :	50 ML	Prep Code:	~~CW1~~ 5/27/11 MP
Hot Plate Temp :	1. 95°C 2. 3.		End time. 4.30 P.M.

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	0.50 ML	MP6828
Spike Sol. B	0.50 ML	MP6821
	5/27/11 MP	

Chemical Used	Lot Number
1:1 HNO3	MP6892
1:1 HCL	MP6727
	5/27/11 MP

Date / Time	Received By	Relinquished By	Location
5/27/11 / 16:30	[signature]	Nancy Patel	ICP-Lab.
	Analysis Group	Digestion Group	
	DR, JS, PM	NP, PM, RD	

CHEMTECH **Water Sample Preparation Sheet** **PrepBatch ID :** **PB55605**

Lab Sample ID	Customer Sample Number	Color Before	Color After	Clarity Before	Clarity After	PH	Comments
C2339-01	MF4Q23	C	C	CL	CL	<2	
C2339-02	MF4Q19	C	C	CL	CL	<2	
C2339-03	MF4Q26	C	C	CL	CL	<2	
C2339-04	MF4Q27	C	C	CL	CL	<2	
C2339-05	MF4Q28	C	C	CL	CL	<2	
C2339-06	MF4Q30	C	C	CL	CL	<2	
C2339-07	MF4Q31	C	C	CL	CL	<2	
C2339-08	MF4Q60	C	C	CL	CL	<2	
C2339-09	MF4Q13	C	C	CL	CL	<2	
C2339-10	MF4Q22	C	C	CL	CL	<2	
C2339-11	MF4Q22D	C	C	CL	CL	<2	5/27/11
C2339-12	MF4Q22S	C	C	CL	CL	<2	Spk-Sol. B
C2339-13	MF4Q17	C	C	CL	CL	<2	
C2339-14	MF4Q20	C	C	CL	CL	<2	
C2339-15	MF4Q21	C	C	CL	CL	<2	
C2339-16	MF4Q24	C	C	CL	CL	<2	
C2339-17	MF4Q25	C	C	CL	CL	<2	
C2339-18	MF4Q29	C	C	CL	CL	<2	
C2339-19	MF4Q58	C	C	CL	CL	<2	
C2339-20	MF4Q59	C	C	CL	CL	<2	
PB55605BL	~~PB55605BL~~ P13W	C	C	CL	CL	<2	5/27/11
PB55605BS	~~PB55605BS~~ LCS	C	C	CL	CL	<2	MP6828

5/27/11

5/27/11

* 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 : PB55605**

Lab Sample ID	Customer Sample Number	Color Before	Color After	Clarity Before	Clarity After	PH	Comments
C2339-01	MF4Q23	Colorless	Colorless	Clear	Clear	<2	
C2339-02	MF4Q19	Colorless	Colorless	Clear	Clear	<2	
C2339-03	MF4Q26	Colorless	Colorless	Clear	Clear	<2	
C2339-04	MF4Q27	Colorless	Colorless	Clear	Clear	<2	
C2339-05	MF4Q28	Colorless	Colorless	Clear	Clear	<2	
C2339-06	MF4Q30	Colorless	Colorless	Clear	Clear	<2	
C2339-07	MF4Q31	Colorless	Colorless	Clear	Clear	<2	
C2339-08	MF4Q60	Colorless	Colorless	Clear	Clear	<2	
C2339-09	MF4Q13	Colorless	Colorless	Clear	Clear	<2	
C2339-10	MF4Q22	Colorless	Colorless	Clear	Clear	<2	5/27/11
C2339-11	MF4Q22D	Colorless	Colorless	Clear	Clear	<2	
C2339-12	MF4Q22S	Colorless	Colorless	Clear	Clear	<2	Spk. Sol. B
C2339-13	MF4Q17	Colorless	Colorless	Clear	Clear	<2	
C2339-14	MF4Q20	Colorless	Colorless	Clear	Clear	<2	
C2339-15	MF4Q21	Colorless	Colorless	Clear	Clear	<2	
C2339-16	MF4Q24	Colorless	Colorless	Clear	Clear	<2	
C2339-17	MF4Q25	Colorless	Colorless	Clear	Clear	<2	
C2339-18	MF4Q29	Colorless	Colorless	Clear	Clear	<2	
C2339-19	MF4Q58	Colorless	Colorless	Clear	Clear	<2	
C2339-20	MF4Q59	Colorless	Colorless	Clear	Clear	<2	
PB55605BL	~~PB55605BL~~ PBW	Colorless	Colorless	Clear	Clear	<2	5/27/11
PB55605BS	~~PB55605BS~~ LCS	Colorless	Colorless	Clear	Clear	<2	MP6828

5/27/11

5/27/11

* 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

519

From: (505) 224-9013
Alex Spiller
EA Engineering, Science, & Tec
320 Gold Ave. SW
Suite 12010
Albuquerque, NM 87102

Origin ID: ONMA

FedEx Express

J11151102250225

Ship Date: 19MAY11
ActWgt: 40.0 LB
CAD: 1247365/INET3130

Dims: 28 X 15 X 15 IN

Delivery Address Bar Code

SHIP TO: (908) 789-8900 BILL SENDER

Snehal Mehta
CHEMTECH CONSULTING GROUP
284 SHEFFIELD ST

MOUNTAINSIDE, NJ 07092

Ref # 1434265 B 3
Invoice #
PO #
Dept #

FRI - 20 MAY A1
PRIORITY OVERNIGHT

TRK# 7947 5858 9337
0201

07092
NJ-US
EWR

XA CDWA

5-20-11
9:10

50DG1/1577/7EFB

Copy
Original Document ... CSP MF4Q19
Signature
5/20/11
Date

520

FedEx® US Airbill Express

FedEx Tracking Number 8735 9307 6595

0200 Form ID No.

FedEx Retrieval Copy

From

Date 5/19/11 Sender's FedEx Account Number 1676 53847

Sender's Name Bob Smith Phone 972 ~~[illegible]~~ 415 5922

Company EA

Address 405 S. Highway 121 Bldg C #100 Dept./Floor/Suite/Room

City Lewisville State TX ZIP 75067

2 Your Internal Billing Reference 1434265 B3

3 To

Recipient's Name Shehal Mehta Phone 908 789 8400

Company Chemtech Consulting Group

Address 284 Sheffield St. Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Mountainside State NJ ZIP 07092

01 ☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

31 ☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

5.20.11 9:10

8735 9307 6595

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

01 ☒ FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.

06 ☐ FedEx First Overnight Earliest next business morning delivery to select locations.*

03 ☐ FedEx 2Day Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

70 ☐ FedEx 1Day Freight Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.

80 ☐ FedEx 2Day Freight Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 ☐ FedEx 3Day Freight Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* Includes FedEx Small Pak and FedEx Large Pak. 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☒ Other

6 Special Handling and Delivery Signature Options

03 ☐ **SATURDAY DELIVERY**

☐ No Signature Required Package may be left without obtaining a signature for delivery.

10 ☒ Direct Signature Someone at recipient's address may sign for delivery. *Fee applies.*

34 ☐ Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No 04 ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice Dry ice, 9, UN 1845 _____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. ☐

1 ☒ Sender Acct. No. in Section 1 will be billed. 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

[redacted]

Total Packages 1 Total Weight 58 lbs. [redacted] Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

606

Rev. Date 2/10 • Part #159281 • ©1994–2010 FedEx • PRINTED IN U.S.A. SRY

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

Copy

Original Documents are included in CSF

MF4Q19

Signature

5/20/11

Date

From: (505) 224-9013 Origin ID: ONMA
Alex Spiller
EA Engineering, Science, & Tec
320 Gold Ave. SW
Suite 12010
Albuquerque, NM 87102

J111511102250225

Ship Date: 19MAY11
ActWgt: 40.0 LB
CAD: 1247365/INET3130
Dims: 28 X 15 X 15 IN

Delivery Address Bar Code

Ref # 1434265 B 3
Invoice #
PO #
Dept #

5-20-11
9:10

SHIP TO: (908) 789-8900 BILL SENDER
Snehal Mehta
CHEMTECH CONSULTING GROUP
284 SHEFFIELD ST

MOUNTAINSIDE, NJ 07092

FRI - 20 MAY A1
PRIORITY OVERNIGHT

TRK# 0201 7947 5859 0937

XA CDWA

07092
NJ-US
EWR

50DG1/1577/7EFB

After printing this label
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Copy

5/20/11

MK4919

CHEMTECH

LOGIN REPORT

Order ID:	C2339 USEP01	**Order Date:**	5/20/2011	**Project Mgr:**	ken
Client Name:	USEPA CLP SMO	**Project Name:**	41345	**Report Type:**	USEPA CLP
Client Contact:	Anita Kapadia	**Rec DateTime**	5/20/2011 9:10:00 AM	**EDD:**	EPA CLP
Invoice Name:	USEPA CLP SMO	**Purchase Order:**		**Hard Copy Date:**	
Invoice Contact:	Anita Kapadia	**Login Tech:**	MAYUR	**Date Signoff:**	5/23/2011 10:19:48 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	QTY	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	Due Dates
C2339-01	MF4Q23	Water	5/17/2011	16:13	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-02	MF4Q19	Water	5/17/2011	17:35	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-03	MF4Q26	Water	5/18/2011	9:10	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-04	MF4Q27	Water	5/18/2011	9:10	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-05	MF4Q28	Water	5/18/2011	9:35	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-06	MF4Q30	Water	5/18/2011	17:22	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM

CHEMTECH

LOGIN REPORT

Order ID:	C2339 USEP01	**Order Date:**	5/20/2011	**Project Mgr:**	ken
Client Name:	USEPA CLP SMO	**Project Name:**	41345	**Report Type:**	USEPA CLP
Client Contact:	Anita Kapadia	**Rec DateTime**	5/20/2011 9:10:00 AM	**EDD:**	EPA CLP
Invoice Name:	USEPA CLP SMO	**Purchase Order:**		**Hard Copy Date:**	
Invoice Contact:	Anita Kapadia	**Login Tech:**	MAYUR	**Date Signoff:**	5/23/2011 10:19:48 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	QTY	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	Due Dates
C2339-07	MF4Q31	Water	5/18/2011	8:24	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-08	MF4Q60	Water	5/18/2011	17:22	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-09	MF4Q13	Water	5/18/2011	15:26	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-10	MF4Q22	Water	5/19/2011	8:38	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-11	MF4Q22D	Water	5/19/2011	8:38	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-12	MF4Q22S	Water	5/19/2011	8:38	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM

CHEMTECH

LOGIN REPORT

Order ID:	C2339 USEP01	**Order Date:**	5/20/2011	**Project Mgr:**	ken
Client Name:	USEPA CLP SMO	**Project Name:**	41345	**Report Type:**	USEPA CLP
Client Contact:	Anita Kapadia	**Rec DateTime**	5/20/2011 9:10:00 AM	**EDD:**	EPA CLP
Invoice Name:	USEPA CLP SMO	**Purchase Order:**		**Hard Copy Date:**	
Invoice Contact:	Anita Kapadia	**Login Tech:**	MAYUR	**Date Signoff:**	5/23/2011 10:19:48 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	QTY	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	Due Dates
C2339-13	MF4Q17	Water	5/18/2011	9:31	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-14	MF4Q20	Water	5/18/2011	14:45	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-15	MF4Q21	Water	5/18/2011	10:15	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-16	MF4Q24	Water	5/18/2011	11:19	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-17	MF4Q25	Water	5/18/2011	13:13	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-18	MF4Q29	Water	5/18/2011	10:15	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM

CHEMTECH

LOGIN REPORT

Order ID:	C2339 USEP01	**Order Date:**	5/20/2011	**Project Mgr:**	ken
Client Name:	USEPA CLP SMO	**Project Name:**	41345	**Report Type:**	USEPA CLP
Client Contact:	Anita Kapadia	**Rec DateTime**	5/20/2011 9:10:00 AM	**EDD:**	EPA CLP
Invoice Name:	USEPA CLP SMO	**Purchase Order:**		**Hard Copy Date:**	
Invoice Contact:	Anita Kapadia	**Login Tech:**	MAYUR	**Date Signoff:**	5/23/2011 10:19:48 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	QTY	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	Due Dates
C2339-19	MF4Q58	Water	5/18/2011	17:17	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM
C2339-20	MF4Q59	Water	5/18/2011	17:17	1	Metals CLP MS		ISM01.2	15 Bu	Jun 10 2011 9:10AM	Jun 10 2011 9:10AM

SAMPLE CONDITION RECORD

Are samples submitted with a chain of custody?	Yes
Are the number of samples the same as stated on the chain of custody?	Yes
Are bottle caps tight and securely in place?	Yes
Were all containers intact when received?	Yes
Were samples submitted in an ice chest?	Yes
Were samples received cold?	Yes
Were samples within the holding time for the requested test(s)?	Yes
Is the volume of sample submitted sufficient for the requested test(s)?	Yes
Are all samples for volatile organic analyses free of headspace?	NA

ORDER COMMENT

Case-41345, SDG-MF4Q23. ASR ATTACHED.

WORKLIST(Hardcopy Internal Chain)

WorkList Name: C2339W WorkList ID: 37486 Date: 5/27/2011 11:24:59 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
06/03/2011	Water	C2339-01	Metals CLP MS	1:1	USEP01	R51	MF4Q23	05/17/2011	ISM01.2
06/03/2011	Water	C2339-02	Metals CLP MS	1:1	USEP01	R51	MF4Q19	05/17/2011	ISM01.2
06/03/2011	Water	C2339-03	Metals CLP MS	1:1	USEP01	R51	MF4Q26	05/18/2011	ISM01.2
06/03/2011	Water	C2339-04	Metals CLP MS	1:1	USEP01	R51	MF4Q27	05/18/2011	ISM01.2
06/03/2011	Water	C2339-05	Metals CLP MS	1:1	USEP01	R51	MF4Q28	05/18/2011	ISM01.2
06/03/2011	Water	C2339-06	Metals CLP MS	1:1	USEP01	R51	MF4Q30	05/18/2011	ISM01.2
06/03/2011	Water	C2339-07	Metals CLP MS	1:1	USEP01	R51	MF4Q31	05/18/2011	ISM01.2
06/03/2011	Water	C2339-08	Metals CLP MS	1:1	USEP01	R51	MF4Q60	05/18/2011	ISM01.2
06/03/2011	Water	C2339-09	Metals CLP MS	1:1	USEP01	R51	MF4Q13	05/18/2011	ISM01.2
06/03/2011	Water	C2339-10	Metals CLP MS	1:1	USEP01	R51	MF4Q22	05/19/2011	ISM01.2
06/03/2011	Water	C2339-11	Metals CLP MS	1:1	USEP01	R51	MF4Q22D	05/19/2011	ISM01.2
06/03/2011	Water	C2339-12	Metals CLP MS	1:1	USEP01	R51	MF4Q22S	05/19/2011	ISM01.2
06/03/2011	Water	C2339-13	Metals CLP MS	1:1	USEP01	R51	MF4Q17	05/18/2011	ISM01.2
06/03/2011	Water	C2339-14	Metals CLP MS	1:1	USEP01	R51	MF4Q20	05/18/2011	ISM01.2
06/03/2011	Water	C2339-15	Metals CLP MS	1:1	USEP01	R51	MF4Q21	05/18/2011	ISM01.2
06/03/2011	Water	C2339-16	Metals CLP MS	1:1	USEP01	R51	MF4Q24	05/18/2011	ISM01.2
06/03/2011	Water	C2339-17	Metals CLP MS	1:1	USEP01	R51	MF4Q25	05/18/2011	ISM01.2
06/03/2011	Water	C2339-18	Metals CLP MS	1:1	USEP01	R51	MF4Q29	05/18/2011	ISM01.2
06/03/2011	Water	C2339-19	Metals CLP MS	1:1	USEP01	R51	MF4Q58	05/18/2011	ISM01.2
06/03/2011	Water	C2339-20	Metals CLP MS	1:1	USEP01	R51	MF4Q59	05/18/2011	ISM01.2

Date/Time 5/27/11 11.55 A.M
Received by:
Relinquished by:

Date/Time 5/27/11
Received by:
Relinquished by:

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1717	Comp.	Grab

Station Location	Samplers (Signatures)

Tag Number 6- 476515

Concentration ☐ L ☐ M ☐ H

Case No: 41345
Sample No: MF4Q59
Station Location: GW-732-D
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-476515

C2330

C2331

Preservative:

Project Cor
CLP

G&O U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

G&O U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

☆U.S. GOVERNMENT PRINTING OFFICE:

Lab Sample No.

6-356923

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

-561-005

527

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSO	SMPW	FINVC	METH	STATLOC
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440382	Arsenic	9.7	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440393	Barium	25.0		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7440702	Calcium	197000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:29:55	7440473	Chromium	4460		ug/L	50.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440508	Copper	429		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7439896	Iron	260		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7439921	Lead	44.0		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7439954	Magnesium	52600		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440020	Nickel	4.5		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:45:25	7440097	Potassium	6000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7782492	Selenium	13.8		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	17:53:20	7440235	Sodium	279000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440622	Vanadium	26.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q13	C2339-09	W	Field_Sample	06/05/2011	02:22:01	7440666	Zinc	385	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-047
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7429905	Aluminum	20.6	J+	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440382	Arsenic	13.4	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440393	Barium	41.8		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/05/2011	00:39:07	7440702	Calcium	188000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440473	Chromium	719		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440508	Copper	89.2		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7439896	Iron	221		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7439921	Lead	2.2		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7439954	Magnesium	61700		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7439965	Manganese	3.5		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440020	Nickel	2.5		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440097	Potassium	5940		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7782492	Selenium	16.9		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/05/2011	00:39:07	7440235	Sodium	314000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440622	Vanadium	49.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q17	C2339-13	W	Field_Sample	06/04/2011	23:12:08	7440666	Zinc	60.3	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-043
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7429905	Aluminum	20.0	U	ug/L	20.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440360	Antimony	2.0	U	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440382	Arsenic	13.3	J	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440393	Barium	45.6		ug/L	10.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440417	Beryllium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440439	Cadmium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	21:05:47	7440702	Calcium	205000		ug/L	12500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440473	Chromium	1250		ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440484	Cobalt	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440508	Copper	82.0		ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7439896	Iron	232		ug/L	200	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7439921	Lead	7.1		ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7439954	Magnesium	83000		ug/L	500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7439965	Manganese	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440020	Nickel	3.4		ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440097	Potassium	9020		ug/L	500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7782492	Selenium	14.8		ug/L	5.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440224	Silver	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045

41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	21:05:47	7440235	Sodium	249000		ug/L	12500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440280	Thallium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440622	Vanadium	36.3		ug/L	5.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q19	C2339-02	W	Field_Sample	06/04/2011	20:42:01	7440666	Zinc	83.4	J	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-045
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440382	Arsenic	6.5	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440393	Barium	63.2		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440702	Calcium	196000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440473	Chromium	1190		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440508	Copper	346		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7439896	Iron	253		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7439921	Lead	40.8		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7439954	Magnesium	39900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7439965	Manganese	7.1		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440020	Nickel	31.0		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440097	Potassium	8070		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7782492	Selenium	14.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	01:26:36	7440235	Sodium	193000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440622	Vanadium	14.1		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q20	C2339-14	W	Field_Sample	06/05/2011	00:47:01	7440666	Zinc	1970	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-046
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440382	Arsenic	12.5	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440393	Barium	66.5		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440702	Calcium	178000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440473	Chromium	323		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440508	Copper	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7439896	Iron	204		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7439954	Magnesium	57500		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7439965	Manganese	3.0		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440020	Nickel	1.9	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440097	Potassium	2960		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7782492	Selenium	17.7		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	17:29:37	7440235	Sodium	166000		ug/L	25000	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440622	Vanadium	43.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q21	C2339-15	W	Field_Sample	06/05/2011	00:54:55	7440666	Zinc	5.5	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-104
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7429905	Aluminum	20.0	U	ug/L	20.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440360	Antimony	2.0	U	ug/L	2.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440382	Arsenic	8.4	J	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440393	Barium	51.1		ug/L	10.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440417	Beryllium	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440439	Cadmium	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440702	Calcium	165000		ug/L	500	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440473	Chromium	49.0		ug/L	2.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440484	Cobalt	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440508	Copper	2.0	U	ug/L	2.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7439896	Iron	200	U	ug/L	200	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7439921	Lead	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7439954	Magnesium	54100		ug/L	500	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7439965	Manganese	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440020	Nickel	2.6		ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD

41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440097	Potassium	6200		ug/L	500	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7782492	Selenium	14.8		ug/L	5.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440224	Silver	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:51:40	7440235	Sodium	216000		ug/L	12500	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440280	Thallium	1.0	U	ug/L	1.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440622	Vanadium	38.2		ug/L	5.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q22	C2339-10	W	Field_Sample	06/04/2011	23:20:02	7440666	Zinc	7.0	J	ug/L	2.0	05/19/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-105-MS/MD
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7429905	Aluminum	20.0	U	ug/L	20.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440360	Antimony	2.0	U	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440382	Arsenic	5.0	J	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440393	Barium	51.8		ug/L	10.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440417	Beryllium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440439	Cadmium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:57:51	7440702	Calcium	239000		ug/L	12500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440473	Chromium	309		ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440484	Cobalt	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440508	Copper	2.2	UC	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7439896	Iron	239		ug/L	200	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7439921	Lead	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7439954	Magnesium	31200		ug/L	500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7439965	Manganese	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440020	Nickel	3.9		ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440097	Potassium	5980		ug/L	500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7782492	Selenium	17.5		ug/L	5.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440224	Silver	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:57:51	7440235	Sodium	234000		ug/L	12500	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440280	Thallium	1.0	U	ug/L	1.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440622	Vanadium	13.0		ug/L	5.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q23	C2339-01	W	Field_Sample	06/04/2011	20:34:06	7440666	Zinc	4.1	J	ug/L	2.0	05/17/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-260
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440382	Arsenic	10.2	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440393	Barium	66.4		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:42:28	7440702	Calcium	194000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440473	Chromium	141		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440508	Copper	225		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7439896	Iron	238		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7439921	Lead	14.8		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7439954	Magnesium	52200		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440020	Nickel	3.1		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440097	Potassium	6880		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7782492	Selenium	15.8		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:42:28	7440235	Sodium	237000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440622	Vanadium	39.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q24	C2339-16	W	Field_Sample	06/05/2011	01:02:50	7440666	Zinc	223	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-029
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440382	Arsenic	11.1	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440393	Barium	36.8		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440702	Calcium	199000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440473	Chromium	557		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440508	Copper	2.5		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7439896	Iron	219		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091

41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7439954	Magnesium	59100		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440020	Nickel	1.8	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440097	Potassium	6650		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7782492	Selenium	16.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:50:25	7440235	Sodium	290000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440622	Vanadium	36.6		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q25	C2339-17	W	Field_Sample	06/05/2011	01:10:45	7440666	Zinc	8.4	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-091
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440382	Arsenic	11.1	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440393	Barium	49.3		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	21:29:25	7440702	Calcium	193000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440473	Chromium	522		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440508	Copper	6.5		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7439896	Iron	214		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7439954	Magnesium	54900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7439965	Manganese	1.6	UC	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440020	Nickel	1.6	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440097	Potassium	6680		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7782492	Selenium	13.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	21:29:25	7440235	Sodium	265000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440622	Vanadium	41.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q26	C2339-03	W	Field_Sample	06/04/2011	20:49:56	7440666	Zinc	66.8	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440382	Arsenic	10.8	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440393	Barium	47.0		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440702	Calcium	185000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440473	Chromium	476		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440508	Copper	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7439896	Iron	205		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7439954	Magnesium	49900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7439965	Manganese	2.4		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440020	Nickel	1.8	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440097	Potassium	5970		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7782492	Selenium	14.6		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	22:16:48	7440235	Sodium	248000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440622	Vanadium	37.1		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q27	C2339-04	W	Field_Sample	06/04/2011	21:37:18	7440666	Zinc	74.1	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-092-D
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440382	Arsenic	12.1	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440393	Barium	48.6		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	22:24:43	7440702	Calcium	214000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440473	Chromium	259		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093

41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440508	Copper	3.9		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7439896	Iron	219		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7439954	Magnesium	56900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440020	Nickel	1.7	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440097	Potassium	6700		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7782492	Selenium	17.3		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	22:24:43	7440235	Sodium	265000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440622	Vanadium	38.7		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q28	C2339-05	W	Field_Sample	06/04/2011	21:45:12	7440666	Zinc	13.8	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-093
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440382	Arsenic	11.8	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440393	Barium	44.4		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440702	Calcium	199000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440473	Chromium	108		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440508	Copper	71.9		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7439896	Iron	241		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7439921	Lead	10.4		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7439954	Magnesium	63600		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440020	Nickel	2.9		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440097	Potassium	6410		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7782492	Selenium	15.4		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	17:37:31	7440235	Sodium	231000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440622	Vanadium	47.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q29	C2339-18	W	Field_Sample	06/05/2011	01:18:40	7440666	Zinc	99.1	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-094
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440382	Arsenic	11.0	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440393	Barium	43.6		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	22:32:38	7440702	Calcium	200000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440473	Chromium	319		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440508	Copper	5.1		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7439896	Iron	214		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7439954	Magnesium	52900		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440020	Nickel	1.3	UC	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440097	Potassium	7140		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7782492	Selenium	17.2		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	22:32:38	7440235	Sodium	269000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440622	Vanadium	37.0		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q30	C2339-06	W	Field_Sample	06/04/2011	21:53:05	7440666	Zinc	8.9	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440382	Arsenic	12.1	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440393	Barium	44.1		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097

41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440702	Calcium	180000		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440473	Chromium	727		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440508	Copper	6.9		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7439896	Iron	200	U	ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7439954	Magnesium	50700		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440020	Nickel	1.1	UC	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440097	Potassium	6550		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7782492	Selenium	15.9		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:40:34	7440235	Sodium	254000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440622	Vanadium	41.0		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q31	C2339-07	W	Field_Sample	06/04/2011	22:00:59	7440666	Zinc	12.5	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-097
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:01:16	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440382	Arsenic	6.7	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440393	Barium	48.3		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:01:16	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:25:01	7440702	Calcium	241000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440473	Chromium	444		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440508	Copper	3.4		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7439896	Iron	321		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:01:16	7439954	Magnesium	38200		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7439965	Manganese	1.2	UC	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440020	Nickel	3.4		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:01:16	7440097	Potassium	7710		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7782492	Selenium	16.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	18:25:01	7440235	Sodium	229000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440622	Vanadium	21.4		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q58	C2339-19	W	Field_Sample	06/05/2011	02:37:50	7440666	Zinc	242	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:09:10	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440382	Arsenic	6.7	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440393	Barium	48.3		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:09:10	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:32:58	7440702	Calcium	228000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440473	Chromium	446		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440508	Copper	2.4		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7439896	Iron	299		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7439921	Lead	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:09:10	7439954	Magnesium	38400		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440020	Nickel	3.1		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:09:10	7440097	Potassium	7650		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7782492	Selenium	18.0		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	18:32:58	7440235	Sodium	222000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440622	Vanadium	20.7		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q59	C2339-20	W	Field_Sample	06/05/2011	02:45:45	7440666	Zinc	235	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-732-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7429905	Aluminum	20.0	U	ug/L	20.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440360	Antimony	2.0	U	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440382	Arsenic	10.7	J	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D

41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440393	Barium	48.0		ug/L	10.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440417	Beryllium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440439	Cadmium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	23:04:15	7440702	Calcium	204000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440473	Chromium	324		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440484	Cobalt	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440508	Copper	15.4		ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7439896	Iron	207		ug/L	200	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7439921	Lead	1.5		ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7439954	Magnesium	55200		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7439965	Manganese	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440020	Nickel	1.6	J+	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440097	Potassium	7580		ug/L	500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7782492	Selenium	17.5		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440224	Silver	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	23:04:15	7440235	Sodium	268000		ug/L	12500	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440280	Thallium	1.0	U	ug/L	1.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440622	Vanadium	38.0		ug/L	5.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D
41345	MF4Q23	MF4Q60	C2339-08	W	Field_Sample	06/04/2011	22:08:53	7440666	Zinc	17.1	J	ug/L	2.0	05/18/2011	05/27/2011	05/20/2011	Low	0.0	50	50	MS	GW-095-D

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Blanks

Blanks	ICP_MS
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS, MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22S, MF4Q22L, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Vanadium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Arsenic LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Calcium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29
	Chromium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Nickel LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Potassium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29
	Copper LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Lead LCS , MF4Q19 , MF4Q60 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q24 , MF4Q29 , MF4Q13
	Sodium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q24 , MF4Q25
	Barium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Cobalt LCS , MF4Q22S
	Zinc LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Aluminum LCS , MF4Q17
	Beryllium LCS , MF4Q22S
	Antimony LCS , MF4Q22S
	Thallium LCS , MF4Q22S
	Cadmium LCS , MF4Q22S
	Magnesium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29
	Silver LCS , MF4Q22S
	Manganese LCS , MF4Q26 , MF4Q27 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q21 , MF4Q58
	Iron LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q60 , MF4Q17 , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Blanks

Blanks	ICP_MS
Blanks	**ICP_MS**
NCB06	The following samples have no detected analytes. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	PBW, MF4Q58, MF4Q59, MF4Q13, MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22L, MF4Q21, MF4Q24, MF4Q25, MF4Q29
	Vanadium PBW
	Aluminum MF4Q58 , MF4Q59
	Beryllium MF4Q13 , MF4Q58 , MF4Q59
	Cadmium PBW , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
Blanks	**ICP_MS**
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22L, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Cobalt MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Zinc MF4Q22L
	Nickel MF4Q22L
	Aluminum MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q60 , MF4Q22D , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q29
	Antimony MF4Q20 , MF4Q13
	Cadmium MF4Q20
	Thallium MF4Q22L
	Copper MF4Q27 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q21
	Silver MF4Q20 , MF4Q13
	Iron MF4Q31 , MF4Q22 , MF4Q22D , MF4Q22L
	Manganese MF4Q23 , MF4Q19 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q22 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q59
	Lead MF4Q23 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q22 , MF4Q21 , MF4Q25 , MF4Q58 , MF4Q59
Blanks	**ICP_MS**
ND15	The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF4Q21, MF4Q29, MF4Q13, MF4Q58, MF4Q59

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Blanks

Blanks	ICP_MS
	Sodium MF4Q21 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Calcium MF4Q13 , MF4Q58 , MF4Q59
	Aluminum MF4Q13
	Magnesium MF4Q13 , MF4Q58 , MF4Q59
Blanks	**ICP_MS**
NCB05	The following samples have no detected analytes. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF4Q58, MF4Q59
	Aluminum MF4Q58 , MF4Q59
Blanks	**ICP_MS**
ND06	The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS, MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22L, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59, MF4Q22S
	Calcium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Chromium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Nickel LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Potassium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Copper LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Lead LCS , MF4Q19 , MF4Q60 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q24 , MF4Q29 , MF4Q13
	Sodium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Barium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Cobalt LCS , MF4Q22S
	Zinc LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22S , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Aluminum LCS , MF4Q17
	Beryllium LCS , MF4Q22S
	Antimony LCS , MF4Q22S

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Blanks

Blanks	ICP_MS
	Thallium LCS , MF4Q22S
	Cadmium LCS , MF4Q22S
	Magnesium LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Silver LCS , MF4Q22S
	Iron LCS , MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q60 , MF4Q17 , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Manganese LCS , MF4Q26 , MF4Q27 , MF4Q17 , MF4Q22S , MF4Q20 , MF4Q21 , MF4Q58
Blanks	**ICP_MS**
ND04	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs.
	MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q22D, MF4Q22L, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Cobalt MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Zinc MF4Q22L
	Nickel MF4Q22L
	Aluminum MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q60 , MF4Q22D , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q29 , MF4Q13
	Antimony MF4Q20 , MF4Q13
	Cadmium MF4Q20
	Thallium MF4Q22L
	Copper MF4Q27 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q21
	Silver MF4Q20 , MF4Q13
	Iron MF4Q31 , MF4Q22 , MF4Q22D , MF4Q22L
	Manganese MF4Q23 , MF4Q19 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q22 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q59
	Lead MF4Q23 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q22 , MF4Q21 , MF4Q25 , MF4Q58 , MF4Q59

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Detection Limit

Detection Limit	ICP_MS
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF4Q22L, MF4Q27, MF4Q22, MF4Q22D, MF4Q21, MF4Q23, MF4Q26, MF4Q28, MF4Q30, MF4Q31, MF4Q25, MF4Q58, MF4Q59, MF4Q19, MF4Q60, MF4Q17, MF4Q20, MF4Q24, MF4Q29, MF4Q13
	Nickel MF4Q22L
	Copper MF4Q27 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q21
	Lead MF4Q23 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q22 , MF4Q21 , MF4Q25 , MF4Q58 , MF4Q59
	Selenium MF4Q22L
	Cobalt MF4Q23 , MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q17 , MF4Q22 , MF4Q22D , MF4Q22L , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q58 , MF4Q59
	Aluminum MF4Q19 , MF4Q26 , MF4Q27 , MF4Q28 , MF4Q60 , MF4Q22D , MF4Q20 , MF4Q21 , MF4Q24 , MF4Q29 , MF4Q13
	Zinc MF4Q22L
	Antimony MF4Q20 , MF4Q13
	Thallium MF4Q22L
	Cadmium MF4Q20
	Manganese MF4Q23 , MF4Q19 , MF4Q28 , MF4Q30 , MF4Q31 , MF4Q60 , MF4Q22 , MF4Q24 , MF4Q25 , MF4Q29 , MF4Q13 , MF4Q59
	Iron MF4Q31 , MF4Q22 , MF4Q22D , MF4Q22L
	Silver MF4Q20 , MF4Q13

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Duplicates

Duplicates	ICP_MS
NI04	The following Duplicate or original sample results are less than or equal to 5xCRQL and the absolute difference between duplicate and original samples are greater than CRQL. The original sample results are greater than or equal to MDLs. Detected analytes are qualified J. Nondetected analytes are qualified UJ.
	MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Zinc MF4Q22D

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF4Q23 **Case** 41345 **Contract** EPW09038 **Region** 6 **DDTID** 123304 **SOW** ISM01.2

Data Review Reports

Serial Dilution

Serial Dilution	ICP_MS
NL032	The following ICP-MS Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected analytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ.
	MF4Q23, MF4Q19, MF4Q26, MF4Q27, MF4Q28, MF4Q30, MF4Q31, MF4Q60, MF4Q17, MF4Q22, MF4Q20, MF4Q21, MF4Q24, MF4Q25, MF4Q29, MF4Q13, MF4Q58, MF4Q59
	Arsenic MF4Q22L

EPA USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
R

Region:	6	**Date Shipped:**	5/17/2011	**Chain of Custody Record**	**Sampler Signature:**
Project Code:	EP-W-06-004	**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	8739 4613 1944	1 Alex Spilla 05-17-11 1709	
CERCLIS ID:	TXN000606992	**Shipped to:**	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	2	
Spill ID:				3	
Site Name/State:	WCR 112 Groundwater Plume Site/TX			4	
Project Leader:	LUIS VEGA				
Action:	Remedial Investigation / Feasability Study Reassessment				
Sampling Co:	EA Engineering, Science, and Technology,				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF4Q09	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356912 (HNO3) (1)	GW-011	S: 5/17/2011 8:45		--
MF4Q10	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356913 (HNO3) (1)	GW-011-D	S: 5/17/2011 8:45		Field Duplicate
MF4Q40	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356943 (HNO3) (1)	GW-096	S: 5/17/2011 12:11		--
MF4Q43	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356946 (HNO3) (1)	GW-313	S: 5/17/2011 8:53		--
MF4Q46	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356949 (HNO3) (1)	GW-019	S: 5/17/2011 12:46		--
MF4Q47	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356950 (HNO3) (1)	GW-099	S: 5/17/2011 9:32		--
MF4Q48	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356951 (HNO3) (1)	GW-099-D	S: 5/17/2011 9:32		Field Duplicate
MF4Q50	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356953 (HNO3) (1)	GW-103	S: 5/17/2011 10:38		--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):** Alex Spilla	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____
TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med			

TR Number: 6-035226671-051711-0003

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	41345
DAS No:	

R

Region:	6
Project Code:	EP-W-06-004
Account Code:	
CERCLIS ID:	TXN000606992
Spill ID:	
Site Name/State:	WCR 112 Groundwater Plume Site/TX
Project Leader:	LUIS VEGA
Action:	Remedial Investigation / Feasability Study Reassessment
Sampling Co:	EA Engineering, Science, and Technology,

Date Shipped:	5/17/2011
Carrier Name:	FedEx
Airbill:	8739 4613 1944
Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Sampler Signature:

	Relinquished By (Date / Time)	Received By (Date / Time)
1	Alex Spilla 05-17-11 1709	
2		
3		
4		

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MF4Q09	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356912 (HNO3) (1)	GW-011	S: 5/17/2011	8:45		--
MF4Q10	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356913 (HNO3) (1)	GW-011-D	S: 5/17/2011	8:45		Field Duplicate
MF4Q40	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356943 (HNO3) (1)	GW-096	S: 5/17/2011	12:11		--
MF4Q43	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356946 (HNO3) (1)	GW-313	S: 5/17/2011	8:53		--
MF4Q46	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356949 (HNO3) (1)	GW-019	S: 5/17/2011	12:46		--
MF4Q47	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356950 (HNO3) (1)	GW-099	S: 5/17/2011	9:32		--
MF4Q48	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356951 (HNO3) (1)	GW-099-D	S: 5/17/2011	9:32		Field Duplicate
MF4Q50	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356953 (HNO3) (1)	GW-103	S: 5/17/2011	10:38		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): Alex Spilla	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051711-0003

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
R

Region:	6	Date Shipped:	5/17/2011	Chain of Custody Record	Sampler Signature:
Project Code: / Account Code:	EP-W-06-004	Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID:	TXN000606992	Airbill:	8739 4613 1944	1 Alex Spilla 05-17-11 1709	
Spill ID:		Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	2	
Site Name/State:	WCR 112 Groundwater Plume Site/TX			3	
Project Leader:	LUIS VEGA			4	
Action:	Remedial Investigation / Feasability Study Reassessment				
Sampling Co:	EA Engineering, Science, and Technology,				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MF4Q09	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356912 (HNO3) (1)	GW-011	S: 5/17/2011	8:45		--
MF4Q10	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356913 (HNO3) (1)	GW-011-D	S: 5/17/2011	8:45		Field Duplicate
MF4Q40	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356943 (HNO3) (1)	GW-096	S: 5/17/2011	12:11		--
MF4Q43	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356946 (HNO3) (1)	GW-313	S: 5/17/2011	8:53		--
MF4Q46	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356949 (HNO3) (1)	GW-019	S: 5/17/2011	12:46		--
MF4Q47	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356950 (HNO3) (1)	GW-099	S: 5/17/2011	9:32		--
MF4Q48	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356951 (HNO3) (1)	GW-099-D	S: 5/17/2011	9:32		Field Duplicate
MF4Q50	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356953 (HNO3) (1)	GW-103	S: 5/17/2011	10:38		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): Alex Spilla	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051711-0003

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345 **R**
DAS No:

Region:	6	**Date Shipped:**	5/19/2011	**Chain of Custody Record**	**Sampler Signature:**
Project Code:	EP-W-06-004	**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	7947 5859 0937	1 Alex Spill 05-19-11	
CERCLIS ID:	TXN000606992	**Shipped to:**	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	2	
Spill ID:				3	
Site Name/State:	WCR 112 Groundwater Plume Site/TX			4	
Project Leader:	LUIS VEGA				
Action:	Remedial Investigation / Feasability Study Reassessment				
Sampling Co:	EA Engineering, Science, and Technology,				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF4Q17	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356920 (HNO3) (1)	GW-043	S: 5/18/2011 9:31		--
MF4Q20	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356923 (HNO3) (1)	GW-046	S: 5/18/2011 14:45		--
MF4Q21	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356924 (HNO3) (1)	GW-104	S: 5/18/2011 10:15		--
MF4Q24	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356927 (HNO3) (1)	GW-029	S: 5/18/2011 11:19		--
MF4Q25	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356928 (HNO3) (1)	GW-091	S: 5/18/2011 13:13		--
MF4Q29	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356932 (HNO3) (1)	GW-094	S: 5/18/2011 10:15		--
MF4Q58	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-476040 (HNO3) (1)	GW-732	S: 5/18/2011 17:17		--
MF4Q59	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-476515 (HNO3) (1)	GW-732-D	S: 5/18/2011 17:17		Field Duplicate

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):** Alex Spill	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051811-0005

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

EPA USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
R

Region:	6	**Date Shipped:**	5/19/2011	**Chain of Custody Record**	**Sampler Signature:**
Project Code: / **Account Code:**	EP-W-06-004	**Carrier Name:**	FedEx	**Relinquished By** (Date / Time)	**Received By** (Date / Time)
CERCLIS ID:	TXN000606992	**Airbill:**	7947 5858 9337	1 Alex Spill 05-19-11 1053	
Spill ID:		**Shipped to:**	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	2	
Site Name/State:	WCR 112 Groundwater Plume Site/TX			3	
Project Leader:	LUIS VEGA			4	
Action:	Remedial Investigation / Feasability Study Reassessment				
Sampling Co:	EA Engineering, Science, and Technology,				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF4Q19	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356922 (HNO3) (1)	GW-045	S: 5/17/2011 17:35		--
MF4Q23	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356926 (HNO3) (1)	GW-260	S: 5/17/2011 16:13		--
MF4Q26	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356929 (HNO3) (1)	GW-092	S: 5/18/2011 9:10		--
MF4Q27	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356930 (HNO3) (1)	GW-092-D	S: 5/18/2011 9:10		Field Duplicate
MF4Q28	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356931 (HNO3) (1)	GW-093	S: 5/18/2011 9:35		--
MF4Q30	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356933 (HNO3) (1)	GW-095	S: 5/18/2011 17:22		--
MF4Q31	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356934 (HNO3) (1)	GW-097	S: 5/18/2011 8:24		--
MF4Q60	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-476516 (HNO3) (1)	GW-095-D	S: 5/18/2011 17:22		Field Duplicate

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):** Alex Spill	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051811-0004

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345 **R**
DAS No:

Region:	6	**Date Shipped:**	5/19/2011	**Chain of Custody Record**	**Sampler Signature:**
Project Code: / **Account Code:**	EP-W-06-004	**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
CERCLIS ID:	TXN000606992	**Airbill:**	8735 9307 6595	1 Alex Spill 05-19-11 1041	
Spill ID:		**Shipped to:**	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	2	
Site Name/State:	WCR 112 Groundwater Plume Site/TX			3	
Project Leader:	LUIS VEGA			4	
Action:	Remedial Investigation / Feasability Study Reassessment				
Sampling Co:	EA Engineering, Science, and Technology,				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF4Q13	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356916 (HNO3) (1)	GW-047	S: 5/18/2011 15:26		--
MF4Q22	Ground Water/ JOSE FLORES	M/G	TM W L/Med (21)	6-356935 (HNO3), 6-356939 (HNO3) (2)	GW-105-MS/MD	S: 5/19/2011 8:38		--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** MF4Q22	**Additional Sampler Signature(s):** Alex Spill	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051911-0001

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

Region 06 | Case 41345 | Lab CHEM | Issue Laboratory problems | FINAL

Blackmon, Jacqueline to: Divya Mehta, Snehal Mehta 05/17/2011 01:57 PM

Cc: Marvelyn Humphrey, Mahmoud Elfeky, Myra Perez, Nick Gannon, Raymond Flores

2 attachments

Case-41345-5-17.pdf Case-41545-II-5-17.pdf

Snehal,

Summary Start
Issue: The laboratory received two sets of samples for this Case with a QC sample for each. The TR/COC indicates the analyses as "TM W L/Med = Total Metals ISM01.2, ICP- AES, Low-Med" and "TM W Low = Total Metals ISM01.2, ICP-MS, low Conc.". The laboratory will follow scheduling for both sets of samples by creating two SDGs, one for Total Metals ICP-AES low-medium concentration and another for Total Metals ICP-MS low concentration. Please advise if this is acceptable to the Region.
Resolution: Per Region 6, this is acceptable. The laboratory will proceed with the analysis of the samples.
Summary End

Please let me know if you have any questions or problems. To waive any defect(s) associated with this issue, please contact your PO.
Thanks,
Jackie (Blackmon) Washington
Environmental Coordinator- Regions 6, 9 and ASB (QB/PE)
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | office phone 703-818-4184 | fax 703-818-4601 | jblackmon3@fedcsc.com | www.csc.com

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

From: Gannon.Nick@epamail.epa.gov [mailto:Gannon.Nick@epamail.epa.gov]
Sent: Tuesday, May 17, 2011 2:52 PM
To: Blackmon, Jacqueline
Cc: Elfeky.Mahmoud@epamail.epa.gov; Perez.Myra@epamail.epa.gov; Flores.Raymond@epamail.epa.gov
Subject: Re: Region 06 | Case 41345 | Lab CHEM | Issue Laboratory problems

Jackie,

That is fine, please have the lab proceed with the analyses. Thanks.

Nick

NICHOLAS GANNON

U.S. EPA Region 6 (6MD-HO)
Environmental Services Branch
10625 Fallstone Rd., Houston TX 77099
Phone: (281) 983-2138
Fax: (281) 983-2248

From: Blackmon, Jacqueline
Sent: Tuesday, May 17, 2011 11:05 AM
To: perez.myra@epa.gov
Cc: Elfeky.Mahmoud@epamail.epa.gov; Flores.Raymond@epamail.epa.gov; 'Nick Gannon'
Subject: Region 06 | Case 41345 | Lab CHEM | Issue Laboratory problems

Myra,
CHEM would like to confirm their actions below. Please advise if this is acceptable to the Region.

Issue: The laboratory received two sets of samples for this Case with a QC sample for each. The TR/COC indicates the analyses as "TM W L/Med = Total Metals ISM01.2, ICP- AES, Low-Med" and "TM W Low = Total Metals ISM01.2, ICP-MS, low Conc.". The laboratory will follow scheduling for both sets of samples by creating two SDGs, one for Total Metals ICP-AES low-medium concentration and another for Total Metals ICP-MS low concentration. Please advise if this is acceptable to the Region.

Please let me know if you have any questions.
Thanks,
Jackie (Blackmon) Washington
Environmental Coordinator- Regions 6, 9 and ASB (QB/PE)
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | office phone 703-818-4184 | fax 703-818-4601 | jblackmon3@fedcsc.com | www.csc.com

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Tuesday, May 17, 2011 11:50 AM
To: Blackmon, Jacqueline
Subject: RE: Region 06 | Case 41345 | Lab CHEM | Shipping information

Jackie,

Issue 1 : Lab received two sets of samples for this case w/ QC sample for each. Analysis on TR/COC indicates TM W L/Med = Total Metals ISM01.2, ICP-AES, Low-Med and TM W Low = Total Metals ISM01.2, ICP-MS, low Conc. Lab will follow scheduling notification for both set of samples by creating two SDGs one for Total Metals ISM01.2, ICP-AES, Low-Med & other for Total Metals ISM01.2, ICP-MS, low Conc.

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	41345
DAS No:	
SDG No:	L

Date Shipped:	5/16/2011
Carrier Name:	FedEx
Airbill:	7970 9749 5988
Shipped to:	ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Sampler Signature:

	Relinquished By (Date / Time)	Received By (Date / Time)
1	Alex Sill 05/16/11 1300	5-17-11 905
2		
3		
4		

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF4Q01	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356901 (HNO3), 6-356902 (HNO3) (2)	GW-048-MS/MD	S: 5/16/2011	13:23		
MF4Q04	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356907 (HNO3) (1)	GW-049	S: 5/16/2011	14:07		
MF4Q05	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356908 (HNO3) (1)	GW-081	S: 5/16/2011	14:54		
MF4Q06	Ground Water/ JASON STROUP	M/G	TM W L/Med (21)	6-356909 (HNO3) (1)	GW-090	S: 5/16/2011	15:40		
MF4Q33	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356936 (HNO3) (1)	GW-150	S: 5/16/2011	13:54		
MF4Q34	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356937 (HNO3) (1)	GW-151	S: 5/16/2011	14:16		
MF4Q39	Ground Water/ Kenneth Min	M/G	TM W L/Med (21)	6-356942 (HNO3) (1)	GW-064	S: 5/16/2011	15:56		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	MF4Q01	Alex Sill	3C	N/A

Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact?	Shipment Iced?

TM W L/Med = Total Metals ISM01.2,ICP-AES, Low-Med

TR Number: 6-035226671-051611-0002

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 41345
DAS No:
SDG No: L

Date Shipped: 5/16/2011	**Chain of Custody Record**	Sampler Signature:	**For Lab Use Only**
Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No:
Airbill: 7947 5857 5797	1 [signature] 05-16-11	[signature] 5/17/11 9:05	Unit Price:
Shipped to: ChemTech Consulting Group (CHEM) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900	2		Transfer To:
	3		Lab Contract No:
	4		Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF4Q03	Ground Water/ Kenneth Min	L/G	TM W Low (21)	6-356905 (HNO3), 6-356906 (HNO3) (2)	GW-197-MS/MD	S: 5/16/2011	12:52		
MF4Q37	Ground Water/ Kenneth Min	L/G	TM W Low (21)	6-356940 (HNO3) (1)	GW-198	S: 5/16/2011	13:20		
MF4Q38	Ground Water/ Kenneth Min	L/G	TM W Low (21)	6-356941 (HNO3) (1)	GW-198-D	S: 5/16/2011	13:20		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: MF4Q03	Additional Sampler Signature(s): [signature]	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? YES / Shipment Iced? YES

TM W Low = Total Metals ISM01.2, ICP-MS, low conc.

TR Number: 6-035226671-051611-0003

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

Region 06 | Case 41345 | Lab CHEM | SDG MF4Q03 | Issue Laboratory problems | FINAL

Blackmon, Jacqueline to: krupa, Divya Mehta, Snehal Mehta 05/26/2011 03:47 PM

Cc: Marvelyn Humphrey, Mahmoud Elfeky, Myra Perez, Nick Gannon, Raymond Flores

Krupa,

Summary Start
Issue: Samples under Case 41345/SDG MF4Q03 were requested to be analyzed by ICP-MS using Method ISM01.2. These samples have a high concentration of Sodium and Calcium. The CCV for Calcium is failing with a low bias (85% lower recovery range) due to the high concentration of these elements. The laboratory would like to report the Calcium recovery in the CCV at 85-110% recovery range and report only the undiluted analytical run for all elements. Please advise if this is acceptable to the Region.
Resolution: Per Region 6, this is acceptable. The laboratory will address the issue in the SDG Narrative. The laboratory will also note that the compound of concern for this site is Chromium. It is imperative that the laboratory meet the Cr CRQL (2 ug/l) for all samples.
Summary End

Please let me know if you have any questions or problems. To waive any defect(s) associated with this issue, please contact your PO.
Thanks,
Jackie (Blackmon) Washington
Environmental Coordinator- Regions 6, 9 and ASB (QB/PE)
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | office phone 703-818-4184 | fax 703-818-4601 | jblackmon3@fedcsc.com | www.csc.com

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

From: Gannon.Nick@epamail.epa.gov [mailto:Gannon.Nick@epamail.epa.gov]
Sent: Thursday, May 26, 2011 4:09 PM
To: Blackmon, Jacqueline
Cc: Elfeky.Mahmoud@epamail.epa.gov; Perez.Myra@epamail.epa.gov; Flores.Raymond@epamail.epa.gov
Subject: Re: Region 06 | Cases 41344 and 41345 | Lab CHEM | Issue Laboratory problems

Jackie,

One additional note. The compound of concern for this site is chromium. Please inform the lab that it is imperative that they meet the Cr CRQL (2 ug/l) for all samples. Thanks.

Nick

NICHOLAS GANNON
U.S. EPA Region 6 (6MD-HO)
Environmental Services Branch

10625 Fallstone Rd., Houston TX 77099
Phone: (281) 983-2138
Fax: (281) 983-2248
From: Gannon.Nick@epamail.epa.gov [mailto:Gannon.Nick@epamail.epa.gov]
Sent: Thursday, May 26, 2011 4:03 PM
To: Blackmon, Jacqueline
Cc: Elfeky.Mahmoud@epamail.epa.gov; Perez.Myra@epamail.epa.gov; Flores.Raymond@epamail.epa.gov
Subject: Re: Region 06 | Cases 41344 and 41345 | Lab CHEM | Issue Laboratory problems

Jackie,

That is acceptable. Please have the lab address the issue in the case narrative. Myra, Ray, and I are off tomorrow, but some of us will be monitoring our emails. Have a good weekend.

Nick

NICHOLAS GANNON
U.S. EPA Region 6 (6MD-HO)
Environmental Services Branch
10625 Fallstone Rd., Houston TX 77099
Phone: (281) 983-2138
Fax: (281) 983-2248

From:	"Blackmon, Jacqueline" <jblackmon3@fedcsc.com>
To:	Nick Gannon/R6/USEPA/US@EPA, Raymond Flores/R6/USEPA/US@EPA
Cc:	Mahmoud Elfeky/R6/USEPA/US@EPA, Myra Perez/R6/USEPA/US@EPA
Date:	05/26/2011 02:59 PM
Subject:	Region 06 | Cases 41344 and 41345 | Lab CHEM | Issue Laboratory problems

Nick,
CHEM is reporting the following issue for Cases 41344 and 41345. Please advise.

Issue: Samples under Case 41344/SDGs MF4R01, MF4R19, MF4R39 and Case 41345/SDG MF4Q03 were requested to be analyzed by ICP-MS using Method ISM01.2. These samples have a high concentration of Sodium and Calcium. The CCV for Calcium is failing with a low bias (85% lower recovery range) due to the high concentration of these elements. The laboratory would like to report the Calcium recovery in the CCV at 85-110% recovery range and report only the undiluted analytical run for all elements. Please advise if this is acceptable to the Region.

Please let me know if you have any questions or problems.
Thanks,
Jackie (Blackmon) Washington
Environmental Coordinator- Regions 6, 9 and ASB (QB/PE)
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | office phone 703-818-4184 | fax 703-818-4601 | jblackmon3@fedcsc.com | www.csc.com

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

From: krupa [mailto:krupa@chemtech.net]
Sent: Thursday, May 26, 2011 4:33 PM
To: Blackmon, Jacqueline
Subject: FW: Case 41344 SDG MF4R01, MF4R19, MF4R39 Case 41345 SDG MF4Q03

FYI

Thanks,
Krupa Dubey
QA/QC Director
CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092
Phone: (908) 728 3152
Fax: (908) 789 8922
www.chemtech.net

From: krupa
Sent: Thursday, May 26, 2011 1:37 PM
To: 'larthur@fedcsc.com'
Cc: Divya Mehta; CHIRAG LEHRU; Danuta Roguski; Zhaleh Rohani; Mildred Reyes
Subject: RE: Case 41344 SDG MF4R01, MF4R19, MF4R39 Case 41345 SDG MF4Q03

Hi, can you please advise.

Thanks,
Krupa Dubey
QA/QC Director
CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092
Phone: (908) 728 3152
Fax: (908) 789 8922
www.chemtech.net

From: krupa
Sent: Wednesday, May 25, 2011 3:54 PM
To: 'larthur@fedcsc.com'
Cc: Divya Mehta
Subject: RE: Case 41344 SDG MF4R01, MF4R19, MF4R39 Case 41345 SDG MF4Q03

Please advise.

Thanks,
Krupa Dubey
QA/QC Director
CHEMTECH

284 Sheffield Street
Mountainside, NJ 07092
Phone: (908) 728 3152
Fax: (908) 789 8922
www.chemtech.net

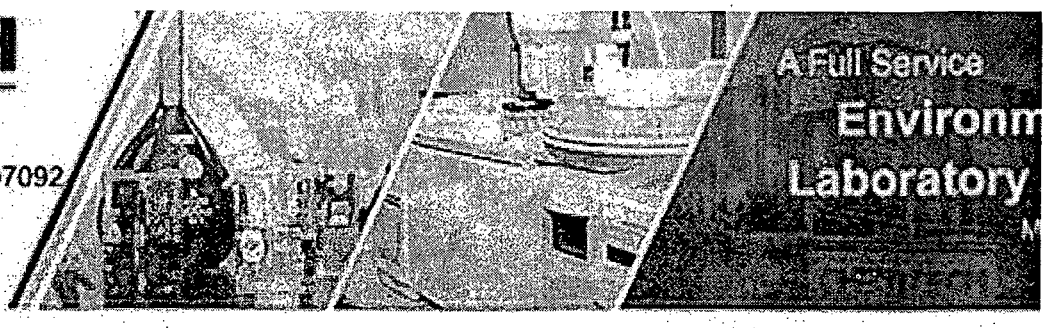
From: krupa
Sent: Tuesday, May 24, 2011 2:13 PM
To: 'larthur@fedcsc.com'
Cc: Zhaleh Rohani; Mildred Reyes; Danuta Roguski; CHIRAG LEHRU; Mohammad Ahmed
Subject: FW: Case 41344 SDG MF4R01, MF4R19, MF4R39 Case 41345 SDG MF4Q03

Samples under Case 41344 SDG MF4R01, MF4R19, MF4R39 and Case 41345 SDG MF4Q03 were requested to be analyzed on ICP-MS using Method ISM01.2. These samples have a high concentration of Sodium and Calcium. The CCV for Calcium is failing with a low bias (85% lower recovery range) due to the high concentration of these elements.

The laboratory would report Calcium recovery in the CCV at 85-110% recovery range and report only the undiluted analytical run for all elements. Please approve.

Regards

Krupa Dubey
QA/QC Director
(908) 728-3152
CHEMTECH
284 Sheffield Street,
Mountainside, New Jersey 07092
Phone: (908) 789 8900
Fax: (908) 789 8922



Chemtech is an equal opportunity employer
Notice: The information transmitted in this e-mail message and in any attachments is intended Solely for the attention and use of the named addressee(s) and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is strictly prohibited and may be unlawful. If you have received this transmission in error, please notify us immediately by return e-mail, and permanently delete this transmission, including attachments if any, from any computer.

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME **CHEMTECH CONSULTING GROUP, INC.**
CITY/STATE **MOUNTAINSIDE, NJ**

CASE NO. **41345** SDG NO. **MF4Q23**
SDG NOs TO FOLLOW _____ _____ _____
NRAS NO. _____

CONTRACT NO. **EPW09038**
SOW NO. **ISM01.2**

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

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK REGION
1. Inventory Sheet (DC-2)	1	2	√	✓
2. SDG Narrative	3	4	√	✓
3. Sample Log-In Sheet (DC-1)	5	7	√	✓
4. Traffic Report/Chain of Custody Record(s)	8	11	√	✓
5. Cover Page	12	13	√	✓
Inorganic Analysis				
6. Data Sheet (Form IA-IN)	14	31	√	✓
7. Initial & Continuing Calibration Verification (Form IIA-IN)	32	38	√	✓
8. Blanks (Form III-IN)	39	43	√	✓
9. ICP-AES Interference Check Sample (Form IVA-IN)				
10. ICP-MS Interference Check Sample (Form IVB-IN)	44	47	√	✓
11. Matrix Spike Sample Recovery (Form VA-IN)	48	48	√	✓
12. Post-Digestion Spike Sample Recovery (Form VB-IN)	49	49	√	✓
13. Duplicates (Form VI-IN)	50	50	√	✓
14. Laboratory Control Sample (Form VII-IN)	51	51	√	✓
15. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	52	52	√	✓
16. Method Detection Limits (Annually) (Form IX-IN)	53	53	√	✓
17. ICP-AES Interelement Correction Factors (Annually) (Form XA-IN)				
18. ICP-AES Interelement Correction Factors (Annually) (Form XB-IN)				
19. Internal Standard Association (Form XI-IN)	54	54	√	✓
20. Preparation Log (Form XII-IN)	55	55	√	✓

	PAGE NOs FROM	PAGE NOs TO	CHECK LAB	CHECK REGION
21. Analysis Run Log (Form XIII-IN)	56	60	√	✓
22. ICP-MS Tune (Form XIV-IN)	61	62	√	✓
23. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	63	72	√	✓
24. Initial Calibration (Form XVI-IN)	73	76	√	✓
25. ICP-AES Raw Data				
26. ICP-MS Raw Data	77	515	√	✓
27. Mercury Raw Data				
28. Cyanide Raw Data				
29. Preparation Logs Raw Data	516	518	√	✓
30. Percent Solids Determination Log				
31. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments _1__)	519	521	√	✓
Sample Tags (***In a Plastic Bag w/ Page #***)	527	527	√	✓
Sample Log-In Sheet (Lab)	522	525	√	✓
32. Misc. Shipping/Receiving Records (list all individual records)				
Telephone log				
33. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
Internal Lab COC	526	526	√	✓
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)
6/9/11 (Date)

Audited By:
~~(USEPA)~~ (Signature)
Sonya Meeking / Data Reviewer (Print Name & Title)
7/13/11 (Date)
ESAT

FORM DC-2-2 ISM01.2

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1717	Comp.	Grab

Station Location

Samplers (Signatures)

Tag Number 6- 476515

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Preservative

Case No: 41345
Sample No: MF4Q59
Station Location: GW-732-D
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-476515

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1717	Comp.	Grab

Station Location

Samplers (Signatures)

Tag Number 6- 476040

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Preservatives

Case No: 41345
Sample No: MF4Q58
Station Location: GW-732
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-476040

GPO U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1015	Comp.	Grab

Station Location

Samplers (Signatures)

Tag Number 6- 356932

Lab Sample No.

Concentration: ☐ L ☐ M ☐ H

Case No: 41345
Sample No: MF4Q29
Station Location: GW-094
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356932

Preservation

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1313 1304	Comp.	Grab

Tag Number 6-356928

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q25
Station Location: GW-091
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356928

Preservative:

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1119	Comp.	Grab

Station Location

Samplers (Signatures)

Tag Number
6-356927

Lab Sample No.

Concentration:
☐ L ☐ M ☐ H

Case No: 41345
Sample No: MF4Q24
Station Location: GW-029
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356927

Preservative:

★U.S. GOVERNMENT PRINTING OFFICE: 2003–561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1015	Comp.	Grab

Station Location

Samplers (Signatures)

Tag Number
6-356924

Concentration:
☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q21
Station Location: GW-104
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356924

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1445	Comp.	Grab

Tag Number 6-356923

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q20
Station Location: GW-046
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356923

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	0931	Comp.	Grab

Tag Number 6-356920

Station Location

Sampler(s) (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Preservative:

Case No: 41345
Sample No: MF4Q17
Station Location: GW-043
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc
Concentration: M
Tag No: 6-356920

★U.S. GOVERNMENT PRINTING OFFICE: 2003-491-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		05-19-11	0838	Comp.	Grab

Station Location

Samplers (Signatures)

Tag Number 6- 356939

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q22
Station Location: GW-105-MS/MD
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356939

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		05/19/11	0838	Comp.	Grab

Tag Number 6- 356935

Station Location

Samplers (Signatures)

Concentration:

☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q22
Station Location: GW-105-MS/MD
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356935

Preservative:

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-008

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1526	Comp.	Grab

Station Location

Samplers (Signatures)

Tag Number 6-356916

Lab Sample No.

Concentration: ☐ L ☐ M ☐ H

Case No: 41345
Sample No: MF4Q13
Station Location: GW-047
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2 ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356916

Preservative

☆U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		05-18-11	1722	Comp.	Grab

Tag Number 6- 476516

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q60
Station Location: GW-095-D
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2 ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-476516

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code / CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/19/11	834	Comp.	Grab

Station Location

Samplers (Signatures)

Tag Number 6-356934

Lab Sample No.

Concentration: ☐ L ☐ M ☐ H

Case No: 41345
Sample No: MF4Q31
Station Location: GW-097
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356934

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	1722	Comp.	Grab

Tag Number 6-356933

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q30
Station Location: GW-095
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc
Concentration: M
Tag No: 6-356933

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	935	Comp.	Grab

Tag Number 6- 356931

Station Location

Samplers (Signatures)

Concentration:

☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q28
Station Location: GW-093
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356931

★U.S. GOVERNMENT PRINTING OFFICE: 2008-681-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/14/11	910	Comp.	Grab

Tag Number 6- 356930

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Preservative:

Case No: 41345
Sample No: MF4Q27
Station Location: GW-092-D
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356930

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/18/11	910	Comp.	Grab

Tag Number 6- 356929

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q26
Station Location: GW-092
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356929

★U.S. GOVERNMENT PRINTING OFFICE: 2003-661-005

Project Code CLP Case No.	Station No.	Month/Day/Year 5/17/11	Time 1613	Designate: Comp.	Gra

Tag Number
6- 356926

Station Location

Sampler (Signatures)

Concentration:
☐ L ☐ M ☐ H

Lab Sample No.

Case No: 41345
Sample No: MF4Q23
Station Location: GW-260
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356926

Preservative:

★U.S. GOVERNMENT PRINTING OFFICE: 2003-561-005

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate:	
		5/7/11	1735	Comp.	Grab

Tag Number 6-356922

Station Location

Samplers (Signatures)

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Preservative:

Case No: 41345
Sample No: MF4Q19
Station Location: GW-045
Sample Type: Grab
Preservative: HNO3
Analysis: Total Metals ISM01.2,ICP-AES, Low-Med Conc.
Concentration: M
Tag No: 6-356922

★U.S. GOVERNMENT PRINTING OFFICE: 2003-581-005

PRIORITY® MAIL
UNITED STATES POSTAL SERVICE
Visit us at usps.com
Label 107R, January 2008

Priority Mail ComBasPrice
UNITED STATES POSTAGE
PITNEY BOWES
02 1M $ 14.86⁰
0004292930 JUL 15 2011
MAILED FROM ZIP CODE 77099

UNITED STATES POSTAGE
PITNEY BOWES

EPA
United States
Environmental Protection Agency
Region 6
Environmental Services Branch
10625 Fallstone Road

Official Business
Penalty for Private Use $300

V. Malott, 6SF-RA
US EPA Region 6
1445 Ross Ave., Ste. 1200
Dallas, TX 75202-2733

41345/MF4Q23

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE
CERTIFIED MAIL™
7007 0220 0000 8805 8515

VINCENT MALOTT
Location:
SUPERFUND
Sender:
EPA
07/18/11 11:37 1 of 1
071822113746