TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : 7471:

Run Date: 12/13/12 Analyst: DSH Instrument: 7474

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 12/14/12 Reviewed from 9:11 to 21:32

Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: Batch# 68700 Dupont, LCG, QSM

Level II

Reviewer: [signature] Date/Time: 12/14/12 Reviewed from 9:11 to 21:32

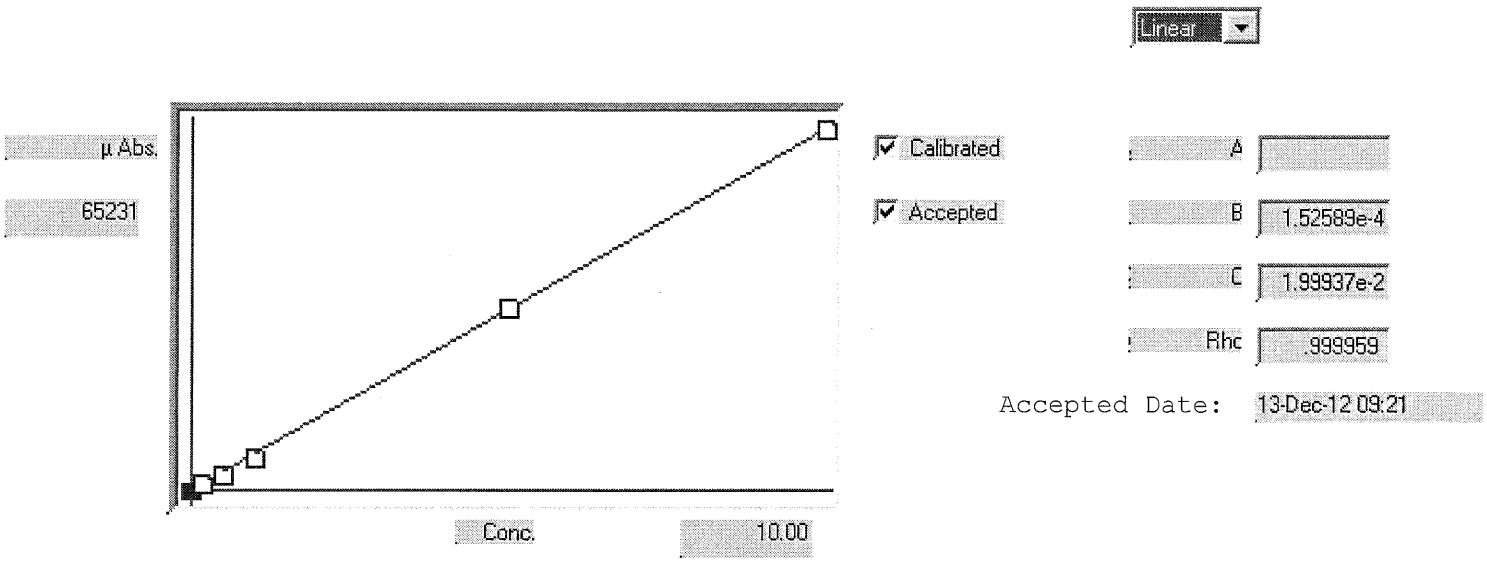
Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments _____

Curve Date 12/12/12 Curve Time 9:07 - 9:37 DILUTION H20 N/A

Revised 11/29/2012

Protocol: 1213BHG4



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0264	.0264	43	0	42				
02	.20000	.1881	-.0119	1102	0%	1102				
03	.50000	.4869	-.0131	3061	0%	3060				
04	1.0000	.9645	-.0355	6191	0%	6190				
05	5.0000	5.060	.0605	33034	0%	33033				
06	10.000	9.974	-.0265	65231	0%	65231				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		09:11:55 13 Dec 12			HG
Hg	.0000	ppb	42						
*** Standard: 2 Rep: 1				Seq: 2		09:13:48 13 Dec 12			HG
Hg	.2000	ppb	1102						
*** Standard: 3 Rep: 1				Seq: 3		09:15:47 13 Dec 12			HG
Hg	.5000	ppb	3060						
*** Standard: 4 Rep: 1				Seq: 4		09:17:37 13 Dec 12			HG
Hg	1.000	ppb	6190						
*** Standard: 5 Rep: 1				Seq: 5		09:19:27 13 Dec 12			HG
Hg	5.000	ppb	33033						
*** Standard: 6 Rep: 1				Seq: 6		09:21:26 13 Dec 12			HG
Hg	10.00	ppb	65231						

*** Check Standard: 2 Ck2ICV				Seq: 7		09:23:46 13 Dec 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		93.05	2.326	2.500	ppb	.0000			

*** Check Standard: 3 Ck3ICB				Seq: 8		09:25:36 13 Dec 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		^^^^^^	.0005	.0000	ppb	.0000			

*** Check Standard: 4 Ck4CRA\MRL				Seq: 9		09:27:44 13 Dec 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		96.90	.1938	.2000	ppb	.0000			

*** Check Standard: 6 Ck6CCV				Seq: 10		11:09:48 13 Dec 12			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		97.46	4.873	5.000	ppb	.0000			

*** Check Standard: 1 Ck1CCB				Seq: 11		11:11:42 13 Dec 12			HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.0084	.6000	ppb		.0000			

*** Sample ID:				Seq: 12		11:13:35 13 Dec 12			HG
				mb 240-68180/1-a					
Hg	.0266	ppb	.0000	.0266					

*** Sample ID:				Seq: 13		11:15:26 13 Dec 12			HG
				lcs 240-68180/2-a					
Hg	4.697	ppb	.0000	4.697					

*** Sample ID:				Seq: 14		11:17:26 13 Dec 12			HG
				240-18487-m-38-d					
Hg	.0716	ppb	.0000	.0716					

*** Sample ID:				Seq: 15		11:19:17 13 Dec 12			HG
				240-18487-m-38-e ms					
Hg	1.091	ppb	.0000	1.091					

*** Sample ID:				Seq: 16		11:21:15 13 Dec 12			HG
				240-18487-m-38-f msd					
Hg	1.088	ppb	.0000	1.088					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 17	11:23:13 13 Dec 12	HG		
				240-18487-f-18-b				
Hg	.1740	ppb	.0000	.1740				
*** Sample ID:				Seq: 18	11:25:17 13 Dec 12	HG		
				240-18560-c-2-b				
Hg	.0255	ppb	.0000	.0255				
*** Sample ID:				Seq: 19	11:27:09 13 Dec 12	HG		
				240-18566-e-6-b				
Hg	.1354	ppb	.0000	.1354				
*** Sample ID:				Seq: 20	11:29:49 13 Dec 12	HG		
				240-18487-e-39-b				
Hg	.1256	ppb	.0000	.1256				
*** Sample ID:				Seq: 21	11:31:50 13 Dec 12	HG		
				240-18566-f-5-b				
Hg	.1311	ppb	.0000	.1311				

*** Check Standard: 6 Ck6CCV Seq: 22 11:33:38 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.1	5.004	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 23 11:35:40 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0052	.6000	ppb	.0000

*** Sample ID:				Seq: 24	11:37:29 13 Dec 12	HG		
				240-18560-e-1-b				
Hg	.0420	ppb	.0000	.0420				
*** Sample ID:				Seq: 25	11:39:19 13 Dec 12	HG		
				240-18566-e-9-b				
Hg	.0731	ppb	.0000	.0731				
*** Sample ID:				Seq: 26	11:41:18 13 Dec 12	HG		
				240-18487-g-41-b				
Hg	.2110	ppb	.0000	.2110				
*** Sample ID:				Seq: 27	11:43:46 13 Dec 12	HG		
				240-18560-d-3-b				
Hg	.0296	ppb	.0000	.0296				
*** Sample ID:				Seq: 28	11:45:46 13 Dec 12	HG		
				240-18566-e-16-b				
Hg	.1529	ppb	.0000	.1529				
*** Sample ID:				Seq: 29	11:47:35 13 Dec 12	HG		
				240-18566-e-25-b				
Hg	.0499	ppb	.0000	.0499				
*** Sample ID:				Seq: 30	11:49:45 13 Dec 12	HG		
				240-18539-a-1-e				
Hg	.0262	ppb	.0000	.0262				
*** Sample ID:				Seq: 31	11:51:47 13 Dec 12	HG		
				240-18590-b-1-b				
Hg	.9248	ppb	.0000	.9248				
*** Sample ID:				Seq: 32	11:53:36 13 Dec 12	HG		
				240-18566-f-23-b				
Hg	.1341	ppb	.0000	.1341				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 33	11:55:46 13 Dec 12	HG		
				240-18487-e-15-b				
Hg	.0880	ppb	.0000	.0880				
*** Check Standard: 6 Ck6CCV				Seq: 34	11:57:36 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.1	5.054	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 35	11:59:34 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0110	.6000	ppb	.0000			
*** Sample ID:				Seq: 36	12:02:14 13 Dec 12	HG		
				240-18487-f-20-b				
Hg	.1459	ppb	.0000	.1459				
*** Sample ID:				Seq: 37	12:04:14 13 Dec 12	HG		
				240-18566-e-20-b				
Hg	.1712	ppb	.0000	.1712				
*** Sample ID:				Seq: 38	12:06:13 13 Dec 12	HG		
				240-18566-e-17-b				
Hg	.0726	ppb	.0000	.0726				
*** Sample ID:				Seq: 39	12:08:46 13 Dec 12	HG		
				mb 240-67596/1-a				
Hg	.0275	ppb	.0000	.0275				
*** Sample ID:				Seq: 40	12:11:04 13 Dec 12	HG		
				lcs 240-67596/2-a				
Hg	4.478	ppb	.0000	4.478				
*** Sample ID:				Seq: 41	12:12:58 13 Dec 12	HG		
				240-18358-b-1-f				
Hg	6.974	ppb	.0000	6.974				
*** Sample ID:				Seq: 42	12:14:50 13 Dec 12	HG		
				240-18358-b-1-g ms				
Hg	11.86 H	ppb	.0000	11.86				
*** Sample ID:				Seq: 43	12:17:03 13 Dec 12	HG		
				240-18358-b-1-h msd				
Hg	7.000	ppb	.0000	7.000				
*** Sample ID:				Seq: 44	12:19:14 13 Dec 12	HG		
				240-18358-b-14-b				
Hg	1.197	ppb	.0000	1.197				
*** Sample ID:				Seq: 45	12:21:19 13 Dec 12	HG		
				240-18358-b-6-b				
Hg	3.375	ppb	.0000	3.375				
*** Check Standard: 6 Ck6CCV				Seq: 46	12:23:37 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.3	5.016	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 47	12:25:47 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0009	.6000	ppb	.0000			
*** Sample ID:				Seq: 48	12:27:38 13 Dec 12	HG		
				240-18358-b-10-b				
Hg	2.900	ppb	.0000	2.900				

2X 2X 2X

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49	12:29:28 13 Dec 12	HG		
				240-18358-b-13-b				
Hg	1.005	ppb	.0000	1.005				
*** Sample ID:				Seq: 50	12:31:18 13 Dec 12	HG		
				240-18358-b-12-b				
Hg	1.485	ppb	.0000	1.485				
*** Sample ID:				Seq: 51	12:33:10 13 Dec 12	HG		
				240-18358-b-7-b				
Hg	3.242	ppb	.0000	3.242				
*** Sample ID:				Seq: 52	12:36:20 13 Dec 12	HG		
				240-18358-b-8-b				
Hg	3.444	ppb	.0000	3.444				
*** Sample ID:				Seq: 53	12:38:29 13 Dec 12	HG		
				240-18358-b-15-b				
Hg	1.380	ppb	.0000	1.380				
*** Sample ID:				Seq: 54	12:40:31 13 Dec 12	HG		
				240-18358-b-4-b				
2X Hg	13.08 H	ppb	.0000	13.08				
*** Sample ID:				Seq: 55	12:42:21 13 Dec 12	HG		
				240-18358-b-9-b				
Hg	4.113	ppb	.0000	4.113				
*** Sample ID:				Seq: 56	12:44:30 13 Dec 12	HG		
				240-18358-b-2-b				
2X Hg	12.95 H	ppb	.0000	12.95				
*** Sample ID:				Seq: 57	12:46:49 13 Dec 12	HG		
				240-18358-b-5-b				
2X Hg	10.72 H	ppb	.0000	10.72				

*** Check Standard: 6 Ck6CCV Seq: 58 12:48:44 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.11	4.956	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 59 12:50:42 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0121	.6000	ppb	.0000

*** Sample ID:				Seq: 60	12:52:45 13 Dec 12	HG		
				240-18358-b-3-b				
2X Hg	12.67 H	ppb	.0000	12.67				
*** Sample ID:				Seq: 61	12:54:48 13 Dec 12	HG		
				240-18358-b-11-b				
Hg	.2074	ppb	.0000	.2074				
*** Sample ID:				Seq: 62	12:56:48 13 Dec 12	HG		
				mb 240-67618/1-a				
Hg	.0255	ppb	.0000	.0255				
*** Sample ID:				Seq: 63	12:59:18 13 Dec 12	HG		
				lcs 240-67618/2-a				
Hg	4.405	ppb	.0000	4.405				
*** Sample ID:				Seq: 64	13:01:09 13 Dec 12	HG		
				240-18358-b-16-f				
Hg	4.203	ppb	.0000	4.203				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 65	13:02:59 13 Dec 12	HG		
				240-18358-b-16-g ms				
Hg	4.419	ppb	.0000	4.419				
*** Sample ID:				Seq: 66	13:04:50 13 Dec 12	HG		
				~~LoKGR0GCLBCG-TQA~~ 240-18358-b-16-g-MSD 12/14/12 DSH				
Hg	3.711	ppb	.0000	3.711				
*** Sample ID:				Seq: 67	13:06:41 13 Dec 12	HG		
				240-18358-b-19-b				
Hg	.2956	ppb	.0000	.2956				
*** Sample ID:				Seq: 68	13:08:43 13 Dec 12	HG		
				240-18358-b-24-b				
Hg	1.377	ppb	.0000	1.377				
*** Sample ID:				Seq: 69	13:10:47 13 Dec 12	HG		
				240-18358-b-27-b				
Hg	.9503	ppb	.0000	.9503				
*** Check Standard: 6 Ck6CCV				Seq: 70	13:12:59 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.8	5.089	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 71	13:14:50 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0070	.6000	ppb	.0000			
*** Sample ID:				Seq: 72	13:16:44 13 Dec 12	HG		
				240-18358-b-30-b				
Hg	.2206	ppb	.0000	.2206				
*** Sample ID:				Seq: 73	13:19:07 13 Dec 12	HG		
				240-18358-b-17-b				
5X Hg	28.73 H	ppb	.0000	28.73				
*** Sample ID:				Seq: 74	13:21:10 13 Dec 12	HG		
				240-18358-b-21-b				
Hg	5.900	ppb	.0000	5.900				
*** Sample ID:				Seq: 75	13:23:23 13 Dec 12	HG		
				240-18358-b-18-b				
2X Hg	11.73 H	ppb	.0000	11.73				
*** Sample ID:				Seq: 76	13:25:44 13 Dec 12	HG		
				240-18358-b-26-b				
Hg	1.283	ppb	.0000	1.283				
*** Sample ID:				Seq: 77	13:27:34 13 Dec 12	HG		
				240-18358-b-25-b				
Hg	1.518	ppb	.0000	1.518				
*** Sample ID:				Seq: 78	13:29:24 13 Dec 12	HG		
				240-18358-b-22-b				
Hg	2.772	ppb	.0000	2.772				
*** Sample ID:				Seq: 79	13:31:16 13 Dec 12	HG		
				240-18358-b-28-b				
Hg	.3000	ppb	.0000	.3000				
*** Sample ID:				Seq: 80	13:33:18 13 Dec 12	HG		
				240-18358-b-23-b				
Hg	.7623	ppb	.0000	.7623				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 81 13:35:18 13 Dec 12 HG
240-18358-b-29-b
Hg .2423 ppb .0000 .2423

*** Check Standard: 6 Ck6CCV Seq: 82 13:37:07 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.9	5.046	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 83 13:38:57 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0143	.6000	ppb	.0000

*** Sample ID: Seq: 84 13:41:17 13 Dec 12 HG
240-18358-b-20-b
Hg .9288 ppb .0000 .9288

*** Sample ID: Seq: 85 13:43:11 13 Dec 12 HG
mb 240-68192/1-a
Hg .0218 ppb .0000 .0218

*** Sample ID: Seq: 86 13:45:13 13 Dec 12 HG
lcs 240-68192/2-a
Hg 4.831 ppb .0000 4.831

*** Sample ID: Seq: 87 13:47:13 13 Dec 12 HG
240-18297-o-9-a
Hg .0610 ppb .0000 .0610

*** Sample ID: Seq: 88 13:49:04 13 Dec 12 HG
240-18297-o-9-b du
Hg .0534 ppb .0000 .0534

*** Sample ID: Seq: 89 13:51:00 13 Dec 12 HG
240-18297-o-9-c ms
Hg 1.022 ppb .0000 1.022

*** Sample ID: Seq: 90 13:52:55 13 Dec 12 HG
240-18297-o-15-d
Hg .2338 ppb .0000 .2338

*** Sample ID: Seq: 91 13:55:07 13 Dec 12 HG
240-18297-o-15-e du
Hg .1794 ppb .0000 .1794

*** Sample ID: Seq: 92 13:57:18 13 Dec 12 HG
240-18297-o-15-f ms
Hg 1.174 ppb .0000 1.174

*** Sample ID: Seq: 93 13:59:11 13 Dec 12 HG
240-18441-h-7-b
Hg .1840 ppb .0000 .1840

*** Check Standard: 6 Ck6CCV Seq: 94 14:01:00 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.1	5.054	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 95 14:02:54 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0053	.6000	ppb	.0000

*** Sample ID: Seq: 96 14:04:44 13 Dec 12 HG
240-18297-h-11-c
Hg .0713 ppb .0000 .0713

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 97	14:06:38 13 Dec 12	HG		
				240-18441-h-6-b				
Hg	.1175	ppb	.0000	.1175				
*** Sample ID:				Seq: 98	14:08:38 13 Dec 12	HG		
				240-18297-h-16-c				
Hg	.1314	ppb	.0000	.1314				
*** Sample ID:				Seq: 99	14:10:31 13 Dec 12	HG		
				240-18441-h-8-b				
Hg	.1155	ppb	.0000	.1155				
*** Sample ID:				Seq: 100	14:12:43 13 Dec 12	HG		
				240-18441-h-2-b				
Hg	.1863	ppb	.0000	.1863				
*** Sample ID:				Seq: 101	14:14:35 13 Dec 12	HG		
				240-18441-h-3-b				
Hg	.1846	ppb	.0000	.1846				
*** Sample ID:				Seq: 102	14:16:25 13 Dec 12	HG		
				240-18441-h-1-b				
Hg	.1411	ppb	.0000	.1411				
*** Sample ID:				Seq: 103	14:18:26 13 Dec 12	HG		
				240-18441-h-4-b				
Hg	.0861	ppb	.0000	.0861				
*** Sample ID:				Seq: 104	14:20:27 13 Dec 12	HG		
				240-18297-h-12-c				
Hg	.0839	ppb	.0000	.0839				
*** Sample ID:				Seq: 105	14:23:00 13 Dec 12	HG		
				240-18297-h-19-b				
Hg	.1480	ppb	.0000	.1480				

*** Check Standard: 6 Ck6CCV			Seq: 106	14:24:49 13 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.07	4.903	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB			Seq: 107	14:26:57 13 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0011	.6000	ppb	.0000

*** Sample ID:				Seq: 108	14:28:47 13 Dec 12	HG		
				240-18297-h-10-d				
Hg	.0754	ppb	.0000	.0754				
*** Sample ID:				Seq: 109	14:31:08 13 Dec 12	HG		
				240-18297-h-18-b				
Hg	.1506	ppb	.0000	.1506				
*** Sample ID:				Seq: 110	14:33:02 13 Dec 12	HG		
				240-18297-h-17-c				
Hg	.1640	ppb	.0000	.1640				
*** Sample ID:				Seq: 111	14:34:54 13 Dec 12	HG		
				240-18297-h-20-b				
Hg	.1189	ppb	.0000	.1189				
*** Sample ID:				Seq: 112	14:37:30 13 Dec 12	HG		
				240-18297-h-21-b				
Hg	.2234	ppb	.0000	.2234				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 113	14:39:21 13 Dec 12	HG		
				240-18297-h-13-c				
Hg	.0624	ppb	.0000	.0624				
*** Sample ID:				Seq: 114	14:41:11 13 Dec 12	HG		
				240-18297-h-22-b				
Hg	.1260	ppb	.0000	.1260				
*** Check Standard: 6 Ck6CCV				Seq: 115	14:49:15 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.6	5.030	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 116	14:51:19 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0058	.6000	ppb	.0000			
*** Sample ID:				Seq: 117	14:53:11 13 Dec 12	HG		
				mb 240-67780/1-a				
Hg	.0386	ppb	.0000	.0386				
*** Sample ID:				Seq: 118	14:54:59 13 Dec 12	HG		
				lcs 240-67780/2-a				
Hg	4.370	ppb	.0000	4.370				
*** Sample ID:				Seq: 119	14:56:57 13 Dec 12	HG		
				240-18434-b-22-f				
Hg	4.698	ppb	.0000	4.698				
*** Sample ID:				Seq: 120	14:58:58 13 Dec 12	HG		
				240-18434-b-22-g ms				
Hg	3.637	ppb	.0000	3.637				
*** Sample ID:				Seq: 121	15:01:11 13 Dec 12	HG		
				240-18434-b-22-h msd				
Hg	3.820	ppb	.0000	3.820				
*** Sample ID:				Seq: 122	15:03:03 13 Dec 12	HG		
				240-18434-b-33-b				
Hg	3.187	ppb	.0000	3.187				
*** Sample ID:				Seq: 123	15:05:24 13 Dec 12	HG		
				240-18434-b-38-b				
Hg	1.316	ppb	.0000	1.316				
*** Sample ID:				Seq: 124	15:07:13 13 Dec 12	HG		
				240-18434-b-29-b				
Hg	1.911	ppb	.0000	1.911				
*** Sample ID:				Seq: 125	15:09:16 13 Dec 12	HG		
				240-18434-b-28-b				
Hg	3.625	ppb	.0000	3.625				
*** Sample ID:				Seq: 126	15:11:25 13 Dec 12	HG		
				240-18434-b-32-b				
Hg	3.223	ppb	.0000	3.223				
*** Check Standard: 6 Ck6CCV				Seq: 127	15:13:15 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.64	4.982	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 128	15:15:03 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0366	.6000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 129	15:17:04 13 Dec 12	HG		
				240-18434-b-36-b				
Hg	9.570	ppb	.0000	9.570				
*** Sample ID:				Seq: 130	15:18:55 13 Dec 12	HG		
				240-18434-b-24-b				
Hg	2.767	ppb	.0000	2.767				
*** Sample ID:				Seq: 131	15:20:54 13 Dec 12	HG		
				240-18434-b-35-b				
Hg	2.939	ppb	.0000	2.939				
*** Sample ID:				Seq: 132	15:22:54 13 Dec 12	HG		
				240-18434-b-27-b				
Hg	7.068	ppb	.0000	7.068				
*** Sample ID:				Seq: 133	15:24:56 13 Dec 12	HG		
				240-18434-b-26-b				
Hg	8.246	ppb	.0000	8.246				
*** Sample ID:				Seq: 134	15:27:01 13 Dec 12	HG		
				240-18434-b-34-b				
Hg	2.712	ppb	.0000	2.712				
*** Sample ID:				Seq: 135	15:29:03 13 Dec 12	HG		
				240-18434-b-30-b				
Hg	6.346	ppb	.0000	6.346				
*** Sample ID:				Seq: 136	15:30:57 13 Dec 12	HG		
				240-18434-b-25-b				
Hg	9.235	ppb	.0000	9.235				
*** Sample ID:				Seq: 137	15:32:57 13 Dec 12	HG		
				240-18434-b-31-b				
Hg	5.776	ppb	.0000	5.776				
*** Sample ID:				Seq: 138	15:35:47 13 Dec 12	HG		
				240-18434-b-37-b				
Hg	1.390	ppb	.0000	1.390				

*** Check Standard: 6 Ck6CCV Seq: 139 15:38:31 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.5	5.024	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 140 15:40:24 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0096	.6000	ppb	.0000

*** Sample ID:				Seq: 141	15:42:12 13 Dec 12	HG		
				240-18434-b-23-b				
Hg	3.208	ppb	.0000	3.208				
*** Sample ID:				Seq: 142	15:44:24 13 Dec 12	HG		
				mb 240-67764/1-a				
Hg	.0353	ppb	.0000	.0353				
*** Sample ID:				Seq: 143	15:46:47 13 Dec 12	HG		
				lcs 240-67764/2-a				
Hg	4.429	ppb	.0000	4.429				
*** Sample ID:				Seq: 144	15:48:55 13 Dec 12	HG		
				240-18434-b-1-f				
Hg	1.385	ppb	.0000	1.385				

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:					Seq: 145	15:50:52 13 Dec 12			HG
				240-18434-b-1-g ms					
Hg	2.333	ppb	.0000	2.333					
*** Sample ID:					Seq: 146	15:53:50 13 Dec 12			HG
				240-18434-b-1-h msd					
Hg	2.072	ppb	.0000	2.072					
*** Sample ID:					Seq: 147	15:55:39 13 Dec 12			HG
				240-18434-b-18-b					
Hg	2.688	ppb	.0000	2.688					
*** Sample ID:					Seq: 148	15:57:31 13 Dec 12			HG
				240-18434-b-16-b					
Hg	.6984	ppb	.0000	.6984					
*** Sample ID:					Seq: 149	15:59:50 13 Dec 12			HG
				240-18434-b-19-b					
Hg	3.454	ppb	.0000	3.454					
*** Sample ID:					Seq: 150	16:01:43 13 Dec 12			HG
				240-18434-b-3-b					
Hg	1.978	ppb	.0000	1.978					

*** Check Standard: 6 Ck6CCV				Seq: 151	16:06:20 13 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.13	4.957	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 152	16:08:28 13 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD
Hg		.0122	.6000	ppb		.0000

*** Sample ID:					Seq: 153	16:11:11 13 Dec 12			HG
				240-18434-b-5-b					
10X Hg	62.26 H	ppb	.0000	62.26					
*** Sample ID:					Seq: 154	16:13:22 13 Dec 12			HG
				240-18434-b-4-b					
Hg	2.867	ppb	.0000	2.867					
*** Sample ID:					Seq: 155	16:15:47 13 Dec 12			HG
				240-18434-b-14-b					
2X Hg	10.51 H	ppb	.0000	10.51					
*** Sample ID:					Seq: 156	16:18:11 13 Dec 12			HG
				240-18434-b-13-b					
Hg	9.557	ppb	.0000	9.557					
*** Sample ID:					Seq: 157	16:20:04 13 Dec 12			HG
				240-18434-b-6-b					
10X Hg	39.52 H	ppb	.0000	39.52					
*** Sample ID:					Seq: 158	16:22:22 13 Dec 12			HG
				240-18434-b-7-b					
2X Hg	12.70 H	ppb	.0000	12.70					
*** Sample ID:					Seq: 159	16:24:23 13 Dec 12			HG
				240-18434-b-17-b					
Hg	1.533	ppb	.0000	1.533					
*** Sample ID:					Seq: 160	16:26:22 13 Dec 12			HG
				240-18434-b-8-b					
10X Hg	66.90 H	ppb	.0000	66.90					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 161	16:29:03 13 Dec 12	HG		
				240-18434-b-2-b				
Hg	1.335	ppb	.0000	1.335				
*** Sample ID:				Seq: 162	16:32:05 13 Dec 12	HG		
				240-18434-b-20-b				
Hg	4.007	ppb	.0000	4.007				

*** Check Standard: 6 Ck6CCV Seq: 163 16:34:14 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.66	4.983	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 164 16:36:05 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0171	.6000	ppb	.0000

*** Sample ID:				Seq: 165	16:38:07 13 Dec 12	HG		
				240-18434-b-21-b				
Hg	9.985	ppb	.0000	9.985				
*** Sample ID:				Seq: 166	16:41:38 13 Dec 12	HG		
				240-18434-b-15-b				
Hg	5.035	ppb	.0000	5.035				
*** Sample ID:				Seq: 167	16:43:31 13 Dec 12	HG		
				mb 240-68005/1-a				
Hg	.0003	ppb	.0000	.0003				
*** Sample ID:				Seq: 168	16:45:21 13 Dec 12	HG		
				lcs 240-68005/2-a				
Hg	4.450	ppb	.0000	4.450				
*** Sample ID:				Seq: 169	16:47:12 13 Dec 12	HG		
				240-18481-c-2-f				
Hg	.0633	ppb	.0000	.0633				
*** Sample ID:				Seq: 170	16:49:02 13 Dec 12	HG		
				240-18481-c-2-g ms				
Hg	.9866	ppb	.0000	.9866				
*** Sample ID:				Seq: 171	16:50:51 13 Dec 12	HG		
				240-18481-c-2-h msd				
Hg	.9839	ppb	.0000	.9839				
*** Sample ID:				Seq: 172	16:53:11 13 Dec 12	HG		
				240-18507-b-5-b				
Hg	.8377	ppb	.0000	.8377				
*** Sample ID:				Seq: 173	16:55:12 13 Dec 12	HG		
				240-18481-c-4-b				
Hg	.1793	ppb	.0000	.1793				
*** Sample ID:				Seq: 174	16:57:13 13 Dec 12	HG		
				240-18507-b-1-b				
Hg	1.211	ppb	.0000	1.211				

*** Check Standard: 6 Ck6CCV Seq: 175 16:59:02 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.61	4.980	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 176 17:01:04 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0066	.6000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 177 17:03:13 13 Dec 12 HG
240-18507-b-8-b
Hg 11.57 H ppb .0000 11.57

*** Sample ID: Seq: 178 17:05:13 13 Dec 12 HG
240-18481-c-3-b
Hg .0095 ppb .0000 .0095

*** Sample ID: Seq: 179 17:07:15 13 Dec 12 HG
240-18507-b-4-b
Hg 1.127 ppb .0000 1.127

*** Sample ID: Seq: 180 17:09:16 13 Dec 12 HG
240-18481-c-5-b
Hg .1654 ppb .0000 .1654

*** Sample ID: Seq: 181 17:11:09 13 Dec 12 HG
240-18507-b-11-b
Hg .9520 ppb .0000 .9520

*** Sample ID: Seq: 182 17:13:11 13 Dec 12 HG
240-18507-b-6-b
Hg 15.30 H ppb .0000 15.30

*** Sample ID: Seq: 183 17:15:23 13 Dec 12 HG
240-18507-b-3-b
Hg 1.303 ppb .0000 1.303

*** Sample ID: Seq: 184 17:17:36 13 Dec 12 HG
240-18507-b-12-b
Hg 5.269 ppb .0000 5.269

*** Sample ID: Seq: 185 17:19:28 13 Dec 12 HG
240-18507-b-9-b
Hg 3.355 ppb .0000 3.355

*** Sample ID: Seq: 186 17:21:58 13 Dec 12 HG
240-18507-b-13-b
Hg 2.722 ppb .0000 2.722

*** Check Standard: 6 Ck6CCV Seq: 187 17:24:00 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.1	5.005	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 188 17:25:48 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0166	.6000	ppb	.0000

*** Sample ID: Seq: 189 17:28:18 13 Dec 12 HG
240-18507-b-2-b
Hg .7599 ppb .0000 .7599

*** Sample ID: Seq: 190 17:30:17 13 Dec 12 HG
240-18473-f-3-b
Hg .9660 ppb .0000 .9660

*** Sample ID: Seq: 191 17:32:19 13 Dec 12 HG
240-18473-f-4-b
Hg .0517 ppb .0000 .0517

*** Sample ID: Seq: 192 17:34:09 13 Dec 12 HG
240-18507-b-10-b
Hg 8.058 ppb .0000 8.058

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 193	17:36:02 13 Dec 12	HG		
				240-18473-f-5-b				
Hg	.1463	ppb	.0000	.1463				
*** Sample ID:				Seq: 194	17:38:16 13 Dec 12	HG		
				240-18507-b-7-b				
Hg	12.57 H	ppb	.0000	12.57				
*** Sample ID:				Seq: 195	17:40:07 13 Dec 12	HG		
				mb 240-68016/1-a				
Hg	-.0746	ppb	.0000	-.0746				
*** Sample ID:				Seq: 196	17:41:58 13 Dec 12	HG		
				lcs 240-68016/2-a				
Hg	4.471	ppb	.0000	4.471				
*** Sample ID:				Seq: 197	17:43:49 13 Dec 12	HG		
				240-18507-b-14-f				
Hg	3.676	ppb	.0000	3.676				
*** Sample ID:				Seq: 198	17:45:51 13 Dec 12	HG		
				240-18507-b-14-g ms				
Hg	5.454	ppb	.0000	5.454				
*** Check Standard: 6 Ck6CCV				Seq: 199	17:47:55 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.16	4.958	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 200	17:49:53 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0043	.6000	ppb	.0000			
*** Sample ID:				Seq: 201	17:51:56 13 Dec 12	HG		
				240-18507-b-14-h msd				
Hg	7.644	ppb	.0000	7.644				
*** Check Standard: 6 Ck6CCV				Seq: 202	17:54:30 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.18	4.959	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 203	17:56:28 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0017	.6000	ppb	.0000			
*** Sample ID:				Seq: 204	17:58:18 13 Dec 12	HG		
				240-18507-b-18-b				
Hg	26.08 H	ppb	.0000	26.08				
*** Sample ID:				Seq: 205	18:00:29 13 Dec 12	HG		
				240-18507-b-15-b				
Hg	6.856	ppb	.0000	6.856				
*** Sample ID:				Seq: 206	18:03:19 13 Dec 12	HG		
				240-18507-b-21-b				
Hg	.2889	ppb	.0000	.2889				
*** Sample ID:				Seq: 207	18:05:11 13 Dec 12	HG		
				240-18507-b-23-b				
Hg	12.25 H	ppb	.0000	12.25				
*** Sample ID:				Seq: 208	18:07:12 13 Dec 12	HG		
				240-18507-b-16-b				
Hg	8.160	ppb	.0000	8.160				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 209	18:09:10 13 Dec 12	HG		
				240-18507-b-22-b				
Hg	1.266	ppb	.0000	1.266				
*** Sample ID:				Seq: 210	18:11:12 13 Dec 12	HG		
				240-18507-b-19-b				
Hg	.2419	ppb	.0000	.2419				
*** Sample ID:				Seq: 211	18:13:04 13 Dec 12	HG		
				240-18507-b-17-b				
Hg	7.644	ppb	.0000	7.644				
*** Sample ID:				Seq: 212	18:14:55 13 Dec 12	HG		
				240-18507-b-20-b				
Hg	.3113	ppb	.0000	.3113				
*** Sample ID:				Seq: 213	18:16:49 13 Dec 12	HG		
				240-18507-b-26-b				
Hg	16.13 H	ppb	.0000	16.13				

3X

*** Check Standard: 6 Ck6CCV Seq: 214 18:18:51 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.18	4.909	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 215 18:21:11 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0099	.6000	ppb	.0000

*** Sample ID:				Seq: 216	18:23:02 13 Dec 12	HG		
				240-18507-b-25-b				
Hg	15.92 H	ppb	.0000	15.92				

3X

*** Sample ID:				Seq: 217	18:25:15 13 Dec 12	HG		
				240-18507-b-24-b				
Hg	13.30 H	ppb	.0000	13.30				

2X

*** Sample ID:				Seq: 218	18:28:07 13 Dec 12	HG		
				mb 240-68194/1-a				
Hg	.0200	ppb	.0000	.0200				
*** Sample ID:				Seq: 219	18:29:55 13 Dec 12	HG		
				lcs 240-68194/2-a				
Hg	4.753	ppb	.0000	4.753				
*** Sample ID:				Seq: 220	18:31:55 13 Dec 12	HG		
				240-18566-l-50-d				
Hg	.1198	ppb	.0000	.1198				
*** Sample ID:				Seq: 221	18:33:47 13 Dec 12	HG		
				240-18566-l-50-e ms				
Hg	1.202	ppb	.0000	1.202				
*** Sample ID:				Seq: 222	18:35:36 13 Dec 12	HG		
				240-18566-l-50-f msd				
Hg	1.229	ppb	.0000	1.229				
*** Sample ID:				Seq: 223	18:38:06 13 Dec 12	HG		
				240-18556-b-11-b				
Hg	4.509	ppb	.0000	4.509				
*** Sample ID:				Seq: 224	18:40:20 13 Dec 12	HG		
				240-18556-b-5-b				
Hg	8.095	ppb	.0000	8.095				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 225	18:42:44 13 Dec 12	HG		
				240-18556-b-7-b				
Hg	10.65 H	ppb	.0000	10.65				
*** Check Standard: 6 Ck6CCV				Seq: 226	18:44:37 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.64	4.932	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 227	18:46:29 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0148	.6000	ppb	.0000			
*** Sample ID:				Seq: 228	18:48:17 13 Dec 12	HG		
				240-18556-b-1-d				
Hg	.6461	ppb	.0000	.6461				
*** Sample ID:				Seq: 229	18:50:11 13 Dec 12	HG		
				240-18556-b-8-b				
Hg	5.831	ppb	.0000	5.831				
*** Sample ID:				Seq: 230	18:52:16 13 Dec 12	HG		
				240-18566-f-37-b				
Hg	.3049	ppb	.0000	.3049				
*** Sample ID:				Seq: 231	18:54:09 13 Dec 12	HG		
				240-18566-e-43-b				
Hg	.1245	ppb	.0000	.1245				
*** Sample ID:				Seq: 232	18:56:01 13 Dec 12	HG		
				240-18556-b-2-b				
Hg	1.231	ppb	.0000	1.231				
*** Sample ID:				Seq: 233	18:58:20 13 Dec 12	HG		
				240-18556-b-3-b				
Hg	.7156	ppb	.0000	.7156				
*** Sample ID:				Seq: 234	19:00:10 13 Dec 12	HG		
				240-18556-b-9-b				
Hg	6.392	ppb	.0000	6.392				
*** Sample ID:				Seq: 235	19:02:03 13 Dec 12	HG		
				240-18556-b-13-b				
Hg	1.006	ppb	.0000	1.006				
*** Sample ID:				Seq: 236	19:04:15 13 Dec 12	HG		
				240-18566-e-47-b				
Hg	.1039	ppb	.0000	.1039				
*** Sample ID:				Seq: 237	19:06:04 13 Dec 12	HG		
				240-18566-f-36-b				
Hg	.1515	ppb	.0000	.1515				
*** Check Standard: 6 Ck6CCV				Seq: 238	19:08:01 13 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.62	4.981	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 239	19:09:59 13 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0067	.6000	ppb	.0000			
*** Sample ID:				Seq: 240	19:11:50 13 Dec 12	HG		
				240-18556-b-10-b				
Hg	3.703	ppb	.0000	3.703				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 241	19:14:04 13 Dec 12	HG		
				240-18566-f-31-b				
Hg	.1723	ppb	.0000	.1723				
*** Sample ID:				Seq: 242	19:15:56 13 Dec 12	HG		
				240-18556-b-4-b				
Hg	3.154	ppb	.0000	3.154				
*** Sample ID:				Seq: 243	19:17:49 13 Dec 12	HG		
				240-18556-b-6-b				
Hg	6.314	ppb	.0000	6.314				
*** Sample ID:				Seq: 244	19:19:40 13 Dec 12	HG		
				240-18556-b-12-b				
Hg	2.426	ppb	.0000	2.426				
*** Sample ID:				Seq: 245	19:21:31 13 Dec 12	HG		
				mb 240-68177/1-a				
Hg	.0063	ppb	.0000	.0063				
*** Sample ID:				Seq: 246	19:23:50 13 Dec 12	HG		
				lcs 240-68177/2-a				
Hg	4.836	ppb	.0000	4.836				
*** Sample ID:				Seq: 247	19:25:39 13 Dec 12	HG		
				240-18441-u-11-d				
Hg	-.0030	ppb	.0000	-.0030				
*** Sample ID:				Seq: 248	19:27:28 13 Dec 12	HG		
				240-18441-u-11-e du				
Hg	.0514	ppb	.0000	.0514				
*** Sample ID:				Seq: 249	19:29:59 13 Dec 12	HG		
				240-18441-u-11-f ms				
Hg	1.047	ppb	.0000	1.047				

*** Check Standard: 6 Ck6CCV Seq: 250 19:31:50 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.25	4.963	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 251 19:33:40 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0162	.6000	ppb	.0000

*** Sample ID:				Seq: 252	19:35:31 13 Dec 12	HG		
				240-18441-c-21-h				
Hg	.1791	ppb	.0000	.1791				
*** Sample ID:				Seq: 253	19:37:41 13 Dec 12	HG		
				240-18441-c-21-i du				
Hg	.2013	ppb	.0000	.2013				
*** Sample ID:				Seq: 254	19:40:01 13 Dec 12	HG		
				240-18441-c-21-j ms				
Hg	1.222	ppb	.0000	1.222				
*** Sample ID:				Seq: 255	19:42:11 13 Dec 12	HG		
				240-18449-h-6-b				
Hg	.0728	ppb	.0000	.0728				
*** Sample ID:				Seq: 256	19:44:23 13 Dec 12	HG		
				240-18441-b-27-c				
Hg	.3476	ppb	.0000	.3476				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 257	19:46:12 13 Dec 12	HG		
				240-18441-h-12-b				
Hg	.1299	ppb	.0000	.1299				
*** Sample ID:				Seq: 258	19:48:22 13 Dec 12	HG		
				240-18441-b-25-c				
Hg	.1355	ppb	.0000	.1355				
*** Sample ID:				Seq: 259	19:50:34 13 Dec 12	HG		
				240-18441-b-26-c				
Hg	.1624	ppb	.0000	.1624				
*** Sample ID:				Seq: 260	19:53:33 13 Dec 12	HG		
				240-18449-h-5-b				
Hg	.0707	ppb	.0000	.0707				
*** Sample ID:				Seq: 261	19:55:34 13 Dec 12	HG		
				240-18441-h-14-b				
Hg	.0443	ppb	.0000	.0443				

*** Check Standard: 6 Ck6CCV Seq: 262 19:57:35 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.07	4.954	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 263 19:59:26 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0108	.6000	ppb	.0000

*** Sample ID:				Seq: 264	20:01:18 13 Dec 12	HG		
				240-18449-h-4-b				
Hg	.0662	ppb	.0000	.0662				
*** Sample ID:				Seq: 265	20:03:19 13 Dec 12	HG		
				240-18441-h-15-b				
Hg	.0794	ppb	.0000	.0794				
*** Sample ID:				Seq: 266	20:05:12 13 Dec 12	HG		
				240-18441-h-9-b				
Hg	.1021	ppb	.0000	.1021				
*** Sample ID:				Seq: 267	20:07:54 13 Dec 12	HG		
				240-18441-h-13-b				
Hg	.0530	ppb	.0000	.0530				
*** Sample ID:				Seq: 268	20:09:44 13 Dec 12	HG		
				240-18441-h-17-b				
Hg	.0412	ppb	.0000	.0412				
*** Sample ID:				Seq: 269	20:11:35 13 Dec 12	HG		
				240-18441-h-16-b				
Hg	.0517	ppb	.0000	.0517				
*** Sample ID:				Seq: 270	20:13:29 13 Dec 12	HG		
				240-18441-b-23-c				
Hg	.1701	ppb	.0000	.1701				
*** Sample ID:				Seq: 271	20:15:44 13 Dec 12	HG		
				240-18441-b-28-c				
Hg	.2666	ppb	.0000	.2666				
*** Sample ID:				Seq: 272	20:17:53 13 Dec 12	HG		
				240-18441-b-22-c				
Hg	.1753	ppb	.0000	.1753				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 273 20:19:43 13 Dec 12 HG
240-18441-b-24-c
Hg .1331 ppb .0000 .1331

*** Check Standard: 6 Ck6CCV Seq: 274 20:21:45 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.4	5.019	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 275 20:23:39 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0018	.6000	ppb	.0000

*** Sample ID: Seq: 276 20:25:31 13 Dec 12 HG
240-18449-h-3-b
Hg .0618 ppb .0000 .0618

*** Sample ID: Seq: 277 20:28:04 13 Dec 12 HG
mb 240-68388/1-a
Hg .0293 ppb .0000 .0293

*** Sample ID: Seq: 278 20:29:55 13 Dec 12 HG
lcs 240-68388/2-a
Hg 4.919 ppb .0000 4.919

*** Sample ID: Seq: 279 20:31:46 13 Dec 12 HG
240-18449-v-2-d
Hg .0554 ppb .0000 .0554

*** Sample ID: Seq: 280 20:33:58 13 Dec 12 HG
240-18449-v-2-e du
Hg .0548 ppb .0000 .0548

*** Sample ID: Seq: 281 20:36:08 13 Dec 12 HG
240-18449-v-2-f ms
Hg 1.022 ppb .0000 1.022

*** Sample ID: Seq: 282 20:38:09 13 Dec 12 HG
240-18544-v-1-d
Hg .0807 ppb .0000 .0807

*** Sample ID: Seq: 283 20:39:59 13 Dec 12 HG
240-18544-v-1-e du
Hg .0771 ppb .0000 .0771

*** Sample ID: Seq: 284 20:42:33 13 Dec 12 HG
240-18544-v-1-f ms
Hg 1.067 ppb .0000 1.067

*** Sample ID: Seq: 285 20:44:38 13 Dec 12 HG
240-18449-h-21-b
Hg .0737 ppb .0000 .0737

*** Check Standard: 6 Ck6CCV Seq: 286 20:46:41 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.9	5.043	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 287 20:48:43 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0046	.6000	ppb	.0000

*** Sample ID: Seq: 288 20:50:33 13 Dec 12 HG
240-18449-h-17-b
Hg .0765 ppb .0000 .0765

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 289	20:52:25 13 Dec 12			HG
				240-18544-h-2-b				
Hg	.1204	ppb	.0000	.1204				
*** Sample ID:				Seq: 290	20:54:37 13 Dec 12			HG
				240-18544-h-4-b				
Hg	.1050	ppb	.0000	.1050				
*** Sample ID:				Seq: 291	20:56:57 13 Dec 12			HG
				240-18449-h-19-b				
Hg	.0734	ppb	.0000	.0734				
*** Sample ID:				Seq: 292	20:58:50 13 Dec 12			HG
				240-18449-h-14-b				
Hg	.0870	ppb	.0000	.0870				
*** Sample ID:				Seq: 293	21:01:01 13 Dec 12			HG
				240-18449-h-18-b				
Hg	.0711	ppb	.0000	.0711				
*** Sample ID:				Seq: 294	21:02:53 13 Dec 12			HG
				240-18449-h-7-b				
Hg	.0772	ppb	.0000	.0772				
*** Sample ID:				Seq: 295	21:04:48 13 Dec 12			HG
				240-18441-c-29-b				
Hg	.0940	ppb	.0000	.0940				
*** Sample ID:				Seq: 296	21:06:38 13 Dec 12			HG
				240-18449-h-11-b				
Hg	.0678	ppb	.0000	.0678				
*** Sample ID:				Seq: 297	21:08:29 13 Dec 12			HG
				240-18441-b-20-a				
Hg	.2637	ppb	.0000	.2637				

*** Check Standard: 6 Ck6CCV				Seq: 298	21:10:20 13 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.6	5.030	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 299	21:12:11 13 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.0117	.6000	ppb	.0000	

*** Sample ID:				Seq: 300	21:14:16 13 Dec 12			HG
				240-18449-h-8-b				
Hg	.0632	ppb	.0000	.0632				
*** Sample ID:				Seq: 301	21:16:08 13 Dec 12			HG
				240-18449-h-16-b				
Hg	.0729	ppb	.0000	.0729				
*** Sample ID:				Seq: 302	21:17:59 13 Dec 12			HG
				240-18449-h-13-b				
Hg	.0798	ppb	.0000	.0798				
*** Sample ID:				Seq: 303	21:19:50 13 Dec 12			HG
				240-18449-h-12-b				
Hg	.0710	ppb	.0000	.0710				
*** Sample ID:				Seq: 304	21:22:13 13 Dec 12			HG
				240-18449-h-20-b				
Hg	.0691	ppb	.0000	.0691				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 305 21:24:08 13 Dec 12 HG
240-18544-h-3-b

Hg	.0774	ppb	.0000	.0774				

*** Sample ID: Seq: 306 21:26:13 13 Dec 12 HG
240-18449-h-10-b

Hg	.0845	ppb	.0000	.0845				

*** Sample ID: Seq: 307 21:28:24 13 Dec 12 HG
CRA

Hg	.2011	ppb	.0000	.2011				

*** Check Standard: 6 Ck6CCV Seq: 308 21:30:15 13 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.2	5.058	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 309 21:32:18 13 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0067	.6000	ppb	.0000

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : (7471:)

Run Date: 12/17/12 Analyst: DSH Instrument: 1-4

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 12/18/12 Reviewed from 13:41 to 17:47

Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: Batch #61927 DOD

Level II

Reviewer: [signature] Date/Time: 12/18/12 Reviewed from 13:41 to 17:47

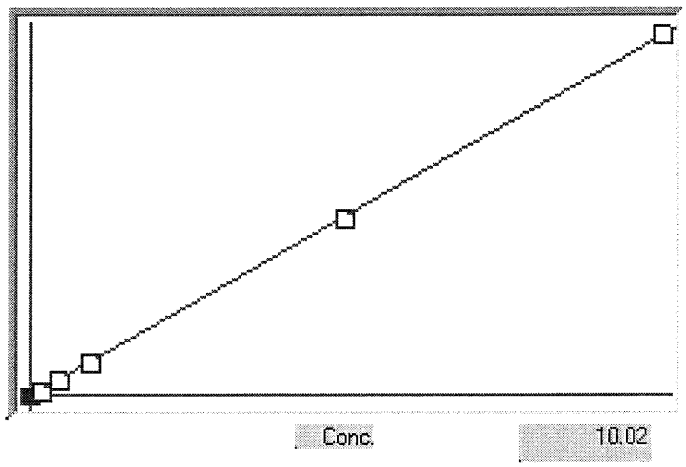
Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments _____

Curve Date 12/17/12 Curve Time 9:51 - 10:21 DILUTION H20 N/A

Revised 11/29/2012

Protocol: 1217AHG4



Linear

Calibrated

Accepted

A	
B	1.64233e-4
C	4.64741e-2
Rhc	.999974

Accepted Date: 17-Dec-12 13:51

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0491	.0491	16	1	16				
02	.20000	.1984	-.0016	925	0%	925				
03	.50000	.4902	-.0098	2702	0%	2702				
04	1.0000	.9714	-.0286	5632	0%	5632				
05	5.0000	4.976	-.0242	30014	0%	30014				
06	10.000	10.02	.0151	60699	0%	60698				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		13:41:34 17 Dec 12			HG
Hg	.0000	ppb	16						
*** Standard: 2 Rep: 1				Seq: 2		13:43:24 17 Dec 12			HG
Hg	.2000	ppb	925						
*** Standard: 3 Rep: 1				Seq: 3		13:45:16 17 Dec 12			HG
Hg	.5000	ppb	2702						
*** Standard: 4 Rep: 1				Seq: 4		13:47:16 17 Dec 12			HG
Hg	1.000	ppb	5632						
*** Standard: 5 Rep: 1				Seq: 5		13:49:06 17 Dec 12			HG
Hg	5.000	ppb	30014						
*** Standard: 6 Rep: 1				Seq: 6		13:51:09 17 Dec 12			HG
Hg	10.00	ppb	60698						

*** Check Standard: 2 Ck2ICV Seq: 7 13:53:20 17 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		93.03	2.326	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB Seq: 8 13:55:43 17 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	.0422	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL Seq: 9 13:58:14 17 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.2	.2104	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 10 16:41:19 17 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.98	4.849	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 11 16:43:08 17 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0084	.6000	ppb	.0000

*** Sample ID: Seq: 12 16:44:56 17 Dec 12 HG
mb 240-68775/1-a

Hg	.0645	ppb	.0000	.0645

*** Sample ID: Seq: 13 16:47:34 17 Dec 12 HG
lcs 240-68775/2-a

Hg	4.056	ppb	.0000	4.056

*** Sample ID: Seq: 14 16:49:21 17 Dec 12 HG
240-18544-l-7-h

Hg	.1997	ppb	.0000	.1997

*** Sample ID: Seq: 15 16:51:11 17 Dec 12 HG
240-18544-l-7-i du

Hg	.2211	ppb	.0000	.2211

*** Sample ID: Seq: 16 16:53:00 17 Dec 12 HG
240-18544-l-7-i dd

Hg	1.246	ppb	.0000	1.246

MS 12/18/12 DSH

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 17	16:55:10 17 Dec 12	HG		
				240-18544-m-8-h				
Hg	.1660	ppb	.0000	.1660				
*** Sample ID:				Seq: 18	16:57:23 17 Dec 12	HG		
				240-18544-m-8-i du				
Hg	.1742	ppb	.0000	.1742				
*** Sample ID:				Seq: 19	16:59:12 17 Dec 12	HG		
				240-18544-m-8-j ms				
Hg	1.181	ppb	.0000	1.181				
*** Sample ID:				Seq: 20	17:01:11 17 Dec 12	HG		
				240-18544-e-25-c				
Hg	.1399	ppb	.0000	.1399				
*** Sample ID:				Seq: 21	17:03:05 17 Dec 12	HG		
				240-18544-e-16-c				
Hg	.1503	ppb	.0000	.1503				

*** Check Standard: 6 Ck6CCV Seq: 22 17:04:56 17 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.1	5.055	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 23 17:06:49 17 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0044	.6000	ppb	.0000

*** Sample ID:				Seq: 24	17:08:38 17 Dec 12	HG		
				240-18544-e-21-c				
Hg	.1979	ppb	.0000	.1979				
*** Sample ID:				Seq: 25	17:10:48 17 Dec 12	HG		
				240-18544-e-12-c				
Hg	.2470	ppb	.0000	.2470				
*** Sample ID:				Seq: 26	17:12:40 17 Dec 12	HG		
				240-18544-h-5-b				
Hg	.1240	ppb	.0000	.1240				
*** Sample ID:				Seq: 27	17:14:28 17 Dec 12	HG		
				240-18544-e-13-c				
Hg	.2347	ppb	.0000	.2347				
*** Sample ID:				Seq: 28	17:16:57 17 Dec 12	HG		
				240-18544-h-18-b				
Hg	.1419	ppb	.0000	.1419				
*** Sample ID:				Seq: 29	17:18:57 17 Dec 12	HG		
				240-18544-h-6-b				
Hg	.1181	ppb	.0000	.1181				
*** Sample ID:				Seq: 30	17:20:57 17 Dec 12	HG		
				240-18544-e-22-c				
Hg	.1823	ppb	.0000	.1823				
*** Sample ID:				Seq: 31	17:22:49 17 Dec 12	HG		
				240-18544-e-23-c				
Hg	.1851	ppb	.0000	.1851				
*** Sample ID:				Seq: 32	17:24:38 17 Dec 12	HG		
				240-18544-e-17-c				
Hg	.1889	ppb	.0000	.1889				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 33 17:26:30 17 Dec 12 HG
240-18544-e-15-c
Hg .1770 ppb .0000 .1770

*** Check Standard: 6 Ck6CCV Seq: 34 17:28:24 17 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.9	5.045	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 35 17:30:15 17 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0020	.6000	ppb	.0000

*** Sample ID: Seq: 36 17:32:37 17 Dec 12 HG
240-18544-e-14-c
Hg .1905 ppb .0000 .1905

*** Sample ID: Seq: 37 17:34:26 17 Dec 12 HG
240-18544-e-10-c
Hg .1921 ppb .0000 .1921

*** Sample ID: Seq: 38 17:36:47 17 Dec 12 HG
240-18544-e-24-c
Hg .1977 ppb .0000 .1977

*** Sample ID: Seq: 39 17:38:37 17 Dec 12 HG
240-18544-e-20-c
Hg .1345 ppb .0000 .1345

*** Sample ID: Seq: 40 17:40:28 17 Dec 12 HG
240-18544-e-11-f
Hg .2286 ppb .0000 .2286

*** Sample ID: Seq: 41 17:42:59 17 Dec 12 HG
CRA
Hg .2173 ppb .0000 .2173

*** Check Standard: 6 Ck6CCV Seq: 42 17:44:49 17 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.2	5.111	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 43 17:47:00 17 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0335	.6000	ppb	.0000

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : (7471:)

Run Date: 12/18/12 Analyst: DGH Instrument: HG

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 12/19/12 Reviewed from 9:15 to 18:25

Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: Batch # 69324 Analyte Prep Batch # 69021 is DOD/LCG 12/19/12

Level II

Reviewer: [signature] Date/Time: 12/19/12 Reviewed from 9:15 to 18:25

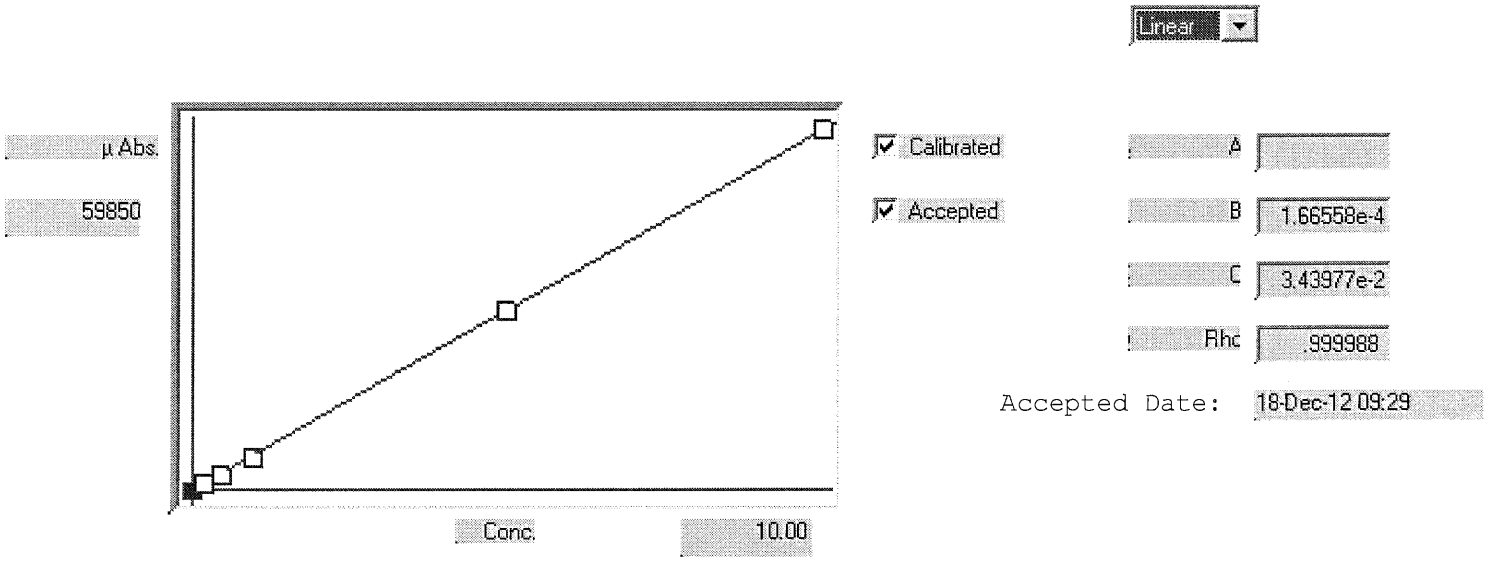
Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments _____

Curve Date 12/17/12 Curve Time 9:51 - 10:21 DILUTION H20 00012

Revised 11/29/2012

Protocol: 1218AHG4



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0367	.0367	14	0	14				
02	.20000	.1943	-.0057	961	0%	960				
03	.50000	.4828	-.0172	2693	0%	2692				
04	1.0000	.9844	-.0156	5705	0%	5704				
05	5.0000	4.999	-.0012	29807	0%	29806				
06	10.000	10.00	.0029	59851	0%	59850				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		09:15:59 18 Dec 12			HG
Hg	.0000	ppb	14						
*** Standard: 2 Rep: 1				Seq: 2		09:18:08 18 Dec 12			HG
Hg	.2000	ppb	960						
*** Standard: 3 Rep: 1				Seq: 3		09:19:58 18 Dec 12			HG
Hg	.5000	ppb	2692						
*** Standard: 4 Rep: 1				Seq: 4		09:23:10 18 Dec 12			HG
Hg	1.000	ppb	5704						
*** Standard: 5 Rep: 1				Seq: 5		09:25:12 18 Dec 12			HG
Hg	5.000	ppb	29806						
*** Standard: 6 Rep: 1				Seq: 6		09:27:26 18 Dec 12			HG
Hg	10.00	ppb	59850						

*** Check Standard: 2 Ck2ICV				Seq: 7	09:31:41 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.34	2.358	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB				Seq: 8	09:34:34 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	.0321	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL				Seq: 9	09:36:52 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.73	.1895	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV				Seq: 10	10:19:13 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.93	4.997	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 11	10:21:04 18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.0171	.6000	ppb	.0000	

*** Sample ID:				Seq: 12	10:23:02 18 Dec 12	HG
				mb 240-68994/1-a		
Hg	.0296	ppb	.0000	.0296		

*** Sample ID:				Seq: 13	10:25:32 18 Dec 12	HG
				lcs 240-68994/2-a		
Hg	4.742	ppb	.0000	4.742		

*** Sample ID:				Seq: 14	10:27:24 18 Dec 12	HG
				240-18894-b-1-f		
Hg	14.80 H	ppb	.0000	14.80		

*** Sample ID:				Seq: 15	10:29:14 18 Dec 12	HG
				240-18894-b-1-g ms		
Hg	17.02 H	ppb	.0000	17.02		

*** Sample ID:				Seq: 16	10:31:17 18 Dec 12	HG
				240-18894-b-1-h msd		
Hg	16.58 H	ppb	.0000	16.58		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 17	10:33:18 18 Dec 12	HG		
				240-18894-b-10-b				
Hg	2.468	ppb	.0000	2.468				
*** Sample ID:				Seq: 18	10:35:17 18 Dec 12	HG		
				240-18810-a-1-a				
Hg	.0171	ppb	.0000	.0171				
*** Sample ID:				Seq: 19	10:37:16 18 Dec 12	HG		
				240-18894-b-5-b				
2X Hg	10.49 H	ppb	.0000	10.49				
*** Sample ID:				Seq: 20	10:39:07 18 Dec 12	HG		
				240-18894-b-2-b				
10X Hg	57.12 H	ppb	.0000	57.12				
*** Sample ID:				Seq: 21	10:41:21 18 Dec 12	HG		
				240-18894-b-12-b				
Hg	2.529	ppb	.0000	2.529				
*** Check Standard: 6 Ck6CCV				Seq: 22	10:43:14 18 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.3	5.114	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 23	10:45:08 18 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0039	.6000	ppb	.0000			
*** Sample ID:				Seq: 24	10:47:17 18 Dec 12	HG		
				240-18889-d-10-b				
Hg	.1452	ppb	.0000	.1452				
*** Sample ID:				Seq: 25	10:49:28 18 Dec 12	HG		
				240-18889-d-9-b				
Hg	.1383	ppb	.0000	.1383				
*** Sample ID:				Seq: 26	10:51:28 18 Dec 12	HG		
				240-18894-b-4-b				
2X Hg	11.71 H	ppb	.0000	11.71				
*** Sample ID:				Seq: 27	10:53:32 18 Dec 12	HG		
				240-18894-b-13-b				
Hg	5.948	ppb	.0000	5.948				
*** Sample ID:				Seq: 28	10:55:23 18 Dec 12	HG		
				240-18894-b-3-b				
5X Hg	21.34 H	ppb	.0000	21.34				
*** Sample ID:				Seq: 29	10:57:37 18 Dec 12	HG		
				240-18889-d-11-b				
Hg	.0927	ppb	.0000	.0927				
*** Sample ID:				Seq: 30	10:59:26 18 Dec 12	HG		
				240-18894-b-14-b				
Hg	7.562	ppb	.0000	7.562				
*** Sample ID:				Seq: 31	11:01:16 18 Dec 12	HG		
				240-18889-c-8-b				
Hg	.1108	ppb	.0000	.1108				
*** Sample ID:				Seq: 32	11:03:31 18 Dec 12	HG		
				240-18889-d-2-b				
Hg	.1550	ppb	.0000	.1550				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 33 11:05:20 18 Dec 12 HG
240-18810-a-2-a
Hg .0321 ppb .0000 .0321

*** Check Standard: 6 Ck6CCV Seq: 34 11:07:21 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.6	5.180	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 35 11:09:14 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0024	.6000	ppb	.0000

*** Sample ID: Seq: 36 11:11:03 18 Dec 12 HG
240-18894-b-11-b
Hg 7.395 ppb .0000 7.395

*** Sample ID: Seq: 37 11:12:59 18 Dec 12 HG
240-18889-e-1-b
Hg .1425 ppb .0000 .1425

*** Sample ID: Seq: 38 11:14:57 18 Dec 12 HG
460-48265-f-1-m
Hg 1.564 ppb .0000 1.564

*** Sample ID: Seq: 39 11:17:39 18 Dec 12 HG
mb 240-69021/1-a
Hg .0354 ppb .0000 .0354

*** Sample ID: Seq: 40 11:19:57 18 Dec 12 HG
lcs 240-69021/2-a
Hg 4.888 ppb .0000 4.888

*** Sample ID: Seq: 41 11:22:17 18 Dec 12 HG
240-18544-u-19-e
Hg .1686 ppb .0000 .1686

*** Sample ID: Seq: 42 11:24:10 18 Dec 12 HG
240-18544-u-19-f du
Hg .1868 ppb .0000 .1868

*** Sample ID: Seq: 43 11:26:01 18 Dec 12 HG
240-18544-v-19-d ms
Hg 1.217 ppb .0000 1.217

*** Sample ID: Seq: 44 11:27:50 18 Dec 12 HG
240-18581-h-16-b
Hg .0752 ppb .0000 .0752

*** Sample ID: Seq: 45 11:29:44 18 Dec 12 HG
240-18581-h-11-b
Hg .0962 ppb .0000 .0962

*** Check Standard: 6 Ck6CCV Seq: 46 11:31:31 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.4	5.169	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 47 11:33:21 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0102	.6000	ppb	.0000

*** Sample ID: Seq: 48 11:35:25 18 Dec 12 HG
240-18544-e-31-c
Hg .1935 ppb .0000 .1935

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49		11:37:16 18 Dec 12		HG
				240-18581-h-10-b				
Hg	.0925	ppb	.0000	.0925				
*** Sample ID:				Seq: 50		11:39:16 18 Dec 12		HG
				240-18544-e-26-c				
Hg	.1695	ppb	.0000	.1695				
*** Sample ID:				Seq: 51		11:41:10 18 Dec 12		HG
				240-18544-e-27-c				
Hg	.1678	ppb	.0000	.1678				
*** Sample ID:				Seq: 52		11:43:29 18 Dec 12		HG
				240-18581-h-13-b				
Hg	.0852	ppb	.0000	.0852				
*** Sample ID:				Seq: 53		11:45:19 18 Dec 12		HG
				240-18581-h-15-b				
Hg	.0779	ppb	.0000	.0779				
*** Sample ID:				Seq: 54		11:47:19 18 Dec 12		HG
				240-18581-h-14-b				
Hg	.0924	ppb	.0000	.0924				
*** Sample ID:				Seq: 55		11:49:18 18 Dec 12		HG
				240-18544-e-29-c				
Hg	.1402	ppb	.0000	.1402				
*** Sample ID:				Seq: 56		11:51:40 18 Dec 12		HG
				240-18581-h-9-b				
Hg	.0902	ppb	.0000	.0902				
*** Sample ID:				Seq: 57		11:53:29 18 Dec 12		HG
				240-18544-e-32-c				
Hg	.1557	ppb	.0000	.1557				

*** Check Standard: 6 Ck6CCV			Seq: 58	11:55:38 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.3	5.214	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB			Seq: 59	11:57:26 18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0156	.6000	ppb	.0000

*** Sample ID:				Seq: 60		11:59:46 18 Dec 12		HG
				240-18544-e-28-c				
Hg	.2046	ppb	.0000	.2046				
*** Sample ID:				Seq: 61		12:01:45 18 Dec 12		HG
				240-18703-h-1-b				
Hg	.0812	ppb	.0000	.0812				
*** Sample ID:				Seq: 62		12:03:55 18 Dec 12		HG
				240-18581-h-7-b				
Hg	.0855	ppb	.0000	.0855				
*** Sample ID:				Seq: 63		12:05:57 18 Dec 12		HG
				240-18544-e-34-c				
Hg	.1660	ppb	.0000	.1660				
*** Sample ID:				Seq: 64		12:07:47 18 Dec 12		HG
				240-18581-h-8-b				
Hg	.0995	ppb	.0000	.0995				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 65 12:09:37 18 Dec 12 HG
240-18544-e-33-c
Hg .1978 ppb .0000 .1978

*** Sample ID: Seq: 66 12:11:46 18 Dec 12 HG
240-18544-e-30-c
Hg .1435 ppb .0000 .1435

*** Sample ID: Seq: 67 12:13:45 18 Dec 12 HG
CRA
Hg .2131 ppb .0000 .2131

*** Sample ID: Seq: 68 12:15:55 18 Dec 12 HG
lb 240-68899/1-c
Hg .0411 ppb .0000 .0411

*** Sample ID: Seq: 69 12:18:04 18 Dec 12 HG
mb 240-68992/2-a
Hg .0492 ppb .0000 .0492

*** Check Standard: 6 Ck6CCV Seq: 70 12:19:54 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.7	5.185	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 71 12:21:54 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0157	.6000	ppb	.0000

*** Sample ID: Seq: 72 12:24:32 18 Dec 12 HG
lcs 240-68992/3-a
Hg 4.901 ppb .0000 4.901

*** Sample ID: Seq: 73 12:26:45 18 Dec 12 HG
460-48265-f-1-j
0.1500 Hg .0775 ppb .0000 .0775

*** Sample ID: Seq: 74 12:28:45 18 Dec 12 HG
460-48265-f-1-k ms
Hg 4.758 ppb .0000 4.758

*** Sample ID: Seq: 75 12:30:55 18 Dec 12 HG
460-48265-f-1-l msd
Hg 4.669 ppb .0000 4.669

*** Check Standard: 6 Ck6CCV Seq: 76 12:32:56 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.7	5.134	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 77 12:34:55 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0131	.6000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 78 14:29:42 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.0	5.002	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 79 14:31:42 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0142	.6000	ppb	.0000

*** Sample ID: Seq: 80 14:33:32 18 Dec 12 HG
mb 240-68738/1-a
Hg .0404 ppb .0000 .0404

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 81		14:35:31 18 Dec 12			HG
				lcs 240-68738/2-a					
Hg	4.324	ppb	.0000	4.324					
*** Sample ID:				Seq: 82		14:37:21 18 Dec 12			HG
				240-18774-f-1-f					
Hg	.2333	ppb	.0000	.2333					
*** Sample ID:				Seq: 83		14:39:18 18 Dec 12			HG
				240-18774-f-1-g ms					
Hg	1.249	ppb	.0000	1.249					
*** Sample ID:				Seq: 84		14:41:06 18 Dec 12			HG
				240-18774-f-1-h msd					
Hg	1.255	ppb	.0000	1.255					
*** Sample ID:				Seq: 85		14:42:59 18 Dec 12			HG
				240-18774-b-16-b					
Hg	4.031	ppb	.0000	4.031					
*** Sample ID:				Seq: 86		14:44:51 18 Dec 12			HG
				240-18733-d-6-b					
Hg	3.534	ppb	.0000	3.534					
*** Sample ID:				Seq: 87		14:46:52 18 Dec 12			HG
				240-18774-f-2-b					
Hg	.1263	ppb	.0000	.1263					
*** Sample ID:				Seq: 88		14:48:41 18 Dec 12			HG
				240-18774-b-19-b					
200X Hg	202.2 H	ppb	.0000	202.2					
*** Sample ID:				Seq: 89		14:51:23 18 Dec 12			HG
				240-18733-d-5-b					
Hg	2.348	ppb	.0000	2.348					

*** Check Standard: 6 Ck6CCV Seq: 90 14:53:12 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.4	5.171	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 91 14:55:22 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0043	.6000	ppb	.0000

*** Sample ID:				Seq: 92		14:57:15 18 Dec 12			HG
				240-18774-b-18-b					
Hg	3.871	ppb	.0000	3.871					
*** Sample ID:				Seq: 93		14:59:43 18 Dec 12			HG
				240-18733-c-4-b					
Hg	2.634	ppb	.0000	2.634					
*** Sample ID:				Seq: 94		15:01:33 18 Dec 12			HG
				240-18774-b-12-b					
2X Hg	10.05 H	ppb	.0000	10.05					
*** Sample ID:				Seq: 95		15:03:21 18 Dec 12			HG
				240-18774-b-11-b					
Hg	2.040	ppb	.0000	2.040					
*** Sample ID:				Seq: 96		15:05:22 18 Dec 12			HG
				240-18774-b-20-b					
5X Hg	23.40 H	ppb	.0000	23.40					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 97	15:07:52 18 Dec 12	HG		
				240-18733-d-3-b				
Hg	8.638	ppb	.0000	8.638				
*** Sample ID:				Seq: 98	15:10:02 18 Dec 12	HG		
				240-18774-b-10-b				
Hg	3.188	ppb	.0000	3.188				
*** Sample ID:				Seq: 99	15:11:53 18 Dec 12	HG		
				240-18774-b-15-b				
Hg	44.88 H	ppb	.0000	44.88				
*** Sample ID:				Seq: 100	15:14:15 18 Dec 12	HG		
				240-18774-b-8-b				
Hg	1.235	ppb	.0000	1.235				
*** Sample ID:				Seq: 101	15:16:05 18 Dec 12	HG		
				240-18774-b-17-b				
Hg	5.185	ppb	.0000	5.185				

*** Check Standard: 6 Ck6CCV Seq: 102 15:17:56 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.4	5.219	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 103 15:20:26 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0294	.6000	ppb	.0000

*** Sample ID:				Seq: 104	15:23:35 18 Dec 12	HG		
				240-18774-b-13-b				
Hg	30.75 H	ppb	.0000	30.75				
*** Sample ID:				Seq: 105	15:25:40 18 Dec 12	HG		
				240-18774-b-9-b				
Hg	1.604	ppb	.0000	1.604				
*** Sample ID:				Seq: 106	15:27:42 18 Dec 12	HG		
				240-18774-b-14-b				
Hg	22.37 H	ppb	.0000	22.37				
*** Sample ID:				Seq: 107	15:30:14 18 Dec 12	HG		
				mb 240-68731/1-a				
Hg	.0147	ppb	.0000	.0147				
*** Sample ID:				Seq: 108	15:32:23 18 Dec 12	HG		
				lcs 240-68731/2-a				
Hg	4.339	ppb	.0000	4.339				
*** Sample ID:				Seq: 109	15:35:15 18 Dec 12	HG		
				240-18733-d-1-d				
Hg	4.160	ppb	.0000	4.160				
*** Sample ID:				Seq: 110	15:37:15 18 Dec 12	HG		
				240-18733-d-1-e ms				
Hg	4.732	ppb	.0000	4.732				
*** Sample ID:				Seq: 111	15:39:07 18 Dec 12	HG		
				240-18733-d-1-f msd				
Hg	6.052	ppb	.0000	6.052				
*** Sample ID:				Seq: 112	15:40:57 18 Dec 12	HG		
				240-18713-e-31-b				
Hg	.0604	ppb	.0000	.0604				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 113 15:42:51 18 Dec 12 HG
240-18713-f-48-b
Hg .1045 ppb .0000 .1045

*** Check Standard: 6 Ck6CCV Seq: 114 15:44:40 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.7	5.383	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 115 15:46:38 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0142	.6000	ppb	.0000

*** Sample ID: Seq: 116 15:48:27 18 Dec 12 HG
240-18773-e-15-b
Hg .1015 ppb .0000 .1015

*** Sample ID: Seq: 117 15:50:16 18 Dec 12 HG
240-18773-e-24-b
Hg .1029 ppb .0000 .1029

*** Sample ID: Seq: 118 15:52:12 18 Dec 12 HG
240-18773-e-26-b
Hg 2.060 ppb .0000 2.060

*** Sample ID: Seq: 119 15:54:02 18 Dec 12 HG
240-18713-b-51-b
Hg 4.672 ppb .0000 4.672

*** Sample ID: Seq: 120 15:55:52 18 Dec 12 HG
240-18773-b-17-b
Hg .1845 ppb .0000 .1845

*** Sample ID: Seq: 121 15:58:13 18 Dec 12 HG
240-18773-e-3-b
Hg .1453 ppb .0000 .1453

*** Sample ID: Seq: 122 16:00:12 18 Dec 12 HG
240-18733-d-2-b
Hg 1.698 ppb .0000 1.698

*** Sample ID: Seq: 123 16:02:42 18 Dec 12 HG
240-18773-e-1-b
Hg .2569 ppb .0000 .2569

*** Sample ID: Seq: 124 16:04:54 18 Dec 12 HG
240-18773-e-20-b
Hg .3652 ppb .0000 .3652

*** Sample ID: Seq: 125 16:06:59 18 Dec 12 HG
240-18773-f-32-b
Hg .1039 ppb .0000 .1039

*** Check Standard: 6 Ck6CCV Seq: 126 16:09:12 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.4	5.371	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 127 16:11:06 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0092	.6000	ppb	.0000

*** Sample ID: Seq: 128 16:12:55 18 Dec 12 HG
240-18773-e-5-b
Hg .0979 ppb .0000 .0979

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 129	16:14:45 18 Dec 12	HG		
				240-18713-e-46-b				
Hg	.1448	ppb	.0000	.1448				
*** Sample ID:				Seq: 130	16:16:47 18 Dec 12	HG		
				240-18773-e-13-b				
Hg	.1040	ppb	.0000	.1040				
*** Sample ID:				Seq: 131	16:20:11 18 Dec 12	HG		
				240-18773-e-22-b				
Hg	.1185	ppb	.0000	.1185				
*** Sample ID:				Seq: 132	16:22:03 18 Dec 12	HG		
				240-18773-f-30-b				
Hg	.2942	ppb	.0000	.2942				
*** Sample ID:				Seq: 133	16:23:58 18 Dec 12	HG		
				240-18773-f-11-b				
Hg	.1920	ppb	.0000	.1920				
*** Sample ID:				Seq: 134	16:26:28 18 Dec 12	HG		
				240-18773-b-27-b				
Hg	.1055	ppb	.0000	.1055				
*** Sample ID:				Seq: 135	16:28:57 18 Dec 12	HG		
				mb 240-68723/1-a				
Hg	.0532	ppb	.0000	.0532				
*** Sample ID:				Seq: 136	16:30:59 18 Dec 12	HG		
				lcs 240-68723/2-a				
Hg	4.568	ppb	.0000	4.568				
*** Sample ID:				Seq: 137	16:32:53 18 Dec 12	HG		
				240-18713-w-20-d				
Hg	6.927	ppb	.0000	6.927				

*** Check Standard: 6 Ck6CCV				Seq: 138	16:34:43 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.1	5.306	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 139	16:36:42 18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		.0171	.6000	ppb	.0000	

*** Check Standard: 6 Ck6CCV				Seq: 140	16:42:46 18 Dec 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.6	5.381	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB				Seq: 141	16:44:35 18 Dec 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.0066	.6000	ppb	.0000	

*** Sample ID:				Seq: 142	16:46:27 18 Dec 12	HG
				240-18713-w-20-e ms		
Hg	18.56 H	ppb	.0000	18.56		

3X

*** Sample ID:				Seq: 143	16:48:19 18 Dec 12	HG
				240-18713-w-20-f msd		
Hg	8.517	ppb	.0000	8.517		
*** Sample ID:				Seq: 144	16:50:11 18 Dec 12	HG
				240-18713-e-19-b		
Hg	.0466	ppb	.0000	.0466		

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 145 16:52:01 18 Dec 12 HG
240-18713-e-29-b
Hg .0909 ppb .0000 .0909

*** Check Standard: 6 Ck6CCV Seq: 146 16:59:40 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.5	5.375	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 147 17:01:30 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0067	.6000	ppb	.0000

*** Sample ID: Seq: 148 17:04:59 18 Dec 12 HG
240-18713-h-26-b
Hg 1.130 ppb .0000 1.130

*** Sample ID: Seq: 149 17:07:12 18 Dec 12 HG
240-18713-g-13-b
Hg 4.909 ppb .0000 4.909

*** Sample ID: Seq: 150 17:09:01 18 Dec 12 HG
240-18713-f-36-b
Hg .0639 ppb .0000 .0639

*** Sample ID: Seq: 151 17:10:50 18 Dec 12 HG
240-18713-e-39-b
Hg .1208 ppb .0000 .1208

*** Sample ID: Seq: 152 17:12:50 18 Dec 12 HG
240-18713-h-38-b
Hg 6.672 ppb .0000 6.672

*** Sample ID: Seq: 153 17:14:43 18 Dec 12 HG
240-18713-e-27-b
Hg .9530 ppb .0000 .9530

*** Sample ID: Seq: 154 17:16:35 18 Dec 12 HG
240-18773-e-28-b
Hg 1.353 ppb .0000 1.353

*** Sample ID: Seq: 155 17:18:36 18 Dec 12 HG
240-18713-f-44-b
Hg .1791 ppb .0000 .1791

*** Sample ID: Seq: 156 17:20:30 18 Dec 12 HG
240-18713-e-17-b
Hg .1075 ppb .0000 .1075

*** Sample ID: Seq: 157 17:22:54 18 Dec 12 HG
240-18713-e-14-b
Hg 2.795 ppb .0000 2.795

*** Check Standard: 6 Ck6CCV Seq: 158 17:25:36 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		108.8	5.441	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 159 17:27:26 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0024	.6000	ppb	.0000

*** Sample ID: Seq: 160 17:29:46 18 Dec 12 HG
240-18713-f-34-b
Hg .1656 ppb .0000 .1656

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 161	17:31:38 18 Dec 12	HG		
				240-18713-e-43-b				
Hg	.1175	ppb	.0000	.1175				
*** Sample ID:				Seq: 162	17:33:49 18 Dec 12	HG		
				240-18713-e-22-b				
Hg	1.020	ppb	.0000	1.020				
*** Sample ID:				Seq: 163	17:36:40 18 Dec 12	HG		
				240-18713-e-32-b				
Hg	1.309	ppb	.0000	1.309				
*** Sample ID:				Seq: 164	17:38:44 18 Dec 12	HG		
				240-18713-f-24-b				
Hg	.1165	ppb	.0000	.1165				
*** Sample ID:				Seq: 165	17:40:46 18 Dec 12	HG		
				240-18713-e-41-b				
Hg	.1463	ppb	.0000	.1463				
*** Sample ID:				Seq: 166	17:42:36 18 Dec 12	HG		
				240-18713-f-15-b				
Hg	3.384	ppb	.0000	3.384				
*** Sample ID:				Seq: 167	17:44:59 18 Dec 12	HG		
				240-18894-b-1-f@3				
Hg	5.264	ppb	.0000	5.264				
*** Sample ID:				Seq: 168	17:46:53 18 Dec 12	HG		
				240-18894-b-1-g ms@3				
Hg	6.050	ppb	.0000	6.050				
*** Sample ID:				Seq: 169	17:48:44 18 Dec 12	HG		
				240-18894-b-1-hmsd@3				
Hg	5.760	ppb	.0000	5.760				

*** Check Standard: 6 Ck6CCV Seq: 170 17:51:04 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		109.1	5.457	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 171 17:53:14 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0322	.6000	ppb	.0000

*** Sample ID:				Seq: 172	17:55:17 18 Dec 12	HG		
				240-18894-b-5-b@2				
Hg	5.361	ppb	.0000	5.361				
*** Sample ID:				Seq: 173	17:57:39 18 Dec 12	HG		
				240-18894-b-2-b@10				
Hg	6.155	ppb	.0000	6.155				
*** Sample ID:				Seq: 174	17:59:40 18 Dec 12	HG		
				240-18894-b-4-b@2				
Hg	6.029	ppb	.0000	6.029				
*** Sample ID:				Seq: 175	18:01:43 18 Dec 12	HG		
				240-18894-b-3-b@5				
Hg	4.519	ppb	.0000	4.519				
*** Sample ID:				Seq: 176	18:03:34 18 Dec 12	HG		
				240-18774-b-19-b@200				
Hg	1.568	ppb	.0000	1.568				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 177 18:05:27 18 Dec 12 HG
240-18774-b-12-b@2
Hg 5.282 ppb .0000 5.282

*** Sample ID: Seq: 178 18:08:30 18 Dec 12 HG
240-18774-b-20-b@5
Hg 4.913 ppb .0000 4.913

*** Sample ID: Seq: 179 18:10:43 18 Dec 12 HG
240-18774-b-15-b@10
Hg 4.679 ppb .0000 4.679

*** Sample ID: Seq: 180 18:12:35 18 Dec 12 HG
240-18774-b-13-b@5
Hg 6.290 ppb .0000 6.290

*** Sample ID: Seq: 181 18:15:46 18 Dec 12 HG
240-18774-b-14-b@5
Hg 4.502 ppb .0000 4.502

*** Check Standard: 6 Ck6CCV Seq: 182 18:17:41 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		108.6	5.428	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 183 18:19:32 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0049	.6000	ppb	.0000

*** Sample ID: Seq: 184 18:21:21 18 Dec 12 HG
240-18713-w-20-ems@3
Hg 6.224 ppb .0000 6.224

*** Check Standard: 6 Ck6CCV Seq: 185 18:23:14 18 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.3	5.366	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 186 18:25:06 18 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0034	.6000	ppb	.0000

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: 7470A / 245.1 : (7471:)

Run Date: 12/26/12 Analyst: DSH Instrument: H4

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?			✓	
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 12/26/12 Reviewed from 15:53 to 17:01

Analyst: [signature] Date/Time: 12/27/12 Reviewed from 17:03 to 18:01

Comments: Batch # 70191

Level II

Reviewer: [signature] Date/Time: 12/26/12 Reviewed from 15:53 to 17:01

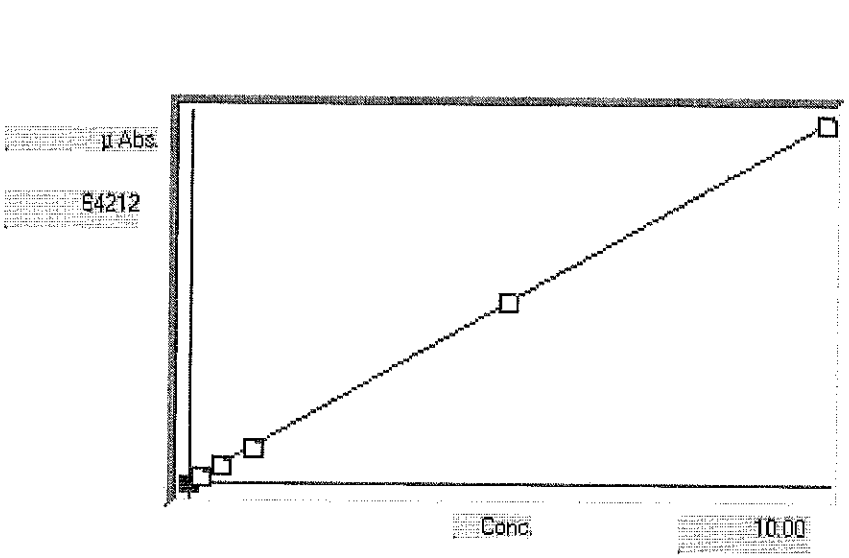
Reviewer: [signature] Date/Time: 12-27-12 Reviewed from 17:03 18:01

Comments

Curve Date 12/26/12 Curve Time 1:25 - 1:55 DILUTION H20

Revised 11/29/2012

Protocol: 1226CHG4



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.0119	-.0119	28	1	27				
02	.20000	.1745	-.0255	1226	0%	1225				
03	.50000	.4930	-.0070	3273	0%	3273				
04	1.0000	1.019	.0194	6657	0%	6657				
05	5.0000	5.053	.0530	32590	0%	32589				
06	10.000	9.972	-.0281	64213	0%	64212				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		15:53:06 26 Dec 12			HG
Hg	.0000	ppb	27						
*** Standard: 2 Rep: 1				Seq: 2		15:54:59 26 Dec 12			HG
Hg	.2000	ppb	1225						
*** Standard: 3 Rep: 1				Seq: 3		15:56:47 26 Dec 12			HG
Hg	.5000	ppb	3273						
*** Standard: 4 Rep: 1				Seq: 4		15:58:36 26 Dec 12			HG
Hg	1.000	ppb	6657						
*** Standard: 5 Rep: 1				Seq: 5		16:00:36 26 Dec 12			HG
Hg	5.000	ppb	32589						
*** Standard: 6 Rep: 1				Seq: 6		16:03:06 26 Dec 12			HG
Hg	10.00	ppb	64212						

*** Check Standard: 2 Ck2ICV Seq: 7 16:05:01 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		91.60	2.290	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB Seq: 8 16:07:03 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	-.0256	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL Seq: 9 16:09:01 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		89.96	.1799	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 10 16:11:03 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.0	5.148	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 11 16:12:52 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0587	.6000	ppb	.0000

*** Sample ID: Seq: 12 16:14:41 26 Dec 12 HG
lb 240-69165/1-c

Hg	-.0120	ppb	.0000	-.0120	

*** Sample ID: Seq: 13 16:16:29 26 Dec 12 HG
mb 240-69634/2-a

Hg	-.0119	ppb	.0000	-.0119	

*** Sample ID: Seq: 14 16:18:18 26 Dec 12 HG
lcs 240-69634/3-a

Hg	4.761	ppb	.0000	4.761	

*** Sample ID: Seq: 15 16:20:32 26 Dec 12 HG
240-18710-a-1-o

Hg	.0233	ppb	.0000	.0233	

0.1999

*** Sample ID: Seq: 16 16:22:21 26 Dec 12 HG
240-18710-a-1-p ms

Hg	4.584	ppb	.0000	4.584	

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 17 16:24:10 26 Dec 12 HG
240-18710-a-1-q msd
Hg 4.518 ppb .0000 4.518

*** Sample ID: Seq: 18 16:26:19 26 Dec 12 HG
240-18707-a-1-h
0.1070 Hg .0018 ppb .0000 .0018

*** Sample ID: Seq: 19 16:28:19 26 Dec 12 HG
lb 240-69296/1-c
Hg -.0145 ppb .0000 -.0145

*** Sample ID: Seq: 20 16:30:20 26 Dec 12 HG
mb 240-69636/2-a
Hg -.0114 ppb .0000 -.0114

*** Sample ID: Seq: 21 16:32:09 26 Dec 12 HG
lcs 240-69636/3-a
Hg 4.728 ppb .0000 4.728

*** Check Standard: 6 Ck6CCV Seq: 22 16:34:12 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.0	5.150	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 23 16:36:13 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0340	.6000	ppb	.0000

*** Sample ID: Seq: 24 16:38:06 26 Dec 12 HG
240-18863-a-2-g
Hg -.0126 ppb .0000 -.0126

*** Sample ID: Seq: 25 16:40:04 26 Dec 12 HG
240-18863-a-2-h ms
Hg 4.011 ppb .0000 4.011

*** Sample ID: Seq: 26 16:41:56 26 Dec 12 HG
240-18863-a-2-i msd
Hg 4.114 ppb .0000 4.114

*** Sample ID: Seq: 27 16:43:50 26 Dec 12 HG
240-18864-a-1-h
Hg -.0380 ppb .0000 -.0380

*** Sample ID: Seq: 28 16:45:39 26 Dec 12 HG
240-18707-a-2-h
0.0260 Hg .0158 ppb .0000 .0158

*** Sample ID: Seq: 29 16:48:09 26 Dec 12 HG
mb 240-69805/1-a
Hg -.0064 ppb .0000 -.0064

*** Sample ID: Seq: 30 16:50:34 26 Dec 12 HG
lcs 240-69805/2-a
Hg 4.873 ppb .0000 4.873

*** Sample ID: Seq: 31 16:53:34 26 Dec 12 HG
240-18544-b-38-a
Hg .0517 ppb .0000 .0517

*** Sample ID: Seq: 32 16:55:34 26 Dec 12 HG
240-18544-b-38-b du
Hg .0685 ppb .0000 .0685

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 33 16:57:47 26 Dec 12 HG
240-18544-b-38-c ms

Hg	1.093	ppb	.0000	1.093

*** Check Standard: 6 Ck6CCV Seq: 34 16:59:47 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.9	5.196	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 35 17:01:36 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0655	.6000	ppb	.0000

end of review for 12/26/12

DSH

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 36	17:03:26 26 Dec 12	HG		
				240-18581-l-3-l				
Hg	.0909	ppb	.0000	.0909				
*** Sample ID:				Seq: 37	17:05:15 26 Dec 12	HG		
				240-18544-b-39-a				
Hg	.0709	ppb	.0000	.0709				
*** Sample ID:				Seq: 38	17:07:07 26 Dec 12	HG		
				240-18581-k-5-e				
Hg	.1231	ppb	.0000	.1231				
*** Sample ID:				Seq: 39	17:08:57 26 Dec 12	HG		
				240-18581-b-18-d				
Hg	.0320	ppb	.0000	.0320				
*** Sample ID:				Seq: 40	17:10:48 26 Dec 12	HG		
				240-18544-b-42-a				
Hg	1.775	ppb	.0000	1.775				
*** Sample ID:				Seq: 41	17:12:40 26 Dec 12	HG		
				240-18544-b-41-a				
Hg	.2429	ppb	.0000	.2429				
*** Sample ID:				Seq: 42	17:14:43 26 Dec 12	HG		
				240-18581-h-6-d				
Hg	.1373	ppb	.0000	.1373				
*** Sample ID:				Seq: 43	17:16:53 26 Dec 12	HG		
				240-18581-b-23-d				
Hg	.0587	ppb	.0000	.0587				
*** Sample ID:				Seq: 44	17:18:46 26 Dec 12	HG		
				240-18581-b-21-f				
Hg	.0454	ppb	.0000	.0454				
*** Sample ID:				Seq: 45	17:20:47 26 Dec 12	HG		
				240-18544-b-40-a				
Hg	.0491	ppb	.0000	.0491				
*** Check Standard: 6 Ck6CCV				Seq: 46	17:22:40 26 Dec 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.4	5.170	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 47	17:24:42 26 Dec 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0173	.6000	ppb	.0000			
*** Sample ID:				Seq: 48	17:26:41 26 Dec 12	HG		
				240-18581-b-17-d				
Hg	.0479	ppb	.0000	.0479				
*** Sample ID:				Seq: 49	17:28:34 26 Dec 12	HG		
				240-18581-m-1-n				
Hg	.1149	ppb	.0000	.1149				
*** Sample ID:				Seq: 50	17:30:29 26 Dec 12	HG		
				240-18581-b-22-d				
Hg	.0479	ppb	.0000	.0479				
*** Sample ID:				Seq: 51	17:32:20 26 Dec 12	HG		
				240-18581-b-20-d				
Hg	.0206	ppb	.0000	.0206				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 52 17:34:11 26 Dec 12 HG
240-18544-b-43-a
Hg .2123 ppb .0000 .2123

*** Sample ID: Seq: 53 17:36:00 26 Dec 12 HG
240-18581-b-19-d
Hg .0409 ppb .0000 .0409

*** Sample ID: Seq: 54 17:37:48 26 Dec 12 HG
CRA
Hg .1900 ppb .0000 .1900

*** Sample ID: Seq: 55 17:39:37 26 Dec 12 HG
lb 240-69795/1-a
Hg -.0162 ppb .0000 -.0162

*** Sample ID: Seq: 56 17:41:27 26 Dec 12 HG
mb 240-69795/2-a
Hg -.0004 ppb .0000 -.0004

*** Sample ID: Seq: 57 17:43:47 26 Dec 12 HG
lcs 240-69795/3-a
Hg 4.874 ppb .0000 4.874

*** Check Standard: 6 Ck6CCV Seq: 58 17:46:17 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.7	5.137	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 59 17:48:17 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0280	.6000	ppb	.0000

*** Sample ID: Seq: 60 17:51:27 26 Dec 12 HG
240-18991-a-1-e
Hg -.0058 ppb .0000 -.0058

*** Sample ID: Seq: 61 17:55:09 26 Dec 12 HG
240-18991-a-1-f ms
Hg 4.728 ppb .0000 4.728

*** Sample ID: Seq: 62 17:57:09 26 Dec 12 HG
240-18991-a-1-g msd
Hg 4.562 ppb .0000 4.562

*** Check Standard: 6 Ck6CCV Seq: 63 17:59:00 26 Dec 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.7	5.086	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 64 18:01:18 26 Dec 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0210	.6000	ppb	.0000

Dilution Corrected Concentrations

STD1 686024 INT STD 12/27/2012 3:19:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:00	99.759%	0.011	-0.049	-0.013	0.000	-0.106	0.043	-0.132
2	15:20:43	103.057%	-0.011	0.082	-0.031	0.000	0.061	0.107	0.094
3	15:21:26	97.184%	0.000	-0.033	0.045	0.000	0.045	-0.150	0.039
x		100.000%	-0.000	0.000	-0.000	0.000	-0.000	-0.000	-0.000
σ		2.944%	0.011	0.072	0.040	0.000	0.092	0.134	0.118
%RSD		2.944	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:00	0.062	0.211	0.000	0.822	-1.515	0.825	98.610%	0.063
2	15:20:43	0.045	0.010	0.000	-1.412	-0.309	-0.186	102.851%	-0.013
3	15:21:26	-0.108	-0.221	0.000	0.591	1.823	-0.639	98.538%	-0.050
x		0.000	0.000	0.000	-0.000	0.000	-0.000	100.000%	-0.000
σ		0.094	0.216	0.000	1.228	1.690	0.750	2.470%	0.057
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	2.470	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:00	-0.014	0.003	-0.003	1.685	0.072	-0.000	0.004	0.004
2	15:20:43	0.010	0.005	-0.000	-1.220	0.178	-0.000	0.004	0.003
3	15:21:26	0.004	-0.008	0.003	-0.465	-0.251	0.001	-0.007	-0.007
x		0.000	-0.000	-0.000	0.000	0.000	0.000	0.000	-0.000
σ		0.012	0.007	0.003	1.507	0.224	0.000	0.006	0.006
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:00	-0.009	-0.022	0.008	-0.051	-0.094	-0.261	0.000	-0.000
2	15:20:43	-0.008	-0.052	0.072	-0.027	0.038	-0.109	0.000	0.000
3	15:21:26	0.017	0.075	-0.080	0.078	0.056	0.370	0.000	0.000
x		0.000	-0.000	-0.000	0.000	0.000	-0.000	0.000	-0.000
σ		0.015	0.067	0.077	0.069	0.082	0.329	0.000	0.000
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:00	99.538%	0.001	0.001	99.261%	-0.000	0.002	-0.018	-0.013
2	15:20:43	100.625%	-0.001	0.002	100.617%	-0.000	-0.000	0.023	0.017
3	15:21:26	99.837%	0.000	-0.003	100.122%	0.000	-0.002	-0.005	-0.004
x		100.000%	0.000	-0.000	100.000%	0.000	0.000	0.000	0.000
σ		0.562%	0.001	0.003	0.686%	0.000	0.002	0.021	0.016
%RSD		0.562	0.000	0.000	0.686	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:00	99.414%	0.018	-0.004	-0.003	0.009	0.000	99.129%	98.693%
2	15:20:43	99.990%	0.006	0.006	0.006	-0.014	0.000	99.526%	100.392%
3	15:21:26	100.596%	-0.024	-0.003	-0.003	0.005	-0.000	101.344%	100.916%
x		100.000%	-0.000	0.000	-0.000	-0.000	-0.000	100.000%	100.000%
σ		0.591%	0.022	0.005	0.005	0.013	0.000	1.181%	1.162%
%RSD		0.591	0.000	0.000	0.000	0.000	0.000	1.181	1.162

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:00	0.003	-0.001	-0.004	-0.004	-0.001	99.007%
2	15:20:43	0.000	0.001	0.001	0.006	0.001	99.801%
3	15:21:26	-0.003	-0.000	0.004	-0.003	0.000	101.192%
x		-0.000	0.000	-0.000	-0.000	-0.000	100.000%
σ		0.003	0.001	0.004	0.005	0.001	1.106%
%RSD		0.000	0.000	0.000	0.000	0.000	1.106

STD2 646077 12/27/2012 3:24:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:32	94.539%	199.400	0.371	0.517	0.000	100100.000	100100.000	100500.000
2	15:26:15	97.517%	201.700	0.451	0.429	0.000	99880.000	99620.000	99290.000
3	15:26:58	100.792%	198.900	0.284	0.441	0.000	100100.000	100300.000	100300.000
x		97.616%	200.000	0.368	0.462	0.000	100000.000	100000.000	100000.000
σ		3.128%	1.507	0.084	0.048	0.000	100.800	355.600	623.700
%RSD		3.204	0.753	22.690	10.300	0.000	0.101	0.356	0.624

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:32	1009.000	8.583	0.000	101700.000	102200.000	101900.000	101.245%	0.319
2	15:26:15	990.800	8.009	0.000	98810.000	98030.000	98770.000	108.556%	0.348
3	15:26:58	999.800	8.476	0.000	99460.000	99810.000	99290.000	112.570%	0.477
x		1000.000	8.356	0.000	100000.000	100000.000	100000.000	107.457%	0.382
σ		9.277	0.305	0.000	1529.000	2065.000	1701.000	5.742%	0.084
%RSD		0.928	3.652	0.000	1.529	2.065	1.701	5.344	22.060

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:32	203.600	203.600	1021.000	50880.000	50850.000	200.600	200.900	200.800
2	15:26:15	198.300	198.500	996.800	49910.000	49720.000	199.200	199.300	199.400
3	15:26:58	198.100	197.900	982.200	49210.000	49430.000	200.300	199.800	199.800
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		3.109	3.092	19.570	836.700	753.300	0.748	0.849	0.724
%RSD		1.554	1.546	1.957	1.673	1.507	0.374	0.424	0.362

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:32	200.700	200.600	201.200	197.500	197.800	195.500	0.000	199.200
2	15:26:15	199.600	200.200	199.300	201.200	200.300	200.300	0.000	201.700
3	15:26:58	199.700	199.200	199.400	201.200	201.900	204.200	0.000	199.100
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		0.623	0.707	1.065	2.144	2.040	4.362	0.000	1.497
%RSD		0.312	0.354	0.532	1.072	1.020	2.181	0.000	0.748

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:32	95.747%	0.328	0.264	88.050%	198.700	199.200	201.000	199.500
2	15:26:15	99.987%	0.272	0.307	91.452%	200.400	200.200	200.100	201.500
3	15:26:58	103.103%	0.297	0.285	93.168%	200.900	200.600	198.900	199.000
x		99.612%	0.299	0.285	90.890%	200.000	200.000	200.000	200.000
σ		3.692%	0.028	0.021	2.605%	1.152	0.754	1.089	1.360
%RSD		3.707	9.351	7.486	2.866	0.576	0.377	0.545	0.680

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:32	93.264%	0.241	0.120	0.135	199.200	199.600	93.477%	93.103%
2	15:26:15	97.888%	0.211	0.119	0.125	199.600	200.900	97.837%	97.453%
3	15:26:58	101.428%	0.147	0.129	0.125	201.200	199.500	100.367%	100.011%
x		97.527%	0.200	0.123	0.128	200.000	200.000	97.227%	96.856%
σ		4.094%	0.048	0.005	0.006	1.034	0.797	3.485%	3.492%
%RSD		4.198	24.190	4.293	4.327	0.517	0.398	3.585	3.606

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:32	195.200	196.100	195.900	195.700	195.500	81.646%
2	15:26:15	200.800	201.200	200.300	201.000	200.700	82.898%
3	15:26:58	204.000	202.700	203.800	203.400	203.800	83.421%
x		200.000	200.000	200.000	200.000	200.000	82.655%
σ		4.438	3.434	3.940	3.948	4.230	0.912%
%RSD		2.219	1.717	1.970	1.974	2.115	1.103

STD3 646078 12/27/2012 3:29:06 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:49	108.315%	0.176	199.100	205.500	0.000	59.530	50.090	49.370
2	15:30:32	104.408%	0.142	194.800	192.000	0.000	57.650	47.970	46.830
3	15:31:15	102.048%	0.096	206.100	202.400	0.000	58.320	47.250	47.480
x		104.924%	0.138	200.000	200.000	0.000	58.500	48.440	47.890
σ		3.165%	0.040	5.700	7.078	0.000	0.951	1.479	1.320
%RSD		3.017	28.790	2.850	3.539	0.000	1.625	3.053	2.756
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:49	14.040	9978.000	0.000	50.600	61.290	146.100	117.444%	199.300
2	15:30:32	11.660	9947.000	0.000	48.910	58.700	142.200	115.674%	197.800
3	15:31:15	10.400	10070.000	0.000	47.940	51.870	145.700	113.447%	202.900
x		12.030	10000.000	0.000	49.150	57.290	144.700	115.522%	200.000
σ		1.845	66.140	0.000	1.345	4.868	2.107	2.003%	2.621
%RSD		15.330	0.661	0.000	2.737	8.497	1.457	1.734	1.310
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:49	0.168	0.111	0.785	141.800	145.000	0.106	0.394	2.535
2	15:30:32	0.144	0.101	0.750	71.410	74.230	0.101	0.274	2.429
3	15:31:15	0.150	0.116	0.745	56.080	58.960	0.103	0.327	2.372
x		0.154	0.109	0.760	89.770	92.740	0.103	0.332	2.445
σ		0.013	0.008	0.022	45.720	45.920	0.003	0.060	0.083
%RSD		8.353	7.069	2.888	50.930	49.510	2.509	18.110	3.383
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:49	2.506	4.826	4.499	0.658	2.760	2.793	0.000	0.197
2	15:30:32	2.553	4.791	4.617	0.379	1.721	1.028	0.000	0.188
3	15:31:15	2.432	4.902	4.706	0.387	1.265	1.016	0.000	0.186
x		2.497	4.840	4.608	0.475	1.915	1.613	0.000	0.190
σ		0.061	0.057	0.104	0.159	0.766	1.023	0.000	0.006
%RSD		2.448	1.176	2.252	33.450	40.000	63.400	0.000	3.109
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:49	109.771%	199.700	199.200	107.837%	0.208	0.226	0.174	-0.319
2	15:30:32	111.282%	197.200	197.800	109.115%	0.215	0.205	0.179	-0.111
3	15:31:15	109.505%	203.100	202.900	106.805%	0.189	0.188	0.175	-0.127
x		110.186%	200.000	200.000	107.919%	0.204	0.206	0.176	-0.186
σ		0.958%	2.928	2.642	1.157%	0.013	0.019	0.003	0.116
%RSD		0.870	1.464	1.321	1.072	6.571	9.200	1.449	62.390
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:49	110.145%	201.900	201.800	201.400	0.245	0.430	109.350%	108.874%
2	15:30:32	113.350%	196.600	196.000	196.600	0.201	0.362	113.368%	112.445%
3	15:31:15	111.117%	201.500	202.200	202.000	0.203	0.362	111.079%	111.274%
x		111.537%	200.000	200.000	200.000	0.217	0.385	111.266%	110.864%
σ		1.643%	2.965	3.436	3.000	0.025	0.039	2.016%	1.820%
%RSD		1.473	1.483	1.718	1.500	11.520	10.220	1.812	1.642
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:29:49	0.086	0.087	0.205	0.212	0.206	103.855%		
2	15:30:32	0.076	0.077	0.150	0.173	0.160	107.304%		
3	15:31:15	0.073	0.087	0.157	0.151	0.158	106.740%		
x		0.078	0.083	0.171	0.179	0.175	105.966%		
σ		0.007	0.005	0.030	0.031	0.027	1.850%		
%RSD		8.704	6.490	17.390	17.200	15.700	1.746		

ICV 660333 12/27/2012 3:33:24 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:07	99.882%	80.930	86.060	87.870	0.000	39370.000	38520.000	38270.000
2	15:34:50	101.966%	77.240	81.290	84.890	0.000	38370.000	37390.000	37710.000
3	15:35:33	102.966%	80.140	87.860	89.080	0.000	39150.000	37960.000	38010.000
x		101.605%	99.294%	106.336%	109.104%	0.000	97.411%	94.890%	94.996%
σ		1.573%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.549	2.448	3.992	2.470	0.000	1.350	1.491	0.732

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:07	413.700	4128.000	0.000	38490.000	38410.000	38520.000	112.514%	80.950
2	15:34:50	408.400	4080.000	0.000	37850.000	37610.000	38020.000	114.285%	79.680
3	15:35:33	416.500	4120.000	0.000	38250.000	37850.000	38280.000	117.219%	79.860
x		103.217%	102.727%	0.000	95.485%	94.899%	95.683%	114.673%	100.204%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.376%	n/a
%RSD		1.000	0.617	0.000	0.842	1.082	0.658	2.072	0.853

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:07	78.030	78.740	392.500	19490.000	19340.000	77.430	78.700	80.710
2	15:34:50	77.220	79.300	390.100	19390.000	19290.000	78.350	79.370	79.730
3	15:35:33	77.330	79.130	392.100	19330.000	19330.000	78.450	79.980	79.760
x		96.907%	98.818%	97.891%	97.020%	96.604%	97.596%	99.184%	100.081%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.563	0.366	0.322	0.427	0.139	0.722	0.805	0.693

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:07	79.730	86.010	86.510	80.070	81.580	82.310	0.000	74.110
2	15:34:50	79.260	86.700	85.400	79.740	81.500	81.980	0.000	74.270
3	15:35:33	80.700	86.490	87.230	81.150	83.900	81.450	0.000	74.790
x		99.873%	108.003%	107.978%	100.404%	102.906%	102.392%	0.000	92.987%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.919	0.409	1.066	0.917	1.657	0.528	0.000	0.480

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:07	108.583%	78.760	80.420	96.725%	80.500	80.270	81.390	81.570
2	15:34:50	110.755%	79.110	80.840	98.820%	80.720	80.500	80.990	80.960
3	15:35:33	112.468%	79.830	81.830	99.998%	81.340	81.470	82.000	81.810
x		110.602%	99.040%	101.288%	98.514%	101.067%	100.934%	101.825%	101.807%
σ		1.947%	n/a	n/a	1.657%	n/a	n/a	n/a	n/a
%RSD		1.760	0.689	0.890	1.682	0.536	0.789	0.627	0.537

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:07	104.159%	80.520	78.040	78.430	78.250	78.660	104.338%	105.137%
2	15:34:50	107.409%	79.630	78.140	77.950	78.420	78.920	109.052%	108.625%
3	15:35:33	108.478%	80.260	79.090	79.130	78.150	79.260	109.592%	109.926%
x		106.682%	100.169%	98.030%	98.129%	97.839%	98.679%	107.661%	107.896%
σ		2.250%	n/a	n/a	n/a	n/a	n/a	2.890%	2.477%
%RSD		2.109	0.568	0.743	0.755	0.174	0.384	2.685	2.295

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:07	80.570	80.670	79.260	78.190	78.410	92.504%
2	15:34:50	81.550	81.230	79.110	78.830	78.950	94.736%
3	15:35:33	81.740	82.670	80.350	79.440	80.020	94.742%
x		101.606%	101.909%	99.466%	98.527%	98.908%	93.994%
σ		n/a	n/a	n/a	n/a	n/a	1.290%
%RSD		0.774	1.266	0.851	0.791	1.030	1.373

ICB 12/27/2012 3:40:42 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:25	100.679%	0.014	1.322	1.269	0.000	1.793	0.384	0.279
2	15:42:08	99.133%	0.011	0.979	1.001	0.000	1.540	0.507	0.263
3	15:42:51	98.919%	0.003	0.944	0.917	0.000	1.799	0.620	0.550
x		99.577%	0.009	1.081	1.062	0.000	1.711	0.504	0.364
σ		0.961%	0.006	0.209	0.184	0.000	0.148	0.118	0.162
%RSD		0.965	61.550	19.320	17.280	0.000	8.644	23.410	44.360
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:25	-0.381	3.268	0.000	2.179	16.820	14.010	108.520%	-0.028
2	15:42:08	-0.416	2.781	0.000	-0.185	14.150	15.000	109.269%	0.005
3	15:42:51	-0.338	2.836	0.000	0.946	13.890	13.260	105.823%	-0.018
x		-0.378	2.962	0.000	0.980	14.950	14.090	107.871%	-0.014
σ		0.039	0.267	0.000	1.182	1.617	0.872	1.812%	0.017
%RSD		10.280	9.014	0.000	120.600	10.810	6.189	1.680	120.100
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:25	-0.002	-0.047	-0.005	6.723	10.230	-0.002	0.033	-0.004
2	15:42:08	-0.020	-0.075	0.011	0.677	6.818	-0.007	0.006	-0.012
3	15:42:51	-0.013	-0.064	0.004	0.691	6.095	-0.003	0.009	-0.018
x		-0.012	-0.062	0.004	2.697	7.714	-0.004	0.016	-0.011
σ		0.009	0.014	0.008	3.486	2.208	0.002	0.015	0.007
%RSD		76.530	23.010	218.400	129.300	28.620	67.240	94.250	64.540
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:25	-0.000	-0.175	-0.335	0.019	0.255	0.223	0.000	0.009
2	15:42:08	0.009	-0.388	-0.344	-0.020	0.046	-0.175	0.000	0.007
3	15:42:51	-0.011	-0.354	-0.256	0.137	0.283	0.436	0.000	0.011
x		-0.001	-0.306	-0.312	0.045	0.195	0.161	0.000	0.009
σ		0.010	0.115	0.048	0.082	0.130	0.310	0.000	0.002
%RSD		1264.000	37.510	15.540	181.500	66.680	192.400	0.000	22.350
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:25	103.203%	0.247	0.267	102.794%	0.013	0.004	0.056	0.025
2	15:42:08	104.140%	0.230	0.233	102.543%	0.008	0.012	0.058	0.026
3	15:42:51	103.555%	0.212	0.172	102.076%	0.007	0.013	0.043	0.015
x		103.633%	0.230	0.224	102.471%	0.009	0.010	0.052	0.022
σ		0.474%	0.017	0.048	0.364%	0.003	0.005	0.008	0.006
%RSD		0.457	7.549	21.380	0.356	34.580	50.080	15.420	28.690
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:25	105.798%	0.056	0.009	0.002	0.016	-0.012	106.670%	107.672%
2	15:42:08	107.556%	-0.026	-0.002	0.021	-0.010	-0.007	109.087%	109.394%
3	15:42:51	107.346%	-0.012	0.006	0.017	-0.013	-0.005	109.523%	109.456%
x		106.900%	0.006	0.005	0.013	-0.002	-0.008	108.427%	108.841%
σ		0.960%	0.044	0.006	0.010	0.016	0.004	1.537%	1.012%
%RSD		0.898	692.100	118.100	75.080	758.100	44.440	1.417	0.930
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:41:25	0.001	0.002	0.030	0.030	0.031	104.899%		
2	15:42:08	-0.000	-0.005	0.026	0.017	0.016	106.405%		
3	15:42:51	0.001	0.003	0.011	0.009	0.011	105.955%		
x		0.001	0.000	0.022	0.019	0.019	105.753%		
σ		0.001	0.004	0.010	0.011	0.010	0.773%		
%RSD		124.700	4053.000	45.800	55.600	54.070	0.731		

CRI 668876 12/27/2012 3:49:22 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:50:05	97.837%	1.002	5.673	5.504	0.000	104.300	102.500	101.600
2	15:50:48	95.522%	0.982	5.418	5.597	0.000	106.100	104.200	103.400
3	15:51:31	94.320%	0.947	5.566	5.371	0.000	103.300	101.100	100.700
x		95.893%	97.688%	111.046%	109.811%	0.000	104.605%	102.605%	101.904%
σ		1.788%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.865	2.852	2.306	2.066	0.000	1.367	1.485	1.367
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:50:05	32.660	522.000	0.000	95.320	88.330	109.200	105.825%	4.816
2	15:50:48	33.360	530.300	0.000	99.560	104.600	111.000	101.722%	5.126
3	15:51:31	31.950	512.500	0.000	92.480	112.400	109.900	106.712%	4.714
x		108.853%	104.322%	0.000	95.785%	101.788%	110.032%	104.753%	97.703%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.662%	n/a
%RSD		2.154	1.699	0.000	3.719	12.070	0.823	2.541	4.393
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:50:05	0.947	1.896	5.499	58.780	66.360	0.493	0.987	2.101
2	15:50:48	0.975	2.027	5.771	61.670	66.030	0.540	1.095	2.131
3	15:51:31	0.891	1.877	5.551	53.980	60.560	0.507	1.025	2.044
x		93.735%	96.661%	1121.366%	116.285%	128.630%	102.697%	103.554%	104.586%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		4.567	4.217	2.575	6.679	5.064	4.703	5.268	2.104
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:50:05	2.097	5.578	5.781	0.930	5.289	4.406	0.000	4.753
2	15:50:48	2.169	5.503	5.529	1.127	5.090	5.069	0.000	4.785
3	15:51:31	2.161	5.419	5.391	0.876	5.041	4.583	0.000	4.731
x		107.126%	110.002%	111.344%	97.759%	102.802%	93.721%	0.000	95.127%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.836	1.449	3.548	13.490	2.553	7.328	0.000	0.575
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:50:05	98.069%	4.410	4.489	98.354%	1.017	0.984	1.172	1.009
2	15:50:48	99.639%	4.662	4.724	99.288%	1.017	0.995	1.010	1.040
3	15:51:31	100.121%	4.710	4.694	99.737%	1.012	0.950	0.999	1.040
x		99.276%	91.879%	92.711%	99.126%	101.550%	97.616%	106.011%	102.958%
σ		1.073%	n/a	n/a	0.706%	n/a	n/a	n/a	n/a
%RSD		1.081	3.514	2.765	0.712	0.323	2.418	9.118	1.732
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:50:05	103.498%	5.371	1.932	1.954	9.099	9.380	105.767%	106.152%
2	15:50:48	104.834%	5.341	1.910	1.934	9.467	9.165	108.908%	109.438%
3	15:51:31	105.489%	5.495	1.924	1.956	9.263	9.492	109.147%	109.383%
x		104.607%	108.043%	96.098%	97.393%	92.767%	93.456%	107.941%	108.324%
σ		1.015%	n/a	n/a	n/a	n/a	n/a	1.886%	1.882%
%RSD		0.970	1.517	0.576	0.635	1.989	1.775	1.748	1.737
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:50:05	0.912	0.889	0.953	0.957	0.947	104.162%		
2	15:50:48	0.911	0.910	0.965	0.999	0.968	106.993%		
3	15:51:31	0.930	0.907	0.944	1.018	0.965	106.462%		
x		91.753%	90.186%	95.382%	99.115%	95.984%	105.872%		
σ		n/a	n/a	n/a	n/a	n/a	1.505%		
%RSD		1.174	1.295	1.143	3.161	1.186	1.422		

ICSA 668877 12/27/2012 3:53:42 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:25	85.199%	0.026	0.755	0.715	0.000	104800.000	101200.000	102000.000
2	15:55:09	77.575%	0.021	0.513	0.727	0.000	109100.000	105600.000	107400.000
3	15:55:52	78.242%	0.024	0.499	0.731	0.000	109900.000	104600.000	106800.000
x		80.339%	0.024	0.589	0.724	0.000	108000.000	103800.000	105400.000
σ		4.223%	0.003	0.144	0.008	0.000	2729.000	2274.000	2945.000
%RSD		5.256	11.140	24.450	1.166	0.000	2.528	2.190	2.794

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:25	99410.000	30.890	0.000	99440.000	101900.000	102800.000	95.662%	2254.000
2	15:55:09	105800.000	31.210	0.000	103300.000	107000.000	107100.000	90.659%	2343.000
3	15:55:52	104800.000	30.800	0.000	104000.000	107300.000	108100.000	89.936%	2383.000
x		103300.000	30.970	0.000	102200.000	105400.000	106000.000	92.086%	2327.000
σ		3419.000	0.218	0.000	2449.000	3040.000	2852.000	3.118%	66.020
%RSD		3.310	0.704	0.000	2.395	2.885	2.690	3.386	2.837

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:25	-0.555	0.011	0.400	107100.000	107900.000	0.180	0.370	1.087
2	15:55:09	-0.405	0.082	0.424	111400.000	111400.000	0.180	0.403	1.116
3	15:55:52	-0.298	0.097	0.430	112700.000	113400.000	0.145	0.369	1.046
x		-0.419	0.063	0.418	110400.000	110900.000	0.168	0.381	1.083
σ		0.129	0.046	0.016	2892.000	2788.000	0.021	0.019	0.036
%RSD		30.730	72.410	3.828	2.619	2.514	12.220	5.078	3.281

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:25	1.659	3.875	2.394	-0.110	0.681	-1.105	0.000	5.139
2	15:55:09	1.541	4.122	2.780	0.065	0.835	-0.487	0.000	5.344
3	15:55:52	1.603	4.335	2.687	-0.101	0.669	-1.145	0.000	5.382
x		1.601	4.111	2.620	-0.049	0.729	-0.912	0.000	5.288
σ		0.059	0.231	0.202	0.098	0.092	0.369	0.000	0.130
%RSD		3.680	5.609	7.699	201.200	12.680	40.420	0.000	2.466

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:25	83.741%	2312.000	2210.000	81.207%	0.165	0.142	0.504	0.304
2	15:55:09	83.682%	2419.000	2314.000	80.230%	0.144	0.141	0.374	0.256
3	15:55:52	83.908%	2435.000	2316.000	80.167%	0.141	0.127	0.277	0.330
x		83.777%	2389.000	2280.000	80.534%	0.150	0.137	0.385	0.297
σ		0.117%	66.990	60.440	0.583%	0.013	0.008	0.114	0.037
%RSD		0.140	2.805	2.651	0.724	8.551	6.064	29.680	12.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:25	92.845%	0.342	0.302	0.324	0.234	0.280	93.292%	93.094%
2	15:55:09	92.387%	0.348	0.349	0.329	0.300	0.243	95.467%	96.046%
3	15:55:52	93.395%	0.185	0.307	0.319	0.230	0.251	96.050%	96.690%
x		92.876%	0.292	0.320	0.324	0.255	0.258	94.936%	95.277%
σ		0.505%	0.092	0.026	0.005	0.039	0.020	1.453%	1.917%
%RSD		0.543	31.630	8.142	1.535	15.380	7.654	1.531	2.012

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:25	0.010	0.003	0.237	0.235	0.235	85.990%
2	15:55:09	0.009	0.004	0.252	0.187	0.232	87.883%
3	15:55:52	0.004	0.001	0.237	0.230	0.227	86.248%
x		0.008	0.003	0.242	0.218	0.231	86.707%
σ		0.003	0.001	0.009	0.026	0.004	1.027%
%RSD		41.740	51.560	3.721	12.180	1.864	1.184

ICSAB 668878 12/27/2012 3:58:04 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:46	79.587%	20.140	48.120	49.080	0.000	105000.000	99600.000	101400.000
2	15:59:29	77.568%	20.060	49.490	49.400	0.000	106000.000	100700.000	103100.000
3	16:00:12	77.202%	20.260	48.400	49.190	0.000	105700.000	100700.000	103300.000
x		78.119%	100.777%	97.336%	98.448%	0.000	105.574%	100.345%	102.578%
σ		1.284%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.644	0.509	1.490	0.332	0.000	0.498	0.646	1.042

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:46	100200.000	604.900	0.000	98130.000	102700.000	103000.000	91.395%	2268.000
2	15:59:29	101300.000	611.900	0.000	100300.000	105100.000	105500.000	88.323%	2292.000
3	16:00:12	101700.000	613.600	0.000	99980.000	105800.000	106600.000	87.762%	2281.000
x		101.073%	122.028%	0.000	99.475%	104.528%	105.040%	89.160%	114.007%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.955%	n/a
%RSD		0.751	0.760	0.000	1.186	1.579	1.728	2.193	0.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:46	21.300	21.070	23.050	103600.000	103600.000	20.160	19.700	20.080
2	15:59:29	21.330	21.470	23.540	105200.000	105600.000	20.620	19.840	20.620
3	16:00:12	21.370	21.790	23.600	106500.000	106500.000	20.750	20.810	20.680
x		106.685%	107.219%	101.730%	105.103%	105.219%	102.559%	100.571%	102.302%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.169	1.687	1.279	1.348	1.421	1.530	2.995	1.632

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:46	20.170	23.700	22.470	19.740	51.040	49.430	0.000	23.530
2	15:59:29	20.770	23.990	22.840	19.680	51.920	48.690	0.000	24.110
3	16:00:12	20.630	23.650	22.530	20.500	51.770	49.510	0.000	24.030
x		102.620%	95.122%	90.445%	99.852%	103.156%	98.416%	0.000	119.452%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.525	0.765	0.880	2.285	0.908	0.915	0.000	1.315

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:46	100.600%	2128.000	2097.000	81.107%	21.440	21.140	21.770	21.050
2	15:59:29	100.513%	2175.000	2151.000	80.421%	21.810	21.550	22.110	21.530
3	16:00:12	99.940%	2173.000	2161.000	80.014%	21.970	21.750	21.820	21.620
x		100.351%	107.950%	106.802%	80.514%	108.693%	107.394%	109.507%	107.002%
σ		0.358%	n/a	n/a	0.553%	n/a	n/a	n/a	n/a
%RSD		0.357	1.236	1.615	0.686	1.267	1.458	0.833	1.424

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:46	96.993%	105.100	20.960	20.780	21.300	21.170	102.765%	97.671%
2	15:59:29	97.263%	107.700	21.450	21.640	21.410	21.520	104.946%	99.842%
3	16:00:12	96.664%	107.900	21.220	21.600	21.560	21.690	104.628%	100.110%
x		96.973%	106.876%	106.041%	106.705%	107.130%	107.310%	104.113%	99.208%
σ		0.300%	n/a	n/a	n/a	n/a	n/a	1.178%	1.338%
%RSD		0.310	1.448	1.164	2.291	0.602	1.236	1.132	1.348

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:46	21.840	21.730	22.130	22.000	22.020	91.632%
2	15:59:29	22.510	22.530	22.900	22.550	22.600	93.678%
3	16:00:12	22.410	22.460	22.710	22.620	22.620	94.436%
x		111.251%	111.186%	112.909%	111.957%	112.069%	93.249%
σ		n/a	n/a	n/a	n/a	n/a	1.451%
%RSD		1.631	2.000	1.770	1.512	1.525	1.556

CCV 664806 12/27/2012 4:06:02 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:45	76.547%	99.950	94.430	95.770	0.000	49780.000	48200.000	49080.000
2	16:07:28	75.708%	97.060	92.870	95.100	0.000	49880.000	48230.000	49850.000
3	16:08:11	71.662%	101.200	96.520	95.530	0.000	49950.000	47900.000	49510.000
x		74.639%	99.417%	94.611%	95.466%	0.000	99.743%	96.225%	98.956%
σ		2.612%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.500	2.153	1.936	0.351	0.000	0.170	0.379	0.780

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:45	538.100	5006.000	0.000	46690.000	47600.000	48920.000	90.862%	101.400
2	16:07:28	546.000	5022.000	0.000	46790.000	49240.000	49110.000	89.003%	101.400
3	16:08:11	544.000	5066.000	0.000	46570.000	48350.000	48870.000	87.133%	100.600
x		108.539%	100.624%	0.000	93.372%	96.787%	97.935%	89.000%	101.134%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.865%	n/a
%RSD		0.764	0.621	0.000	0.237	1.695	0.265	2.095	0.472

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:45	99.030	99.590	512.400	25550.000	25270.000	99.230	99.160	98.020
2	16:07:28	99.320	100.600	509.400	25330.000	25100.000	98.460	99.930	98.750
3	16:08:11	100.100	99.570	510.700	25410.000	25030.000	98.500	98.770	98.010
x		99.482%	99.906%	102.166%	101.719%	100.538%	98.729%	99.287%	98.259%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.552	0.571	0.287	0.437	0.484	0.440	0.595	0.431

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:45	98.640	105.000	104.000	97.520	101.700	100.300	0.000	94.440
2	16:07:28	97.620	104.900	104.800	97.880	101.800	100.800	0.000	96.180
3	16:08:11	98.060	105.200	105.600	98.870	102.100	101.600	0.000	94.780
x		98.106%	105.011%	104.773%	98.088%	101.891%	100.908%	0.000	95.131%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.521	0.166	0.760	0.710	0.183	0.643	0.000	0.968

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:45	94.139%	97.570	99.240	88.000%	97.880	97.140	98.860	97.820
2	16:07:28	94.226%	100.100	102.200	87.275%	99.230	98.080	99.560	99.170
3	16:08:11	95.056%	99.300	101.500	88.240%	97.970	96.900	98.540	98.690
x		94.474%	98.974%	100.990%	87.838%	98.359%	97.376%	98.984%	98.560%
σ		0.506%	n/a	n/a	0.503%	n/a	n/a	n/a	n/a
%RSD		0.536	1.287	1.539	0.572	0.770	0.636	0.529	0.696

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:45	98.978%	93.090	93.480	93.400	93.100	93.810	99.552%	103.115%
2	16:07:28	99.237%	94.950	95.770	95.580	94.390	96.520	100.983%	104.831%
3	16:08:11	101.230%	94.580	95.300	95.450	93.670	94.470	103.674%	107.308%
x		99.815%	94.206%	94.852%	94.810%	93.721%	94.933%	101.403%	105.084%
σ		1.232%	n/a	n/a	n/a	n/a	n/a	2.093%	2.108%
%RSD		1.234	1.048	1.274	1.288	0.693	1.491	2.064	2.006

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:45	96.650	96.230	96.180	95.830	95.840	96.284%
2	16:07:28	97.280	97.570	98.660	98.150	98.140	97.504%
3	16:08:11	97.150	97.260	97.510	97.930	97.650	99.602%
x		97.028%	97.020%	97.453%	97.307%	97.212%	97.797%
σ		n/a	n/a	n/a	n/a	n/a	1.678%
%RSD		0.347	0.720	1.272	1.316	1.247	1.716

CCB1 12/27/2012 4:13:18 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:01	93.048%	0.003	0.503	0.552	0.000	1.747	0.893	0.460
2	16:14:44	90.024%	0.002	0.492	0.501	0.000	1.447	0.672	0.660
3	16:15:27	89.298%	0.014	0.308	0.440	0.000	1.405	0.683	0.674
x		90.790%	0.006	0.435	0.498	0.000	1.533	0.749	0.598
σ		1.989%	0.006	0.109	0.057	0.000	0.186	0.125	0.120
%RSD		2.191	98.260	25.180	11.360	0.000	12.150	16.690	20.080
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:01	0.111	-0.418	0.000	-6.624	9.198	10.800	103.587%	0.106
2	16:14:44	-0.068	-1.052	0.000	-9.986	6.823	12.030	105.409%	0.059
3	16:15:27	-0.110	-1.247	0.000	-9.303	15.140	9.773	103.323%	-0.025
x		-0.022	-0.905	0.000	-8.638	10.390	10.870	104.106%	0.047
σ		0.117	0.434	0.000	1.777	4.283	1.130	1.136%	0.067
%RSD		527.200	47.880	0.000	20.570	41.240	10.400	1.091	142.900
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:01	0.000	-0.045	0.128	1.349	10.440	-0.005	0.018	-0.011
2	16:14:44	-0.011	-0.061	0.126	-7.384	6.421	-0.007	-0.008	-0.012
3	16:15:27	-0.014	-0.047	0.133	-7.675	3.449	-0.004	0.003	-0.008
x		-0.008	-0.051	0.129	-4.570	6.769	-0.006	0.004	-0.010
σ		0.007	0.008	0.004	5.128	3.508	0.002	0.013	0.002
%RSD		91.540	16.230	3.102	112.200	51.820	27.050	320.100	18.620
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:01	-0.001	-0.370	-0.382	-0.104	-0.236	-0.334	0.000	0.011
2	16:14:44	-0.016	-0.428	-0.341	-0.076	-0.382	-0.197	0.000	0.008
3	16:15:27	-0.014	-0.336	-0.369	0.017	-0.085	0.029	0.000	0.012
x		-0.010	-0.378	-0.364	-0.054	-0.234	-0.167	0.000	0.010
σ		0.008	0.047	0.021	0.064	0.148	0.184	0.000	0.002
%RSD		82.720	12.360	5.738	117.200	63.270	109.900	0.000	17.190
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:01	91.712%	0.776	0.829	92.141%	0.004	0.004	0.036	0.010
2	16:14:44	94.432%	0.678	0.724	94.058%	0.004	0.001	0.054	0.020
3	16:15:27	93.453%	0.617	0.605	93.473%	0.003	0.005	0.000	-0.016
x		93.199%	0.690	0.719	93.224%	0.003	0.003	0.030	0.004
σ		1.378%	0.080	0.112	0.982%	0.001	0.002	0.027	0.019
%RSD		1.478	11.600	15.580	1.054	15.890	57.950	91.110	431.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:01	98.214%	0.138	0.015	0.028	-0.015	-0.015	104.176%	105.677%
2	16:14:44	101.267%	0.122	0.012	0.028	-0.003	-0.005	110.845%	111.850%
3	16:15:27	101.515%	-0.002	0.023	0.023	0.001	-0.001	109.939%	111.449%
x		100.332%	0.086	0.017	0.026	-0.006	-0.007	108.320%	109.659%
σ		1.839%	0.076	0.005	0.003	0.008	0.007	3.617%	3.454%
%RSD		1.833	89.060	32.520	10.650	144.000	104.500	3.339	3.150
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:14:01	0.005	0.004	0.063	0.049	0.054	107.020%		
2	16:14:44	0.008	0.000	0.032	0.021	0.024	111.580%		
3	16:15:27	0.008	0.002	0.025	0.036	0.026	111.747%		
x		0.007	0.002	0.040	0.035	0.035	110.116%		
σ		0.002	0.002	0.020	0.014	0.017	2.682%		
%RSD		27.930	86.780	50.010	39.050	48.760	2.436		

240-18441-I-4-A@10 12/27/2012 4:17:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:20	80.438%	1.469	3.817	3.728	0.000	56.560	4592.000	4762.000
2	16:19:03	77.346%	1.271	3.266	3.465	0.000	54.720	4439.000	4559.000
3	16:19:46	76.974%	1.388	3.278	3.800	0.000	56.320	4672.000	4792.000
x		78.253%	1.376	3.453	3.664	0.000	55.870	4568.000	4704.000
σ		1.901%	0.099	0.315	0.176	0.000	0.998	118.400	126.800
%RSD		2.430	7.229	9.113	4.808	0.000	1.786	2.593	2.696

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:20	11170.000	215.100	0.000	1634.000	793.200	809.500	97.375%	33.460
2	16:19:03	10550.000	202.900	0.000	1544.000	691.900	760.900	97.052%	32.970
3	16:19:46	11230.000	214.800	0.000	1641.000	762.400	806.700	96.090%	34.070
x		10980.000	210.900	0.000	1606.000	749.200	792.300	96.839%	33.500
σ		379.800	6.965	0.000	54.320	51.930	27.290	0.668%	0.551
%RSD		3.457	3.302	0.000	3.381	6.932	3.444	0.690	1.645

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:20	22.770	22.960	1004.000	72190.000	71100.000	27.170	41.590	39.000
2	16:19:03	21.510	21.630	948.100	67660.000	66570.000	25.770	39.430	36.920
3	16:19:46	22.740	22.730	993.300	70880.000	69610.000	26.700	42.140	39.300
x		22.340	22.440	981.700	70240.000	69090.000	26.550	41.050	38.400
σ		0.718	0.712	29.610	2329.000	2308.000	0.710	1.435	1.294
%RSD		3.214	3.174	3.016	3.316	3.341	2.673	3.496	3.370

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:20	39.360	92.590	91.390	2.754	0.085	-0.900	0.000	8.977
2	16:19:03	36.870	87.430	86.720	2.687	0.087	-0.497	0.000	8.664
3	16:19:46	38.720	90.920	92.720	2.773	0.127	-0.505	0.000	9.059
x		38.320	90.310	90.270	2.738	0.100	-0.634	0.000	8.900
σ		1.289	2.633	3.151	0.045	0.023	0.230	0.000	0.208
%RSD		3.365	2.916	3.491	1.641	23.450	36.330	0.000	2.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:20	108.314%	1.430	1.515	94.188%	0.080	0.060	0.183	0.105
2	16:19:03	111.002%	1.296	1.424	95.769%	0.073	0.057	0.156	0.102
3	16:19:46	108.742%	1.408	1.453	93.663%	0.077	0.063	0.205	0.165
x		109.353%	1.378	1.464	94.540%	0.077	0.060	0.181	0.124
σ		1.444%	0.072	0.046	1.096%	0.003	0.003	0.025	0.035
%RSD		1.321	5.229	3.160	1.160	4.476	5.028	13.590	28.490

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:20	102.706%	1.179	0.170	0.160	46.280	46.010	109.923%	111.469%
2	16:19:03	105.693%	1.025	0.177	0.183	43.580	43.470	115.356%	116.717%
3	16:19:46	102.966%	1.041	0.185	0.192	45.540	45.890	112.248%	113.735%
x		103.789%	1.082	0.177	0.178	45.130	45.120	112.509%	113.974%
σ		1.655%	0.085	0.007	0.017	1.393	1.431	2.726%	2.632%
%RSD		1.594	7.813	4.133	9.443	3.086	3.171	2.423	2.310

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:20	0.105	0.105	20.060	19.580	19.620	107.915%
2	16:19:03	0.100	0.102	18.880	18.500	18.550	113.669%
3	16:19:46	0.114	0.106	20.160	19.920	19.860	108.451%
x		0.106	0.104	19.700	19.340	19.340	110.011%
σ		0.007	0.002	0.711	0.741	0.701	3.179%
%RSD		6.857	2.205	3.610	3.833	3.623	2.889

240-18441-I-6-A@10 12/27/2012 4:21:54 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	84.557%	1.005	2.797	2.762	0.000	49.330	4229.000	4371.000
2	16:23:20	79.890%	0.966	2.990	2.861	0.000	50.360	4293.000	4454.000
3	16:24:03	77.827%	0.949	2.726	2.884	0.000	50.100	4363.000	4462.000
x		80.758%	0.973	2.838	2.836	0.000	49.930	4295.000	4429.000
σ		3.448%	0.029	0.136	0.065	0.000	0.533	67.120	50.250
%RSD		4.269	2.966	4.807	2.288	0.000	1.068	1.563	1.134

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	10770.000	174.300	0.000	1467.000	741.800	745.800	98.918%	33.260
2	16:23:20	10860.000	177.500	0.000	1473.000	733.900	779.200	93.396%	33.150
3	16:24:03	10950.000	179.100	0.000	1476.000	716.300	780.700	92.579%	32.840
x		10860.000	176.900	0.000	1472.000	730.700	768.600	94.965%	33.080
σ		89.920	2.415	0.000	4.627	13.050	19.710	3.448%	0.213
%RSD		0.828	1.365	0.000	0.314	1.786	2.565	3.631	0.644

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	22.070	22.860	1140.000	53640.000	52810.000	16.190	40.130	35.890
2	16:23:20	22.220	23.200	1143.000	53360.000	52710.000	16.250	40.080	35.520
3	16:24:03	22.480	23.210	1155.000	53920.000	53170.000	16.440	40.520	35.870
x		22.260	23.090	1146.000	53640.000	52900.000	16.290	40.240	35.760
σ		0.206	0.201	8.102	277.400	242.800	0.129	0.240	0.211
%RSD		0.927	0.871	0.707	0.517	0.459	0.791	0.596	0.589

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	35.540	104.300	104.400	2.404	0.036	-0.079	0.000	7.827
2	16:23:20	36.130	104.600	103.600	2.475	0.132	0.036	0.000	7.769
3	16:24:03	35.780	105.400	105.700	2.456	0.057	-0.260	0.000	7.838
x		35.820	104.800	104.600	2.445	0.075	-0.101	0.000	7.811
σ		0.297	0.564	1.044	0.036	0.050	0.149	0.000	0.037
%RSD		0.830	0.538	0.999	1.488	67.120	148.000	0.000	0.473

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	104.198%	1.488	1.490	93.096%	0.057	0.035	0.319	0.236
2	16:23:20	103.466%	1.445	1.494	91.706%	0.056	0.059	0.288	0.193
3	16:24:03	102.529%	1.441	1.482	90.435%	0.054	0.054	0.255	0.224
x		103.398%	1.458	1.489	91.746%	0.055	0.049	0.287	0.218
σ		0.837%	0.026	0.006	1.331%	0.002	0.013	0.032	0.022
%RSD		0.809	1.774	0.385	1.451	2.754	25.760	11.160	10.210

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	99.634%	0.850	0.113	0.136	55.630	55.190	107.020%	108.152%
2	16:23:20	101.259%	0.884	0.130	0.134	54.290	54.190	109.023%	109.490%
3	16:24:03	99.257%	0.728	0.117	0.139	55.450	54.960	107.206%	108.413%
x		100.050%	0.821	0.120	0.136	55.120	54.780	107.750%	108.685%
σ		1.064%	0.082	0.009	0.003	0.728	0.526	1.107%	0.709%
%RSD		1.063	10.010	7.509	1.883	1.320	0.961	1.027	0.653

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:37	0.099	0.094	16.010	15.820	15.850	103.112%
2	16:23:20	0.087	0.094	16.190	15.710	15.910	104.786%
3	16:24:03	0.090	0.099	16.400	16.080	16.140	102.792%
x		0.092	0.096	16.200	15.870	15.970	103.563%
σ		0.006	0.003	0.196	0.189	0.154	1.071%
%RSD		6.883	3.220	1.211	1.193	0.964	1.034

240-18441-I-7-A@1 12/27/2012 4:26:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:54	82.071%	1.245	2.895	2.819	0.000	56.670	5603.000	5684.000
2	16:27:37	77.130%	1.256	2.653	2.768	0.000	57.810	5406.000	5839.000
3	16:28:20	76.551%	1.192	2.294	2.672	0.000	56.330	4707.000	5706.000
x		78.584%	1.231	2.614	2.753	0.000	56.930	5239.000	5743.000
σ		3.034%	0.034	0.302	0.074	0.000	0.776	470.800	83.520
%RSD		3.860	2.774	11.570	2.703	0.000	1.363	8.986	1.454

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:54	12560.000	160.600	0.000	1481.000	642.100	659.000	96.630%	34.600
2	16:27:37	13000.000	165.800	0.000	1528.000	649.400	669.300	89.847%	35.200
3	16:28:20	12740.000	160.500	0.000	1475.000	609.900	665.400	90.232%	34.920
x		12760.000	162.300	0.000	1495.000	633.800	664.600	92.236%	34.910
σ		222.300	3.042	0.000	29.130	21.030	5.197	3.810%	0.301
%RSD		1.741	1.874	0.000	1.949	3.318	0.782	4.131	0.864

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:54	26.130	27.490	1431.000	64850.000	63700.000	20.260	58.010	42.470
2	16:27:37	26.530	27.920	1484.000	66210.000	65330.000	20.930	59.180	43.200
3	16:28:20	25.900	27.280	1450.000	65070.000	63410.000	20.040	58.790	42.790
x		26.190	27.560	1455.000	65380.000	64150.000	20.410	58.660	42.820
σ		0.322	0.328	27.240	731.800	1036.000	0.464	0.595	0.364
%RSD		1.228	1.189	1.872	1.119	1.615	2.273	1.014	0.851

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:54	42.290	122.500	123.400	3.275	-0.041	-0.611	0.000	10.200
2	16:27:37	42.740	126.300	125.000	3.373	-0.077	-0.680	0.000	10.340
3	16:28:20	42.130	123.300	124.800	3.444	-0.311	0.389	0.000	10.130
x		42.390	124.000	124.400	3.364	-0.143	-0.300	0.000	10.230
σ		0.318	2.024	0.850	0.085	0.146	0.598	0.000	0.106
%RSD		0.750	1.632	0.683	2.513	102.600	199.100	0.000	1.039

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:54	101.378%	1.350	1.431	89.178%	0.049	0.039	0.397	0.280
2	16:27:37	100.285%	1.331	1.417	87.079%	0.051	0.045	0.400	0.283
3	16:28:20	100.348%	1.311	1.439	87.109%	0.052	0.034	0.303	0.228
x		100.670%	1.330	1.429	87.789%	0.051	0.039	0.367	0.263
σ		0.614%	0.020	0.012	1.203%	0.001	0.006	0.055	0.031
%RSD		0.609	1.472	0.810	1.371	2.643	14.080	14.970	11.790

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:54	96.301%	0.845	0.165	0.143	74.920	76.010	103.354%	104.332%
2	16:27:37	94.784%	0.804	0.166	0.164	77.380	77.120	103.495%	104.479%
3	16:28:20	94.615%	0.844	0.141	0.173	75.620	75.600	103.837%	105.584%
x		95.233%	0.831	0.157	0.160	75.970	76.240	103.562%	104.798%
σ		0.929%	0.023	0.014	0.016	1.270	0.784	0.248%	0.684%
%RSD		0.975	2.814	8.917	9.732	1.672	1.028	0.240	0.653

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:54	0.116	0.102	21.380	20.800	21.020	98.617%
2	16:27:37	0.106	0.125	22.000	21.480	21.580	99.407%
3	16:28:20	0.111	0.111	21.510	21.400	21.350	99.714%
x		0.111	0.113	21.630	21.230	21.320	99.246%
σ		0.005	0.012	0.326	0.371	0.279	0.566%
%RSD		4.355	10.270	1.506	1.748	1.309	0.570

240-18441-I-8-A@10 12/27/2012 4:30:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:11	80.604%	1.118	2.394	2.405	0.000	47.990	4147.000	4227.000
2	16:31:54	82.167%	0.998	2.271	2.386	0.000	48.270	4116.000	4226.000
3	16:32:37	76.580%	1.102	1.943	2.359	0.000	47.910	4232.000	4309.000
x		79.784%	1.072	2.203	2.383	0.000	48.060	4165.000	4254.000
σ		2.882%	0.065	0.233	0.023	0.000	0.190	60.120	47.760
%RSD		3.612	6.083	10.600	0.954	0.000	0.396	1.443	1.123

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:11	9469.000	179.200	0.000	1268.000	563.200	576.900	93.148%	31.470
2	16:31:54	9474.000	178.400	0.000	1266.000	561.300	583.300	93.466%	31.210
3	16:32:37	9570.000	180.700	0.000	1260.000	573.200	579.000	90.851%	31.640
x		9504.000	179.400	0.000	1265.000	565.900	579.700	92.489%	31.440
σ		56.920	1.160	0.000	4.305	6.382	3.280	1.427%	0.215
%RSD		0.599	0.646	0.000	0.340	1.128	0.566	1.542	0.683

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:11	20.710	20.090	1010.000	53990.000	53040.000	14.010	35.180	33.760
2	16:31:54	20.890	20.190	996.200	53050.000	52460.000	13.960	34.680	33.280
3	16:32:37	20.790	20.120	1000.000	53150.000	52140.000	13.780	35.250	32.730
x		20.800	20.130	1002.000	53400.000	52550.000	13.920	35.030	33.260
σ		0.089	0.050	6.871	516.500	451.700	0.121	0.306	0.512
%RSD		0.428	0.246	0.686	0.967	0.860	0.872	0.874	1.540

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:11	33.370	86.250	88.100	3.358	-0.273	0.223	0.000	8.241
2	16:31:54	32.690	85.690	86.380	3.017	-0.155	-0.411	0.000	8.192
3	16:32:37	32.440	86.230	86.350	2.960	-0.102	-0.619	0.000	8.187
x		32.830	86.060	86.940	3.112	-0.177	-0.269	0.000	8.207
σ		0.484	0.318	1.006	0.215	0.088	0.439	0.000	0.030
%RSD		1.474	0.370	1.157	6.907	49.680	163.200	0.000	0.365

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:11	97.087%	1.034	1.055	87.133%	0.046	0.037	0.331	0.261
2	16:31:54	97.047%	1.190	1.099	85.950%	0.039	0.037	0.252	0.172
3	16:32:37	96.458%	1.087	1.098	85.312%	0.049	0.034	0.165	0.113
x		96.864%	1.104	1.084	86.131%	0.045	0.036	0.249	0.182
σ		0.352%	0.079	0.025	0.924%	0.005	0.002	0.083	0.074
%RSD		0.364	7.185	2.300	1.073	11.120	4.446	33.450	40.940

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:11	93.780%	1.041	0.121	0.129	44.620	44.530	99.752%	101.658%
2	16:31:54	93.814%	1.034	0.133	0.138	44.540	44.540	100.329%	102.169%
3	16:32:37	92.849%	0.987	0.137	0.127	44.330	44.080	100.322%	101.463%
x		93.481%	1.021	0.130	0.131	44.500	44.390	100.135%	101.763%
σ		0.548%	0.029	0.009	0.006	0.152	0.265	0.331%	0.365%
%RSD		0.586	2.861	6.689	4.605	0.342	0.596	0.331	0.358

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:11	0.115	0.115	14.160	13.890	13.930	96.266%
2	16:31:54	0.130	0.116	14.420	14.030	14.140	96.004%
3	16:32:37	0.109	0.118	14.500	14.110	14.260	96.245%
x		0.118	0.116	14.360	14.010	14.110	96.171%
σ		0.011	0.002	0.181	0.112	0.167	0.146%
%RSD		9.001	1.739	1.259	0.798	1.181	0.152

MB 180-59175/1-A 12/27/2012 4:38:23 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:06	112.546%	0.003	-0.080	-0.014	0.000	7.922	5.202	5.123
2	16:39:49	100.658%	-0.006	-0.035	-0.027	0.000	8.101	5.690	5.258
3	16:40:32	105.824%	-0.015	-0.083	-0.003	0.000	7.995	5.941	5.698
x		106.343%	-0.006	-0.066	-0.014	0.000	8.006	5.611	5.359
σ		5.961%	0.009	0.027	0.012	0.000	0.090	0.376	0.301
%RSD		5.605	152.000	40.890	84.840	0.000	1.129	6.693	5.613

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:06	3.676	0.070	0.000	-5.613	22.050	26.550	114.129%	0.041
2	16:39:49	3.250	0.323	0.000	-6.892	21.000	25.920	111.605%	0.002
3	16:40:32	3.182	0.227	0.000	-6.363	29.670	26.060	108.911%	0.035
x		3.370	0.207	0.000	-6.289	24.240	26.180	111.549%	0.026
σ		0.268	0.127	0.000	0.643	4.731	0.332	2.610%	0.021
%RSD		7.949	61.610	0.000	10.230	19.520	1.267	2.340	82.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:06	-0.091	0.013	0.097	8.361	20.430	-0.012	0.054	0.122
2	16:39:49	-0.053	0.010	0.141	3.075	16.560	-0.006	0.066	0.114
3	16:40:32	-0.068	0.022	0.186	3.235	15.840	-0.010	0.065	0.122
x		-0.071	0.015	0.142	4.890	17.610	-0.009	0.062	0.119
σ		0.019	0.006	0.045	3.007	2.470	0.003	0.007	0.004
%RSD		27.050	38.650	31.410	61.490	14.030	28.680	11.200	3.531

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:06	0.164	0.381	0.510	-0.235	-0.400	-1.061	0.000	0.082
2	16:39:49	0.131	0.420	0.339	-0.191	-0.696	-0.503	0.000	0.074
3	16:40:32	0.132	0.389	0.348	-0.062	-0.493	-0.247	0.000	0.081
x		0.142	0.397	0.399	-0.162	-0.529	-0.604	0.000	0.079
σ		0.019	0.021	0.096	0.090	0.151	0.417	0.000	0.004
%RSD		13.220	5.227	24.120	55.290	28.590	68.990	0.000	5.218

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:06	93.004%	0.107	0.119	89.886%	0.030	0.022	0.006	-0.013
2	16:39:49	94.902%	0.127	0.128	90.838%	0.042	0.023	-0.007	-0.003
3	16:40:32	93.864%	0.128	0.119	90.922%	0.028	0.025	-0.075	-0.049
x		93.923%	0.121	0.122	90.549%	0.034	0.023	-0.025	-0.021
σ		0.951%	0.012	0.005	0.576%	0.007	0.002	0.043	0.024
%RSD		1.012	9.904	4.076	0.636	21.930	7.863	171.900	113.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:06	93.084%	1.497	0.004	0.010	0.101	0.125	99.245%	99.966%
2	16:39:49	95.336%	1.457	0.011	0.015	0.101	0.102	101.844%	102.337%
3	16:40:32	95.732%	1.352	0.008	0.007	0.101	0.090	102.169%	103.339%
x		94.717%	1.435	0.008	0.011	0.101	0.105	101.086%	101.880%
σ		1.428%	0.075	0.003	0.004	0.000	0.018	1.602%	1.732%
%RSD		1.508	5.221	41.930	40.450	0.248	16.960	1.585	1.700

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:39:06	-0.009	-0.011	0.099	0.106	0.095	98.724%
2	16:39:49	-0.010	-0.010	0.070	0.062	0.067	102.207%
3	16:40:32	-0.011	-0.011	0.059	0.057	0.063	102.260%
x		-0.010	-0.011	0.076	0.075	0.075	101.064%
σ		0.001	0.001	0.021	0.027	0.017	2.027%
%RSD		7.969	5.152	27.390	35.820	23.190	2.005

LCS 180-59175/2-A 12/27/2012 4:42:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:25	85.894%	827.000	79.960	81.250	0.000	8892.000	8688.000	8991.000
2	16:44:08	81.660%	837.800	81.300	84.820	0.000	9141.000	9012.000	9377.000
3	16:44:51	85.649%	838.600	84.220	84.070	0.000	9080.000	8931.000	9244.000
x		84.401%	834.500	81.830	83.380	0.000	9037.000	8877.000	9204.000
σ		2.377%	6.488	2.179	1.880	0.000	129.400	168.700	196.000
%RSD		2.816	0.777	2.663	2.254	0.000	1.432	1.901	2.129
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:25	8761.000	32.840	0.000	8417.000	9504.000	9708.000	94.380%	91.600
2	16:44:08	9217.000	33.190	0.000	8741.000	9836.000	9925.000	91.345%	93.210
3	16:44:51	8935.000	31.030	0.000	8697.000	9707.000	9964.000	92.380%	95.440
x		8971.000	32.350	0.000	8618.000	9682.000	9866.000	92.702%	93.420
σ		229.700	1.163	0.000	176.000	167.700	137.800	1.543%	1.926
%RSD		2.561	3.594	0.000	2.042	1.732	1.397	1.665	2.061
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:25	862.800	901.800	963.600	9710.000	10160.000	892.600	951.400	960.800
2	16:44:08	892.400	925.600	981.600	9852.000	10420.000	906.000	967.600	980.700
3	16:44:51	868.100	903.100	980.900	9854.000	10380.000	901.200	961.400	970.400
x		874.500	910.200	975.400	9805.000	10320.000	899.900	960.100	970.600
σ		15.780	13.380	10.190	82.630	139.600	6.802	8.192	9.968
%RSD		1.805	1.471	1.045	0.843	1.352	0.756	0.853	1.027
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:25	956.100	864.100	868.100	837.600	793.700	797.200	0.000	890.300
2	16:44:08	982.600	897.800	894.500	853.100	805.500	812.600	0.000	911.300
3	16:44:51	982.500	888.900	893.500	853.000	811.800	813.600	0.000	904.000
x		973.700	883.600	885.400	847.900	803.700	807.800	0.000	901.900
σ		15.270	17.490	14.970	8.922	9.177	9.228	0.000	10.650
%RSD		1.568	1.979	1.691	1.052	1.142	1.142	0.000	1.181
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:25	78.975%	92.500	91.710	82.361%	93.240	93.540	835.000	844.900
2	16:44:08	79.480%	95.500	94.730	82.632%	95.390	95.680	861.600	868.500
3	16:44:51	79.934%	94.760	94.170	83.536%	95.150	95.240	861.100	863.900
x		79.463%	94.260	93.540	82.843%	94.590	94.820	852.600	859.100
σ		0.480%	1.561	1.607	0.616%	1.174	1.132	15.210	12.510
%RSD		0.604	1.656	1.719	0.743	1.241	1.194	1.784	1.457
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:25	88.281%	103.800	80.930	80.610	860.400	865.100	90.968%	91.783%
2	16:44:08	89.874%	104.700	83.370	83.550	877.900	882.500	92.903%	93.652%
3	16:44:51	90.302%	103.400	82.730	83.100	871.200	878.100	94.993%	94.764%
x		89.486%	104.000	82.340	82.420	869.800	875.300	92.955%	93.399%
σ		1.065%	0.673	1.267	1.587	8.868	9.054	2.013%	1.506%
%RSD		1.190	0.648	1.538	1.925	1.019	1.034	2.166	1.613
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:43:25	220.000	220.400	871.000	921.100	858.200	83.355%		
2	16:44:08	229.500	229.700	910.900	959.800	891.300	83.955%		
3	16:44:51	227.900	228.900	903.700	953.700	886.100	84.439%		
x		225.800	226.300	895.200	944.900	878.500	83.916%		
σ		5.080	5.127	21.280	20.830	17.810	0.543%		
%RSD		2.250	2.265	2.378	2.205	2.028	0.647		

240-18544-X-1-A 12/27/2012 4:49:56 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:39	91.322%	4.013	24.090	25.190	0.000	312.400	15300.000	15770.000
2	16:51:22	87.304%	3.979	23.880	25.070	0.000	310.700	15370.000	16080.000
3	16:52:05	87.461%	3.736	24.260	24.450	0.000	306.100	14880.000	15510.000
x		88.696%	3.909	24.070	24.910	0.000	309.700	15180.000	15790.000
σ		2.276%	0.151	0.190	0.396	0.000	3.248	268.900	281.200
%RSD		2.566	3.865	0.790	1.591	0.000	1.049	1.771	1.781

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:39	52340.000	1379.000	0.000	9222.000	11100.000	11630.000	108.144%	265.200
2	16:51:22	53280.000	1381.000	0.000	9183.000	10800.000	11400.000	103.721%	263.300
3	16:52:05	51530.000	1376.000	0.000	9067.000	10810.000	11450.000	101.273%	261.100
x		52390.000	1378.000	0.000	9158.000	10900.000	11500.000	104.379%	263.200
σ		877.200	2.322	0.000	80.480	166.200	122.600	3.483%	2.060
%RSD		1.675	0.169	0.000	0.879	1.524	1.066	3.336	0.783

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:39	95.080	89.160	2569.000	167100.000	168600.000	73.970	158.400	147.900
2	16:51:22	94.600	90.100	2571.000	169000.000	169500.000	75.530	158.700	146.600
3	16:52:05	93.950	88.770	2571.000	168100.000	169500.000	74.980	157.200	145.900
x		94.540	89.350	2570.000	168000.000	169200.000	74.830	158.100	146.800
σ		0.567	0.685	0.988	911.200	532.200	0.790	0.785	1.023
%RSD		0.600	0.767	0.038	0.542	0.315	1.056	0.496	0.697

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:39	147.600	567.900	570.700	109.000	2.961	3.787	0.000	86.520
2	16:51:22	147.600	573.700	579.300	110.700	2.580	4.190	0.000	88.340
3	16:52:05	147.100	571.700	572.600	108.700	2.029	2.975	0.000	87.060
x		147.400	571.100	574.200	109.500	2.523	3.651	0.000	87.310
σ		0.297	2.969	4.523	1.061	0.469	0.619	0.000	0.936
%RSD		0.201	0.520	0.788	0.970	18.580	16.960	0.000	1.073

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:39	0.000	4.753	4.746	88.824%	0.233	0.157	1.472	1.144
2	16:51:22	0.000	4.806	4.820	86.486%	0.240	0.146	1.415	1.047
3	16:52:05	0.000	4.657	4.920	84.368%	0.234	0.159	1.412	1.159
x		0.000	4.739	4.829	86.559%	0.235	0.154	1.433	1.117
σ		0.000	0.075	0.087	2.229%	0.004	0.007	0.034	0.061
%RSD		0.000	1.592	1.804	2.575	1.778	4.520	2.363	5.444

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:39	95.291%	5.932	0.682	0.692	200.500	200.400	104.358%	102.430%
2	16:51:22	95.333%	6.000	0.662	0.684	199.900	200.000	105.422%	102.936%
3	16:52:05	92.165%	5.959	0.662	0.682	198.400	199.200	102.784%	101.970%
x		94.263%	5.963	0.669	0.686	199.600	199.900	104.188%	102.445%
σ		1.817%	0.034	0.012	0.005	1.082	0.641	1.327%	0.483%
%RSD		1.927	0.569	1.735	0.755	0.542	0.321	1.274	0.472

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:39	1.173	1.206	103.500	102.200	102.800	87.097%
2	16:51:22	1.099	1.130	103.800	102.900	103.400	88.179%
3	16:52:05	1.185	1.162	103.400	102.500	102.900	86.660%
x		1.152	1.166	103.600	102.500	103.000	87.312%
σ		0.047	0.038	0.187	0.375	0.327	0.782%
%RSD		4.035	3.284	0.180	0.366	0.317	0.895

240-18544-X-1-A SD@5 12/27/2012 4:54:14 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:57	93.931%	0.792	4.902	5.324	0.000	69.400	3184.000	3247.000
2	16:55:40	88.468%	0.737	4.830	5.199	0.000	69.710	3222.000	3302.000
3	16:56:23	89.001%	0.775	5.094	5.459	0.000	67.970	3177.000	3316.000
x		90.467%	0.768	4.942	5.327	0.000	69.030	3194.000	3288.000
σ		3.012%	0.028	0.136	0.130	0.000	0.930	24.510	36.310
%RSD		3.329	3.635	2.760	2.445	0.000	1.348	0.767	1.104
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:57	10510.000	289.400	0.000	1865.000	2205.000	2362.000	104.493%	54.140
2	16:55:40	10670.000	294.100	0.000	1865.000	2281.000	2401.000	101.378%	52.970
3	16:56:23	10740.000	292.900	0.000	1862.000	2266.000	2369.000	101.645%	54.160
x		10640.000	292.100	0.000	1864.000	2251.000	2377.000	102.506%	53.760
σ		121.300	2.436	0.000	1.845	40.520	20.700	1.727%	0.677
%RSD		1.139	0.834	0.000	0.099	1.800	0.871	1.685	1.260
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:57	18.790	17.800	517.200	34550.000	33870.000	14.550	31.420	30.120
2	16:55:40	18.450	17.670	522.400	34570.000	34010.000	14.720	31.890	30.100
3	16:56:23	18.750	17.850	522.500	34940.000	33780.000	14.630	32.000	30.060
x		18.660	17.770	520.700	34690.000	33890.000	14.630	31.770	30.090
σ		0.183	0.096	3.025	217.800	116.300	0.086	0.309	0.032
%RSD		0.979	0.539	0.581	0.628	0.343	0.587	0.972	0.106
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:57	29.680	117.200	116.400	21.010	0.230	-0.230	0.000	15.550
2	16:55:40	30.030	119.200	119.400	20.990	-0.092	-0.112	0.000	15.660
3	16:56:23	29.710	118.200	118.800	20.630	-0.100	-0.203	0.000	15.640
x		29.810	118.200	118.200	20.880	0.013	-0.182	0.000	15.620
σ		0.194	0.982	1.567	0.215	0.188	0.062	0.000	0.057
%RSD		0.652	0.830	1.326	1.031	1496.000	34.290	0.000	0.364
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:57	103.945%	0.943	0.951	91.597%	0.049	0.033	0.319	0.273
2	16:55:40	103.572%	0.969	0.926	91.883%	0.049	0.032	0.370	0.274
3	16:56:23	103.296%	0.865	0.942	92.572%	0.049	0.028	0.247	0.223
x		103.604%	0.925	0.940	92.017%	0.049	0.031	0.312	0.257
σ		0.326%	0.054	0.013	0.501%	0.000	0.003	0.062	0.029
%RSD		0.314	5.809	1.360	0.545	0.321	8.175	19.800	11.430
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:57	97.155%	1.022	0.152	0.155	40.690	40.970	101.768%	101.657%
2	16:55:40	98.303%	1.060	0.122	0.160	40.750	41.060	103.771%	103.908%
3	16:56:23	98.145%	1.071	0.127	0.154	40.360	40.490	104.383%	103.889%
x		97.868%	1.051	0.134	0.156	40.600	40.840	103.307%	103.152%
σ		0.622%	0.026	0.016	0.003	0.208	0.307	1.368%	1.294%
%RSD		0.636	2.466	11.910	2.164	0.512	0.752	1.324	1.255
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:54:57	0.244	0.243	20.090	19.830	19.920	95.898%		
2	16:55:40	0.225	0.238	20.220	19.760	19.990	97.699%		
3	16:56:23	0.216	0.237	20.260	19.910	20.050	98.103%		
x		0.228	0.239	20.190	19.830	19.990	97.233%		
σ		0.014	0.003	0.090	0.076	0.067	1.174%		
%RSD		6.125	1.239	0.447	0.386	0.336	1.207		

240-18544-X-1-B DU 12/27/2012 4:58:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:16	84.382%	3.582	20.290	20.280	0.000	277.000	14560.000	15250.000
2	16:59:59	78.886%	3.757	20.620	21.100	0.000	281.300	14860.000	15420.000
3	17:00:43	81.503%	3.561	21.370	21.280	0.000	275.200	14510.000	15270.000
x		81.590%	3.633	20.760	20.880	0.000	277.800	14640.000	15310.000
σ		2.749%	0.108	0.553	0.534	0.000	3.119	187.600	93.210
%RSD		3.370	2.972	2.663	2.559	0.000	1.123	1.281	0.609

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:16	47930.000	1237.000	0.000	8047.000	11090.000	11520.000	97.412%	234.900
2	16:59:59	48650.000	1229.000	0.000	8095.000	11260.000	11690.000	93.163%	238.500
3	17:00:43	48320.000	1251.000	0.000	7914.000	11050.000	11640.000	91.925%	239.600
x		48300.000	1239.000	0.000	8019.000	11140.000	11620.000	94.166%	237.600
σ		361.300	11.150	0.000	93.760	113.100	86.490	2.878%	2.475
%RSD		0.748	0.900	0.000	1.169	1.016	0.744	3.056	1.042

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:16	89.620	82.800	3631.000	176700.000	175600.000	68.270	170.400	149.600
2	16:59:59	88.920	83.300	3696.000	177700.000	178500.000	69.360	170.200	151.700
3	17:00:43	91.930	83.940	3747.000	179100.000	181400.000	69.460	174.200	153.100
x		90.160	83.340	3691.000	177800.000	178500.000	69.030	171.600	151.500
σ		1.578	0.575	58.360	1217.000	2892.000	0.660	2.240	1.801
%RSD		1.750	0.689	1.581	0.684	1.620	0.956	1.305	1.189

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:16	150.200	540.900	545.400	101.400	1.569	2.554	0.000	81.530
2	16:59:59	151.300	548.200	551.700	101.100	1.557	2.707	0.000	82.980
3	17:00:43	152.300	550.300	553.400	103.800	1.620	3.186	0.000	82.520
x		151.300	546.500	550.200	102.100	1.582	2.816	0.000	82.340
σ		1.023	4.918	4.182	1.466	0.033	0.329	0.000	0.744
%RSD		0.676	0.900	0.760	1.436	2.098	11.700	0.000	0.904

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:16	0.000	4.870	5.045	81.492%	0.243	0.146	1.742	1.357
2	16:59:59	0.000	4.998	5.058	78.841%	0.251	0.157	1.731	1.349
3	17:00:43	0.000	5.085	5.036	78.697%	0.255	0.141	1.633	1.369
x		0.000	4.985	5.046	79.677%	0.250	0.148	1.702	1.358
σ		0.000	0.108	0.011	1.574%	0.006	0.008	0.060	0.010
%RSD		0.000	2.174	0.219	1.975	2.558	5.559	3.538	0.742

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:16	87.645%	6.139	0.620	0.599	197.400	197.400	99.035%	97.903%
2	16:59:59	87.587%	6.209	0.590	0.610	196.600	199.400	99.498%	98.060%
3	17:00:43	86.708%	6.247	0.621	0.566	197.100	200.500	98.520%	98.173%
x		87.313%	6.198	0.610	0.592	197.000	199.100	99.018%	98.045%
σ		0.525%	0.055	0.018	0.022	0.410	1.575	0.490%	0.136%
%RSD		0.601	0.890	2.900	3.799	0.208	0.791	0.494	0.138

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:16	1.297	1.237	91.250	89.770	90.780	84.696%
2	16:59:59	1.268	1.287	93.060	92.540	92.720	84.861%
3	17:00:43	1.276	1.275	92.810	90.700	92.320	83.961%
x		1.280	1.266	92.380	91.000	91.940	84.506%
σ		0.015	0.026	0.983	1.410	1.021	0.479%
%RSD		1.162	2.077	1.064	1.549	1.110	0.567

240-18544-X-1-C MS 12/27/2012 5:02:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:36	78.573%	86.760	95.700	97.740	0.000	9357.000	25170.000	26110.000
2	17:04:19	75.631%	88.230	95.270	98.270	0.000	9401.000	25330.000	26310.000
3	17:05:02	76.470%	87.470	97.270	101.500	0.000	9416.000	25110.000	26190.000
x		76.892%	87.490	96.080	99.190	0.000	9391.000	25200.000	26210.000
σ		1.516%	0.734	1.055	2.061	0.000	30.770	114.000	102.800
%RSD		1.971	0.839	1.098	2.078	0.000	0.328	0.452	0.392

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:36	62950.000	2691.000	0.000	16090.000	29420.000	30460.000	91.895%	444.100
2	17:04:19	63130.000	2748.000	0.000	16270.000	30270.000	31140.000	88.360%	457.800
3	17:05:02	62900.000	2692.000	0.000	16130.000	29860.000	30900.000	88.834%	452.600
x		62990.000	2710.000	0.000	16170.000	29850.000	30840.000	89.696%	451.500
σ		117.800	32.300	0.000	94.880	424.400	344.100	1.919%	6.933
%RSD		0.187	1.192	0.000	0.587	1.422	1.116	2.139	1.535

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:36	180.400	164.100	2673.000	186900.000	185800.000	124.100	193.500	167.300
2	17:04:19	183.600	169.300	2787.000	195200.000	193700.000	129.600	201.400	174.200
3	17:05:02	180.100	170.400	2757.000	192600.000	191400.000	127.300	197.100	173.300
x		181.400	167.900	2739.000	191500.000	190300.000	127.000	197.300	171.600
σ		1.965	3.351	59.230	4246.000	4033.000	2.761	3.923	3.731
%RSD		1.084	1.995	2.162	2.217	2.119	2.174	1.988	2.174

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:36	158.600	407.400	389.800	101.900	33.510	28.080	0.000	72.450
2	17:04:19	166.400	432.100	412.400	106.100	34.960	29.780	0.000	75.060
3	17:05:02	165.600	426.300	410.200	105.300	35.190	29.480	0.000	75.390
x		163.600	421.900	404.100	104.400	34.560	29.110	0.000	74.300
σ		4.298	12.900	12.490	2.201	0.914	0.907	0.000	1.610
%RSD		2.628	3.059	3.091	2.108	2.645	3.117	0.000	2.166

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:36	0.000	24.960	21.560	457.446%	38.160	50.380	60.690	79.000
2	17:04:19	0.000	25.620	22.320	454.084%	39.060	51.340	62.200	81.110
3	17:05:02	0.000	25.670	22.290	454.226%	39.080	51.130	61.770	80.590
x		0.000	25.420	22.060	455.252%	38.760	50.950	61.550	80.230
σ		0.000	0.400	0.430	1.902%	0.528	0.505	0.780	1.099
%RSD		0.000	1.572	1.951	0.418	1.361	0.992	1.267	1.370

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:36	82.586%	88.030	27.800	27.980	278.800	278.500	93.231%	91.183%
2	17:04:19	82.374%	90.220	29.050	29.040	283.000	283.400	94.168%	91.810%
3	17:05:02	83.006%	90.420	28.660	28.280	285.400	286.400	94.031%	92.010%
x		82.655%	89.560	28.510	28.430	282.400	282.800	93.810%	91.668%
σ		0.321%	1.328	0.638	0.545	3.319	4.010	0.506%	0.431%
%RSD		0.389	1.483	2.239	1.918	1.175	1.418	0.539	0.471

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:36	90.490	90.360	198.300	200.200	198.900	74.020%
2	17:04:19	92.610	92.980	204.200	207.100	205.600	75.189%
3	17:05:02	93.260	93.980	205.400	207.500	206.500	74.861%
x		92.120	92.440	202.600	204.900	203.700	74.690%
σ		1.451	1.868	3.817	4.110	4.126	0.603%
%RSD		1.575	2.021	1.884	2.005	2.025	0.808

CCV 664806 12/27/2012 5:10:08 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:51	86.283%	97.260	93.010	96.550	0.000	49670.000	48240.000	49450.000
2	17:11:34	84.552%	98.600	93.980	95.490	0.000	49990.000	48000.000	49290.000
3	17:12:17	87.354%	97.810	93.790	96.630	0.000	49540.000	48270.000	49490.000
x		86.063%	97.891%	93.593%	96.223%	0.000	99.467%	96.341%	98.817%
σ		1.414%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.643	0.686	0.550	0.659	0.000	0.463	0.308	0.213

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:51	533.400	5126.000	0.000	47570.000	48130.000	49060.000	99.997%	100.500
2	17:11:34	534.800	5153.000	0.000	48000.000	48260.000	49680.000	98.160%	100.700
3	17:12:17	539.600	5178.000	0.000	47770.000	49190.000	50310.000	99.808%	101.300
x		107.190%	103.048%	0.000	95.557%	97.051%	99.368%	99.322%	100.833%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.010%	n/a
%RSD		0.612	0.498	0.000	0.453	1.189	1.256	1.017	0.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:51	98.270	98.620	504.400	25170.000	24900.000	95.930	97.690	98.160
2	17:11:34	100.500	100.800	514.600	25480.000	25350.000	99.160	100.200	100.100
3	17:12:17	101.100	101.100	511.200	25580.000	25410.000	98.800	99.470	99.130
x		99.967%	100.182%	102.013%	101.641%	100.880%	97.962%	99.120%	99.138%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.496	1.355	1.022	0.838	1.097	1.806	1.307	0.989

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:51	97.690	104.300	102.200	97.310	100.600	102.100	0.000	94.230
2	17:11:34	98.420	104.000	102.400	98.290	103.200	103.600	0.000	95.210
3	17:12:17	98.520	104.600	105.000	98.910	102.200	100.200	0.000	94.020
x		98.212%	104.309%	103.167%	98.170%	101.990%	101.969%	0.000	94.488%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.460	0.253	1.499	0.820	1.261	1.703	0.000	0.670

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:51	90.771%	94.200	95.900	85.799%	96.580	96.840	97.040	98.300
2	17:11:34	92.571%	96.910	98.390	87.142%	97.390	98.170	98.310	97.340
3	17:12:17	95.614%	96.780	98.300	90.348%	96.380	96.360	97.930	97.730
x		92.985%	95.965%	97.528%	87.763%	96.784%	97.123%	97.759%	97.790%
σ		2.448%	n/a	n/a	2.338%	n/a	n/a	n/a	n/a
%RSD		2.632	1.593	1.449	2.663	0.552	0.963	0.666	0.495

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:51	92.309%	93.280	94.530	94.430	93.900	95.340	90.084%	90.181%
2	17:11:34	95.439%	93.620	94.540	95.380	94.930	96.440	92.749%	93.298%
3	17:12:17	97.358%	94.060	95.210	94.620	93.860	95.430	95.565%	95.782%
x		95.035%	93.654%	94.761%	94.809%	94.229%	95.739%	92.799%	93.087%
σ		2.549%	n/a	n/a	n/a	n/a	n/a	2.741%	2.806%
%RSD		2.682	0.417	0.410	0.528	0.646	0.638	2.954	3.015

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:51	98.750	99.170	99.890	99.060	99.580	82.473%
2	17:11:34	100.100	100.200	101.600	100.300	100.500	85.043%
3	17:12:17	99.510	99.770	100.100	99.610	99.570	86.817%
x		99.462%	99.724%	100.550%	99.669%	99.874%	84.778%
σ		n/a	n/a	n/a	n/a	n/a	2.184%
%RSD		0.696	0.531	0.941	0.636	0.520	2.576

CCB2 12/27/2012 5:17:24 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:08	110.509%	0.020	0.508	0.615	0.000	0.994	0.672	0.624
2	17:18:50	104.694%	0.004	0.405	0.517	0.000	0.670	0.679	0.544
x		107.601%	0.012	0.456	0.566	0.000	0.832	0.676	0.584
σ		4.112%	0.011	0.073	0.069	0.000	0.229	0.005	0.056
%RSD		3.821	94.520	15.940	12.180	0.000	27.490	0.746	9.650
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:08	-0.271	-0.815	0.000	-7.097	10.870	12.520	115.329%	-0.048
2	17:18:50	-0.319	-0.692	0.000	-7.967	8.264	12.530	114.224%	-0.057
x		-0.295	-0.753	0.000	-7.532	9.569	12.530	114.777%	-0.052
σ		0.034	0.087	0.000	0.615	1.846	0.013	0.782%	0.007
%RSD		11.470	11.520	0.000	8.166	19.290	0.100	0.681	13.060
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:08	-0.037	-0.062	0.328	2.566	11.390	-0.005	0.016	-0.018
2	17:18:50	-0.039	-0.069	0.289	-7.139	7.379	-0.003	0.019	-0.018
x		-0.038	-0.066	0.308	-2.286	9.382	-0.004	0.017	-0.018
σ		0.002	0.004	0.028	6.862	2.833	0.002	0.002	0.000
%RSD		4.933	6.839	8.929	300.100	30.190	45.110	13.480	0.699
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:08	0.006	-0.318	-0.326	-0.112	-0.041	-0.288	0.000	0.009
2	17:18:50	-0.006	-0.370	-0.293	-0.144	-0.429	-0.535	0.000	0.010
x		0.000	-0.344	-0.310	-0.128	-0.235	-0.411	0.000	0.010
σ		0.009	0.037	0.023	0.023	0.275	0.175	0.000	0.000
%RSD		7320.000	10.740	7.367	17.580	117.000	42.490	0.000	4.158
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:08	95.113%	0.255	0.271	94.202%	0.004	-0.003	0.079	0.043
2	17:18:50	96.796%	0.200	0.213	95.119%	0.004	-0.000	0.008	-0.014
x		95.954%	0.228	0.242	94.660%	0.004	-0.002	0.043	0.015
σ		1.190%	0.038	0.041	0.648%	0.000	0.002	0.050	0.040
%RSD		1.240	16.890	16.800	0.685	1.184	101.200	115.800	276.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:08	96.524%	0.043	0.007	0.020	-0.004	-0.002	99.953%	100.461%
2	17:18:50	100.550%	-0.052	0.018	0.014	-0.005	-0.010	105.258%	105.619%
x		98.537%	-0.004	0.012	0.017	-0.005	-0.006	102.606%	103.040%
σ		2.847%	0.068	0.008	0.004	0.001	0.006	3.752%	3.647%
%RSD		2.889	1557.000	65.960	24.410	19.010	102.800	3.656	3.540
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:18:08	0.012	0.008	0.103	0.083	0.094	100.470%		
2	17:18:50	0.012	0.010	0.070	0.087	0.066	105.777%		
x		0.012	0.009	0.087	0.085	0.080	103.124%		
σ		0.000	0.001	0.023	0.003	0.020	3.753%		
%RSD		1.018	14.490	26.850	3.023	25.180	3.639		

240-18544-X-1-A PDS 12/27/2012 5:26:20 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:03	83.549%	47.730	834.300	866.800	0.000	45050.000	59060.000	60480.000
2	17:27:46	83.120%	47.730	847.300	861.600	0.000	44240.000	56950.000	59570.000
3	17:28:29	82.934%	46.760	811.100	850.400	0.000	44600.000	57930.000	60000.000
x		83.201%	47.410	830.900	859.600	0.000	44630.000	57980.000	60020.000
σ		0.315%	0.561	18.340	8.360	0.000	407.300	1055.000	455.300
%RSD		0.379	1.183	2.207	0.973	0.000	0.913	1.819	0.759

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:03	54950.000	11010.000	0.000	54070.000	57450.000	58520.000	94.332%	1244.000
2	17:27:46	53950.000	10840.000	0.000	52870.000	56580.000	57750.000	94.413%	1251.000
3	17:28:29	53680.000	10830.000	0.000	52590.000	56690.000	58160.000	92.070%	1246.000
x		54190.000	10890.000	0.000	53170.000	56910.000	58140.000	93.605%	1247.000
σ		669.600	102.500	0.000	788.300	474.600	387.900	1.330%	3.704
%RSD		1.235	0.941	0.000	1.483	0.834	0.667	1.421	0.297

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:03	556.500	283.000	3172.000	175900.000	178000.000	518.500	627.100	380.800
2	17:27:46	553.200	283.600	3174.000	176300.000	176100.000	511.700	629.200	382.100
3	17:28:29	582.500	285.800	3172.000	176000.000	176200.000	507.000	628.600	384.000
x		564.100	284.100	3172.000	176000.000	176800.000	512.400	628.300	382.300
σ		16.030	1.423	1.076	200.200	1049.000	5.816	1.064	1.650
%RSD		2.842	0.501	0.034	0.114	0.594	1.135	0.169	0.432

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:03	381.500	1054.000	1055.000	150.700	11.780	12.450	0.000	984.000
2	17:27:46	383.500	1055.000	1061.000	148.700	12.180	13.430	0.000	986.400
3	17:28:29	385.900	1065.000	1077.000	151.400	12.000	13.050	0.000	990.200
x		383.600	1058.000	1064.000	150.300	11.990	12.980	0.000	986.900
σ		2.212	6.101	11.650	1.422	0.204	0.495	0.000	3.166
%RSD		0.577	0.577	1.095	0.946	1.702	3.812	0.000	0.321

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:03	0.000	1010.000	1023.000	75.735%	47.180	46.680	48.250	46.230
2	17:27:46	0.000	1021.000	1034.000	76.621%	47.850	47.160	48.190	47.110
3	17:28:29	0.000	1033.000	1039.000	76.918%	47.880	46.930	48.620	47.640
x		0.000	1021.000	1032.000	76.425%	47.640	46.930	48.350	46.990
σ		0.000	11.370	8.493	0.615%	0.393	0.241	0.231	0.712
%RSD		0.000	1.113	0.823	0.805	0.824	0.515	0.479	1.515

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:03	86.404%	1747.000	444.100	443.900	1887.000	1887.000	96.175%	94.540%
2	17:27:46	88.266%	1737.000	445.700	446.500	1893.000	1892.000	98.968%	97.423%
3	17:28:29	89.289%	1728.000	446.900	443.800	1882.000	1889.000	100.141%	99.183%
x		87.987%	1737.000	445.600	444.700	1887.000	1889.000	98.428%	97.049%
σ		1.463%	9.370	1.428	1.541	5.395	2.410	2.038%	2.344%
%RSD		1.663	0.539	0.320	0.346	0.286	0.128	2.070	2.416

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:03	46.570	46.960	122.500	120.800	121.600	78.658%
2	17:27:46	47.290	47.220	122.900	121.700	122.400	80.741%
3	17:28:29	47.290	47.680	123.600	122.300	123.000	81.419%
x		47.050	47.290	123.000	121.600	122.300	80.273%
σ		0.419	0.363	0.562	0.780	0.675	1.439%
%RSD		0.890	0.768	0.457	0.641	0.552	1.792

240-18449-W-2-A 12/27/2012 5:33:34 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:17	84.869%	5.444	74.350	76.580	0.000	903.300	54230.000	55490.000
2	17:35:00	85.197%	5.176	70.760	71.970	0.000	857.000	52660.000	54660.000
3	17:35:43	86.195%	5.196	70.920	71.790	0.000	864.900	52260.000	53870.000
x		85.421%	5.272	72.010	73.450	0.000	875.100	53050.000	54670.000
σ		0.691%	0.149	2.030	2.719	0.000	24.780	1045.000	809.500
%RSD		0.808	2.827	2.819	3.702	0.000	2.832	1.970	1.481

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:17	104300.000	2831.000	0.000	21290.000	65820.000	68620.000	105.658%	501.300
2	17:35:00	102500.000	2802.000	0.000	21150.000	66080.000	68520.000	104.841%	500.800
3	17:35:43	101900.000	2771.000	0.000	20930.000	66210.000	67650.000	105.232%	498.700
x		102900.000	2802.000	0.000	21120.000	66040.000	68260.000	105.244%	500.300
σ		1261.000	30.080	0.000	180.900	197.500	531.000	0.408%	1.405
%RSD		1.225	1.074	0.000	0.857	0.299	0.778	0.388	0.281

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:17	159.100	148.300	2597.000	239600.000	245100.000	100.000	237.800	158.700
2	17:35:00	158.600	147.200	2574.000	237200.000	242700.000	100.700	237.800	158.400
3	17:35:43	158.200	146.400	2570.000	238100.000	241800.000	99.620	234.000	157.700
x		158.600	147.300	2580.000	238300.000	243200.000	100.100	236.500	158.300
σ		0.451	0.974	14.310	1220.000	1677.000	0.566	2.228	0.509
%RSD		0.284	0.661	0.555	0.512	0.690	0.566	0.942	0.322

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:17	158.800	484.000	486.200	118.500	1.724	2.585	0.000	128.400
2	17:35:00	158.900	484.600	490.200	118.700	1.882	2.431	0.000	129.100
3	17:35:43	159.500	485.200	487.400	119.100	1.757	2.718	0.000	129.300
x		159.100	484.600	487.900	118.800	1.788	2.578	0.000	129.000
σ		0.398	0.610	2.052	0.291	0.084	0.144	0.000	0.475
%RSD		0.250	0.126	0.421	0.245	4.681	5.569	0.000	0.368

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:17	0.000	8.150	8.271	83.788%	0.316	0.227	1.336	0.898
2	17:35:00	0.000	7.530	7.786	84.256%	0.312	0.226	1.489	1.039
3	17:35:43	0.000	7.511	7.492	84.508%	0.338	0.224	1.332	0.933
x		0.000	7.731	7.850	84.184%	0.322	0.226	1.386	0.957
σ		0.000	0.364	0.393	0.365%	0.014	0.002	0.089	0.074
%RSD		0.000	4.705	5.010	0.434	4.273	0.761	6.456	7.704

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:17	90.014%	12.790	1.229	1.192	244.000	245.500	97.824%	94.753%
2	17:35:00	92.256%	10.990	0.963	0.976	245.300	245.500	99.928%	97.600%
3	17:35:43	92.437%	10.220	0.825	0.904	245.300	245.800	100.949%	98.250%
x		91.569%	11.330	1.006	1.024	244.800	245.600	99.567%	96.867%
σ		1.350%	1.322	0.205	0.150	0.750	0.144	1.593%	1.860%
%RSD		1.474	11.660	20.410	14.630	0.306	0.059	1.600	1.920

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:17	1.344	1.327	99.690	97.890	98.750	79.002%
2	17:35:00	1.354	1.362	101.000	98.740	99.630	80.862%
3	17:35:43	1.356	1.350	100.400	98.520	99.220	81.779%
x		1.351	1.346	100.400	98.380	99.200	80.548%
σ		0.006	0.018	0.668	0.438	0.439	1.415%
%RSD		0.480	1.310	0.666	0.445	0.442	1.757

240-18449-W-2-A SD@5 12/27/2012 5:37:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	94.292%	1.022	16.390	17.360	0.000	173.100	10380.000	10820.000
2	17:39:16	88.812%	1.184	17.240	17.240	0.000	178.900	10640.000	11080.000
3	17:40:00	92.758%	1.054	16.420	16.420	0.000	173.800	10420.000	10850.000
x		91.954%	1.087	16.680	17.000	0.000	175.300	10480.000	10920.000
σ		2.827%	0.085	0.482	0.513	0.000	3.182	139.200	142.200
%RSD		3.075	7.865	2.892	3.017	0.000	1.816	1.329	1.302

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	20730.000	604.100	0.000	4233.000	13530.000	13930.000	111.035%	100.900
2	17:39:16	21160.000	610.600	0.000	4237.000	13170.000	13820.000	108.547%	99.130
3	17:40:00	20900.000	604.900	0.000	4185.000	13110.000	14030.000	108.678%	97.690
x		20930.000	606.500	0.000	4218.000	13270.000	13930.000	109.420%	99.230
σ		220.300	3.531	0.000	29.020	228.000	106.900	1.401%	1.587
%RSD		1.053	0.582	0.000	0.688	1.718	0.767	1.280	1.599

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	30.720	29.000	514.000	49490.000	48590.000	19.530	47.620	32.780
2	17:39:16	31.270	29.200	511.800	49010.000	48050.000	19.740	47.320	32.210
3	17:40:00	31.090	29.040	514.900	49400.000	48340.000	19.250	46.800	31.900
x		31.030	29.080	513.500	49300.000	48330.000	19.510	47.250	32.300
σ		0.281	0.109	1.583	256.600	273.300	0.244	0.414	0.449
%RSD		0.906	0.376	0.308	0.520	0.566	1.250	0.876	1.389

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	32.170	104.100	105.500	24.010	-0.038	-0.224	0.000	22.180
2	17:39:16	31.930	103.800	103.500	23.750	-0.041	-0.039	0.000	22.260
3	17:40:00	32.040	104.900	104.000	24.140	-0.108	-0.293	0.000	22.190
x		32.050	104.300	104.300	23.970	-0.062	-0.185	0.000	22.210
σ		0.120	0.569	1.050	0.197	0.040	0.131	0.000	0.044
%RSD		0.376	0.546	1.007	0.823	64.180	70.800	0.000	0.197

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	108.863%	3.246	3.198	95.743%	0.055	0.038	0.274	0.174
2	17:39:16	110.120%	3.105	3.293	95.417%	0.052	0.035	0.197	0.129
3	17:40:00	110.066%	3.322	3.275	95.732%	0.069	0.032	0.295	0.235
x		109.683%	3.224	3.255	95.631%	0.059	0.035	0.255	0.179
σ		0.711%	0.110	0.051	0.185%	0.009	0.003	0.052	0.053
%RSD		0.648	3.417	1.558	0.194	15.640	9.630	20.350	29.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	99.870%	1.705	0.175	0.198	49.480	49.160	104.035%	104.399%
2	17:39:16	101.370%	1.667	0.199	0.180	48.690	48.980	106.177%	106.196%
3	17:40:00	102.078%	1.625	0.202	0.189	48.730	48.690	106.830%	106.540%
x		101.106%	1.666	0.192	0.189	48.960	48.940	105.680%	105.711%
σ		1.127%	0.040	0.015	0.009	0.444	0.237	1.462%	1.150%
%RSD		1.115	2.410	7.741	4.565	0.907	0.483	1.384	1.087

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:33	0.259	0.260	19.620	19.200	19.310	92.502%
2	17:39:16	0.257	0.253	19.750	19.480	19.490	94.140%
3	17:40:00	0.273	0.277	19.610	19.310	19.360	94.551%
x		0.263	0.263	19.660	19.330	19.380	93.731%
σ		0.009	0.012	0.076	0.141	0.091	1.084%
%RSD		3.325	4.733	0.386	0.729	0.469	1.157

240-18449-W-2-B DU 12/27/2012 5:42:08 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	85.225%	4.908	44.910	47.150	0.000	786.100	50190.000	52260.000
2	17:43:33	81.518%	4.953	45.880	47.250	0.000	790.300	51150.000	53910.000
3	17:44:16	82.969%	4.821	48.320	47.820	0.000	796.100	51440.000	52930.000
x		83.238%	4.894	46.370	47.400	0.000	790.800	50930.000	53030.000
σ		1.868%	0.067	1.756	0.365	0.000	4.995	656.900	830.500
%RSD		2.244	1.367	3.786	0.770	0.000	0.632	1.290	1.566

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	91900.000	1376.000	0.000	16620.000	57630.000	59470.000	103.691%	404.600
2	17:43:33	95730.000	1417.000	0.000	16780.000	57860.000	60510.000	100.577%	410.100
3	17:44:16	94170.000	1488.000	0.000	16770.000	58650.000	60790.000	102.111%	408.600
x		93930.000	1427.000	0.000	16730.000	58050.000	60260.000	102.126%	407.800
σ		1927.000	56.730	0.000	92.030	535.000	695.500	1.557%	2.851
%RSD		2.052	3.975	0.000	0.550	0.922	1.154	1.524	0.699

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	133.400	134.700	2387.000	224400.000	229600.000	91.380	223.300	149.100
2	17:43:33	136.800	138.000	2443.000	229200.000	232300.000	93.430	226.800	151.100
3	17:44:16	135.000	135.500	2430.000	228900.000	233400.000	93.610	226.100	150.500
x		135.100	136.100	2420.000	227500.000	231700.000	92.800	225.400	150.200
σ		1.734	1.751	29.410	2726.000	1967.000	1.236	1.845	1.027
%RSD		1.284	1.287	1.215	1.198	0.849	1.332	0.819	0.684

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	148.000	510.600	514.200	124.900	1.654	1.520	0.000	106.900
2	17:43:33	151.300	525.500	529.500	130.700	1.563	2.170	0.000	108.800
3	17:44:16	150.400	517.200	524.500	127.400	1.554	2.308	0.000	109.400
x		149.900	517.800	522.700	127.700	1.590	1.999	0.000	108.400
σ		1.729	7.441	7.812	2.888	0.055	0.421	0.000	1.317
%RSD		1.154	1.437	1.494	2.262	3.480	21.040	0.000	1.215

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	0.000	5.801	6.066	83.879%	0.312	0.208	1.162	0.779
2	17:43:33	0.000	5.947	6.194	84.456%	0.288	0.185	1.142	0.811
3	17:44:16	0.000	5.745	5.976	85.194%	0.289	0.195	1.433	0.991
x		0.000	5.831	6.078	84.510%	0.296	0.196	1.246	0.860
σ		0.000	0.105	0.110	0.659%	0.014	0.012	0.162	0.114
%RSD		0.000	1.792	1.801	0.780	4.646	5.883	13.020	13.250

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	90.668%	7.401	0.499	0.567	211.100	211.500	96.946%	96.050%
2	17:43:33	91.421%	7.402	0.542	0.521	216.100	217.000	98.821%	97.429%
3	17:44:16	92.634%	7.258	0.517	0.515	213.600	214.600	100.356%	98.820%
x		91.574%	7.353	0.520	0.534	213.600	214.400	98.708%	97.433%
σ		0.992%	0.083	0.022	0.029	2.497	2.783	1.707%	1.385%
%RSD		1.083	1.123	4.204	5.337	1.169	1.298	1.730	1.422

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	1.037	1.089	87.830	86.520	86.880	83.216%
2	17:43:33	1.122	1.130	90.390	89.050	89.620	84.167%
3	17:44:16	1.164	1.112	90.550	89.020	89.460	84.811%
x		1.108	1.110	89.590	88.200	88.650	84.065%
σ		0.065	0.020	1.528	1.453	1.538	0.802%
%RSD		5.870	1.819	1.705	1.648	1.735	0.954

240-18449-W-2-C MS 12/27/2012 5:46:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:08	86.065%	79.980	103.500	107.300	0.000	9015.000	57890.000	60220.000
2	17:47:51	84.279%	82.050	107.400	110.200	0.000	9133.000	58940.000	61690.000
3	17:48:34	86.327%	81.430	105.300	110.900	0.000	9154.000	58510.000	61650.000
x		85.557%	81.150	105.400	109.500	0.000	9101.000	58440.000	61190.000
σ		1.114%	1.063	1.947	1.912	0.000	74.920	529.100	836.500
%RSD		1.303	1.309	1.847	1.746	0.000	0.823	0.905	1.367
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:08	93940.000	3295.000	0.000	21290.000	64480.000	66890.000	104.212%	611.300
2	17:47:51	96340.000	3369.000	0.000	21910.000	66310.000	69200.000	99.934%	629.500
3	17:48:34	95550.000	3315.000	0.000	21650.000	65580.000	68560.000	103.382%	627.500
x		95280.000	3326.000	0.000	21620.000	65460.000	68210.000	102.509%	622.800
σ		1222.000	38.210	0.000	312.800	924.400	1192.000	2.269%	9.959
%RSD		1.283	1.149	0.000	1.447	1.412	1.748	2.213	1.599
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:08	216.200	216.700	2554.000	238600.000	241900.000	181.000	311.800	241.100
2	17:47:51	221.900	224.200	2644.000	243600.000	250100.000	186.000	318.900	247.300
3	17:48:34	220.400	219.300	2578.000	240200.000	243600.000	183.800	315.200	243.400
x		219.500	220.100	2592.000	240800.000	245200.000	183.600	315.300	244.000
σ		2.955	3.773	46.810	2545.000	4347.000	2.503	3.561	3.131
%RSD		1.346	1.714	1.806	1.057	1.773	1.363	1.129	1.283
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:08	241.200	515.000	518.000	180.200	67.420	69.710	0.000	194.400
2	17:47:51	246.300	530.300	534.700	184.200	69.320	70.770	0.000	197.600
3	17:48:34	243.700	517.400	522.400	183.700	68.210	71.840	0.000	196.000
x		243.800	520.900	525.000	182.700	68.320	70.770	0.000	196.000
σ		2.526	8.247	8.641	2.161	0.955	1.065	0.000	1.596
%RSD		1.036	1.583	1.646	1.183	1.398	1.506	0.000	0.814
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:08	0.000	93.190	93.410	82.875%	84.600	84.490	83.420	82.820
2	17:47:51	0.000	94.090	95.000	83.209%	85.540	85.580	83.270	82.240
3	17:48:34	0.000	94.810	95.410	82.876%	86.370	85.420	84.090	83.050
x		0.000	94.030	94.610	82.987%	85.500	85.170	83.590	82.700
σ		0.000	0.812	1.056	0.192%	0.889	0.589	0.438	0.416
%RSD		0.000	0.863	1.116	0.232	1.040	0.691	0.524	0.504
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:08	89.872%	85.920	23.510	23.180	275.200	273.700	97.412%	95.392%
2	17:47:51	91.300%	85.850	23.800	23.700	277.400	278.300	98.307%	96.674%
3	17:48:34	90.227%	86.960	23.700	23.800	278.400	280.900	99.137%	97.142%
x		90.466%	86.240	23.670	23.560	277.000	277.600	98.286%	96.403%
σ		0.743%	0.619	0.148	0.334	1.645	3.636	0.863%	0.906%
%RSD		0.822	0.718	0.626	1.419	0.594	1.309	0.878	0.940
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:47:08	85.100	85.830	252.700	255.500	254.500	78.951%		
2	17:47:51	87.830	88.250	260.700	261.800	260.500	79.280%		
3	17:48:34	88.240	88.610	259.700	260.300	260.300	79.033%		
x		87.060	87.560	257.700	259.200	258.400	79.088%		
σ		1.709	1.511	4.351	3.289	3.408	0.171%		
%RSD		1.963	1.725	1.688	1.269	1.319	0.216		

240-18449-W-2-A PDS 12/27/2012 5:50:43 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:26	78.542%	47.800	884.100	914.600	0.000	48310.000	96550.000	99280.000
2	17:52:09	75.876%	48.680	903.800	934.700	0.000	47520.000	95660.000	100500.000
3	17:52:52	73.791%	48.810	916.500	925.700	0.000	46370.000	95010.000	100800.000
x		76.070%	48.430	901.500	925.000	0.000	47400.000	95740.000	100200.000
σ		2.381%	0.548	16.300	10.070	0.000	976.300	769.700	788.600
%RSD		3.131	1.132	1.808	1.089	0.000	2.060	0.804	0.787

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:26	102600.000	12220.000	0.000	66610.000	113600.000	118700.000	89.711%	1467.000
2	17:52:09	102900.000	12080.000	0.000	65160.000	111900.000	116100.000	89.339%	1449.000
3	17:52:52	103400.000	12190.000	0.000	64700.000	111500.000	115900.000	86.645%	1442.000
x		103000.000	12160.000	0.000	65490.000	112400.000	116900.000	88.565%	1453.000
σ		409.300	75.960	0.000	996.500	1111.000	1589.000	1.673%	13.110
%RSD		0.397	0.625	0.000	1.522	0.989	1.359	1.889	0.903

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:26	632.900	347.600	3142.000	244900.000	249300.000	544.700	709.300	393.400
2	17:52:09	627.000	344.600	3115.000	243600.000	247000.000	546.300	706.500	391.500
3	17:52:52	622.100	338.900	3127.000	244000.000	248300.000	547.500	707.300	392.300
x		627.300	343.700	3128.000	244200.000	248200.000	546.200	707.700	392.400
σ		5.453	4.432	13.540	659.800	1163.000	1.410	1.466	0.960
%RSD		0.869	1.289	0.433	0.270	0.469	0.258	0.207	0.245

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:26	395.100	939.700	940.600	155.400	11.290	11.040	0.000	1056.000
2	17:52:09	391.900	940.200	942.800	156.300	11.050	11.540	0.000	1092.000
3	17:52:52	392.300	950.500	952.800	155.400	10.800	10.820	0.000	1080.000
x		393.100	943.500	945.400	155.700	11.050	11.130	0.000	1076.000
σ		1.733	6.121	6.532	0.503	0.243	0.365	0.000	18.400
%RSD		0.441	0.649	0.691	0.323	2.199	3.280	0.000	1.711

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:26	0.000	997.800	1019.000	73.612%	47.340	46.570	46.190	44.790
2	17:52:09	0.000	1025.000	1039.000	72.948%	48.070	47.390	47.220	46.640
3	17:52:52	0.000	1031.000	1045.000	72.295%	47.960	46.980	47.370	46.400
x		0.000	1018.000	1034.000	72.951%	47.790	46.980	46.930	45.940
σ		0.000	17.670	13.900	0.659%	0.392	0.411	0.642	1.005
%RSD		0.000	1.736	1.344	0.903	0.821	0.876	1.369	2.188

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:26	85.171%	1687.000	419.400	419.900	1960.000	1972.000	94.470%	92.660%
2	17:52:09	85.532%	1709.000	422.400	422.400	2014.000	2024.000	94.710%	93.324%
3	17:52:52	84.890%	1716.000	429.300	430.400	2010.000	2014.000	94.729%	94.252%
x		85.198%	1704.000	423.700	424.200	1995.000	2004.000	94.636%	93.412%
σ		0.322%	14.870	5.090	5.511	29.690	27.650	0.145%	0.800%
%RSD		0.378	0.873	1.201	1.299	1.489	1.380	0.153	0.856

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:26	49.380	49.540	115.300	114.500	114.900	75.888%
2	17:52:09	51.260	51.670	119.400	118.200	118.800	76.055%
3	17:52:52	50.660	50.890	117.700	116.600	117.000	77.343%
x		50.430	50.700	117.500	116.400	116.900	76.429%
σ		0.959	1.081	2.065	1.881	1.924	0.796%
%RSD		1.902	2.133	1.758	1.616	1.646	1.042

240-18449-I-7-A 12/27/2012 6:01:06 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:49	81.757%	5.958	49.260	49.750	0.000	693.200	46200.000	48100.000
2	18:02:32	78.882%	5.719	48.390	49.060	0.000	686.900	45850.000	47870.000
3	18:03:16	78.107%	5.833	47.290	49.730	0.000	670.800	45710.000	47250.000
x		79.582%	5.836	48.310	49.510	0.000	683.600	45920.000	47740.000
σ		1.923%	0.119	0.988	0.395	0.000	11.540	252.800	436.800
%RSD		2.416	2.046	2.045	0.797	0.000	1.689	0.550	0.915

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:49	112700.000	1584.000	0.000	18520.000	30350.000	31790.000	95.907%	394.400
2	18:02:32	112300.000	1568.000	0.000	18120.000	29650.000	31150.000	94.938%	378.500
3	18:03:16	109800.000	1479.000	0.000	17850.000	29760.000	31110.000	90.916%	376.800
x		111600.000	1544.000	0.000	18160.000	29920.000	31350.000	93.920%	383.200
σ		1590.000	56.620	0.000	335.400	375.700	377.900	2.646%	9.736
%RSD		1.425	3.668	0.000	1.847	1.256	1.205	2.818	2.541

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:49	158.300	167.400	2215.000	272500.000	279800.000	111.200	275.500	167.700
2	18:02:32	156.100	163.500	2157.000	267800.000	274500.000	109.300	270.500	166.600
3	18:03:16	152.600	164.600	2188.000	270600.000	274900.000	109.800	270.400	165.200
x		155.700	165.200	2186.000	270300.000	276400.000	110.100	272.100	166.500
σ		2.892	1.998	28.670	2358.000	2962.000	0.991	2.881	1.282
%RSD		1.858	1.210	1.311	0.873	1.072	0.900	1.059	0.770

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:49	166.900	610.500	613.400	139.400	1.869	2.778	0.000	100.400
2	18:02:32	167.400	605.700	611.700	138.500	1.616	2.249	0.000	100.800
3	18:03:16	166.200	611.300	615.900	138.400	1.793	2.462	0.000	101.500
x		166.900	609.200	613.700	138.800	1.759	2.496	0.000	100.900
σ		0.602	3.035	2.100	0.572	0.130	0.266	0.000	0.535
%RSD		0.361	0.498	0.342	0.412	7.379	10.660	0.000	0.530

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:49	0.000	8.710	8.853	79.574%	0.321	0.201	1.575	1.119
2	18:02:32	0.000	8.403	8.505	78.775%	0.294	0.196	1.523	1.056
3	18:03:16	0.000	8.207	8.445	76.277%	0.304	0.208	1.665	1.167
x		0.000	8.440	8.601	78.209%	0.306	0.202	1.588	1.114
σ		0.000	0.253	0.220	1.720%	0.014	0.006	0.072	0.056
%RSD		0.000	3.001	2.562	2.200	4.427	2.962	4.509	5.033

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:49	88.122%	11.830	1.053	1.175	361.500	361.600	95.692%	93.974%
2	18:02:32	89.110%	10.330	0.870	0.944	356.300	357.500	98.087%	95.976%
3	18:03:16	86.924%	9.686	0.860	0.873	354.300	357.400	96.149%	94.474%
x		88.052%	10.610	0.928	0.997	357.300	358.800	96.643%	94.808%
σ		1.095%	1.098	0.109	0.158	3.735	2.431	1.272%	1.042%
%RSD		1.244	10.350	11.720	15.810	1.045	0.678	1.316	1.099

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:49	1.323	1.215	100.900	98.550	99.820	81.550%
2	18:02:32	1.280	1.261	101.400	99.490	100.400	82.951%
3	18:03:16	1.302	1.271	101.600	100.000	100.900	81.872%
x		1.302	1.249	101.300	99.360	100.400	82.124%
σ		0.021	0.030	0.399	0.757	0.533	0.734%
%RSD		1.620	2.413	0.394	0.762	0.531	0.893

240-18449-I-8-A 12/27/2012 6:05:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:08	79.456%	4.404	38.340	38.350	0.000	894.000	60570.000	63020.000
2	18:06:51	76.542%	4.701	37.820	38.810	0.000	898.300	61320.000	63890.000
3	18:07:34	77.906%	4.407	37.260	38.370	0.000	868.400	59370.000	62750.000
x		77.968%	4.504	37.810	38.510	0.000	886.900	60420.000	63220.000
σ		1.458%	0.170	0.540	0.257	0.000	16.200	982.100	595.400
%RSD		1.870	3.783	1.429	0.668	0.000	1.826	1.625	0.942

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:08	95500.000	1311.000	0.000	14430.000	68730.000	71380.000	93.156%	552.600
2	18:06:51	96190.000	1327.000	0.000	14390.000	68570.000	72050.000	91.671%	559.900
3	18:07:34	95430.000	1275.000	0.000	14240.000	68210.000	71350.000	91.738%	553.700
x		95710.000	1304.000	0.000	14360.000	68500.000	71590.000	92.188%	555.400
σ		416.900	26.510	0.000	99.000	266.500	400.300	0.839%	3.947
%RSD		0.436	2.032	0.000	0.690	0.389	0.559	0.910	0.711

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:08	130.700	144.600	3483.000	274500.000	280300.000	105.700	253.800	181.800
2	18:06:51	132.200	145.000	3516.000	275600.000	284300.000	106.700	258.900	182.700
3	18:07:34	131.900	144.600	3521.000	275100.000	280600.000	106.900	254.300	183.200
x		131.600	144.700	3506.000	275100.000	281800.000	106.400	255.700	182.600
σ		0.792	0.219	20.670	577.800	2241.000	0.646	2.852	0.720
%RSD		0.602	0.151	0.590	0.210	0.795	0.607	1.116	0.394

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:08	180.200	617.900	624.900	175.600	2.165	2.863	0.000	127.200
2	18:06:51	184.100	626.000	629.300	179.700	2.238	2.796	0.000	130.100
3	18:07:34	180.600	619.000	625.700	178.900	1.958	2.591	0.000	128.900
x		181.600	621.000	626.600	178.100	2.120	2.750	0.000	128.700
σ		2.157	4.364	2.332	2.188	0.145	0.142	0.000	1.436
%RSD		1.188	0.703	0.372	1.229	6.858	5.154	0.000	1.115

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:08	0.000	7.707	7.512	78.818%	0.291	0.232	1.368	0.939
2	18:06:51	0.000	7.774	7.858	79.211%	0.307	0.217	1.146	0.806
3	18:07:34	0.000	7.637	7.960	79.401%	0.310	0.229	1.241	0.887
x		0.000	7.706	7.777	79.143%	0.303	0.226	1.252	0.877
σ		0.000	0.069	0.235	0.297%	0.010	0.007	0.111	0.067
%RSD		0.000	0.889	3.025	0.376	3.256	3.305	8.870	7.676

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:08	89.142%	7.993	0.564	0.547	175.200	174.900	95.485%	93.901%
2	18:06:51	90.299%	8.142	0.560	0.572	177.600	177.000	97.408%	96.241%
3	18:07:34	90.170%	7.930	0.501	0.524	175.000	177.700	97.734%	96.187%
x		89.870%	8.022	0.542	0.548	175.900	176.500	96.876%	95.443%
σ		0.634%	0.109	0.035	0.024	1.443	1.463	1.216%	1.336%
%RSD		0.706	1.354	6.508	4.363	0.821	0.829	1.255	1.399

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:08	1.225	1.217	96.060	95.450	95.360	83.864%
2	18:06:51	1.238	1.278	98.220	97.380	97.430	84.962%
3	18:07:34	1.333	1.291	98.060	96.650	97.040	85.250%
x		1.266	1.262	97.450	96.490	96.610	84.692%
σ		0.059	0.040	1.205	0.978	1.100	0.731%
%RSD		4.653	3.164	1.237	1.014	1.139	0.863

240-18449-I-10-A 12/27/2012 6:09:44 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:27	78.070%	6.009	35.930	38.000	0.000	449.400	33250.000	34730.000
2	18:11:10	71.949%	6.147	36.560	38.530	0.000	468.900	33750.000	35140.000
3	18:11:53	74.834%	6.142	37.220	38.360	0.000	441.900	32520.000	34140.000
x		74.951%	6.099	36.570	38.300	0.000	453.400	33170.000	34670.000
σ		3.062%	0.079	0.642	0.274	0.000	13.970	621.300	498.400
%RSD		4.085	1.288	1.756	0.715	0.000	3.081	1.873	1.438
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:27	102900.000	1409.000	0.000	12580.000	19690.000	20360.000	89.581%	399.300
2	18:11:10	103800.000	1475.000	0.000	12570.000	20130.000	21030.000	82.564%	396.100
3	18:11:53	101800.000	1394.000	0.000	12420.000	19800.000	20790.000	81.767%	400.600
x		102800.000	1426.000	0.000	12520.000	19870.000	20730.000	84.637%	398.700
σ		1007.000	42.820	0.000	91.160	232.400	337.500	4.300%	2.297
%RSD		0.980	3.003	0.000	0.728	1.169	1.628	5.081	0.576
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:27	153.800	155.300	5385.000	246900.000	252300.000	137.900	380.600	182.400
2	18:11:10	152.100	154.300	5493.000	250800.000	253000.000	137.600	380.800	184.000
3	18:11:53	153.500	157.400	5568.000	254600.000	255600.000	139.500	383.000	182.600
x		153.100	155.700	5482.000	250800.000	253600.000	138.300	381.400	183.000
σ		0.885	1.554	92.110	3866.000	1718.000	1.026	1.328	0.850
%RSD		0.578	0.999	1.680	1.542	0.677	0.742	0.348	0.465
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:27	181.700	564.100	567.500	113.900	1.461	2.420	0.000	104.100
2	18:11:10	180.900	567.500	571.200	114.700	1.362	2.295	0.000	105.100
3	18:11:53	184.300	574.800	583.300	115.400	1.433	2.550	0.000	106.500
x		182.300	568.800	574.000	114.700	1.419	2.422	0.000	105.200
σ		1.769	5.440	8.282	0.770	0.051	0.127	0.000	1.232
%RSD		0.971	0.956	1.443	0.671	3.605	5.251	0.000	1.170
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:27	0.000	8.129	8.163	73.560%	0.217	0.123	2.538	2.010
2	18:11:10	0.000	8.018	8.334	70.538%	0.260	0.100	2.392	1.841
3	18:11:53	0.000	7.944	8.072	69.535%	0.237	0.117	2.340	1.915
x		0.000	8.030	8.190	71.211%	0.238	0.113	2.423	1.922
σ		0.000	0.093	0.133	2.095%	0.022	0.012	0.103	0.085
%RSD		0.000	1.162	1.624	2.943	9.055	10.470	4.241	4.407
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:27	82.299%	7.282	0.708	0.710	688.600	688.400	91.913%	90.978%
2	18:11:10	79.911%	7.253	0.746	0.676	683.600	690.500	91.043%	90.262%
3	18:11:53	79.247%	7.134	0.668	0.665	685.600	687.500	90.515%	89.969%
x		80.486%	7.223	0.707	0.684	686.000	688.800	91.157%	90.403%
σ		1.605%	0.078	0.039	0.023	2.535	1.523	0.706%	0.519%
%RSD		1.994	1.080	5.465	3.401	0.370	0.221	0.774	0.574
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:10:27	1.412	1.416	105.200	103.200	104.400	78.755%		
2	18:11:10	1.469	1.392	106.200	105.400	105.900	78.365%		
3	18:11:53	1.416	1.419	107.000	105.700	106.100	77.539%		
x		1.432	1.409	106.100	104.800	105.500	78.219%		
σ		0.032	0.015	0.876	1.322	0.936	0.621%		
%RSD		2.215	1.073	0.826	1.262	0.887	0.794		

240-18449-I-11-A 12/27/2012 6:14:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:46	77.664%	6.515	71.530	75.260	0.000	853.000	63320.000	66590.000
2	18:15:29	73.499%	6.669	72.720	76.600	0.000	877.500	66320.000	69500.000
3	18:16:12	74.158%	6.614	73.570	76.860	0.000	873.500	65370.000	69280.000
x		75.107%	6.599	72.610	76.240	0.000	868.000	65000.000	68460.000
σ		2.239%	0.078	1.022	0.858	0.000	13.130	1535.000	1618.000
%RSD		2.981	1.183	1.408	1.126	0.000	1.513	2.362	2.364
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:46	125600.000	1536.000	0.000	24010.000	190700.000	197500.000	90.793%	604.600
2	18:15:29	128700.000	1576.000	0.000	23990.000	192600.000	201400.000	88.384%	621.600
3	18:16:12	129300.000	1465.000	0.000	24370.000	193500.000	201100.000	88.630%	619.900
x		127900.000	1526.000	0.000	24120.000	192300.000	200000.000	89.269%	615.400
σ		2003.000	56.260	0.000	214.200	1460.000	2200.000	1.326%	9.385
%RSD		1.567	3.687	0.000	0.888	0.759	1.100	1.485	1.525
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:46	195.400	185.700	2892.000	259100.000	265900.000	129.000	267.500	169.300
2	18:15:29	199.900	189.000	2961.000	265200.000	270300.000	130.900	273.700	175.500
3	18:16:12	199.900	191.800	2984.000	266900.000	270900.000	132.100	278.300	176.100
x		198.400	188.800	2945.000	263700.000	269000.000	130.600	273.200	173.600
σ		2.584	3.097	47.560	4080.000	2689.000	1.577	5.403	3.772
%RSD		1.302	1.640	1.615	1.547	0.999	1.207	1.978	2.172
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:46	169.600	568.900	573.800	110.100	3.746	3.925	0.000	321.000
2	18:15:29	176.400	593.000	596.200	114.600	3.831	4.636	0.000	336.700
3	18:16:12	176.800	594.600	598.800	114.900	4.112	4.613	0.000	335.800
x		174.300	585.500	589.600	113.200	3.896	4.391	0.000	331.200
σ		4.051	14.400	13.750	2.689	0.192	0.404	0.000	8.811
%RSD		2.325	2.459	2.332	2.376	4.919	9.203	0.000	2.660
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:46	0.000	8.905	8.913	74.385%	0.422	0.252	2.131	1.549
2	18:15:29	0.000	9.236	9.567	74.171%	0.421	0.267	1.974	1.402
3	18:16:12	0.000	9.593	9.393	74.892%	0.430	0.285	1.965	1.423
x		0.000	9.245	9.291	74.483%	0.424	0.268	2.023	1.458
σ		0.000	0.344	0.339	0.370%	0.005	0.017	0.094	0.079
%RSD		0.000	3.719	3.648	0.497	1.275	6.177	4.623	5.446
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:46	85.333%	7.535	0.722	0.681	464.600	465.900	93.869%	91.901%
2	18:15:29	86.561%	7.799	0.704	0.721	483.700	483.400	95.154%	93.664%
3	18:16:12	87.361%	7.593	0.710	0.671	479.400	477.400	96.186%	94.570%
x		86.418%	7.642	0.712	0.691	475.900	475.500	95.070%	93.378%
σ		1.022%	0.139	0.009	0.026	9.992	8.877	1.161%	1.357%
%RSD		1.183	1.821	1.274	3.824	2.100	1.867	1.221	1.454
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:14:46	1.377	1.420	112.000	109.100	110.800	78.347%		
2	18:15:29	1.424	1.428	115.300	113.100	113.900	80.484%		
3	18:16:12	1.451	1.428	114.800	112.700	113.800	81.125%		
x		1.417	1.425	114.000	111.600	112.800	79.986%		
σ		0.038	0.005	1.787	2.165	1.741	1.455%		
%RSD		2.663	0.350	1.567	1.940	1.543	1.819		

CCV 664806 12/27/2012 6:21:18 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:01	86.655%	99.440	94.560	97.210	0.000	48530.000	47820.000	48510.000
2	18:22:44	80.310%	99.730	94.570	96.770	0.000	49160.000	47890.000	49160.000
3	18:23:27	82.070%	97.720	93.990	96.530	0.000	49030.000	47160.000	48370.000
x		83.012%	98.964%	94.374%	96.834%	0.000	97.813%	95.246%	97.362%
σ		3.276%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.946	1.101	0.350	0.356	0.000	0.672	0.853	0.861

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:01	515.700	5096.000	0.000	47390.000	46740.000	48750.000	104.035%	96.440
2	18:22:44	521.300	5150.000	0.000	47330.000	47870.000	49990.000	97.741%	99.100
3	18:23:27	512.500	4977.000	0.000	46070.000	46430.000	48430.000	100.770%	95.780
x		103.299%	101.491%	0.000	93.856%	94.025%	98.112%	100.848%	97.104%
σ		n/a	n/a	0.000	n/a	n/a	n/a	3.148%	n/a
%RSD		0.857	1.747	0.000	1.585	1.622	1.681	3.121	1.811

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:01	96.120	96.380	500.700	25220.000	25010.000	95.860	96.490	96.770
2	18:22:44	96.390	97.570	507.700	25400.000	25240.000	96.080	98.660	98.350
3	18:23:27	95.390	96.060	500.100	25120.000	24960.000	94.740	96.520	97.570
x		95.969%	96.670%	100.571%	100.984%	100.285%	95.560%	97.225%	97.561%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.538	0.822	0.842	0.575	0.591	0.748	1.279	0.809

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:01	96.960	101.100	101.600	97.600	100.400	102.400	0.000	94.620
2	18:22:44	98.300	104.400	104.400	97.810	101.700	101.100	0.000	94.520
3	18:23:27	96.450	101.700	102.200	97.570	100.300	100.500	0.000	93.890
x		97.240%	102.423%	102.733%	97.659%	100.827%	101.359%	0.000	94.345%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.981	1.707	1.453	0.131	0.792	0.948	0.000	0.419

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:01	91.147%	96.490	97.800	83.995%	100.000	99.950	101.000	101.900
2	18:22:44	91.300%	98.110	99.560	83.193%	99.670	100.200	101.700	102.700
3	18:23:27	92.021%	98.260	100.100	84.449%	99.600	99.980	101.300	101.000
x		91.489%	97.617%	99.139%	83.879%	99.760%	100.045%	101.320%	101.841%
σ		0.467%	n/a	n/a	0.636%	n/a	n/a	n/a	n/a
%RSD		0.510	1.006	1.194	0.758	0.227	0.140	0.356	0.852

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:01	88.686%	96.380	97.040	97.330	95.780	96.630	91.605%	91.565%
2	18:22:44	89.894%	97.010	98.090	98.340	95.390	96.330	93.411%	94.553%
3	18:23:27	90.608%	96.820	96.220	96.540	94.190	95.480	94.581%	95.657%
x		89.730%	96.740%	97.116%	97.402%	95.120%	96.145%	93.199%	93.925%
σ		0.972%	n/a	n/a	n/a	n/a	n/a	1.500%	2.117%
%RSD		1.083	0.334	0.968	0.928	0.869	0.622	1.609	2.254

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:01	96.960	96.800	97.030	96.760	96.740	84.216%
2	18:22:44	96.310	96.970	97.500	97.950	97.510	87.320%
3	18:23:27	97.240	96.940	97.780	96.930	97.170	87.872%
x		96.837%	96.904%	97.437%	97.213%	97.141%	86.469%
σ		n/a	n/a	n/a	n/a	n/a	1.971%
%RSD		0.489	0.092	0.392	0.666	0.393	2.279

CCB3 12/27/2012 6:29:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:02	91.103%	-0.002	1.351	1.598	0.000	1.121	0.742	0.788
2	18:30:45	88.725%	-0.008	1.231	1.399	0.000	1.308	0.943	0.754
3	18:31:28	87.300%	-0.008	1.215	1.383	0.000	1.482	0.493	0.577
x		89.042%	-0.006	1.266	1.460	0.000	1.304	0.726	0.706
σ		1.921%	0.004	0.075	0.120	0.000	0.180	0.226	0.113
%RSD		2.158	63.680	5.900	8.183	0.000	13.840	31.060	16.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:02	0.003	0.208	0.000	-6.234	14.370	11.290	104.238%	-0.056
2	18:30:45	-0.055	0.136	0.000	-7.062	5.051	9.503	103.310%	-0.031
3	18:31:28	-0.135	1.709	0.000	-6.104	11.230	12.670	99.124%	-0.043
x		-0.062	0.684	0.000	-6.467	10.220	11.150	102.224%	-0.044
σ		0.069	0.888	0.000	0.520	4.741	1.586	2.725%	0.013
%RSD		111.400	129.800	0.000	8.037	46.400	14.220	2.665	28.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:02	0.000	-0.058	0.339	2.709	13.840	-0.010	-0.000	-0.019
2	18:30:45	-0.059	-0.064	0.316	-4.577	8.283	-0.007	0.018	-0.021
3	18:31:28	-0.003	-0.077	0.312	-5.533	6.949	-0.005	0.005	-0.019
x		-0.021	-0.066	0.322	-2.467	9.689	-0.008	0.008	-0.020
σ		0.033	0.010	0.015	4.508	3.652	0.002	0.009	0.001
%RSD		161.800	14.430	4.604	182.800	37.690	31.760	122.500	6.509

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:02	0.020	-0.106	-0.157	0.059	-0.132	0.029	0.000	0.009
2	18:30:45	-0.031	-0.073	-0.164	0.065	-0.449	-0.076	0.000	0.009
3	18:31:28	-0.009	-0.231	-0.027	-0.183	-0.191	-0.912	0.000	0.012
x		-0.007	-0.137	-0.116	-0.020	-0.258	-0.320	0.000	0.010
σ		0.026	0.083	0.077	0.141	0.169	0.516	0.000	0.002
%RSD		388.000	60.840	66.830	722.800	65.530	161.400	0.000	18.100

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:02	90.757%	0.214	0.238	95.616%	-0.006	-0.001	0.022	0.004
2	18:30:45	91.440%	0.190	0.236	95.279%	0.000	-0.004	-0.043	-0.046
3	18:31:28	89.234%	0.177	0.132	92.843%	-0.005	0.003	-0.037	-0.045
x		90.477%	0.194	0.202	94.579%	-0.003	-0.001	-0.019	-0.029
σ		1.130%	0.019	0.061	1.513%	0.003	0.003	0.036	0.029
%RSD		1.249	9.816	30.100	1.600	95.990	419.800	187.800	98.780

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:02	95.624%	0.038	0.042	0.028	-0.010	-0.011	94.329%	94.745%
2	18:30:45	96.627%	-0.015	0.020	0.023	-0.007	-0.009	96.426%	96.857%
3	18:31:28	94.228%	-0.063	0.034	0.031	-0.021	-0.009	94.775%	95.660%
x		95.493%	-0.013	0.032	0.028	-0.013	-0.010	95.177%	95.754%
σ		1.205%	0.051	0.011	0.004	0.007	0.001	1.104%	1.059%
%RSD		1.262	385.900	34.180	13.920	56.900	11.690	1.160	1.106

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:02	0.004	0.003	0.105	0.096	0.094	98.253%
2	18:30:45	0.003	0.002	0.084	0.080	0.077	99.887%
3	18:31:28	0.005	0.001	0.063	0.056	0.064	98.753%
x		0.004	0.002	0.084	0.077	0.078	98.964%
σ		0.001	0.001	0.021	0.020	0.015	0.837%
%RSD		25.330	52.070	25.230	26.290	19.530	0.846

240-18449-I-12-A 12/27/2012 6:33:40 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:23	77.859%	6.821	82.250	84.470	0.000	952.400	67060.000	69130.000
2	18:35:05	75.683%	6.689	81.630	85.400	0.000	934.800	66360.000	69230.000
3	18:35:48	77.447%	6.832	82.210	86.280	0.000	919.700	65770.000	68740.000
x		76.996%	6.781	82.030	85.380	0.000	935.700	66400.000	69030.000
σ		1.155%	0.080	0.347	0.901	0.000	16.360	641.600	258.100
%RSD		1.501	1.177	0.424	1.056	0.000	1.748	0.966	0.374

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:23	129800.000	1813.000	0.000	24660.000	186700.000	193900.000	97.390%	641.700
2	18:35:05	130100.000	1806.000	0.000	24330.000	182900.000	191400.000	94.701%	640.500
3	18:35:48	128600.000	1773.000	0.000	23980.000	187400.000	195000.000	96.317%	639.800
x		129500.000	1797.000	0.000	24320.000	185700.000	193400.000	96.136%	640.700
σ		800.300	21.260	0.000	341.500	2385.000	1843.000	1.354%	0.934
%RSD		0.618	1.183	0.000	1.404	1.285	0.953	1.408	0.146

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:23	200.800	187.800	2520.000	265300.000	273000.000	107.200	270.500	166.400
2	18:35:05	201.500	186.400	2532.000	264300.000	270900.000	106.500	269.900	166.900
3	18:35:48	199.300	186.200	2510.000	260300.000	267600.000	106.800	268.800	165.400
x		200.500	186.800	2521.000	263300.000	270500.000	106.800	269.800	166.200
σ		1.108	0.855	10.980	2652.000	2752.000	0.361	0.874	0.783
%RSD		0.553	0.458	0.435	1.007	1.017	0.338	0.324	0.471

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:23	169.100	554.400	558.400	97.210	1.920	1.803	0.000	329.700
2	18:35:05	166.900	560.000	562.500	95.980	1.923	2.470	0.000	333.600
3	18:35:48	167.200	556.300	560.800	96.970	2.143	1.464	0.000	336.400
x		167.700	556.900	560.600	96.720	1.995	1.912	0.000	333.200
σ		1.202	2.826	2.054	0.653	0.128	0.511	0.000	3.352
%RSD		0.717	0.507	0.366	0.675	6.431	26.750	0.000	1.006

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:23	0.000	9.380	9.290	78.747%	0.350	0.217	1.855	1.404
2	18:35:05	0.000	9.291	9.429	78.841%	0.350	0.216	1.694	1.222
3	18:35:48	0.000	9.494	9.491	78.949%	0.363	0.232	2.023	1.500
x		0.000	9.388	9.403	78.845%	0.354	0.222	1.857	1.375
σ		0.000	0.102	0.103	0.101%	0.007	0.009	0.164	0.141
%RSD		0.000	1.085	1.099	0.128	2.068	4.008	8.839	10.280

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:23	84.647%	10.310	0.853	0.840	490.100	494.900	92.328%	90.559%
2	18:35:05	86.273%	10.110	0.796	0.815	491.600	494.400	94.723%	93.557%
3	18:35:48	86.378%	10.170	0.806	0.824	495.200	492.800	95.810%	93.643%
x		85.766%	10.200	0.818	0.826	492.300	494.000	94.287%	92.586%
σ		0.971%	0.102	0.030	0.013	2.625	1.101	1.782%	1.756%
%RSD		1.132	0.996	3.691	1.551	0.533	0.223	1.890	1.897

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:23	1.488	1.505	113.900	111.100	112.500	76.710%
2	18:35:05	1.441	1.491	114.100	112.500	113.000	78.663%
3	18:35:48	1.482	1.542	114.900	112.700	113.400	78.392%
x		1.470	1.513	114.300	112.100	113.000	77.922%
σ		0.025	0.026	0.535	0.855	0.491	1.058%
%RSD		1.721	1.737	0.468	0.763	0.434	1.358

240-18449-I-13-A 12/27/2012 6:37:59 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:42	79.501%	5.289	59.020	60.800	0.000	734.100	56420.000	58910.000
2	18:39:25	78.830%	5.353	59.990	61.920	0.000	736.600	56450.000	59180.000
3	18:40:08	78.562%	5.351	58.230	60.890	0.000	735.100	56040.000	59000.000
x		78.964%	5.331	59.080	61.200	0.000	735.300	56310.000	59030.000
σ		0.484%	0.037	0.881	0.622	0.000	1.270	227.000	138.200
%RSD		0.612	0.687	1.492	1.016	0.000	0.173	0.403	0.234

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:42	104100.000	1765.000	0.000	18480.000	149700.000	157600.000	96.149%	593.400
2	18:39:25	104700.000	1746.000	0.000	18220.000	149100.000	157500.000	94.095%	584.400
3	18:40:08	104500.000	1735.000	0.000	18200.000	148000.000	156700.000	94.771%	578.800
x		104400.000	1749.000	0.000	18300.000	148900.000	157300.000	95.005%	585.500
σ		290.400	14.800	0.000	158.600	901.600	496.900	1.047%	7.373
%RSD		0.278	0.846	0.000	0.867	0.605	0.316	1.102	1.259

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:42	166.200	159.800	2374.000	221100.000	226300.000	95.430	232.700	163.200
2	18:39:25	163.600	159.900	2397.000	222700.000	225300.000	94.990	232.900	164.900
3	18:40:08	162.300	157.400	2358.000	219900.000	222500.000	94.440	228.200	160.900
x		164.000	159.000	2376.000	221200.000	224700.000	94.950	231.300	163.000
σ		1.993	1.419	19.350	1406.000	1989.000	0.496	2.683	2.000
%RSD		1.215	0.892	0.814	0.635	0.885	0.523	1.160	1.227

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:42	163.900	487.000	489.400	89.050	3.108	4.320	0.000	269.100
2	18:39:25	165.100	489.800	493.500	88.030	3.336	4.290	0.000	271.700
3	18:40:08	161.500	482.500	486.700	87.880	3.049	2.985	0.000	270.900
x		163.500	486.400	489.900	88.320	3.164	3.865	0.000	270.600
σ		1.845	3.657	3.404	0.637	0.152	0.762	0.000	1.364
%RSD		1.129	0.752	0.695	0.721	4.802	19.720	0.000	0.504

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:42	0.000	8.033	8.500	79.312%	0.342	0.245	2.006	1.441
2	18:39:25	0.000	8.214	8.595	79.223%	0.333	0.218	1.689	1.284
3	18:40:08	0.000	8.053	8.359	79.546%	0.346	0.213	1.458	1.098
x		0.000	8.100	8.485	79.360%	0.340	0.225	1.718	1.274
σ		0.000	0.099	0.118	0.167%	0.006	0.017	0.275	0.172
%RSD		0.000	1.224	1.395	0.210	1.864	7.620	16.000	13.480

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:42	85.533%	9.735	0.523	0.572	427.100	429.600	93.887%	92.337%
2	18:39:25	87.213%	9.662	0.537	0.579	425.900	427.500	94.743%	93.711%
3	18:40:08	86.335%	9.577	0.546	0.582	426.000	429.300	95.800%	94.327%
x		86.360%	9.658	0.535	0.578	426.300	428.800	94.810%	93.458%
σ		0.840%	0.079	0.012	0.005	0.647	1.128	0.958%	1.019%
%RSD		0.973	0.817	2.202	0.826	0.152	0.263	1.011	1.090

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:42	1.256	1.287	99.130	97.400	98.100	77.385%
2	18:39:25	1.276	1.272	99.150	97.010	97.980	78.842%
3	18:40:08	1.268	1.268	98.740	96.580	97.570	79.809%
x		1.267	1.276	99.010	97.000	97.880	78.679%
σ		0.010	0.010	0.232	0.408	0.277	1.220%
%RSD		0.797	0.761	0.235	0.420	0.283	1.551

240-18449-I-14-A 12/27/2012 6:42:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:02	78.877%	5.752	36.480	37.680	0.000	504.800	31750.000	33170.000
2	18:43:45	71.744%	5.759	36.330	37.800	0.000	508.000	31760.000	33000.000
3	18:44:28	71.872%	5.425	36.300	37.480	0.000	497.400	31180.000	32760.000
x		74.164%	5.645	36.370	37.650	0.000	503.400	31560.000	32980.000
σ		4.082%	0.191	0.097	0.160	0.000	5.438	330.700	205.700
%RSD		5.503	3.381	0.267	0.425	0.000	1.080	1.048	0.624
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:02	103500.000	1487.000	0.000	11850.000	16730.000	17620.000	92.560%	356.000
2	18:43:45	102300.000	1617.000	0.000	11400.000	16260.000	16910.000	87.002%	349.600
3	18:44:28	101700.000	1543.000	0.000	11390.000	16310.000	16960.000	85.334%	344.800
x		102500.000	1549.000	0.000	11550.000	16430.000	17170.000	88.299%	350.100
σ		886.000	65.450	0.000	264.800	257.700	393.600	3.784%	5.622
%RSD		0.864	4.225	0.000	2.293	1.568	2.293	4.285	1.606
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:02	157.200	149.500	2247.000	267900.000	272900.000	97.820	271.100	193.100
2	18:43:45	151.400	145.700	2219.000	263700.000	267900.000	96.350	266.100	189.600
3	18:44:28	150.000	142.600	2189.000	262200.000	266100.000	95.390	259.600	186.700
x		152.900	145.900	2219.000	264600.000	269000.000	96.520	265.600	189.800
σ		3.830	3.446	29.010	2947.000	3524.000	1.225	5.761	3.211
%RSD		2.505	2.361	1.308	1.114	1.310	1.269	2.169	1.691
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:02	192.700	625.300	629.200	172.000	1.706	2.727	0.000	89.280
2	18:43:45	190.100	620.200	622.900	169.500	1.490	2.489	0.000	88.870
3	18:44:28	186.200	614.200	620.900	167.400	1.645	2.265	0.000	89.740
x		189.700	619.900	624.400	169.600	1.614	2.494	0.000	89.300
σ		3.259	5.528	4.335	2.333	0.111	0.231	0.000	0.435
%RSD		1.718	0.892	0.694	1.375	6.901	9.266	0.000	0.487
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:02	0.000	7.657	7.728	79.688%	0.262	0.145	1.735	1.418
2	18:43:45	0.000	7.852	7.920	75.422%	0.253	0.140	1.735	1.300
3	18:44:28	0.000	7.907	7.973	74.316%	0.251	0.124	1.652	1.316
x		0.000	7.805	7.874	76.476%	0.256	0.136	1.707	1.345
σ		0.000	0.131	0.129	2.837%	0.006	0.011	0.048	0.064
%RSD		0.000	1.680	1.636	3.709	2.380	8.350	2.815	4.767
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:43:02	83.964%	9.130	0.723	0.666	536.000	536.600	93.995%	92.144%
2	18:43:45	81.078%	8.926	0.737	0.677	529.500	532.300	93.165%	91.557%
3	18:44:28	79.711%	9.041	0.687	0.678	525.100	531.000	91.006%	90.007%
x		81.584%	9.033	0.716	0.674	530.200	533.300	92.722%	91.236%
σ		2.171%	0.102	0.026	0.007	5.466	2.947	1.543%	1.104%
%RSD		2.661	1.132	3.617	1.046	1.031	0.552	1.664	1.210
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:43:02	1.377	1.392	119.700	119.400	119.700	79.610%		
2	18:43:45	1.423	1.359	120.300	118.200	119.000	80.063%		
3	18:44:28	1.403	1.404	120.600	118.800	119.400	78.803%		
x		1.401	1.385	120.200	118.800	119.400	79.492%		
σ		0.023	0.023	0.457	0.639	0.332	0.638%		
%RSD		1.629	1.691	0.381	0.538	0.278	0.803		

240-18449-I-16-A 12/27/2012 6:46:38 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:20	69.361%	5.986	45.440	48.260	0.000	672.100	49250.000	51580.000
2	18:48:03	69.823%	6.184	46.910	48.960	0.000	671.900	48810.000	50630.000
3	18:48:46	68.439%	5.997	46.760	49.260	0.000	651.600	48400.000	50590.000
x		69.208%	6.056	46.370	48.820	0.000	665.200	48820.000	50930.000
σ		0.705%	0.112	0.809	0.511	0.000	11.770	428.500	557.200
%RSD		1.018	1.843	1.744	1.046	0.000	1.769	0.878	1.094

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:20	115500.000	1466.000	0.000	17710.000	40020.000	42220.000	85.148%	392.600
2	18:48:03	114300.000	1688.000	0.000	17680.000	40380.000	42430.000	84.578%	387.300
3	18:48:46	114700.000	1605.000	0.000	17370.000	40100.000	42340.000	82.612%	388.400
x		114800.000	1586.000	0.000	17580.000	40170.000	42330.000	84.113%	389.400
σ		590.600	112.000	0.000	188.100	190.800	106.200	1.331%	2.828
%RSD		0.514	7.062	0.000	1.070	0.475	0.251	1.582	0.726

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:20	164.600	169.000	2251.000	317100.000	325400.000	99.130	265.000	190.600
2	18:48:03	160.400	165.700	2278.000	317100.000	320000.000	99.430	262.700	190.500
3	18:48:46	163.300	165.700	2239.000	312500.000	320300.000	98.900	262.400	187.700
x		162.800	166.800	2256.000	315500.000	321900.000	99.150	263.400	189.600
σ		2.140	1.904	19.960	2664.000	3009.000	0.266	1.416	1.654
%RSD		1.315	1.142	0.885	0.844	0.935	0.269	0.538	0.872

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:20	190.700	677.800	681.700	193.000	2.152	2.435	0.000	116.900
2	18:48:03	190.500	678.700	687.300	191.400	1.884	1.826	0.000	116.700
3	18:48:46	190.200	681.800	689.800	193.800	1.977	2.708	0.000	117.000
x		190.500	679.400	686.300	192.700	2.004	2.323	0.000	116.900
σ		0.232	2.107	4.137	1.221	0.136	0.451	0.000	0.155
%RSD		0.122	0.310	0.603	0.633	6.796	19.430	0.000	0.133

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:20	0.000	10.540	10.650	71.495%	0.409	0.258	1.924	1.361
2	18:48:03	0.000	10.560	10.590	71.542%	0.410	0.285	1.569	1.140
3	18:48:46	0.000	10.420	10.340	71.047%	0.447	0.297	1.771	1.299
x		0.000	10.510	10.530	71.361%	0.422	0.280	1.755	1.267
σ		0.000	0.075	0.164	0.273%	0.021	0.020	0.178	0.114
%RSD		0.000	0.718	1.554	0.383	5.050	7.103	10.140	8.988

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:20	76.517%	7.732	0.695	0.725	389.300	390.500	87.062%	85.801%
2	18:48:03	77.455%	7.375	0.713	0.747	383.300	388.300	88.471%	86.623%
3	18:48:46	77.063%	7.638	0.709	0.761	382.400	384.000	88.409%	87.287%
x		77.012%	7.581	0.705	0.744	385.000	387.600	87.981%	86.570%
σ		0.471%	0.185	0.010	0.019	3.763	3.306	0.796%	0.744%
%RSD		0.611	2.441	1.359	2.489	0.978	0.853	0.905	0.859

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:20	1.369	1.337	115.700	114.400	114.900	75.542%
2	18:48:03	1.416	1.372	118.300	115.900	116.800	74.796%
3	18:48:46	1.409	1.391	117.200	115.200	116.200	75.590%
x		1.398	1.366	117.100	115.200	116.000	75.309%
σ		0.026	0.027	1.324	0.761	0.964	0.445%
%RSD		1.836	1.994	1.131	0.661	0.831	0.591

240-18449-I-17-A 12/27/2012 6:50:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:38	75.173%	6.799	70.090	71.670	0.000	872.800	62740.000	65360.000
2	18:52:21	72.583%	6.718	66.850	70.590	0.000	867.300	62640.000	65690.000
3	18:53:04	75.088%	6.703	68.450	72.830	0.000	851.500	62510.000	65970.000
x		74.281%	6.740	68.460	71.700	0.000	863.900	62630.000	65670.000
σ		1.471%	0.051	1.622	1.121	0.000	11.030	115.100	307.000
%RSD		1.981	0.762	2.369	1.563	0.000	1.277	0.184	0.468

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:38	129200.000	1712.000	0.000	22700.000	175700.000	184800.000	91.807%	612.100
2	18:52:21	129200.000	1669.000	0.000	22010.000	173900.000	180700.000	89.783%	598.800
3	18:53:04	130600.000	1710.000	0.000	22480.000	175500.000	183400.000	91.955%	606.500
x		129600.000	1697.000	0.000	22390.000	175000.000	183000.000	91.182%	605.800
σ		823.600	24.320	0.000	349.500	982.400	2079.000	1.213%	6.704
%RSD		0.635	1.433	0.000	1.561	0.561	1.136	1.331	1.107

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:38	199.800	190.900	2838.000	273800.000	282500.000	129.400	284.700	185.500
2	18:52:21	198.500	188.000	2789.000	270800.000	279600.000	125.900	276.000	182.900
3	18:53:04	200.500	191.500	2837.000	274700.000	281900.000	127.900	280.600	184.800
x		199.600	190.100	2821.000	273100.000	281300.000	127.700	280.500	184.400
σ		1.026	1.877	28.260	2073.000	1574.000	1.753	4.360	1.385
%RSD		0.514	0.987	1.002	0.759	0.560	1.372	1.555	0.751

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:38	184.700	597.200	604.300	134.000	4.831	4.848	0.000	313.300
2	18:52:21	183.200	594.600	603.300	132.000	4.501	5.118	0.000	317.000
3	18:53:04	185.800	602.400	607.600	132.800	4.633	4.889	0.000	320.700
x		184.500	598.100	605.000	132.900	4.655	4.952	0.000	317.000
σ		1.312	3.984	2.250	1.019	0.166	0.145	0.000	3.693
%RSD		0.711	0.666	0.372	0.766	3.571	2.937	0.000	1.165

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:38	0.000	9.922	10.210	74.978%	0.461	0.261	2.099	1.578
2	18:52:21	0.000	9.996	10.320	75.888%	0.411	0.246	2.199	1.601
3	18:53:04	0.000	10.140	10.290	75.903%	0.417	0.277	1.951	1.378
x		0.000	10.020	10.270	75.590%	0.430	0.261	2.083	1.519
σ		0.000	0.111	0.057	0.530%	0.027	0.015	0.124	0.123
%RSD		0.000	1.111	0.551	0.701	6.341	5.909	5.972	8.079

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:38	80.696%	9.041	0.702	0.772	535.400	531.300	89.686%	87.810%
2	18:52:21	83.166%	9.160	0.712	0.806	529.100	530.200	92.200%	91.191%
3	18:53:04	83.718%	9.026	0.700	0.746	534.500	533.400	92.837%	91.000%
x		82.527%	9.076	0.705	0.775	533.000	531.600	91.575%	90.000%
σ		1.609%	0.074	0.007	0.030	3.399	1.603	1.666%	1.899%
%RSD		1.950	0.810	0.943	3.851	0.638	0.301	1.819	2.110

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:38	1.423	1.438	121.400	118.800	120.000	73.707%
2	18:52:21	1.392	1.390	118.700	117.200	117.400	78.008%
3	18:53:04	1.468	1.434	122.000	119.400	120.800	77.367%
x		1.428	1.420	120.700	118.500	119.400	76.361%
σ		0.038	0.026	1.782	1.140	1.744	2.321%
%RSD		2.694	1.861	1.477	0.962	1.460	3.039

240-18449-I-18-A 12/27/2012 6:55:13 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:56	73.330%	6.120	73.590	78.280	0.000	853.100	57110.000	59900.000
2	18:56:39	73.376%	6.273	73.370	75.420	0.000	825.800	55650.000	58520.000
3	18:57:22	71.499%	6.119	78.410	79.530	0.000	861.800	57880.000	60380.000
x		72.735%	6.171	75.120	77.740	0.000	846.900	56880.000	59600.000
σ		1.071%	0.089	2.850	2.104	0.000	18.780	1132.000	965.300
%RSD		1.472	1.436	3.794	2.707	0.000	2.218	1.990	1.620

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:56	124400.000	1511.000	0.000	23510.000	177000.000	187200.000	89.915%	645.000
2	18:56:39	121800.000	1447.000	0.000	23260.000	173900.000	183300.000	88.243%	628.900
3	18:57:22	124700.000	1535.000	0.000	23910.000	178100.000	186900.000	88.085%	638.000
x		123600.000	1498.000	0.000	23560.000	176300.000	185800.000	88.747%	637.300
σ		1610.000	45.340	0.000	325.900	2151.000	2184.000	1.014%	8.046
%RSD		1.302	3.027	0.000	1.383	1.220	1.176	1.142	1.262

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:56	190.000	175.600	3304.000	239200.000	243500.000	104.800	250.500	167.200
2	18:56:39	185.700	174.100	3250.000	234700.000	238400.000	101.800	244.800	163.900
3	18:57:22	190.000	179.100	3338.000	240600.000	243000.000	105.300	249.500	165.700
x		188.500	176.300	3297.000	238200.000	241700.000	103.900	248.200	165.600
σ		2.503	2.585	44.500	3089.000	2807.000	1.904	3.040	1.648
%RSD		1.328	1.467	1.349	1.297	1.162	1.832	1.225	0.995

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:56	166.100	580.100	582.100	114.900	1.448	2.207	0.000	307.700
2	18:56:39	164.700	575.500	579.500	113.800	1.817	1.644	0.000	308.700
3	18:57:22	168.100	581.800	595.200	115.300	1.475	0.786	0.000	311.400
x		166.300	579.100	585.600	114.700	1.580	1.546	0.000	309.300
σ		1.687	3.269	8.405	0.796	0.206	0.716	0.000	1.918
%RSD		1.014	0.565	1.435	0.694	13.020	46.290	0.000	0.620

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:56	0.000	8.154	8.214	76.372%	0.322	0.212	1.925	1.523
2	18:56:39	0.000	8.227	8.009	76.439%	0.304	0.180	1.931	1.353
3	18:57:22	0.000	8.313	8.138	75.997%	0.292	0.190	1.816	1.448
x		0.000	8.231	8.120	76.269%	0.306	0.194	1.891	1.441
σ		0.000	0.080	0.104	0.238%	0.015	0.016	0.065	0.085
%RSD		0.000	0.971	1.278	0.312	4.896	8.450	3.419	5.895

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:56	82.457%	8.686	0.579	0.592	510.300	513.300	90.492%	88.805%
2	18:56:39	84.061%	8.565	0.597	0.584	501.000	503.900	92.818%	91.338%
3	18:57:22	83.153%	8.784	0.583	0.623	508.600	509.000	93.070%	91.448%
x		83.224%	8.678	0.586	0.600	506.600	508.700	92.127%	90.530%
σ		0.804%	0.110	0.009	0.020	4.918	4.703	1.421%	1.495%
%RSD		0.966	1.265	1.593	3.378	0.971	0.924	1.542	1.651

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:56	1.547	1.554	98.500	95.690	96.580	78.011%
2	18:56:39	1.605	1.602	97.740	94.890	95.810	79.772%
3	18:57:22	1.619	1.600	99.040	97.050	97.900	79.791%
x		1.590	1.585	98.430	95.880	96.760	79.191%
σ		0.038	0.027	0.650	1.090	1.056	1.022%
%RSD		2.418	1.679	0.661	1.137	1.091	1.291

240-18449-I-19-A 12/27/2012 6:59:30 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:13	75.575%	6.200	59.290	61.970	0.000	818.600	62880.000	66220.000
2	19:00:56	73.679%	6.220	61.530	63.770	0.000	836.200	63150.000	66390.000
3	19:01:39	72.373%	6.108	60.590	62.480	0.000	828.300	63640.000	66640.000
x		73.876%	6.176	60.470	62.740	0.000	827.700	63220.000	66420.000
σ		1.610%	0.060	1.127	0.929	0.000	8.810	384.600	214.200
%RSD		2.180	0.971	1.863	1.481	0.000	1.064	0.608	0.323
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:13	122600.000	1286.000	0.000	21040.000	204900.000	216900.000	90.821%	576.300
2	19:00:56	123100.000	1539.000	0.000	20880.000	204800.000	214700.000	88.726%	577.400
3	19:01:39	122500.000	1477.000	0.000	20970.000	203700.000	212200.000	88.638%	573.700
x		122800.000	1434.000	0.000	20960.000	204500.000	214600.000	89.395%	575.800
σ		301.700	132.100	0.000	81.390	627.200	2348.000	1.236%	1.882
%RSD		0.246	9.207	0.000	0.388	0.307	1.095	1.382	0.327
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:13	185.900	182.900	2593.000	261600.000	268400.000	94.410	256.300	184.000
2	19:00:56	189.600	182.600	2581.000	262000.000	266800.000	94.970	257.000	183.900
3	19:01:39	184.800	179.700	2547.000	258000.000	264500.000	94.850	256.900	182.500
x		186.700	181.700	2573.000	260600.000	266600.000	94.740	256.700	183.500
σ		2.492	1.800	23.720	2180.000	1969.000	0.293	0.396	0.864
%RSD		1.334	0.991	0.922	0.837	0.739	0.310	0.154	0.471
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:13	185.200	549.900	554.800	86.770	1.806	2.335	0.000	303.500
2	19:00:56	184.700	549.200	555.400	86.320	1.682	1.857	0.000	305.100
3	19:01:39	183.000	542.000	549.900	86.210	1.490	2.228	0.000	304.000
x		184.300	547.000	553.300	86.430	1.660	2.140	0.000	304.200
σ		1.165	4.411	3.008	0.296	0.159	0.251	0.000	0.821
%RSD		0.632	0.806	0.543	0.343	9.587	11.730	0.000	0.270
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:13	0.000	8.543	8.478	74.929%	0.384	0.270	1.929	1.397
2	19:00:56	0.000	8.314	8.309	75.764%	0.378	0.256	2.118	1.556
3	19:01:39	0.000	8.292	8.409	75.617%	0.396	0.232	1.925	1.508
x		0.000	8.383	8.399	75.437%	0.386	0.253	1.991	1.487
σ		0.000	0.139	0.085	0.445%	0.009	0.019	0.110	0.082
%RSD		0.000	1.655	1.010	0.590	2.291	7.627	5.547	5.498
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:13	81.468%	7.328	0.678	0.664	490.900	493.900	89.971%	87.843%
2	19:00:56	81.825%	7.333	0.667	0.690	494.300	499.200	91.287%	89.679%
3	19:01:39	83.239%	7.332	0.615	0.615	489.000	488.400	92.437%	91.192%
x		82.177%	7.331	0.653	0.656	491.400	493.800	91.232%	89.571%
σ		0.936%	0.003	0.034	0.038	2.671	5.395	1.234%	1.677%
%RSD		1.140	0.034	5.161	5.837	0.543	1.093	1.353	1.872
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:00:13	1.585	1.549	117.100	115.500	116.100	74.578%		
2	19:00:56	1.534	1.507	117.300	115.600	116.500	76.402%		
3	19:01:39	1.476	1.511	115.500	113.000	114.500	78.078%		
x		1.532	1.522	116.600	114.700	115.700	76.352%		
σ		0.055	0.023	0.983	1.466	1.071	1.751%		
%RSD		3.567	1.541	0.843	1.278	0.926	2.293		

240-18449-I-20-A 12/27/2012 7:03:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:32	77.899%	6.792	55.670	60.550	0.000	741.900	51000.000	53860.000
2	19:05:15	75.355%	6.974	58.690	60.600	0.000	738.800	50520.000	52960.000
3	19:05:58	74.220%	6.834	56.150	60.000	0.000	730.000	50020.000	52810.000
x		75.825%	6.867	56.840	60.380	0.000	736.900	50520.000	53210.000
σ		1.884%	0.095	1.621	0.333	0.000	6.180	488.100	569.100
%RSD		2.485	1.390	2.852	0.551	0.000	0.839	0.966	1.069

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:32	124100.000	1865.000	0.000	21240.000	40520.000	42890.000	96.127%	385.400
2	19:05:15	121900.000	1840.000	0.000	21000.000	39810.000	42230.000	95.428%	386.100
3	19:05:58	120500.000	1826.000	0.000	20680.000	39450.000	42100.000	94.418%	380.500
x		122100.000	1844.000	0.000	20970.000	39930.000	42410.000	95.324%	384.000
σ		1830.000	19.640	0.000	283.800	545.400	423.600	0.859%	3.067
%RSD		1.498	1.065	0.000	1.353	1.366	0.999	0.901	0.799

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:32	171.000	172.400	1952.000	288900.000	295800.000	114.400	278.800	172.100
2	19:05:15	171.300	168.800	1938.000	287100.000	292400.000	113.700	274.800	172.200
3	19:05:58	170.400	168.500	1927.000	284500.000	291400.000	114.100	275.000	171.900
x		170.900	169.900	1939.000	286900.000	293200.000	114.100	276.200	172.000
σ		0.454	2.174	12.160	2208.000	2324.000	0.358	2.273	0.134
%RSD		0.266	1.280	0.627	0.770	0.793	0.314	0.823	0.078

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:32	172.900	610.000	620.800	169.500	2.801	3.717	0.000	115.900
2	19:05:15	170.700	607.000	615.800	167.800	2.657	3.491	0.000	116.100
3	19:05:58	171.100	608.000	614.100	165.900	2.663	3.897	0.000	115.600
x		171.600	608.300	616.900	167.700	2.707	3.702	0.000	115.900
σ		1.143	1.536	3.475	1.827	0.082	0.203	0.000	0.225
%RSD		0.666	0.253	0.563	1.090	3.015	5.491	0.000	0.194

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:32	0.000	10.960	11.290	81.280%	0.334	0.186	1.671	1.165
2	19:05:15	0.000	11.020	11.140	80.450%	0.337	0.197	1.581	1.093
3	19:05:58	0.000	11.150	11.050	79.591%	0.332	0.212	1.572	1.083
x		0.000	11.050	11.160	80.440%	0.334	0.198	1.608	1.114
σ		0.000	0.096	0.122	0.844%	0.002	0.013	0.055	0.045
%RSD		0.000	0.873	1.092	1.050	0.662	6.532	3.427	4.045

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:32	85.913%	8.647	0.700	0.730	457.100	454.300	95.067%	92.473%
2	19:05:15	86.219%	8.428	0.738	0.794	450.200	451.400	95.870%	94.006%
3	19:05:58	85.176%	8.596	0.760	0.744	449.000	451.400	94.242%	92.996%
x		85.770%	8.557	0.733	0.756	452.100	452.400	95.060%	93.158%
σ		0.536%	0.115	0.030	0.034	4.376	1.649	0.814%	0.779%
%RSD		0.625	1.339	4.149	4.459	0.968	0.364	0.857	0.836

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:32	1.227	1.181	115.200	112.900	114.000	80.000%
2	19:05:15	1.139	1.196	115.100	113.400	114.100	81.102%
3	19:05:58	1.198	1.217	115.200	112.600	114.000	80.499%
x		1.188	1.198	115.200	113.000	114.000	80.534%
σ		0.045	0.018	0.058	0.391	0.051	0.552%
%RSD		3.792	1.498	0.050	0.346	0.044	0.686

240-18449-I-21-A 12/27/2012 7:08:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:50	78.371%	5.796	54.660	55.510	0.000	680.700	51930.000	54190.000
2	19:09:33	75.876%	6.127	53.990	56.090	0.000	671.000	51550.000	54310.000
3	19:10:16	77.945%	5.825	53.020	54.300	0.000	658.400	50880.000	53870.000
x		77.397%	5.916	53.890	55.300	0.000	670.000	51450.000	54120.000
σ		1.335%	0.184	0.825	0.913	0.000	11.190	532.300	228.100
%RSD		1.725	3.103	1.530	1.651	0.000	1.670	1.035	0.421

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:50	105600.000	1530.000	0.000	17770.000	132400.000	141100.000	94.900%	508.900
2	19:09:33	105200.000	1495.000	0.000	17750.000	133800.000	139500.000	93.362%	509.100
3	19:10:16	104300.000	1393.000	0.000	18020.000	135100.000	140400.000	93.046%	505.800
x		105000.000	1473.000	0.000	17850.000	133800.000	140300.000	93.769%	507.900
σ		675.000	71.130	0.000	153.000	1344.000	796.700	0.992%	1.848
%RSD		0.643	4.831	0.000	0.857	1.005	0.568	1.058	0.364

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:50	161.700	158.000	2316.000	264300.000	270800.000	106.200	252.800	165.900
2	19:09:33	162.500	160.300	2338.000	264800.000	268200.000	105.800	255.300	165.900
3	19:10:16	160.800	158.500	2319.000	263400.000	268700.000	105.400	253.000	164.900
x		161.700	158.900	2324.000	264200.000	269200.000	105.800	253.700	165.600
σ		0.880	1.225	12.010	693.800	1385.000	0.405	1.379	0.621
%RSD		0.544	0.771	0.517	0.263	0.514	0.383	0.543	0.375

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:50	166.800	534.500	539.100	210.100	1.593	1.955	0.000	246.200
2	19:09:33	166.100	535.100	545.200	209.100	1.358	1.890	0.000	248.400
3	19:10:16	164.800	537.000	541.500	208.500	1.436	2.188	0.000	248.000
x		165.900	535.500	542.000	209.300	1.462	2.011	0.000	247.500
σ		0.989	1.280	3.082	0.780	0.120	0.157	0.000	1.176
%RSD		0.596	0.239	0.569	0.373	8.193	7.788	0.000	0.475

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:50	0.000	9.076	9.386	78.303%	0.361	0.206	1.883	1.375
2	19:09:33	0.000	9.527	9.566	78.132%	0.364	0.193	1.593	1.209
3	19:10:16	0.000	9.465	9.467	78.488%	0.374	0.208	1.809	1.312
x		0.000	9.356	9.473	78.308%	0.366	0.203	1.762	1.299
σ		0.000	0.245	0.090	0.178%	0.007	0.008	0.151	0.084
%RSD		0.000	2.615	0.952	0.228	1.898	4.075	8.558	6.463

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:50	82.991%	10.240	0.618	0.665	465.300	462.600	90.587%	89.123%
2	19:09:33	84.010%	10.260	0.626	0.671	460.500	465.200	92.920%	91.133%
3	19:10:16	83.790%	10.290	0.697	0.685	464.100	466.200	92.808%	91.746%
x		83.597%	10.270	0.647	0.674	463.300	464.700	92.105%	90.667%
σ		0.536%	0.023	0.044	0.010	2.488	1.856	1.316%	1.372%
%RSD		0.642	0.228	6.736	1.506	0.537	0.399	1.429	1.513

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:50	1.270	1.287	109.700	107.100	108.400	76.519%
2	19:09:33	1.260	1.247	109.500	107.400	108.300	78.620%
3	19:10:16	1.304	1.257	109.500	107.100	108.300	78.849%
x		1.278	1.264	109.600	107.200	108.300	77.996%
σ		0.023	0.021	0.113	0.141	0.080	1.284%
%RSD		1.831	1.648	0.103	0.131	0.073	1.646

240-18544-I-2-A 12/27/2012 7:12:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:09	74.708%	4.156	28.180	28.660	0.000	298.400	17360.000	18280.000
2	19:13:52	71.142%	4.357	27.740	28.860	0.000	303.400	17450.000	18440.000
3	19:14:35	70.528%	4.076	27.230	28.750	0.000	297.900	17500.000	18510.000
x		72.126%	4.196	27.720	28.760	0.000	299.900	17440.000	18410.000
σ		2.257%	0.144	0.478	0.098	0.000	3.075	67.210	120.300
%RSD		3.129	3.440	1.724	0.341	0.000	1.025	0.386	0.653

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:09	61070.000	1576.000	0.000	10850.000	11970.000	12430.000	87.740%	307.800
2	19:13:52	61320.000	1653.000	0.000	10640.000	11930.000	12510.000	82.450%	312.400
3	19:14:35	61330.000	1673.000	0.000	10540.000	11870.000	12430.000	80.667%	311.200
x		61240.000	1634.000	0.000	10680.000	11920.000	12460.000	83.619%	310.500
σ		147.300	51.200	0.000	155.700	51.330	47.370	3.678%	2.349
%RSD		0.241	3.133	0.000	1.458	0.430	0.380	4.399	0.756

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:09	105.600	99.540	4563.000	198300.000	200200.000	84.600	211.200	160.300
2	19:13:52	107.700	101.400	4636.000	202700.000	204600.000	84.540	211.400	160.400
3	19:14:35	106.500	100.400	4673.000	204600.000	205300.000	85.520	213.200	160.300
x		106.600	100.500	4624.000	201800.000	203400.000	84.890	211.900	160.300
σ		1.058	0.937	55.870	3228.000	2776.000	0.545	1.110	0.076
%RSD		0.992	0.933	1.208	1.599	1.365	0.643	0.524	0.047

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:09	158.700	573.700	576.800	111.800	1.185	2.304	0.000	93.870
2	19:13:52	160.800	581.000	586.900	112.900	1.439	1.922	0.000	93.440
3	19:14:35	160.200	580.900	587.800	113.200	1.326	2.772	0.000	94.720
x		159.900	578.500	583.800	112.700	1.317	2.333	0.000	94.010
σ		1.067	4.206	6.077	0.761	0.127	0.426	0.000	0.651
%RSD		0.668	0.727	1.041	0.675	9.664	18.250	0.000	0.692

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:09	0.000	5.183	5.210	74.605%	0.307	0.184	1.983	1.643
2	19:13:52	0.000	5.078	5.147	72.740%	0.327	0.208	2.070	1.687
3	19:14:35	0.000	5.079	5.250	71.079%	0.307	0.192	2.151	1.725
x		0.000	5.113	5.202	72.808%	0.314	0.195	2.068	1.685
σ		0.000	0.060	0.052	1.764%	0.012	0.012	0.084	0.041
%RSD		0.000	1.177	1.004	2.423	3.740	6.299	4.045	2.445

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:09	79.080%	7.966	0.641	0.646	256.400	255.600	90.698%	89.375%
2	19:13:52	77.072%	8.024	0.705	0.699	255.200	255.500	89.379%	88.863%
3	19:14:35	75.527%	7.974	0.702	0.695	255.000	255.700	89.488%	88.188%
x		77.226%	7.988	0.683	0.680	255.500	255.600	89.855%	88.809%
σ		1.781%	0.032	0.036	0.029	0.757	0.067	0.732%	0.595%
%RSD		2.307	0.395	5.205	4.325	0.296	0.026	0.815	0.670

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:09	1.351	1.363	106.800	106.300	106.600	79.964%
2	19:13:52	1.392	1.390	109.800	108.200	108.700	78.375%
3	19:14:35	1.385	1.436	109.000	108.100	108.300	78.040%
x		1.376	1.396	108.500	107.500	107.900	78.793%
σ		0.022	0.037	1.524	1.073	1.126	1.028%
%RSD		1.574	2.644	1.404	0.997	1.044	1.305

CCV 664806 12/27/2012 7:19:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:23	75.021%	101.300	94.510	96.650	0.000	49250.000	48530.000	49540.000
2	19:21:06	75.701%	99.170	94.450	96.640	0.000	48460.000	47500.000	48960.000
3	19:21:49	75.516%	101.900	95.620	96.900	0.000	49160.000	47320.000	49070.000
x		75.413%	100.809%	94.861%	96.727%	0.000	97.916%	95.562%	98.380%
σ		0.352%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.466	1.436	0.696	0.153	0.000	0.890	1.372	0.633

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:23	519.800	5189.000	0.000	48380.000	47830.000	51050.000	88.796%	98.330
2	19:21:06	521.900	5134.000	0.000	47630.000	47340.000	50340.000	89.555%	96.740
3	19:21:49	523.900	5211.000	0.000	48490.000	48510.000	51230.000	90.454%	98.850
x		104.371%	103.563%	0.000	96.331%	95.782%	101.744%	89.602%	97.975%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.830%	n/a
%RSD		0.395	0.766	0.000	0.972	1.231	0.918	0.926	1.119

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:23	98.630	96.730	518.700	25930.000	25520.000	95.710	97.190	97.070
2	19:21:06	97.280	97.770	522.700	26140.000	25530.000	96.170	96.270	96.860
3	19:21:49	98.380	98.870	525.200	26130.000	25750.000	96.460	96.510	98.930
x		98.094%	97.790%	104.435%	104.274%	102.405%	96.110%	96.656%	97.619%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.733	1.095	0.628	0.456	0.512	0.394	0.495	1.168

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:23	97.110	104.100	104.200	98.040	100.600	100.400	0.000	94.920
2	19:21:06	94.900	102.000	101.500	96.740	100.300	101.800	0.000	94.990
3	19:21:49	97.650	105.000	105.600	98.290	101.500	101.300	0.000	95.160
x		96.554%	103.673%	103.747%	97.689%	100.789%	101.166%	0.000	95.023%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.510	1.494	1.993	0.854	0.613	0.725	0.000	0.131

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:23	80.972%	95.250	96.210	76.516%	98.000	99.140	102.100	103.900
2	19:21:06	84.712%	97.600	97.710	78.458%	98.300	100.200	103.000	102.600
3	19:21:49	86.691%	97.430	99.560	80.582%	99.260	99.900	102.200	103.400
x		84.125%	96.761%	97.825%	78.518%	98.521%	99.749%	102.438%	103.287%
σ		2.904%	n/a	n/a	2.034%	n/a	n/a	n/a	n/a
%RSD		3.452	1.351	1.716	2.590	0.666	0.554	0.440	0.601

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:23	79.310%	97.740	98.950	99.500	97.290	97.870	81.415%	82.274%
2	19:21:06	82.607%	97.730	99.390	99.170	96.540	96.250	84.782%	85.902%
3	19:21:49	85.274%	97.960	98.450	98.610	95.630	97.060	88.149%	88.826%
x		82.397%	97.808%	98.932%	99.094%	96.487%	97.059%	84.782%	85.668%
σ		2.987%	n/a	n/a	n/a	n/a	n/a	3.367%	3.282%
%RSD		3.626	0.131	0.477	0.454	0.862	0.835	3.971	3.831

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:23	96.210	95.990	96.950	96.880	96.470	79.868%
2	19:21:06	96.760	96.330	97.320	96.810	97.010	82.939%
3	19:21:49	97.370	97.070	98.240	96.930	97.070	85.030%
x		96.782%	96.462%	97.505%	96.876%	96.848%	82.612%
σ		n/a	n/a	n/a	n/a	n/a	2.596%
%RSD		0.599	0.576	0.682	0.063	0.341	3.143

CCB4 12/27/2012 7:27:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:23	87.178%	0.011	1.127	0.954	0.000	1.393	0.685	0.539
2	19:29:06	87.618%	-0.000	0.738	0.876	0.000	1.173	0.423	0.478
3	19:29:50	84.459%	0.003	0.611	0.801	0.000	1.387	0.514	0.619
x		86.418%	0.004	0.826	0.877	0.000	1.318	0.540	0.545
σ		1.711%	0.006	0.269	0.076	0.000	0.126	0.133	0.071
%RSD		1.980	132.000	32.600	8.708	0.000	9.523	24.580	12.990

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:23	-0.068	-0.324	0.000	-7.357	9.097	9.469	104.566%	-0.027
2	19:29:06	-0.102	-0.741	0.000	-8.917	6.458	9.767	101.213%	-0.028
3	19:29:50	-0.249	-1.213	0.000	-9.696	9.677	10.900	101.638%	-0.022
x		-0.140	-0.759	0.000	-8.657	8.411	10.050	102.472%	-0.026
σ		0.096	0.445	0.000	1.191	1.716	0.755	1.825%	0.003
%RSD		68.740	58.610	0.000	13.760	20.400	7.518	1.781	11.580

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:23	-0.009	-0.048	0.304	-3.606	10.380	-0.010	0.002	-0.006
2	19:29:06	0.001	-0.062	0.274	-9.357	5.894	-0.006	0.005	-0.018
3	19:29:50	-0.029	-0.061	0.256	-9.868	4.775	-0.007	0.010	-0.029
x		-0.012	-0.057	0.278	-7.610	7.018	-0.008	0.006	-0.018
σ		0.015	0.008	0.024	3.477	2.968	0.002	0.004	0.011
%RSD		124.700	14.100	8.784	45.690	42.300	24.810	72.000	64.160

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:23	-0.015	-0.055	0.120	-0.030	-0.281	-0.068	0.000	0.005
2	19:29:06	0.003	0.027	0.089	0.022	-0.381	-0.164	0.000	0.007
3	19:29:50	-0.011	0.138	0.081	-0.034	-0.275	-0.235	0.000	0.009
x		-0.008	0.037	0.097	-0.014	-0.312	-0.156	0.000	0.007
σ		0.010	0.096	0.021	0.031	0.060	0.084	0.000	0.002
%RSD		122.000	262.800	21.230	223.600	19.130	53.730	0.000	26.450

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:23	86.687%	0.180	0.206	92.955%	-0.004	-0.005	0.004	-0.000
2	19:29:06	89.179%	0.133	0.121	94.500%	-0.006	-0.003	0.002	-0.006
3	19:29:50	87.465%	0.133	0.126	92.878%	-0.008	-0.004	-0.056	-0.042
x		87.777%	0.149	0.151	93.444%	-0.006	-0.004	-0.017	-0.016
σ		1.275%	0.027	0.048	0.915%	0.002	0.001	0.034	0.022
%RSD		1.452	18.340	31.690	0.979	26.960	30.010	200.800	142.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:23	85.272%	0.083	0.024	0.024	-0.012	-0.001	89.852%	90.512%
2	19:29:06	88.294%	-0.034	0.018	0.011	-0.005	-0.008	93.542%	94.873%
3	19:29:50	86.949%	-0.093	0.006	0.008	-0.005	-0.006	92.717%	92.793%
x		86.838%	-0.014	0.016	0.014	-0.007	-0.005	92.037%	92.726%
σ		1.514%	0.090	0.009	0.008	0.004	0.004	1.937%	2.181%
%RSD		1.743	623.000	56.940	60.200	52.810	67.780	2.104	2.352

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:23	-0.001	0.001	0.107	0.086	0.101	96.120%
2	19:29:06	-0.004	-0.006	0.083	0.069	0.075	99.881%
3	19:29:50	-0.002	-0.002	0.071	0.061	0.065	98.542%
x		-0.002	-0.002	0.087	0.072	0.080	98.181%
σ		0.002	0.003	0.018	0.013	0.019	1.906%
%RSD		68.330	136.700	20.940	17.620	23.160	1.942

240-18544-J-3-A 12/27/2012 7:32:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:44	75.071%	3.532	28.020	28.910	0.000	517.100	29080.000	30600.000
2	19:33:27	74.060%	3.515	28.260	30.230	0.000	511.400	29970.000	31160.000
3	19:34:10	73.545%	3.610	29.570	29.850	0.000	507.200	29480.000	31280.000
x		74.225%	3.552	28.620	29.670	0.000	511.900	29510.000	31010.000
σ		0.777%	0.051	0.832	0.680	0.000	4.987	444.600	363.400
%RSD		1.046	1.429	2.908	2.292	0.000	0.974	1.506	1.172

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:44	52390.000	1541.000	0.000	10260.000	162800.000	174000.000	85.664%	253.500
2	19:33:27	53550.000	1463.000	0.000	10340.000	163100.000	175300.000	85.790%	257.100
3	19:34:10	54110.000	1631.000	0.000	10370.000	164800.000	175300.000	85.504%	261.000
x		53350.000	1545.000	0.000	10320.000	163600.000	174800.000	85.653%	257.200
σ		877.900	84.340	0.000	58.000	1105.000	722.600	0.144%	3.751
%RSD		1.646	5.459	0.000	0.562	0.675	0.413	0.168	1.458

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:44	98.710	88.330	2137.000	170000.000	170300.000	59.760	138.200	126.900
2	19:33:27	100.300	89.980	2170.000	172400.000	173800.000	60.920	140.700	128.800
3	19:34:10	100.400	90.490	2183.000	173000.000	173400.000	61.540	140.800	130.400
x		99.830	89.600	2164.000	171800.000	172500.000	60.740	139.900	128.700
σ		0.976	1.130	23.670	1541.000	1919.000	0.907	1.497	1.763
%RSD		0.978	1.261	1.094	0.897	1.112	1.494	1.070	1.370

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:44	126.600	470.600	477.800	91.060	2.758	3.262	0.000	166.600
2	19:33:27	129.000	481.500	492.200	93.360	2.747	3.813	0.000	169.200
3	19:34:10	129.900	485.200	489.200	93.590	2.690	3.804	0.000	168.100
x		128.500	479.100	486.400	92.670	2.732	3.626	0.000	168.000
σ		1.702	7.558	7.565	1.396	0.036	0.316	0.000	1.266
%RSD		1.324	1.578	1.555	1.507	1.321	8.700	0.000	0.753

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:44	0.000	3.913	3.981	74.657%	0.267	0.158	1.134	0.855
2	19:33:27	0.000	3.987	3.930	75.579%	0.263	0.175	1.055	0.810
3	19:34:10	0.000	4.006	4.041	76.576%	0.267	0.172	1.191	0.913
x		0.000	3.969	3.984	75.604%	0.266	0.168	1.127	0.859
σ		0.000	0.049	0.056	0.960%	0.002	0.009	0.069	0.052
%RSD		0.000	1.238	1.401	1.269	0.836	5.531	6.083	6.052

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:44	78.794%	7.569	0.609	0.623	187.700	187.300	88.853%	87.669%
2	19:33:27	81.099%	7.489	0.592	0.621	188.700	190.800	90.035%	90.095%
3	19:34:10	81.910%	7.398	0.573	0.632	186.700	189.600	91.944%	91.106%
x		80.601%	7.486	0.591	0.625	187.700	189.200	90.277%	89.623%
σ		1.617%	0.086	0.018	0.006	1.006	1.786	1.560%	1.766%
%RSD		2.006	1.144	3.056	0.981	0.536	0.944	1.728	1.971

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:44	0.791	0.751	94.340	93.420	93.730	78.505%
2	19:33:27	0.784	0.823	96.860	96.320	96.430	79.965%
3	19:34:10	0.814	0.805	96.830	96.390	96.460	80.799%
x		0.796	0.793	96.010	95.380	95.540	79.756%
σ		0.016	0.038	1.448	1.694	1.569	1.161%
%RSD		2.027	4.762	1.508	1.776	1.642	1.456

240-18441-D-29-A 12/27/2012 7:36:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:04	84.725%	1.351	16.640	17.380	0.000	388.100	6027.000	6343.000
2	19:37:47	81.476%	1.355	16.020	17.080	0.000	401.300	6346.000	6656.000
3	19:38:30	82.135%	1.311	15.650	16.660	0.000	386.500	5853.000	6286.000
x		82.779%	1.339	16.100	17.040	0.000	392.000	6075.000	6428.000
σ		1.717%	0.025	0.499	0.362	0.000	8.151	250.000	199.400
%RSD		2.075	1.833	3.100	2.124	0.000	2.080	4.114	3.102

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:04	23470.000	1270.000	0.000	4095.000	29420.000	31530.000	92.543%	242.300
2	19:37:47	24810.000	1420.000	0.000	4257.000	30530.000	32860.000	89.916%	251.800
3	19:38:30	23220.000	1299.000	0.000	4005.000	29030.000	31170.000	91.814%	239.100
x		23830.000	1330.000	0.000	4119.000	29660.000	31850.000	91.425%	244.400
σ		855.900	79.850	0.000	127.800	777.300	887.800	1.356%	6.600
%RSD		3.591	6.006	0.000	3.103	2.621	2.787	1.483	2.701

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:04	34.690	40.980	789.900	46990.000	46210.000	16.660	38.980	42.060
2	19:37:47	35.590	42.390	812.200	48390.000	47120.000	17.280	39.980	42.770
3	19:38:30	34.500	40.280	775.200	46000.000	45260.000	16.480	38.140	41.530
x		34.920	41.220	792.500	47130.000	46200.000	16.800	39.030	42.120
σ		0.583	1.074	18.640	1204.000	933.000	0.418	0.918	0.623
%RSD		1.668	2.605	2.352	2.556	2.020	2.491	2.352	1.479

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:04	41.270	138.900	139.600	23.950	0.600	0.075	0.000	86.220
2	19:37:47	43.000	144.400	144.200	24.480	0.383	1.107	0.000	89.660
3	19:38:30	40.790	138.300	136.700	24.120	0.505	-0.045	0.000	86.960
x		41.690	140.500	140.200	24.180	0.496	0.379	0.000	87.610
σ		1.164	3.352	3.778	0.271	0.109	0.633	0.000	1.812
%RSD		2.793	2.385	2.696	1.122	22.000	167.100	0.000	2.069

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:04	100.106%	3.450	3.591	83.935%	0.077	0.057	0.650	0.559
2	19:37:47	98.969%	3.540	3.699	82.467%	0.106	0.059	0.564	0.531
3	19:38:30	99.356%	3.487	3.662	83.922%	0.084	0.053	0.668	0.525
x		99.477%	3.492	3.651	83.441%	0.089	0.056	0.627	0.538
σ		0.578%	0.045	0.055	0.844%	0.015	0.003	0.056	0.018
%RSD		0.581	1.293	1.503	1.011	17.170	5.316	8.881	3.359

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:04	85.592%	7.208	0.352	0.352	150.000	149.700	91.868%	91.372%
2	19:37:47	84.159%	7.616	0.377	0.401	156.000	156.900	91.724%	91.703%
3	19:38:30	86.429%	7.394	0.360	0.375	149.300	150.400	93.891%	93.668%
x		85.393%	7.406	0.363	0.376	151.800	152.400	92.494%	92.248%
σ		1.148%	0.204	0.013	0.024	3.668	3.938	1.212%	1.241%
%RSD		1.344	2.755	3.495	6.486	2.417	2.585	1.310	1.345

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:04	0.305	0.303	42.030	41.210	41.340	88.222%
2	19:37:47	0.324	0.333	44.270	43.130	43.350	88.570%
3	19:38:30	0.323	0.316	42.680	41.340	41.550	90.195%
x		0.317	0.318	42.990	41.890	42.080	88.996%
σ		0.011	0.015	1.155	1.074	1.105	1.053%
%RSD		3.386	4.745	2.688	2.565	2.626	1.184

240-18544-I-4-A 12/27/2012 7:40:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:41:24	75.138%	4.455	25.660	26.340	0.000	326.500	22370.000	23400.000
2	19:42:07	72.754%	4.214	24.870	25.480	0.000	319.900	21720.000	22970.000
3	19:42:50	70.493%	4.334	26.860	26.460	0.000	317.900	22180.000	23250.000
x		72.795%	4.334	25.800	26.090	0.000	321.500	22090.000	23210.000
σ		2.323%	0.121	1.002	0.534	0.000	4.503	336.100	219.300
%RSD		3.191	2.779	3.886	2.048	0.000	1.401	1.521	0.945

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:41:24	69590.000	1453.000	0.000	12130.000	14680.000	15450.000	86.685%	187.600
2	19:42:07	67610.000	1459.000	0.000	11860.000	14300.000	15170.000	83.675%	183.500
3	19:42:50	68130.000	1430.000	0.000	11790.000	14320.000	15280.000	81.201%	184.100
x		68440.000	1447.000	0.000	11930.000	14440.000	15300.000	83.854%	185.100
σ		1027.000	14.970	0.000	178.700	214.200	142.200	2.746%	2.192
%RSD		1.500	1.034	0.000	1.498	1.484	0.930	3.275	1.184

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:41:24	105.500	135.900	2640.000	240300.000	244100.000	75.220	200.400	183.800
2	19:42:07	104.100	133.900	2619.000	239700.000	243700.000	74.840	200.300	181.100
3	19:42:50	103.300	134.600	2629.000	238600.000	240700.000	74.780	201.400	181.300
x		104.300	134.800	2629.000	239500.000	242800.000	74.950	200.700	182.100
σ		1.137	1.017	10.820	870.600	1838.000	0.237	0.590	1.535
%RSD		1.090	0.754	0.411	0.363	0.757	0.317	0.294	0.843

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:41:24	185.000	834.600	843.800	169.200	2.105	2.938	0.000	121.200
2	19:42:07	184.000	835.200	843.900	168.000	1.927	2.520	0.000	123.600
3	19:42:50	178.600	836.100	845.100	166.800	1.693	2.240	0.000	121.600
x		182.500	835.300	844.300	168.000	1.908	2.566	0.000	122.100
σ		3.435	0.725	0.709	1.202	0.207	0.351	0.000	1.290
%RSD		1.882	0.087	0.084	0.715	10.830	13.690	0.000	1.056

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:41:24	0.000	5.573	5.793	74.819%	0.507	0.428	2.101	1.817
2	19:42:07	0.000	5.506	5.745	72.865%	0.479	0.419	2.025	1.796
3	19:42:50	0.000	5.531	5.626	72.006%	0.470	0.396	2.359	1.966
x		0.000	5.537	5.721	73.230%	0.485	0.414	2.162	1.860
σ		0.000	0.034	0.086	1.441%	0.019	0.016	0.175	0.093
%RSD		0.000	0.619	1.505	1.968	3.998	3.945	8.091	4.977

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:41:24	78.102%	8.579	0.590	0.597	338.200	337.100	87.142%	86.457%
2	19:42:07	77.441%	8.694	0.633	0.639	333.200	338.200	87.268%	86.994%
3	19:42:50	75.811%	8.632	0.588	0.606	333.700	335.500	86.139%	86.038%
x		77.118%	8.635	0.603	0.614	335.000	336.900	86.850%	86.496%
σ		1.179%	0.058	0.025	0.022	2.761	1.383	0.619%	0.479%
%RSD		1.529	0.668	4.194	3.618	0.824	0.410	0.712	0.554

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:41:24	1.386	1.367	141.500	139.300	140.200	77.148%
2	19:42:07	1.366	1.405	143.200	142.600	142.300	77.209%
3	19:42:50	1.318	1.361	142.700	141.500	141.500	77.094%
x		1.357	1.378	142.400	141.100	141.300	77.151%
σ		0.035	0.024	0.879	1.705	1.076	0.057%
%RSD		2.601	1.753	0.617	1.208	0.761	0.074

240-18544-I-5-A 12/27/2012 7:45:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:44	77.487%	3.910	31.280	32.070	0.000	386.100	27070.000	28510.000
2	19:46:27	78.439%	3.798	30.390	31.860	0.000	374.200	26120.000	27700.000
3	19:47:10	75.788%	3.918	32.060	33.450	0.000	393.300	27540.000	29020.000
x		77.238%	3.875	31.240	32.460	0.000	384.500	26910.000	28410.000
σ		1.343%	0.067	0.832	0.866	0.000	9.645	721.900	663.400
%RSD		1.738	1.737	2.664	2.667	0.000	2.508	2.683	2.335

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:44	59330.000	1489.000	0.000	11070.000	71830.000	76850.000	88.615%	408.000
2	19:46:27	57350.000	1441.000	0.000	10730.000	69980.000	73890.000	88.876%	393.900
3	19:47:10	59560.000	1499.000	0.000	11030.000	71180.000	75200.000	90.342%	399.400
x		58750.000	1476.000	0.000	10940.000	71000.000	75310.000	89.277%	400.400
σ		1213.000	30.880	0.000	187.200	936.800	1488.000	0.931%	7.135
%RSD		2.065	2.091	0.000	1.711	1.320	1.975	1.043	1.782

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:44	112.400	98.890	3089.000	189300.000	189600.000	76.490	173.900	162.300
2	19:46:27	108.300	94.540	2970.000	183400.000	184600.000	73.960	168.400	158.500
3	19:47:10	110.800	97.760	3048.000	188200.000	189100.000	76.290	172.100	162.000
x		110.500	97.060	3036.000	187000.000	187700.000	75.580	171.500	160.900
σ		2.029	2.255	60.330	3135.000	2723.000	1.406	2.797	2.097
%RSD		1.836	2.323	1.987	1.677	1.450	1.861	1.631	1.303

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:44	162.100	604.000	610.300	90.670	1.454	1.534	0.000	242.300
2	19:46:27	157.200	590.900	598.300	89.600	1.088	2.295	0.000	235.700
3	19:47:10	161.500	601.400	609.300	91.920	1.549	2.199	0.000	243.500
x		160.300	598.700	606.000	90.730	1.364	2.009	0.000	240.500
σ		2.651	6.922	6.677	1.161	0.243	0.414	0.000	4.191
%RSD		1.654	1.156	1.102	1.280	17.840	20.620	0.000	1.743

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:44	0.000	6.788	6.685	76.474%	0.302	0.216	1.751	1.462
2	19:46:27	0.000	6.479	6.703	79.228%	0.273	0.200	1.750	1.445
3	19:47:10	0.000	6.935	6.933	78.562%	0.296	0.220	1.743	1.473
x		0.000	6.734	6.774	78.088%	0.290	0.212	1.748	1.460
σ		0.000	0.233	0.138	1.437%	0.016	0.011	0.004	0.014
%RSD		0.000	3.456	2.037	1.840	5.359	4.976	0.240	0.970

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:44	80.029%	6.863	0.672	0.632	241.400	242.500	88.580%	88.136%
2	19:46:27	83.540%	6.710	0.622	0.721	233.600	233.200	93.482%	92.872%
3	19:47:10	82.847%	6.880	0.667	0.681	239.500	242.700	92.464%	92.004%
x		82.139%	6.818	0.654	0.678	238.200	239.500	91.508%	91.004%
σ		1.860%	0.094	0.027	0.044	4.053	5.401	2.587%	2.521%
%RSD		2.264	1.373	4.205	6.550	1.701	2.256	2.827	2.770

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:44	1.158	1.159	175.600	173.400	173.900	78.523%
2	19:46:27	1.122	1.121	166.900	166.100	166.400	83.805%
3	19:47:10	1.168	1.158	174.300	172.600	173.600	82.457%
x		1.149	1.146	172.300	170.700	171.300	81.595%
σ		0.025	0.022	4.666	4.025	4.239	2.745%
%RSD		2.135	1.921	2.708	2.358	2.475	3.364

MB 180-59179/1-A 12/27/2012 7:53:00 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:43	89.876%	0.002	0.507	0.582	0.000	1.061	3.135	3.549
2	19:54:27	89.490%	0.001	0.342	0.609	0.000	1.038	4.973	4.976
3	19:55:10	91.437%	-0.014	0.345	0.481	0.000	1.018	4.826	5.123
x		90.268%	-0.004	0.398	0.557	0.000	1.039	4.312	4.549
σ		1.031%	0.009	0.094	0.067	0.000	0.022	1.021	0.869
%RSD		1.142	242.500	23.700	12.070	0.000	2.075	23.690	19.110

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:43	6.038	2.832	0.000	-8.366	23.030	20.830	113.915%	0.053
2	19:54:27	8.734	0.666	0.000	-7.883	26.000	22.420	110.549%	0.015
3	19:55:10	8.937	0.889	0.000	-8.020	16.750	26.370	109.442%	-0.000
x		7.903	1.463	0.000	-8.090	21.930	23.210	111.302%	0.022
σ		1.618	1.191	0.000	0.249	4.723	2.849	2.330%	0.027
%RSD		20.480	81.430	0.000	3.079	21.540	12.280	2.093	121.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:43	-0.249	0.005	0.191	20.410	34.370	-0.008	0.027	0.027
2	19:54:27	-0.030	0.004	0.347	25.760	38.380	-0.003	0.044	0.044
3	19:55:10	-0.081	0.024	0.376	25.240	37.890	0.001	0.041	0.040
x		-0.120	0.011	0.305	23.800	36.880	-0.003	0.037	0.037
σ		0.115	0.011	0.100	2.953	2.189	0.005	0.009	0.009
%RSD		95.330	100.900	32.680	12.410	5.935	147.000	24.590	23.600

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:43	0.032	0.045	-0.050	-0.233	-0.438	-0.963	0.000	0.041
2	19:54:27	0.057	-0.120	0.027	-0.112	-0.425	-0.554	0.000	0.045
3	19:55:10	0.050	-0.007	-0.065	-0.132	-0.461	-0.154	0.000	0.044
x		0.046	-0.027	-0.029	-0.159	-0.441	-0.557	0.000	0.043
σ		0.013	0.085	0.050	0.065	0.018	0.405	0.000	0.002
%RSD		27.860	310.400	170.100	40.680	4.193	72.680	0.000	4.839

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:43	92.694%	0.022	0.017	97.008%	-0.006	-0.004	-0.049	-0.022
2	19:54:27	92.145%	0.024	0.028	95.089%	-0.003	-0.005	0.026	0.012
3	19:55:10	92.373%	0.008	0.020	95.062%	-0.003	-0.005	-0.037	-0.013
x		92.404%	0.018	0.022	95.720%	-0.004	-0.005	-0.020	-0.008
σ		0.276%	0.009	0.006	1.116%	0.002	0.001	0.040	0.018
%RSD		0.298	48.860	25.590	1.166	43.750	17.760	199.300	238.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:43	89.600%	1.388	-0.011	-0.012	0.035	0.044	93.243%	93.802%
2	19:54:27	89.429%	1.560	-0.011	-0.006	0.064	0.044	93.455%	94.199%
3	19:55:10	89.679%	1.439	-0.009	-0.002	0.074	0.064	94.412%	94.636%
x		89.569%	1.463	-0.010	-0.007	0.058	0.051	93.704%	94.212%
σ		0.127%	0.089	0.001	0.005	0.021	0.012	0.623%	0.417%
%RSD		0.142	6.060	14.010	73.290	35.620	23.240	0.665	0.443

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:43	-0.005	-0.008	0.108	0.080	0.085	99.021%
2	19:54:27	-0.006	-0.007	0.081	0.073	0.081	98.097%
3	19:55:10	-0.001	-0.005	0.063	0.062	0.071	98.235%
x		-0.004	-0.006	0.084	0.072	0.079	98.451%
σ		0.002	0.002	0.022	0.009	0.007	0.498%
%RSD		63.260	26.440	26.790	12.230	9.448	0.506

LCS 180-59179/2-A 12/27/2012 7:57:20 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:03	79.566%	863.100	79.760	82.450	0.000	8809.000	8678.000	9065.000
2	19:58:46	77.566%	860.400	80.180	82.840	0.000	8762.000	8710.000	9106.000
3	19:59:29	74.944%	873.200	83.210	88.870	0.000	8943.000	8890.000	9384.000
x		77.359%	865.600	81.050	84.720	0.000	8838.000	8759.000	9185.000
σ		2.318%	6.752	1.885	3.596	0.000	94.100	114.300	173.500
%RSD		2.996	0.780	2.325	4.244	0.000	1.065	1.305	1.889

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:03	8930.000	24.970	0.000	8856.000	9543.000	9733.000	88.564%	91.080
2	19:58:46	9075.000	23.040	0.000	8792.000	9594.000	9946.000	86.882%	88.890
3	19:59:29	9260.000	23.390	0.000	8941.000	10020.000	10030.000	86.517%	90.160
x		9088.000	23.800	0.000	8863.000	9719.000	9905.000	87.321%	90.040
σ		165.100	1.029	0.000	75.030	262.700	155.100	1.091%	1.100
%RSD		1.816	4.325	0.000	0.847	2.703	1.566	1.250	1.222

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:03	870.900	880.700	943.900	9566.000	9648.000	869.100	903.800	913.700
2	19:58:46	867.700	896.200	960.900	9753.000	9883.000	878.300	910.500	935.300
3	19:59:29	875.100	896.700	961.400	9631.000	9793.000	869.200	903.100	924.900
x		871.200	891.200	955.400	9650.000	9774.000	872.200	905.800	924.700
σ		3.675	9.092	9.964	94.570	118.700	5.298	4.060	10.760
%RSD		0.422	1.020	1.043	0.980	1.214	0.607	0.448	1.164

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:03	913.700	877.900	877.700	833.300	807.800	809.500	0.000	865.500
2	19:58:46	928.000	895.800	901.000	848.800	830.800	822.600	0.000	872.300
3	19:59:29	908.700	883.000	891.500	839.200	818.500	830.300	0.000	876.400
x		916.800	885.600	890.100	840.400	819.000	820.800	0.000	871.400
σ		10.020	9.246	11.740	7.846	11.480	10.520	0.000	5.499
%RSD		1.092	1.044	1.319	0.934	1.402	1.282	0.000	0.631

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:03	79.306%	84.510	84.520	82.462%	88.130	89.510	832.200	851.300
2	19:58:46	79.060%	87.660	85.460	82.041%	89.250	90.690	843.300	862.500
3	19:59:29	79.556%	86.330	87.360	82.872%	89.220	89.550	842.300	866.500
x		79.307%	86.170	85.780	82.458%	88.860	89.920	839.300	860.100
σ		0.248%	1.582	1.447	0.415%	0.639	0.672	6.131	7.868
%RSD		0.313	1.836	1.687	0.504	0.720	0.747	0.731	0.915

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:03	83.838%	95.920	82.260	82.340	817.400	819.700	89.654%	90.135%
2	19:58:46	84.697%	97.780	82.860	82.370	823.900	830.100	90.639%	91.529%
3	19:59:29	84.795%	97.950	82.790	83.350	819.500	821.900	92.151%	92.583%
x		84.443%	97.210	82.640	82.680	820.300	823.900	90.815%	91.416%
σ		0.526%	1.124	0.331	0.576	3.338	5.496	1.258%	1.228%
%RSD		0.623	1.156	0.400	0.697	0.407	0.667	1.385	1.343

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:03	209.500	209.100	834.100	878.400	840.700	81.948%
2	19:58:46	215.600	216.200	856.400	902.400	862.200	82.366%
3	19:59:29	213.800	213.900	846.400	894.400	852.200	83.754%
x		213.000	213.000	845.600	891.700	851.700	82.689%
σ		3.115	3.606	11.140	12.230	10.720	0.945%
%RSD		1.463	1.693	1.318	1.372	1.259	1.143

240-18544-N-7-A 12/27/2012 8:04:35 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:18	77.022%	4.798	16.600	17.320	0.000	270.400	20490.000	21450.000
2	20:06:01	73.712%	4.738	16.510	17.360	0.000	269.000	20440.000	21480.000
3	20:06:44	71.830%	4.524	15.810	17.060	0.000	268.100	20340.000	21440.000
x		74.188%	4.687	16.310	17.250	0.000	269.200	20420.000	21460.000
σ		2.628%	0.144	0.433	0.165	0.000	1.158	73.720	22.440
%RSD		3.543	3.075	2.658	0.956	0.000	0.430	0.361	0.105

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:18	88030.000	1783.000	0.000	9462.000	8482.000	8941.000	85.953%	454.900
2	20:06:01	88040.000	1671.000	0.000	9373.000	8544.000	8920.000	81.359%	456.400
3	20:06:44	87720.000	1751.000	0.000	9228.000	8435.000	8765.000	79.055%	452.700
x		87930.000	1735.000	0.000	9354.000	8487.000	8875.000	82.122%	454.700
σ		183.800	57.400	0.000	118.100	54.700	96.470	3.512%	1.883
%RSD		0.209	3.308	0.000	1.263	0.644	1.087	4.276	0.414

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:18	156.200	159.100	3292.000	273500.000	280500.000	80.800	190.700	178.500
2	20:06:01	157.900	157.100	3272.000	276000.000	278100.000	80.380	192.000	177.700
3	20:06:44	157.900	155.700	3270.000	274000.000	278000.000	79.810	190.700	177.600
x		157.300	157.300	3278.000	274500.000	278900.000	80.330	191.100	177.900
σ		0.977	1.708	12.220	1320.000	1394.000	0.500	0.755	0.513
%RSD		0.621	1.086	0.373	0.481	0.500	0.622	0.395	0.288

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:18	177.100	632.700	637.300	150.000	4.223	6.030	0.000	51.140
2	20:06:01	177.900	635.300	643.000	151.700	3.708	4.370	0.000	51.530
3	20:06:44	176.700	632.900	644.300	149.000	3.151	5.288	0.000	51.670
x		177.200	633.600	641.500	150.200	3.694	5.229	0.000	51.450
σ		0.594	1.491	3.742	1.394	0.536	0.831	0.000	0.272
%RSD		0.335	0.235	0.583	0.928	14.510	15.900	0.000	0.529

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:18	0.000	11.610	11.650	73.246%	0.202	0.146	1.860	1.420
2	20:06:01	0.000	11.610	11.730	69.870%	0.221	0.140	1.678	1.305
3	20:06:44	0.000	11.660	12.080	69.119%	0.216	0.122	1.698	1.371
x		0.000	11.630	11.820	70.745%	0.213	0.136	1.745	1.366
σ		0.000	0.033	0.228	2.198%	0.010	0.012	0.100	0.057
%RSD		0.000	0.284	1.928	3.107	4.769	9.005	5.726	4.196

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:18	75.608%	13.800	1.294	1.240	387.400	386.400	86.039%	85.149%
2	20:06:01	73.304%	13.410	1.322	1.299	384.700	385.800	85.548%	83.791%
3	20:06:44	73.214%	13.360	1.260	1.260	383.900	385.300	83.854%	82.726%
x		74.042%	13.520	1.292	1.266	385.300	385.900	85.147%	83.888%
σ		1.357%	0.246	0.031	0.030	1.818	0.580	1.146%	1.215%
%RSD		1.833	1.821	2.396	2.402	0.472	0.150	1.346	1.448

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:05:18	1.583	1.630	188.100	184.400	186.100	73.959%
2	20:06:01	1.540	1.562	190.400	186.300	187.700	73.150%
3	20:06:44	1.536	1.516	189.900	185.700	187.600	72.838%
x		1.553	1.569	189.500	185.500	187.200	73.316%
σ		0.026	0.057	1.222	0.961	0.916	0.578%
%RSD		1.662	3.658	0.645	0.518	0.489	0.789

240-18544-N-7-A SD@5 12/27/2012 8:08:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	73.754%	0.865	3.654	3.936	0.000	50.340	3996.000	4157.000
2	20:10:18	72.013%	1.044	3.973	4.275	0.000	52.480	4214.000	4371.000
3	20:11:01	72.576%	1.041	3.781	3.822	0.000	49.920	4151.000	4336.000
x		72.781%	0.983	3.803	4.011	0.000	50.910	4120.000	4288.000
σ		0.889%	0.103	0.161	0.236	0.000	1.371	112.300	114.600
%RSD		1.221	10.460	4.235	5.874	0.000	2.693	2.727	2.672

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	16990.000	356.900	0.000	1766.000	1651.000	1669.000	83.654%	86.650
2	20:10:18	17850.000	371.900	0.000	1854.000	1626.000	1778.000	80.792%	90.210
3	20:11:01	17590.000	370.100	0.000	1880.000	1695.000	1804.000	80.047%	88.730
x		17470.000	366.300	0.000	1833.000	1657.000	1750.000	81.498%	88.530
σ		441.800	8.216	0.000	59.860	34.660	71.690	1.904%	1.790
%RSD		2.529	2.243	0.000	3.265	2.091	4.096	2.337	2.022

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	28.970	29.150	614.900	53560.000	52210.000	14.770	36.130	33.800
2	20:10:18	30.560	30.320	644.500	55890.000	54650.000	15.460	38.180	36.250
3	20:11:01	30.170	30.350	643.200	54930.000	53810.000	15.400	37.470	35.770
x		29.900	29.940	634.200	54790.000	53560.000	15.210	37.260	35.270
σ		0.829	0.685	16.700	1168.000	1237.000	0.379	1.039	1.299
%RSD		2.774	2.289	2.634	2.133	2.311	2.493	2.787	3.683

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	33.650	133.000	133.600	28.730	0.042	-0.193	0.000	8.473
2	20:10:18	35.720	141.000	140.300	31.170	-0.054	0.221	0.000	8.834
3	20:11:01	34.870	139.400	139.600	30.970	0.139	0.005	0.000	8.960
x		34.750	137.800	137.800	30.290	0.042	0.011	0.000	8.756
σ		1.038	4.229	3.654	1.353	0.096	0.207	0.000	0.253
%RSD		2.986	3.069	2.651	4.466	227.100	1905.000	0.000	2.884

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	87.471%	2.013	1.968	78.060%	0.038	0.021	0.263	0.223
2	20:10:18	86.845%	2.180	2.124	77.001%	0.038	0.015	0.315	0.254
3	20:11:01	86.542%	2.062	2.192	76.229%	0.038	0.015	0.245	0.199
x		86.953%	2.085	2.095	77.097%	0.038	0.017	0.275	0.225
σ		0.473%	0.086	0.115	0.919%	0.000	0.003	0.036	0.027
%RSD		0.544	4.120	5.501	1.192	0.180	20.120	13.250	12.020

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	80.200%	2.391	0.195	0.252	72.340	73.350	86.926%	87.835%
2	20:10:18	79.241%	2.477	0.242	0.273	76.210	77.110	86.479%	87.704%
3	20:11:01	78.658%	2.478	0.264	0.302	76.970	77.400	87.094%	87.669%
x		79.366%	2.449	0.234	0.276	75.170	75.950	86.833%	87.736%
σ		0.778%	0.050	0.035	0.025	2.485	2.261	0.318%	0.087%
%RSD		0.980	2.053	15.040	9.219	3.306	2.977	0.366	0.100

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	0.296	0.295	34.120	33.730	33.880	85.010%
2	20:10:18	0.319	0.317	37.110	36.110	36.460	84.005%
3	20:11:01	0.313	0.293	37.070	36.240	36.360	84.101%
x		0.309	0.302	36.100	35.360	35.560	84.372%
σ		0.012	0.013	1.713	1.413	1.460	0.555%
%RSD		3.724	4.447	4.744	3.997	4.106	0.658

240-18544-N-7-B DU 12/27/2012 8:13:10 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:53	68.397%	5.173	22.970	24.470	0.000	316.100	21440.000	22470.000
2	20:14:36	67.353%	5.445	24.270	25.120	0.000	324.900	21760.000	22840.000
3	20:15:19	66.240%	5.265	23.760	25.900	0.000	331.500	22210.000	23300.000
x		67.330%	5.294	23.670	25.160	0.000	324.200	21800.000	22870.000
σ		1.079%	0.138	0.653	0.718	0.000	7.747	382.700	415.600
%RSD		1.602	2.612	2.760	2.852	0.000	2.390	1.755	1.817
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:53	98210.000	1815.000	0.000	11080.000	8757.000	9089.000	78.281%	454.100
2	20:14:36	99930.000	1928.000	0.000	11430.000	8846.000	9384.000	77.249%	459.800
3	20:15:19	101100.000	1947.000	0.000	11300.000	8791.000	9305.000	77.112%	464.200
x		99750.000	1897.000	0.000	11270.000	8798.000	9259.000	77.547%	459.300
σ		1462.000	71.580	0.000	177.800	44.880	152.600	0.639%	5.063
%RSD		1.466	3.774	0.000	1.578	0.510	1.648	0.824	1.102
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:53	171.000	161.500	3309.000	271000.000	270800.000	81.950	191.300	177.800
2	20:14:36	176.500	163.900	3348.000	273900.000	276800.000	83.820	196.400	182.300
3	20:15:19	176.300	162.900	3343.000	274400.000	275800.000	83.880	197.600	182.500
x		174.600	162.700	3334.000	273100.000	274500.000	83.220	195.100	180.800
σ		3.124	1.195	21.370	1854.000	3181.000	1.096	3.373	2.642
%RSD		1.789	0.734	0.641	0.679	1.159	1.317	1.729	1.461
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:53	177.100	666.500	673.200	153.000	3.010	4.230	0.000	59.530
2	20:14:36	182.900	681.800	694.300	156.200	3.070	4.354	0.000	61.510
3	20:15:19	181.500	681.200	688.300	156.300	3.107	4.030	0.000	60.780
x		180.500	676.500	685.300	155.200	3.062	4.205	0.000	60.610
σ		2.993	8.653	10.900	1.866	0.049	0.164	0.000	1.002
%RSD		1.658	1.279	1.591	1.203	1.601	3.892	0.000	1.654
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:53	0.000	10.840	11.250	68.475%	0.242	0.133	1.711	1.399
2	20:14:36	0.000	11.290	11.440	68.025%	0.215	0.139	1.671	1.284
3	20:15:19	0.000	11.600	11.620	67.416%	0.250	0.146	1.776	1.412
x		0.000	11.250	11.440	67.972%	0.236	0.140	1.719	1.365
σ		0.000	0.382	0.184	0.531%	0.018	0.007	0.053	0.070
%RSD		0.000	3.400	1.605	0.782	7.809	4.714	3.085	5.151
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:53	72.212%	13.420	1.340	1.349	413.800	414.900	83.638%	82.240%
2	20:14:36	71.742%	13.500	1.323	1.422	423.600	423.600	84.100%	82.350%
3	20:15:19	71.906%	13.210	1.391	1.389	422.800	421.900	83.716%	82.497%
x		71.953%	13.370	1.351	1.387	420.100	420.100	83.818%	82.362%
σ		0.239%	0.151	0.035	0.036	5.459	4.596	0.247%	0.129%
%RSD		0.332	1.130	2.603	2.631	1.299	1.094	0.295	0.157
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:13:53	1.471	1.492	237.100	231.600	233.400	73.015%		
2	20:14:36	1.497	1.523	242.300	237.600	239.400	73.027%		
3	20:15:19	1.527	1.518	244.100	238.600	240.600	73.061%		
x		1.499	1.511	241.200	235.900	237.800	73.034%		
σ		0.028	0.016	3.635	3.788	3.858	0.024%		
%RSD		1.879	1.091	1.507	1.606	1.622	0.033		

240-18544-N-7-C MS 12/27/2012 8:17:29 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:12	64.830%	91.330	91.600	92.260	0.000	8844.000	31140.000	32650.000
2	20:18:55	62.946%	92.360	91.240	93.470	0.000	9172.000	32370.000	33580.000
3	20:19:38	62.402%	91.130	89.070	93.510	0.000	9002.000	32050.000	33400.000
x		63.393%	91.610	90.640	93.080	0.000	9006.000	31860.000	33210.000
σ		1.274%	0.657	1.365	0.712	0.000	164.000	636.300	494.900
%RSD		2.010	0.717	1.506	0.764	0.000	1.821	1.997	1.490

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:12	116700.000	2975.000	0.000	19230.000	17310.000	18200.000	75.848%	586.000
2	20:18:55	118300.000	2994.000	0.000	19520.000	17260.000	18240.000	74.336%	589.900
3	20:19:38	117400.000	2949.000	0.000	19030.000	17400.000	18140.000	73.184%	582.800
x		117500.000	2973.000	0.000	19260.000	17320.000	18190.000	74.456%	586.200
σ		799.800	22.530	0.000	243.800	74.260	52.910	1.336%	3.571
%RSD		0.681	0.758	0.000	1.266	0.429	0.291	1.794	0.609

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:12	272.800	265.100	3590.000	286700.000	290700.000	173.600	291.300	270.000
2	20:18:55	275.900	264.300	3578.000	285700.000	290400.000	174.600	292.000	270.300
3	20:19:38	275.900	266.100	3621.000	292600.000	294500.000	175.300	294.800	274.000
x		274.900	265.200	3596.000	288300.000	291900.000	174.500	292.700	271.400
σ		1.819	0.933	22.110	3699.000	2292.000	0.810	1.819	2.202
%RSD		0.662	0.352	0.615	1.283	0.785	0.464	0.621	0.811

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:12	268.900	751.900	752.800	228.400	73.810	75.120	0.000	158.400
2	20:18:55	268.200	749.100	762.400	226.900	74.040	76.240	0.000	159.900
3	20:19:38	270.100	759.300	769.000	227.900	74.620	76.160	0.000	159.800
x		269.100	753.400	761.400	227.800	74.160	75.840	0.000	159.400
σ		0.956	5.272	8.167	0.778	0.417	0.624	0.000	0.862
%RSD		0.355	0.700	1.073	0.342	0.562	0.822	0.000	0.541

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:12	0.000	95.640	95.960	63.619%	86.700	86.700	84.230	83.970
2	20:18:55	0.000	95.950	97.220	63.257%	87.130	86.920	84.150	83.900
3	20:19:38	0.000	97.470	97.810	63.228%	86.610	85.590	84.480	83.350
x		0.000	96.350	97.000	63.368%	86.810	86.400	84.290	83.740
σ		0.000	0.978	0.948	0.218%	0.280	0.710	0.175	0.343
%RSD		0.000	1.015	0.978	0.343	0.322	0.821	0.207	0.410

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:12	70.091%	86.220	26.210	26.540	488.600	487.900	79.800%	79.513%
2	20:18:55	70.597%	87.170	26.820	26.660	492.500	492.600	81.714%	80.004%
3	20:19:38	70.749%	87.040	26.430	26.470	488.300	491.700	81.726%	80.500%
x		70.479%	86.810	26.490	26.560	489.800	490.700	81.080%	80.005%
σ		0.345%	0.518	0.310	0.097	2.337	2.514	1.108%	0.494%
%RSD		0.489	0.596	1.171	0.366	0.477	0.512	1.367	0.617

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:12	83.930	84.240	280.400	280.900	280.200	68.502%
2	20:18:55	84.020	84.740	283.100	283.100	281.600	70.282%
3	20:19:38	84.390	84.820	282.300	283.400	281.500	70.469%
x		84.110	84.600	281.900	282.500	281.100	69.751%
σ		0.248	0.318	1.376	1.340	0.758	1.086%
%RSD		0.294	0.376	0.488	0.474	0.270	1.557

CCV 664806 12/27/2012 8:24:44 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:27	74.259%	100.800	93.430	95.280	0.000	48370.000	47470.000	48750.000
2	20:26:10	72.376%	99.300	94.400	97.140	0.000	47910.000	47140.000	48510.000
3	20:26:53	73.096%	100.100	95.570	96.500	0.000	49070.000	47750.000	48910.000
x		73.243%	100.082%	94.468%	96.304%	0.000	96.900%	94.905%	97.448%
σ		0.950%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.297	0.767	1.135	0.980	0.000	1.204	0.643	0.410
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:27	521.300	5133.000	0.000	47800.000	47180.000	50430.000	83.442%	98.140
2	20:26:10	511.300	5115.000	0.000	47440.000	47520.000	50000.000	84.533%	98.190
3	20:26:53	519.600	5126.000	0.000	48020.000	47490.000	50460.000	86.148%	97.000
x		103.476%	102.499%	0.000	95.502%	94.793%	100.589%	84.708%	97.777%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.361%	n/a
%RSD		1.037	0.177	0.000	0.615	0.401	0.510	1.607	0.688
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:27	98.370	98.180	523.300	26230.000	25860.000	96.500	97.250	98.250
2	20:26:10	97.890	97.100	522.300	26010.000	25650.000	96.040	95.150	97.720
3	20:26:53	97.770	97.880	523.700	26010.000	25590.000	95.650	96.150	96.930
x		98.010%	97.722%	104.622%	104.328%	102.805%	96.066%	96.184%	97.633%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.327	0.569	0.141	0.477	0.560	0.443	1.095	0.678
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:27	97.760	104.200	104.100	98.720	101.500	102.500	0.000	94.870
2	20:26:10	96.330	104.500	103.200	98.170	101.900	101.400	0.000	95.420
3	20:26:53	97.070	102.800	103.800	98.180	102.500	102.300	0.000	95.140
x		97.052%	103.821%	103.714%	98.359%	101.962%	102.049%	0.000	95.143%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.736	0.839	0.410	0.318	0.532	0.561	0.000	0.288
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:27	77.434%	93.280	94.250	74.903%	96.220	97.520	100.600	103.400
2	20:26:10	79.771%	96.060	96.720	76.560%	96.880	98.200	100.700	103.000
3	20:26:53	81.732%	97.460	97.650	78.369%	96.390	98.020	101.000	102.900
x		79.646%	95.601%	96.208%	76.611%	96.497%	97.913%	100.762%	103.086%
σ		2.152%	n/a	n/a	1.734%	n/a	n/a	n/a	n/a
%RSD		2.702	2.228	1.830	2.263	0.355	0.357	0.247	0.261
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:27	75.008%	98.190	98.310	98.430	96.720	96.870	79.288%	80.183%
2	20:26:10	77.560%	98.230	99.590	98.870	95.610	95.550	82.440%	83.076%
3	20:26:53	79.318%	98.260	99.190	98.240	96.500	96.070	84.751%	85.580%
x		77.295%	98.225%	99.031%	98.514%	96.274%	96.163%	82.160%	82.947%
σ		2.167%	n/a	n/a	n/a	n/a	n/a	2.743%	2.701%
%RSD		2.804	0.037	0.666	0.326	0.609	0.691	3.338	3.256
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:25:27	95.180	95.600	96.400	95.470	95.800	76.181%		
2	20:26:10	95.510	95.280	96.540	95.890	96.110	79.371%		
3	20:26:53	96.130	95.920	96.780	96.510	96.600	80.548%		
x		95.610%	95.600%	96.573%	95.954%	96.170%	78.700%		
σ		n/a	n/a	n/a	n/a	n/a	2.260%		
%RSD		0.504	0.334	0.196	0.545	0.416	2.871		

CCB5 12/27/2012 8:32:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:28	87.908%	0.020	0.465	0.794	0.000	2.753	0.649	0.981
2	20:34:11	86.725%	-0.002	0.457	0.622	0.000	2.359	0.643	0.724
3	20:34:54	84.496%	0.024	0.537	0.663	0.000	2.248	0.752	0.784
x		86.376%	0.014	0.486	0.693	0.000	2.454	0.681	0.830
σ		1.733%	0.014	0.044	0.090	0.000	0.265	0.061	0.134
%RSD		2.006	97.920	9.070	12.970	0.000	10.820	9.001	16.170

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:28	0.182	-0.724	0.000	-5.173	15.790	14.570	92.074%	-0.079
2	20:34:11	0.038	-0.888	0.000	-6.495	20.150	12.920	91.468%	-0.017
3	20:34:54	0.054	0.979	0.000	-7.427	16.240	15.250	90.646%	-0.043
x		0.091	-0.211	0.000	-6.365	17.390	14.250	91.396%	-0.046
σ		0.079	1.033	0.000	1.133	2.401	1.196	0.716%	0.031
%RSD		86.920	489.700	0.000	17.790	13.800	8.391	0.784	66.950

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:28	-0.020	-0.061	0.355	-2.567	10.940	-0.008	-0.002	-0.016
2	20:34:11	-0.036	-0.063	0.319	-5.715	7.504	-0.007	-0.006	-0.014
3	20:34:54	-0.002	-0.077	0.314	-8.471	5.331	-0.009	0.011	-0.035
x		-0.019	-0.067	0.329	-5.584	7.923	-0.008	0.001	-0.022
σ		0.017	0.008	0.023	2.954	2.826	0.001	0.009	0.011
%RSD		87.100	12.620	6.871	52.910	35.670	14.880	1072.000	53.040

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:28	-0.009	0.823	0.709	0.007	-0.214	-0.168	0.000	0.013
2	20:34:11	-0.025	0.573	0.610	-0.003	-0.084	-0.218	0.000	0.014
3	20:34:54	-0.016	0.661	0.568	-0.085	-0.174	-0.616	0.000	0.011
x		-0.017	0.685	0.629	-0.027	-0.158	-0.334	0.000	0.013
σ		0.008	0.127	0.073	0.050	0.067	0.245	0.000	0.002
%RSD		47.900	18.520	11.560	187.300	42.350	73.350	0.000	15.920

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:28	81.253%	0.209	0.227	87.010%	0.002	0.000	-0.017	-0.026
2	20:34:11	81.361%	0.209	0.185	86.386%	-0.003	0.003	-0.058	-0.050
3	20:34:54	81.245%	0.141	0.141	86.590%	-0.009	-0.000	-0.060	-0.050
x		81.286%	0.187	0.184	86.662%	-0.003	0.001	-0.045	-0.042
σ		0.065%	0.039	0.043	0.318%	0.006	0.002	0.024	0.014
%RSD		0.080	21.000	23.240	0.367	185.300	178.400	53.190	33.210

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:28	85.512%	0.037	0.034	0.031	0.004	-0.003	86.019%	85.977%
2	20:34:11	85.522%	-0.019	0.016	0.030	-0.000	0.008	87.165%	88.130%
3	20:34:54	86.083%	-0.044	0.018	0.010	0.004	0.005	87.424%	88.440%
x		85.705%	-0.008	0.023	0.023	0.002	0.003	86.869%	87.516%
σ		0.327%	0.041	0.010	0.012	0.002	0.006	0.748%	1.341%
%RSD		0.381	490.400	43.220	51.180	93.890	173.500	0.861	1.533

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:28	0.027	0.028	0.112	0.105	0.107	93.702%
2	20:34:11	0.037	0.029	0.080	0.053	0.067	94.946%
3	20:34:54	0.024	0.024	0.071	0.070	0.066	95.674%
x		0.029	0.027	0.088	0.076	0.080	94.774%
σ		0.007	0.003	0.022	0.027	0.023	0.997%
%RSD		23.620	9.929	24.820	35.080	29.280	1.052

240-18544-N-8-A 12/27/2012 8:44:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:04	75.188%	5.206	26.910	28.030	0.000	422.800	21160.000	21640.000
2	20:45:47	70.988%	4.963	26.050	27.160	0.000	420.700	20900.000	21720.000
3	20:46:30	70.458%	4.806	25.260	26.240	0.000	413.300	20400.000	21320.000
x		72.211%	4.992	26.070	27.140	0.000	418.900	20820.000	21560.000
σ		2.592%	0.202	0.825	0.898	0.000	4.961	384.800	209.800
%RSD		3.589	4.044	3.165	3.307	0.000	1.184	1.849	0.973

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:04	68670.000	1614.000	0.000	9206.000	11330.000	11820.000	85.344%	420.300
2	20:45:47	69290.000	1648.000	0.000	9077.000	11270.000	11880.000	78.873%	422.600
3	20:46:30	67670.000	1619.000	0.000	9011.000	10870.000	11600.000	78.215%	410.000
x		68540.000	1627.000	0.000	9098.000	11160.000	11770.000	80.811%	417.600
σ		818.400	18.230	0.000	99.080	250.400	147.100	3.940%	6.728
%RSD		1.194	1.121	0.000	1.089	2.245	1.250	4.876	1.611

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:04	139.000	162.900	4852.000	282700.000	287500.000	98.180	245.500	185.600
2	20:45:47	139.800	162.300	4888.000	286200.000	288500.000	99.140	247.300	189.300
3	20:46:30	133.700	159.500	4771.000	282900.000	285900.000	97.030	242.200	185.000
x		137.500	161.600	4837.000	283900.000	287300.000	98.120	245.000	186.600
σ		3.312	1.789	59.910	1969.000	1303.000	1.057	2.587	2.291
%RSD		2.408	1.107	1.239	0.693	0.454	1.078	1.056	1.227

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:04	186.100	664.700	671.800	167.900	2.635	4.540	0.000	61.540
2	20:45:47	188.400	683.400	686.700	165.300	2.448	2.966	0.000	61.340
3	20:46:30	183.300	670.000	680.600	164.700	2.288	3.820	0.000	61.730
x		185.900	672.700	679.700	166.000	2.457	3.775	0.000	61.540
σ		2.528	9.636	7.474	1.705	0.174	0.788	0.000	0.199
%RSD		1.360	1.432	1.100	1.028	7.071	20.860	0.000	0.323

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:04	0.000	10.900	10.760	71.473%	0.264	0.156	2.126	1.692
2	20:45:47	0.000	10.430	10.490	68.328%	0.267	0.169	2.143	1.758
3	20:46:30	0.000	10.280	10.290	66.927%	0.261	0.169	2.056	1.548
x		0.000	10.540	10.510	68.910%	0.264	0.165	2.109	1.666
σ		0.000	0.321	0.234	2.328%	0.003	0.008	0.046	0.107
%RSD		0.000	3.044	2.223	3.378	1.091	4.684	2.182	6.446

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:04	73.800%	14.660	1.212	1.308	368.100	371.100	85.423%	83.885%
2	20:45:47	71.175%	13.130	1.320	1.260	367.200	368.900	84.692%	83.044%
3	20:46:30	71.149%	12.450	1.262	1.309	368.900	368.900	83.846%	82.220%
x		72.041%	13.410	1.265	1.292	368.100	369.600	84.654%	83.050%
σ		1.523%	1.133	0.054	0.028	0.869	1.271	0.789%	0.833%
%RSD		2.114	8.443	4.259	2.174	0.236	0.344	0.932	1.003

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:04	1.524	1.523	155.600	154.300	155.000	71.995%
2	20:45:47	1.579	1.553	157.300	155.900	156.000	71.502%
3	20:46:30	1.554	1.507	156.100	154.400	155.100	71.374%
x		1.552	1.528	156.400	154.900	155.400	71.624%
σ		0.028	0.023	0.894	0.864	0.554	0.327%
%RSD		1.802	1.501	0.572	0.558	0.356	0.457

240-18544-N-8-A SD@5 12/27/2012 8:48:40 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:24	74.453%	1.050	7.057	7.251	0.000	80.780	4092.000	4268.000
2	20:50:07	69.393%	1.052	6.812	7.309	0.000	81.920	4262.000	4406.000
3	20:50:50	69.364%	1.017	6.582	6.989	0.000	82.550	4252.000	4406.000
x		71.070%	1.040	6.817	7.183	0.000	81.750	4202.000	4360.000
σ		2.930%	0.020	0.237	0.171	0.000	0.896	95.670	80.090
%RSD		4.122	1.908	3.484	2.378	0.000	1.096	2.277	1.837
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:24	13580.000	347.000	0.000	1798.000	2319.000	2376.000	79.521%	82.410
2	20:50:07	14170.000	365.200	0.000	1863.000	2320.000	2395.000	77.192%	82.340
3	20:50:50	14000.000	354.700	0.000	1819.000	2272.000	2410.000	75.189%	83.870
x		13920.000	355.600	0.000	1826.000	2304.000	2393.000	77.301%	82.870
σ		306.400	9.173	0.000	33.100	27.190	16.800	2.168%	0.863
%RSD		2.202	2.579	0.000	1.812	1.180	0.702	2.805	1.041
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:24	26.230	31.200	945.700	57960.000	56700.000	18.780	48.210	36.710
2	20:50:07	26.160	31.410	961.900	58400.000	57460.000	18.860	47.850	37.220
3	20:50:50	26.790	31.270	974.400	59520.000	57870.000	18.990	48.710	37.770
x		26.390	31.300	960.700	58630.000	57350.000	18.880	48.260	37.230
σ		0.349	0.104	14.410	803.100	594.500	0.107	0.428	0.529
%RSD		1.324	0.332	1.500	1.370	1.037	0.565	0.887	1.422
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:24	36.800	146.600	150.000	33.910	-0.337	-0.508	0.000	10.310
2	20:50:07	36.980	150.200	150.800	33.910	-0.350	-0.418	0.000	10.510
3	20:50:50	37.370	150.800	150.700	34.190	-0.274	-0.649	0.000	10.670
x		37.050	149.200	150.500	34.000	-0.321	-0.525	0.000	10.490
σ		0.292	2.293	0.420	0.160	0.041	0.117	0.000	0.182
%RSD		0.789	1.537	0.279	0.471	12.850	22.210	0.000	1.730
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:24	83.785%	1.825	1.809	73.903%	0.036	0.019	0.418	0.369
2	20:50:07	83.577%	1.835	1.936	72.666%	0.044	0.021	0.268	0.206
3	20:50:50	83.870%	1.808	1.873	72.704%	0.043	0.020	0.400	0.320
x		83.744%	1.823	1.873	73.091%	0.041	0.020	0.362	0.298
σ		0.150%	0.014	0.063	0.703%	0.004	0.001	0.082	0.084
%RSD		0.180	0.744	3.368	0.962	10.430	4.573	22.580	28.040
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:24	75.787%	2.072	0.266	0.279	72.290	72.090	82.496%	82.582%
2	20:50:07	75.345%	2.149	0.288	0.272	73.990	74.020	82.517%	83.425%
3	20:50:50	74.824%	2.197	0.259	0.306	75.040	74.530	82.465%	83.148%
x		75.319%	2.139	0.271	0.286	73.780	73.540	82.493%	83.052%
σ		0.482%	0.063	0.015	0.018	1.385	1.288	0.026%	0.430%
%RSD		0.640	2.950	5.526	6.364	1.877	1.751	0.032	0.517
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:49:24	0.279	0.296	29.930	29.920	29.630	79.344%		
2	20:50:07	0.316	0.310	30.850	30.020	30.280	80.072%		
3	20:50:50	0.310	0.311	30.890	30.500	30.470	80.544%		
x		0.302	0.306	30.560	30.150	30.130	79.987%		
σ		0.020	0.009	0.545	0.311	0.437	0.605%		
%RSD		6.595	2.840	1.784	1.032	1.452	0.756		

240-18544-N-8-B DU 12/27/2012 8:53:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:44	67.942%	5.223	29.190	29.360	0.000	439.900	21390.000	22240.000
2	20:54:27	67.902%	5.113	28.860	29.840	0.000	437.400	20890.000	22140.000
3	20:55:10	67.315%	5.064	28.700	29.460	0.000	451.300	21240.000	22260.000
x		67.720%	5.133	28.920	29.550	0.000	442.900	21170.000	22210.000
σ		0.351%	0.082	0.246	0.251	0.000	7.420	252.500	62.470
%RSD		0.518	1.588	0.851	0.849	0.000	1.675	1.193	0.281

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:44	76160.000	1953.000	0.000	10650.000	10930.000	11460.000	78.166%	409.800
2	20:54:27	75430.000	1986.000	0.000	10670.000	10960.000	11680.000	74.986%	407.000
3	20:55:10	76400.000	2029.000	0.000	10540.000	10980.000	11510.000	75.128%	407.000
x		76000.000	1989.000	0.000	10620.000	10960.000	11550.000	76.093%	407.900
σ		508.600	38.220	0.000	67.890	24.740	117.000	1.796%	1.604
%RSD		0.669	1.921	0.000	0.639	0.226	1.013	2.360	0.393

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:44	146.400	168.200	4710.000	269500.000	274600.000	96.600	244.500	189.100
2	20:54:27	145.900	169.600	4803.000	273900.000	277300.000	98.070	246.700	190.900
3	20:55:10	143.900	168.900	4809.000	274000.000	278200.000	99.470	245.900	192.400
x		145.400	168.900	4774.000	272500.000	276700.000	98.050	245.700	190.800
σ		1.333	0.692	55.530	2520.000	1887.000	1.435	1.113	1.622
%RSD		0.916	0.410	1.163	0.925	0.682	1.464	0.453	0.850

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:44	188.100	672.500	683.000	168.800	2.609	3.401	0.000	65.440
2	20:54:27	190.000	684.700	698.200	172.300	2.386	3.657	0.000	65.950
3	20:55:10	190.900	683.800	693.500	169.000	2.245	3.414	0.000	66.550
x		189.600	680.400	691.600	170.100	2.413	3.491	0.000	65.980
σ		1.424	6.799	7.785	1.951	0.183	0.144	0.000	0.558
%RSD		0.751	0.999	1.126	1.147	7.596	4.124	0.000	0.845

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:44	0.000	9.910	9.838	65.246%	0.277	0.153	2.020	1.709
2	20:54:27	0.000	9.596	9.801	65.124%	0.251	0.158	2.064	1.614
3	20:55:10	0.000	9.813	9.819	65.314%	0.300	0.150	2.146	1.655
x		0.000	9.773	9.819	65.228%	0.276	0.154	2.077	1.659
σ		0.000	0.161	0.019	0.096%	0.025	0.004	0.064	0.047
%RSD		0.000	1.646	0.190	0.148	8.993	2.464	3.062	2.847

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:44	67.510%	14.640	1.352	1.286	385.300	386.300	79.385%	78.196%
2	20:54:27	68.703%	14.620	1.383	1.308	380.100	381.300	80.550%	79.460%
3	20:55:10	68.435%	14.300	1.308	1.327	385.100	383.700	80.675%	79.586%
x		68.216%	14.520	1.348	1.307	383.500	383.800	80.203%	79.081%
σ		0.626%	0.194	0.038	0.021	2.938	2.516	0.712%	0.769%
%RSD		0.918	1.334	2.805	1.587	0.766	0.655	0.887	0.972

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:44	1.561	1.577	155.900	153.900	154.200	69.262%
2	20:54:27	1.531	1.563	157.800	155.500	156.100	69.487%
3	20:55:10	1.576	1.559	156.300	154.800	155.600	70.180%
x		1.556	1.566	156.700	154.700	155.300	69.643%
σ		0.023	0.009	0.987	0.814	0.981	0.478%
%RSD		1.474	0.585	0.630	0.526	0.632	0.687

240-18544-N-8-C MS 12/27/2012 8:57:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:05	66.263%	89.930	93.970	96.390	0.000	8848.000	30720.000	32090.000
2	20:58:48	66.818%	86.950	92.840	93.080	0.000	8614.000	29960.000	31520.000
3	20:59:31	66.924%	86.710	91.590	95.620	0.000	8788.000	30350.000	31700.000
x		66.668%	87.860	92.800	95.030	0.000	8750.000	30340.000	31770.000
σ		0.355%	1.794	1.188	1.733	0.000	121.600	380.200	294.400
%RSD		0.532	2.041	1.281	1.824	0.000	1.390	1.253	0.927
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:05	93470.000	2884.000	0.000	18270.000	19580.000	20550.000	76.958%	474.000
2	20:58:48	92250.000	2816.000	0.000	17950.000	19020.000	20100.000	75.989%	471.700
3	20:59:31	92260.000	2851.000	0.000	18080.000	19530.000	20350.000	75.230%	476.900
x		92660.000	2850.000	0.000	18100.000	19370.000	20330.000	76.059%	474.200
σ		703.500	34.070	0.000	159.800	308.000	224.300	0.866%	2.604
%RSD		0.759	1.195	0.000	0.883	1.590	1.103	1.139	0.549
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:05	244.000	263.200	5185.000	280400.000	284800.000	182.000	339.600	276.100
2	20:58:48	245.000	261.800	5149.000	279400.000	283200.000	182.100	335.600	274.900
3	20:59:31	246.500	262.300	5151.000	280700.000	283400.000	183.600	337.100	275.300
x		245.200	262.400	5161.000	280200.000	283800.000	182.600	337.400	275.400
σ		1.246	0.674	20.190	716.000	895.000	0.911	2.051	0.631
%RSD		0.508	0.257	0.391	0.256	0.315	0.499	0.608	0.229
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:05	276.900	801.100	804.700	263.000	74.120	74.530	0.000	165.400
2	20:58:48	276.200	794.800	801.800	260.000	74.340	74.000	0.000	165.000
3	20:59:31	273.600	801.300	805.500	261.200	72.780	74.770	0.000	167.200
x		275.600	799.100	804.000	261.400	73.750	74.430	0.000	165.900
σ		1.762	3.714	1.979	1.501	0.847	0.397	0.000	1.171
%RSD		0.639	0.465	0.246	0.574	1.149	0.533	0.000	0.706
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:05	0.000	91.780	92.500	64.600%	85.820	86.130	86.640	86.510
2	20:58:48	0.000	91.780	92.940	64.626%	85.690	86.220	85.900	85.380
3	20:59:31	0.000	91.820	92.620	65.131%	85.630	85.260	84.600	85.210
x		0.000	91.790	92.690	64.786%	85.710	85.870	85.710	85.700
σ		0.000	0.026	0.230	0.299%	0.093	0.529	1.031	0.706
%RSD		0.000	0.028	0.248	0.462	0.108	0.616	1.203	0.824
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:05	67.181%	90.190	27.180	27.240	480.200	479.500	79.162%	77.261%
2	20:58:48	68.428%	90.090	27.040	26.610	474.800	474.900	80.334%	79.434%
3	20:59:31	68.370%	89.500	27.050	26.470	477.200	478.600	80.764%	79.379%
x		67.993%	89.930	27.090	26.770	477.400	477.700	80.087%	78.691%
σ		0.704%	0.377	0.075	0.410	2.672	2.422	0.829%	1.239%
%RSD		1.036	0.419	0.278	1.532	0.560	0.507	1.035	1.574
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:58:05	84.090	84.100	250.900	254.700	252.600	67.550%		
2	20:58:48	84.590	85.100	252.900	255.400	253.700	68.701%		
3	20:59:31	84.790	85.040	253.300	254.600	252.700	69.364%		
x		84.490	84.750	252.300	254.900	253.000	68.538%		
σ		0.366	0.563	1.285	0.420	0.584	0.918%		
%RSD		0.433	0.664	0.509	0.165	0.231	1.340		

240-18544-N-8-A PDS 12/27/2012 9:17:10 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:53	72.866%	49.590	868.200	879.100	0.000	45000.000	64300.000	67260.000
2	21:18:36	72.620%	48.500	863.600	898.600	0.000	44300.000	63620.000	65840.000
3	21:19:19	71.012%	49.690	881.800	892.700	0.000	44640.000	63440.000	67080.000
x		72.166%	49.260	871.200	890.100	0.000	44650.000	63780.000	66730.000
σ		1.007%	0.658	9.444	9.973	0.000	348.000	451.700	773.100
%RSD		1.395	1.336	1.084	1.120	0.000	0.779	0.708	1.159

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:53	71340.000	11570.000	0.000	54880.000	57230.000	60150.000	81.291%	1422.000
2	21:18:36	69220.000	11380.000	0.000	53800.000	56680.000	59780.000	81.728%	1431.000
3	21:19:19	70320.000	11440.000	0.000	53690.000	56230.000	59240.000	82.326%	1412.000
x		70290.000	11470.000	0.000	54120.000	56710.000	59730.000	81.782%	1422.000
σ		1059.000	99.240	0.000	654.000	497.000	460.300	0.519%	9.558
%RSD		1.507	0.866	0.000	1.208	0.876	0.771	0.635	0.672

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:53	623.900	358.600	5383.000	289200.000	294900.000	563.000	720.700	422.000
2	21:18:36	616.500	351.700	5324.000	283900.000	288800.000	549.800	711.800	418.700
3	21:19:19	618.500	351.700	5308.000	284000.000	292300.000	554.100	713.300	423.300
x		619.600	354.000	5339.000	285700.000	292000.000	555.600	715.200	421.300
σ		3.832	3.975	39.670	3048.000	3073.000	6.714	4.758	2.353
%RSD		0.619	1.123	0.743	1.067	1.052	1.208	0.665	0.559

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:53	421.500	1110.000	1124.000	205.300	10.910	12.680	0.000	1042.000
2	21:18:36	418.700	1110.000	1125.000	205.200	11.040	12.440	0.000	1041.000
3	21:19:19	419.300	1108.000	1118.000	205.000	11.210	13.760	0.000	1044.000
x		419.800	1109.000	1123.000	205.200	11.060	12.960	0.000	1042.000
σ		1.479	1.110	3.934	0.137	0.151	0.707	0.000	1.534
%RSD		0.352	0.100	0.350	0.067	1.367	5.452	0.000	0.147

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:53	0.000	1085.000	1090.000	63.924%	48.540	48.870	49.080	45.170
2	21:18:36	0.000	1090.000	1099.000	65.762%	48.820	48.400	48.150	44.030
3	21:19:19	0.000	1093.000	1103.000	66.056%	48.960	48.810	47.230	45.760
x		0.000	1089.000	1097.000	65.247%	48.780	48.690	48.150	44.990
σ		0.000	4.226	6.653	1.156%	0.217	0.258	0.926	0.881
%RSD		0.000	0.388	0.606	1.771	0.444	0.530	1.924	1.958

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:53	69.171%	2004.000	455.600	457.300	2161.000	2157.000	82.578%	81.279%
2	21:18:36	71.692%	1981.000	456.500	454.100	2136.000	2142.000	86.236%	84.207%
3	21:19:19	72.281%	1977.000	455.700	454.400	2131.000	2139.000	86.987%	85.638%
x		71.048%	1987.000	456.000	455.300	2143.000	2146.000	85.267%	83.708%
σ		1.652%	14.380	0.456	1.805	16.170	9.494	2.359%	2.222%
%RSD		2.325	0.724	0.100	0.397	0.755	0.442	2.766	2.654

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:53	48.610	48.940	173.300	170.400	171.700	68.300%
2	21:18:36	49.320	49.400	172.900	172.800	172.500	70.173%
3	21:19:19	48.930	49.160	173.000	171.200	172.300	71.401%
x		48.960	49.170	173.000	171.400	172.200	69.958%
σ		0.359	0.230	0.206	1.232	0.426	1.562%
%RSD		0.733	0.467	0.119	0.719	0.248	2.233

240-18544-N-7-A PDS 12/27/2012 9:23:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:09	70.554%	49.330	838.400	853.200	0.000	44190.000	62960.000	66020.000
2	21:24:52	71.640%	48.110	838.200	860.500	0.000	43590.000	63000.000	66250.000
3	21:25:35	71.118%	48.670	858.200	874.900	0.000	43670.000	62710.000	65770.000
x		71.104%	48.700	844.900	862.900	0.000	43820.000	62890.000	66010.000
σ		0.543%	0.610	11.480	11.040	0.000	324.300	158.100	239.800
%RSD		0.763	1.252	1.359	1.279	0.000	0.740	0.251	0.363

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:09	88410.000	11070.000	0.000	53590.000	52870.000	56690.000	79.314%	1412.000
2	21:24:52	88430.000	11030.000	0.000	53560.000	53860.000	56980.000	79.450%	1417.000
3	21:25:35	88870.000	11050.000	0.000	53690.000	53900.000	56760.000	78.218%	1416.000
x		88570.000	11050.000	0.000	53610.000	53540.000	56810.000	78.994%	1415.000
σ		261.600	19.610	0.000	67.050	587.100	148.600	0.676%	2.816
%RSD		0.295	0.177	0.000	0.125	1.097	0.262	0.855	0.199

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:09	643.300	352.000	3816.000	279600.000	283300.000	511.900	656.200	412.200
2	21:24:52	639.500	351.800	3810.000	280400.000	282700.000	547.000	660.900	413.200
3	21:25:35	640.800	354.900	3821.000	281300.000	287400.000	508.000	664.400	418.700
x		641.200	352.900	3816.000	280400.000	284500.000	522.300	660.500	414.700
σ		1.936	1.754	5.698	831.400	2546.000	21.500	4.095	3.465
%RSD		0.302	0.497	0.149	0.296	0.895	4.116	0.620	0.836

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:09	415.400	1100.000	1101.000	191.800	11.680	12.840	0.000	1051.000
2	21:24:52	414.800	1087.000	1097.000	191.200	11.770	13.140	0.000	1048.000
3	21:25:35	420.800	1098.000	1107.000	193.800	11.560	13.880	0.000	1055.000
x		417.000	1095.000	1102.000	192.300	11.670	13.290	0.000	1051.000
σ		3.326	6.838	4.667	1.335	0.103	0.534	0.000	3.124
%RSD		0.798	0.624	0.424	0.694	0.885	4.017	0.000	0.297

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:09	0.000	1061.000	1073.000	63.405%	48.920	48.060	48.130	44.550
2	21:24:52	0.000	1067.000	1077.000	63.216%	49.460	48.420	47.800	44.360
3	21:25:35	0.000	1064.000	1071.000	63.436%	49.120	48.590	47.090	44.490
x		0.000	1064.000	1074.000	63.352%	49.170	48.350	47.670	44.470
σ		0.000	3.345	3.101	0.119%	0.275	0.272	0.532	0.100
%RSD		0.000	0.314	0.289	0.188	0.560	0.562	1.116	0.225

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:09	71.565%	1868.000	434.400	433.500	2134.000	2130.000	85.133%	83.795%
2	21:24:52	72.269%	1855.000	432.200	431.000	2136.000	2134.000	85.900%	84.729%
3	21:25:35	72.017%	1853.000	434.000	431.700	2134.000	2125.000	85.827%	85.164%
x		71.950%	1859.000	433.500	432.100	2135.000	2130.000	85.620%	84.563%
σ		0.357%	8.323	1.182	1.275	1.046	4.460	0.423%	0.699%
%RSD		0.496	0.448	0.273	0.295	0.049	0.209	0.495	0.827

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:09	47.820	48.010	203.200	199.700	201.300	70.953%
2	21:24:52	47.980	48.180	203.200	199.200	201.000	71.717%
3	21:25:35	48.010	48.390	204.600	201.000	202.900	71.183%
x		47.940	48.190	203.700	200.000	201.700	71.284%
σ		0.100	0.187	0.790	0.952	1.021	0.392%
%RSD		0.209	0.389	0.388	0.476	0.506	0.550

240-18544-F-10-A 12/27/2012 9:27:46 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:29	73.620%	5.888	37.870	39.350	0.000	528.800	32150.000	33560.000
2	21:29:12	72.964%	5.799	34.300	35.190	0.000	515.700	31750.000	33590.000
3	21:29:55	72.181%	5.584	31.630	32.380	0.000	513.400	31030.000	32740.000
x		72.922%	5.757	34.600	35.640	0.000	519.300	31640.000	33290.000
σ		0.720%	0.156	3.133	3.503	0.000	8.277	565.600	484.800
%RSD		0.988	2.711	9.055	9.828	0.000	1.594	1.787	1.456

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:29	108300.000	2143.000	0.000	9605.000	41730.000	44700.000	79.532%	620.100
2	21:29:12	107400.000	2153.000	0.000	9616.000	41670.000	44850.000	79.211%	618.200
3	21:29:55	105700.000	2096.000	0.000	9527.000	42650.000	45140.000	77.612%	606.700
x		107100.000	2130.000	0.000	9583.000	42010.000	44900.000	78.785%	615.000
σ		1314.000	30.310	0.000	48.830	547.900	224.700	1.029%	7.215
%RSD		1.226	1.423	0.000	0.510	1.304	0.500	1.306	1.173

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:29	204.100	212.400	6663.000	289700.000	295100.000	140.500	253.400	218.500
2	21:29:12	203.700	209.600	6641.000	292500.000	294400.000	138.600	253.900	222.000
3	21:29:55	202.300	209.100	6575.000	288500.000	292400.000	137.600	250.700	220.800
x		203.300	210.400	6626.000	290200.000	294000.000	138.900	252.700	220.400
σ		0.900	1.759	45.600	2028.000	1417.000	1.447	1.721	1.797
%RSD		0.443	0.836	0.688	0.699	0.482	1.042	0.681	0.815

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:29	218.000	705.500	716.600	171.000	3.652	5.373	0.000	114.800
2	21:29:12	219.700	706.700	717.200	172.800	3.718	6.217	0.000	114.600
3	21:29:55	220.900	712.100	716.900	172.100	3.749	5.992	0.000	114.100
x		219.600	708.100	716.900	172.000	3.706	5.861	0.000	114.500
σ		1.452	3.490	0.332	0.920	0.050	0.437	0.000	0.377
%RSD		0.661	0.493	0.046	0.535	1.337	7.458	0.000	0.329

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:29	0.000	17.700	18.190	64.647%	0.356	0.316	1.684	1.285
2	21:29:12	0.000	16.080	16.470	64.546%	0.369	0.316	1.358	1.091
3	21:29:55	0.000	15.450	15.820	63.523%	0.385	0.305	1.493	1.187
x		0.000	16.410	16.830	64.239%	0.370	0.312	1.512	1.188
σ		0.000	1.162	1.223	0.621%	0.014	0.006	0.163	0.097
%RSD		0.000	7.080	7.267	0.967	3.892	2.040	10.810	8.166

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:29	71.166%	21.170	2.729	2.747	563.900	562.900	83.485%	81.575%
2	21:29:12	72.363%	18.390	1.984	2.095	562.100	564.000	84.505%	83.137%
3	21:29:55	71.468%	17.110	1.776	1.820	562.600	558.100	83.506%	82.646%
x		71.666%	18.890	2.163	2.221	562.900	561.700	83.832%	82.453%
σ		0.622%	2.073	0.501	0.476	0.955	3.122	0.583%	0.799%
%RSD		0.869	10.970	23.170	21.430	0.170	0.556	0.696	0.969

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:29	1.765	1.745	232.900	227.900	229.500	71.513%
2	21:29:12	1.741	1.780	233.100	227.200	230.000	72.401%
3	21:29:55	1.798	1.774	233.600	226.500	228.800	72.530%
x		1.768	1.766	233.200	227.200	229.500	72.148%
σ		0.029	0.019	0.362	0.682	0.612	0.554%
%RSD		1.624	1.060	0.155	0.300	0.267	0.767

240-18544-F-11-A 12/27/2012 9:32:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:48	69.933%	5.667	32.800	32.840	0.000	542.100	32240.000	33430.000
2	21:33:31	68.360%	5.564	30.610	32.200	0.000	536.400	32040.000	33470.000
3	21:34:14	67.014%	5.608	30.760	33.120	0.000	537.300	32070.000	33740.000
x		68.436%	5.613	31.390	32.720	0.000	538.600	32110.000	33550.000
σ		1.461%	0.052	1.227	0.475	0.000	3.045	110.900	165.000
%RSD		2.135	0.918	3.908	1.452	0.000	0.565	0.345	0.492

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:48	105100.000	2262.000	0.000	10630.000	41160.000	43690.000	72.158%	804.900
2	21:33:31	103700.000	2220.000	0.000	10350.000	40110.000	43160.000	71.343%	802.200
3	21:34:14	104600.000	2227.000	0.000	10530.000	40140.000	43180.000	70.213%	795.900
x		104500.000	2236.000	0.000	10500.000	40470.000	43340.000	71.238%	801.000
σ		680.400	22.290	0.000	138.900	596.600	301.400	0.977%	4.637
%RSD		0.651	0.997	0.000	1.323	1.474	0.695	1.371	0.579

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:48	220.800	210.200	6114.000	330000.000	336600.000	119.500	249.300	227.300
2	21:33:31	213.000	205.000	5884.000	321200.000	323500.000	116.300	241.700	222.000
3	21:34:14	212.200	204.800	5945.000	320900.000	327300.000	117.600	242.700	217.900
x		215.300	206.700	5981.000	324000.000	329100.000	117.800	244.600	222.400
σ		4.750	3.077	119.200	5173.000	6750.000	1.641	4.118	4.714
%RSD		2.206	1.489	1.994	1.597	2.051	1.393	1.684	2.120

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:48	225.200	752.200	755.100	160.700	3.327	4.723	0.000	107.800
2	21:33:31	221.100	737.400	750.100	159.300	3.111	4.768	0.000	108.500
3	21:34:14	219.800	739.800	749.700	157.800	3.374	4.907	0.000	108.900
x		222.000	743.100	751.600	159.300	3.270	4.799	0.000	108.400
σ		2.859	7.947	3.030	1.431	0.140	0.096	0.000	0.577
%RSD		1.288	1.069	0.403	0.898	4.291	1.998	0.000	0.532

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:48	0.000	14.430	14.280	59.150%	0.321	0.263	1.670	1.227
2	21:33:31	0.000	13.940	14.000	58.527%	0.346	0.274	1.467	1.188
3	21:34:14	0.000	13.780	14.010	57.644%	0.333	0.288	1.643	1.332
x		0.000	14.050	14.090	58.441%	0.333	0.275	1.593	1.249
σ		0.000	0.338	0.161	0.756%	0.013	0.012	0.110	0.074
%RSD		0.000	2.406	1.142	1.294	3.810	4.500	6.923	5.961

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:48	66.250%	17.060	1.506	1.527	507.000	504.400	77.837%	76.859%
2	21:33:31	66.186%	16.940	1.467	1.528	498.900	503.000	78.410%	77.579%
3	21:34:14	65.364%	16.600	1.516	1.522	501.500	506.400	77.224%	77.022%
x		65.933%	16.870	1.496	1.526	502.400	504.600	77.824%	77.153%
σ		0.494%	0.236	0.026	0.004	4.145	1.735	0.593%	0.378%
%RSD		0.749	1.400	1.742	0.233	0.825	0.344	0.762	0.490

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:48	1.703	1.744	259.500	249.900	253.500	68.473%
2	21:33:31	1.740	1.721	261.400	253.800	256.900	67.944%
3	21:34:14	1.785	1.688	260.400	252.500	256.000	68.252%
x		1.743	1.718	260.500	252.000	255.500	68.223%
σ		0.041	0.028	0.965	1.987	1.729	0.266%
%RSD		2.366	1.624	0.370	0.788	0.677	0.389

240-18544-F-12-A 12/27/2012 9:36:23 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:06	63.227%	5.658	22.230	22.980	0.000	434.900	22080.000	23190.000
2	21:37:49	60.894%	5.712	22.390	23.930	0.000	443.900	22520.000	23680.000
3	21:38:32	59.825%	5.609	22.230	23.370	0.000	443.600	22540.000	23720.000
x		61.315%	5.660	22.280	23.430	0.000	440.800	22380.000	23530.000
σ		1.740%	0.052	0.090	0.478	0.000	5.107	259.100	294.300
%RSD		2.837	0.913	0.405	2.040	0.000	1.158	1.158	1.251

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:06	105400.000	1639.000	0.000	8743.000	10170.000	10780.000	65.642%	408.400
2	21:37:49	107000.000	1738.000	0.000	8950.000	10470.000	10890.000	64.727%	413.400
3	21:38:32	106500.000	1757.000	0.000	9005.000	10480.000	10930.000	63.135%	411.100
x		106300.000	1711.000	0.000	8899.000	10370.000	10870.000	64.501%	411.000
σ		800.900	63.220	0.000	138.100	173.600	77.340	1.269%	2.534
%RSD		0.753	3.695	0.000	1.552	1.674	0.712	1.967	0.617

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:06	196.200	188.600	4205.000	318100.000	321600.000	107.300	228.700	185.600
2	21:37:49	195.000	190.800	4316.000	326500.000	329900.000	110.200	238.200	191.400
3	21:38:32	200.300	195.000	4312.000	324500.000	330100.000	108.300	233.000	188.500
x		197.200	191.500	4278.000	323000.000	327200.000	108.600	233.300	188.500
σ		2.789	3.229	63.420	4399.000	4872.000	1.465	4.766	2.898
%RSD		1.414	1.687	1.482	1.362	1.489	1.349	2.043	1.537

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:06	183.900	690.100	702.400	187.600	3.925	5.991	0.000	65.120
2	21:37:49	192.800	716.100	729.200	194.500	4.119	4.567	0.000	66.310
3	21:38:32	188.200	715.300	726.700	193.600	3.821	5.255	0.000	67.060
x		188.300	707.100	719.500	191.900	3.955	5.271	0.000	66.160
σ		4.454	14.770	14.820	3.751	0.151	0.712	0.000	0.978
%RSD		2.365	2.089	2.059	1.954	3.826	13.510	0.000	1.478

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:06	0.000	15.490	15.750	55.895%	0.251	0.210	1.555	1.187
2	21:37:49	0.000	16.150	16.070	55.196%	0.284	0.216	1.372	1.091
3	21:38:32	0.000	15.770	15.940	54.653%	0.300	0.212	1.534	1.180
x		0.000	15.800	15.920	55.248%	0.278	0.213	1.487	1.153
σ		0.000	0.333	0.161	0.623%	0.025	0.003	0.100	0.054
%RSD		0.000	2.110	1.011	1.127	9.125	1.418	6.725	4.643

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:06	62.550%	11.790	2.419	2.512	521.700	525.300	74.242%	74.069%
2	21:37:49	62.001%	12.030	2.701	2.625	533.400	535.800	74.440%	73.862%
3	21:38:32	62.433%	11.950	2.514	2.544	527.100	528.400	75.116%	74.632%
x		62.328%	11.920	2.544	2.560	527.400	529.800	74.599%	74.188%
σ		0.289%	0.125	0.143	0.058	5.861	5.384	0.459%	0.398%
%RSD		0.463	1.048	5.639	2.282	1.111	1.016	0.615	0.537

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:06	1.505	1.550	267.800	260.100	262.100	68.631%
2	21:37:49	1.565	1.552	276.500	267.700	270.400	68.894%
3	21:38:32	1.481	1.532	275.500	267.100	269.300	69.041%
x		1.517	1.544	273.300	265.000	267.300	68.855%
σ		0.043	0.011	4.761	4.210	4.471	0.208%
%RSD		2.827	0.729	1.742	1.589	1.673	0.302

240-18544-F-13-A 12/27/2012 9:40:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:24	61.700%	7.041	24.690	25.910	0.000	503.100	31400.000	32800.000
2	21:42:07	59.893%	7.070	25.820	26.640	0.000	602.200	32730.000	33910.000
3	21:42:50	60.524%	7.290	25.650	26.490	0.000	602.100	32290.000	33970.000
x		60.705%	7.134	25.390	26.350	0.000	569.100	32140.000	33560.000
σ		0.917%	0.136	0.610	0.386	0.000	57.190	678.000	661.600
%RSD		1.510	1.906	2.401	1.465	0.000	10.050	2.110	1.971

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:24	150800.000	1915.000	0.000	11790.000	14360.000	14850.000	65.028%	444.200
2	21:42:07	154600.000	2017.000	0.000	11940.000	14510.000	14990.000	64.581%	457.300
3	21:42:50	154800.000	1965.000	0.000	11900.000	14170.000	15000.000	65.507%	445.700
x		153400.000	1966.000	0.000	11880.000	14350.000	14940.000	65.039%	449.100
σ		2280.000	50.970	0.000	76.470	175.000	86.190	0.463%	7.184
%RSD		1.486	2.593	0.000	0.644	1.220	0.577	0.712	1.600

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:24	264.300	256.200	4411.000	359700.000	366000.000	122.500	284.700	237.000
2	21:42:07	277.900	265.300	4483.000	365800.000	375800.000	125.000	285.600	239.000
3	21:42:50	270.900	255.900	4444.000	361200.000	366200.000	123.700	285.600	239.200
x		271.000	259.100	4446.000	362200.000	369300.000	123.700	285.300	238.400
σ		6.798	5.322	35.770	3207.000	5573.000	1.278	0.539	1.214
%RSD		2.508	2.054	0.805	0.885	1.509	1.033	0.189	0.509

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:24	235.500	837.000	848.700	187.900	4.393	5.855	0.000	89.000
2	21:42:07	242.500	863.100	874.400	190.400	5.100	5.399	0.000	92.800
3	21:42:50	239.600	852.000	864.000	190.200	4.618	5.746	0.000	92.830
x		239.200	850.700	862.400	189.500	4.703	5.666	0.000	91.540
σ		3.511	13.090	12.920	1.407	0.361	0.238	0.000	2.201
%RSD		1.468	1.539	1.499	0.743	7.682	4.208	0.000	2.405

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:24	0.000	15.200	15.290	54.837%	0.348	0.267	1.940	1.400
2	21:42:07	0.000	16.020	15.670	53.879%	0.342	0.278	1.733	1.394
3	21:42:50	0.000	15.850	15.830	53.839%	0.349	0.265	2.066	1.676
x		0.000	15.690	15.600	54.185%	0.346	0.270	1.913	1.490
σ		0.000	0.436	0.277	0.565%	0.004	0.007	0.168	0.161
%RSD		0.000	2.777	1.774	1.043	1.048	2.635	8.790	10.820

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:24	61.617%	14.140	1.599	1.664	693.000	691.300	73.902%	73.340%
2	21:42:07	61.081%	15.100	1.665	1.584	706.500	708.600	74.797%	73.104%
3	21:42:50	61.195%	14.790	1.588	1.602	705.600	711.900	74.394%	73.171%
x		61.297%	14.680	1.617	1.617	701.700	703.900	74.364%	73.205%
σ		0.282%	0.490	0.042	0.042	7.576	11.080	0.448%	0.122%
%RSD		0.461	3.340	2.577	2.575	1.080	1.574	0.603	0.166

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:24	2.077	2.066	282.300	275.000	277.700	66.394%
2	21:42:07	2.303	2.182	295.500	287.100	290.600	66.027%
3	21:42:50	2.205	2.189	296.500	287.700	290.800	65.548%
x		2.195	2.145	291.400	283.200	286.400	65.990%
σ		0.113	0.069	7.936	7.167	7.516	0.424%
%RSD		5.153	3.228	2.723	2.530	2.625	0.643

CCV 664806 12/27/2012 9:47:56 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:39	63.713%	101.400	94.310	98.810	0.000	48730.000	48020.000	49530.000
2	21:49:22	62.815%	102.600	96.700	101.100	0.000	49200.000	47340.000	49010.000
3	21:50:04	65.607%	101.700	99.040	100.200	0.000	47640.000	46620.000	48310.000
x		64.045%	101.885%	96.685%	100.050%	0.000	97.048%	94.653%	97.898%
σ		1.426%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.226	0.579	2.442	1.167	0.000	1.648	1.478	1.250

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:39	510.200	5135.000	0.000	48380.000	47890.000	51030.000	72.697%	98.980
2	21:49:22	520.700	5153.000	0.000	47580.000	47360.000	50470.000	73.018%	98.600
3	21:50:04	508.200	5046.000	0.000	46970.000	46890.000	50410.000	74.544%	96.640
x		102.605%	102.226%	0.000	95.287%	94.760%	101.278%	73.420%	98.076%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.987%	n/a
%RSD		1.310	1.116	0.000	1.478	1.052	0.678	1.344	1.279

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:39	97.640	97.350	521.100	26430.000	26030.000	95.200	95.380	96.370
2	21:49:22	97.120	97.550	521.700	26210.000	25510.000	95.120	95.200	95.880
3	21:50:04	98.400	97.550	514.800	25770.000	25360.000	93.740	93.450	95.230
x		97.721%	97.481%	103.841%	104.553%	102.539%	94.688%	94.674%	95.824%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.655	0.118	0.731	1.291	1.374	0.864	1.129	0.596

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:39	95.420	104.700	104.300	96.750	101.800	100.200	0.000	95.590
2	21:49:22	96.580	104.500	104.300	97.630	102.400	100.500	0.000	94.620
3	21:50:04	95.310	103.600	101.900	96.120	101.900	101.100	0.000	95.000
x		95.768%	104.253%	103.520%	96.833%	102.036%	100.586%	0.000	95.071%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.738	0.562	1.325	0.783	0.354	0.498	0.000	0.510

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:39	67.474%	92.560	94.190	66.099%	93.800	95.600	99.520	100.600
2	21:49:22	69.001%	95.140	96.350	67.419%	93.840	94.820	98.410	99.890
3	21:50:04	70.653%	95.060	95.740	69.491%	93.770	94.520	98.010	101.200
x		69.043%	94.252%	95.429%	67.670%	93.803%	94.980%	98.644%	100.565%
σ		1.590%	n/a	n/a	1.710%	n/a	n/a	n/a	n/a
%RSD		2.302	1.553	1.165	2.527	0.039	0.589	0.791	0.645

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:39	68.260%	94.810	96.680	97.690	94.220	94.540	70.701%	71.977%
2	21:49:22	70.392%	95.350	96.760	96.830	92.120	93.220	74.060%	74.870%
3	21:50:04	71.413%	96.360	96.300	96.580	92.170	93.490	74.983%	76.495%
x		70.022%	95.508%	96.581%	97.032%	92.837%	93.753%	73.248%	74.448%
σ		1.609%	n/a	n/a	n/a	n/a	n/a	2.253%	2.288%
%RSD		2.298	0.825	0.259	0.597	1.287	0.746	3.076	3.073

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:39	92.820	93.210	94.180	93.670	93.840	71.408%
2	21:49:22	94.250	94.990	96.260	95.310	95.470	73.141%
3	21:50:04	94.420	95.100	95.640	95.650	95.360	73.835%
x		93.828%	94.435%	95.358%	94.877%	94.890%	72.795%
σ		n/a	n/a	n/a	n/a	n/a	1.250%
%RSD		0.938	1.127	1.120	1.115	0.962	1.718

CCB6 12/27/2012 9:55:56 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:39	93.220%	-0.002	1.137	1.497	0.000	4.699	2.147	1.978
2	21:57:22	93.714%	-0.011	1.459	1.444	0.000	4.664	2.273	2.149
3	21:58:05	90.821%	0.000	1.366	1.382	0.000	4.258	2.428	2.106
x		92.585%	-0.004	1.321	1.441	0.000	4.540	2.283	2.078
σ		1.547%	0.006	0.166	0.058	0.000	0.246	0.141	0.089
%RSD		1.671	142.400	12.570	4.005	0.000	5.407	6.173	4.290
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:39	0.975	-3.870	0.000	-12.560	20.640	16.210	102.391%	-0.059
2	21:57:22	0.916	-4.160	0.000	-13.530	12.140	18.160	99.609%	-0.025
3	21:58:05	1.005	-3.758	0.000	-13.860	21.860	16.300	98.527%	-0.086
x		0.966	-3.929	0.000	-13.320	18.210	16.890	100.176%	-0.057
σ		0.045	0.207	0.000	0.674	5.295	1.099	1.993%	0.031
%RSD		4.675	5.276	0.000	5.062	29.070	6.507	1.990	54.180
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:39	-0.020	-0.092	0.322	-14.030	10.220	-0.005	-0.002	-0.004
2	21:57:22	-0.015	-0.111	0.318	-17.660	8.047	-0.003	0.005	-0.020
3	21:58:05	-0.043	-0.112	0.315	-19.580	5.757	-0.002	0.015	-0.004
x		-0.026	-0.105	0.319	-17.090	8.009	-0.003	0.006	-0.009
σ		0.015	0.011	0.003	2.816	2.233	0.002	0.008	0.009
%RSD		56.840	10.500	1.058	16.480	27.880	49.830	143.400	99.700
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:39	0.012	2.191	2.174	-0.373	-0.795	-1.742	0.000	0.020
2	21:57:22	-0.002	2.301	2.415	-0.355	-0.761	-1.456	0.000	0.023
3	21:58:05	-0.009	2.080	2.149	-0.383	-0.993	-1.801	0.000	0.021
x		0.000	2.191	2.246	-0.370	-0.850	-1.666	0.000	0.021
σ		0.011	0.111	0.147	0.014	0.126	0.185	0.000	0.001
%RSD		3746.000	5.043	6.541	3.709	14.800	11.090	0.000	6.879
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:39	83.085%	0.163	0.195	84.205%	-0.005	-0.005	-0.105	-0.071
2	21:57:22	83.312%	0.143	0.153	83.820%	-0.003	-0.002	-0.149	-0.111
3	21:58:05	83.557%	0.111	0.133	83.700%	-0.001	-0.002	-0.080	-0.058
x		83.318%	0.139	0.160	83.908%	-0.003	-0.003	-0.111	-0.080
σ		0.236%	0.026	0.032	0.264%	0.002	0.002	0.035	0.027
%RSD		0.283	18.710	19.810	0.315	68.270	55.470	31.580	34.290
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:39	83.667%	-0.106	0.024	0.033	0.021	0.009	81.352%	82.737%
2	21:57:22	84.291%	-0.146	0.003	0.008	0.009	0.020	83.535%	84.529%
3	21:58:05	85.081%	-0.197	0.017	0.022	0.020	0.004	84.795%	85.336%
x		84.346%	-0.150	0.015	0.021	0.017	0.011	83.227%	84.200%
σ		0.709%	0.045	0.011	0.012	0.007	0.008	1.742%	1.330%
%RSD		0.840	30.250	72.140	58.690	42.010	75.720	2.092	1.579
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:56:39	0.010	0.004	0.101	0.107	0.099	86.156%		
2	21:57:22	0.004	0.006	0.108	0.076	0.086	86.876%		
3	21:58:05	0.002	0.002	0.079	0.084	0.073	87.973%		
x		0.005	0.004	0.096	0.089	0.086	87.002%		
σ		0.004	0.002	0.015	0.016	0.013	0.915%		
%RSD		74.240	56.390	15.960	18.050	14.800	1.052		

240-18544-F-14-A 12/27/2012 10:00:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:00	61.911%	6.010	24.340	25.090	0.000	294.200	25240.000	26170.000
2	22:01:43	60.687%	6.062	22.570	25.350	0.000	289.100	25010.000	26490.000
3	22:02:26	60.323%	5.856	24.130	25.170	0.000	287.700	24750.000	26230.000
x		60.974%	5.976	23.680	25.200	0.000	290.400	25000.000	26300.000
σ		0.832%	0.107	0.967	0.134	0.000	3.395	243.500	166.900
%RSD		1.364	1.788	4.084	0.531	0.000	1.169	0.974	0.634

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:00	93990.000	1721.000	0.000	11800.000	9398.000	9876.000	69.359%	534.000
2	22:01:43	94460.000	1720.000	0.000	11430.000	9298.000	9887.000	67.459%	536.200
3	22:02:26	94400.000	1673.000	0.000	11490.000	9494.000	9943.000	65.819%	531.100
x		94280.000	1705.000	0.000	11570.000	9397.000	9902.000	67.546%	533.800
σ		253.700	27.230	0.000	195.400	97.680	36.430	1.772%	2.560
%RSD		0.269	1.597	0.000	1.688	1.040	0.368	2.623	0.480

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:00	184.600	205.100	7145.000	359900.000	368800.000	117.000	291.400	241.200
2	22:01:43	182.400	205.200	7196.000	360400.000	366900.000	117.100	294.000	243.500
3	22:02:26	185.800	205.600	7197.000	365800.000	371400.000	117.500	294.900	247.300
x		184.300	205.300	7179.000	362100.000	369000.000	117.200	293.400	244.000
σ		1.727	0.270	29.750	3235.000	2263.000	0.284	1.816	3.032
%RSD		0.937	0.131	0.414	0.894	0.613	0.242	0.619	1.243

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:00	242.900	867.000	879.100	184.700	3.056	4.632	0.000	66.050
2	22:01:43	244.800	875.000	888.600	183.400	2.692	4.457	0.000	67.070
3	22:02:26	246.500	879.400	893.400	184.900	2.725	4.505	0.000	67.180
x		244.800	873.800	887.000	184.400	2.824	4.531	0.000	66.770
σ		1.794	6.269	7.250	0.810	0.201	0.090	0.000	0.623
%RSD		0.733	0.717	0.817	0.440	7.116	1.993	0.000	0.933

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:00	0.000	13.090	13.260	59.323%	0.257	0.137	2.656	2.039
2	22:01:43	0.000	13.240	13.100	58.380%	0.258	0.143	2.712	2.129
3	22:02:26	0.000	13.380	13.100	57.967%	0.281	0.135	2.551	2.119
x		0.000	13.240	13.150	58.557%	0.265	0.138	2.640	2.096
σ		0.000	0.146	0.090	0.695%	0.014	0.004	0.082	0.049
%RSD		0.000	1.100	0.685	1.187	5.153	2.783	3.093	2.333

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:00	61.289%	13.680	1.558	1.599	415.300	416.700	73.718%	72.443%
2	22:01:43	61.092%	13.550	1.536	1.632	414.000	414.200	73.836%	72.706%
3	22:02:26	60.602%	13.470	1.548	1.545	415.400	417.200	74.027%	73.016%
x		60.994%	13.560	1.547	1.592	414.900	416.000	73.860%	72.722%
σ		0.354%	0.106	0.011	0.044	0.791	1.625	0.156%	0.287%
%RSD		0.580	0.782	0.705	2.753	0.191	0.391	0.211	0.394

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:00	1.762	1.842	193.400	190.600	191.200	64.344%
2	22:01:43	1.902	1.865	193.200	192.200	192.300	64.506%
3	22:02:26	1.869	1.909	193.200	192.200	192.300	64.332%
x		1.844	1.872	193.300	191.700	191.900	64.394%
σ		0.073	0.034	0.094	0.959	0.646	0.097%
%RSD		3.973	1.814	0.049	0.500	0.337	0.151

240-18544-F-15-A 12/27/2012 10:04:35 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:18	59.369%	5.940	24.180	24.200	0.000	267.900	21570.000	22700.000
2	22:06:01	58.830%	5.836	24.030	24.840	0.000	270.100	21800.000	22790.000
3	22:06:44	58.218%	5.816	24.410	25.700	0.000	271.800	22090.000	22930.000
x		58.806%	5.864	24.210	24.910	0.000	269.900	21820.000	22810.000
σ		0.576%	0.067	0.190	0.753	0.000	1.933	260.500	116.200
%RSD		0.979	1.139	0.786	3.023	0.000	0.716	1.194	0.510

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:18	81900.000	1575.000	0.000	10740.000	7352.000	7883.000	66.450%	393.300
2	22:06:01	82610.000	1571.000	0.000	10770.000	7660.000	8012.000	65.521%	401.200
3	22:06:44	82370.000	1558.000	0.000	10820.000	7742.000	8009.000	65.178%	398.400
x		82290.000	1568.000	0.000	10780.000	7585.000	7968.000	65.716%	397.600
σ		360.900	8.970	0.000	38.680	205.600	73.890	0.658%	3.983
%RSD		0.439	0.572	0.000	0.359	2.711	0.927	1.001	1.002

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:18	158.000	188.300	5905.000	322400.000	326400.000	104.600	266.300	218.800
2	22:06:01	160.600	187.600	5935.000	325700.000	328300.000	107.000	270.200	222.900
3	22:06:44	157.100	189.600	5978.000	328300.000	330000.000	108.200	269.000	222.500
x		158.600	188.500	5939.000	325400.000	328200.000	106.600	268.500	221.400
σ		1.775	1.033	36.490	2960.000	1794.000	1.813	1.985	2.256
%RSD		1.119	0.548	0.614	0.909	0.546	1.700	0.740	1.019

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:18	219.100	852.700	855.000	196.900	2.421	3.895	0.000	57.420
2	22:06:01	223.500	873.100	878.100	200.700	2.540	3.485	0.000	59.230
3	22:06:44	224.100	870.200	882.300	201.200	2.083	3.403	0.000	60.030
x		222.200	865.300	871.800	199.600	2.348	3.594	0.000	58.890
σ		2.748	11.020	14.680	2.350	0.237	0.263	0.000	1.340
%RSD		1.237	1.274	1.684	1.177	10.090	7.325	0.000	2.275

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:18	0.000	11.380	11.550	58.599%	0.219	0.114	2.477	1.999
2	22:06:01	0.000	11.830	11.840	57.682%	0.236	0.122	2.320	1.891
3	22:06:44	0.000	12.020	12.270	57.261%	0.247	0.134	2.458	2.100
x		0.000	11.740	11.890	57.847%	0.234	0.123	2.418	1.996
σ		0.000	0.325	0.365	0.684%	0.014	0.010	0.086	0.105
%RSD		0.000	2.767	3.069	1.183	6.044	8.284	3.541	5.237

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:18	59.822%	10.230	1.486	1.484	369.200	372.200	71.667%	70.507%
2	22:06:01	60.272%	10.450	1.525	1.521	377.500	375.200	72.316%	71.719%
3	22:06:44	60.120%	10.160	1.472	1.573	377.900	377.800	72.793%	71.913%
x		60.071%	10.280	1.494	1.526	374.900	375.000	72.259%	71.379%
σ		0.229%	0.153	0.027	0.044	4.915	2.784	0.565%	0.762%
%RSD		0.381	1.484	1.835	2.909	1.311	0.742	0.782	1.067

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:18	1.558	1.600	166.600	164.800	165.500	64.991%
2	22:06:01	1.706	1.723	171.900	170.700	170.400	64.895%
3	22:06:44	1.574	1.629	172.100	169.900	170.700	65.496%
x		1.613	1.651	170.200	168.500	168.800	65.127%
σ		0.082	0.064	3.104	3.169	2.934	0.323%
%RSD		5.063	3.896	1.824	1.881	1.738	0.496

240-18544-G-16-A 12/27/2012 10:08:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:37	61.575%	4.787	31.450	32.660	0.000	445.800	24810.000	26060.000
2	22:10:21	60.245%	4.904	32.090	32.550	0.000	440.300	24530.000	25870.000
3	22:11:04	61.514%	4.942	32.390	32.270	0.000	445.500	24530.000	25630.000
x		61.111%	4.878	31.970	32.490	0.000	443.900	24620.000	25850.000
σ		0.751%	0.081	0.480	0.202	0.000	3.087	159.800	216.000
%RSD		1.229	1.657	1.503	0.621	0.000	0.695	0.649	0.835

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:37	82020.000	1817.000	0.000	14410.000	20930.000	21900.000	67.861%	416.900
2	22:10:21	81030.000	1920.000	0.000	14600.000	21250.000	21970.000	65.827%	418.800
3	22:11:04	80140.000	1904.000	0.000	14370.000	20910.000	21970.000	66.629%	414.700
x		81060.000	1880.000	0.000	14460.000	21030.000	21950.000	66.772%	416.800
σ		940.300	55.720	0.000	122.200	193.100	41.380	1.025%	2.040
%RSD		1.160	2.963	0.000	0.845	0.918	0.189	1.535	0.489

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:37	142.100	163.300	3515.000	239400.000	238500.000	87.750	215.800	160.400
2	22:10:21	144.300	164.400	3594.000	245900.000	246500.000	91.320	222.500	164.600
3	22:11:04	140.300	164.700	3611.000	246400.000	244700.000	90.400	219.100	164.200
x		142.300	164.200	3573.000	243900.000	243200.000	89.820	219.100	163.100
σ		2.019	0.737	51.000	3912.000	4180.000	1.856	3.356	2.323
%RSD		1.419	0.449	1.427	1.604	1.719	2.066	1.532	1.424

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:37	156.800	646.700	660.500	141.400	1.610	2.894	0.000	83.170
2	22:10:21	166.300	675.300	686.100	144.300	1.720	2.665	0.000	85.320
3	22:11:04	165.100	665.800	678.800	143.700	1.750	2.251	0.000	84.730
x		162.700	662.600	675.100	143.100	1.693	2.603	0.000	84.410
σ		5.183	14.550	13.180	1.544	0.073	0.326	0.000	1.110
%RSD		3.186	2.197	1.953	1.079	4.333	12.520	0.000	1.315

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:37	0.000	8.943	8.732	58.752%	0.303	0.190	1.876	1.416
2	22:10:21	0.000	8.890	8.966	58.494%	0.331	0.187	2.069	1.725
3	22:11:04	0.000	8.937	8.835	58.393%	0.314	0.197	2.032	1.485
x		0.000	8.923	8.845	58.547%	0.316	0.191	1.992	1.542
σ		0.000	0.029	0.117	0.185%	0.014	0.005	0.103	0.162
%RSD		0.000	0.324	1.324	0.316	4.418	2.544	5.155	10.510

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:37	60.281%	12.480	1.076	1.042	372.000	370.700	70.584%	69.972%
2	22:10:21	60.703%	12.450	1.097	1.086	374.500	375.700	71.764%	71.195%
3	22:11:04	61.223%	12.600	1.001	1.011	372.600	373.000	72.260%	71.615%
x		60.736%	12.510	1.058	1.046	373.000	373.100	71.536%	70.927%
σ		0.472%	0.081	0.051	0.037	1.339	2.513	0.861%	0.854%
%RSD		0.777	0.647	4.774	3.571	0.359	0.673	1.204	1.203

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:37	1.207	1.222	120.100	118.500	119.000	65.651%
2	22:10:21	1.257	1.240	123.100	120.500	121.100	65.869%
3	22:11:04	1.274	1.254	123.000	121.800	121.800	65.704%
x		1.246	1.239	122.100	120.200	120.600	65.741%
σ		0.035	0.016	1.722	1.652	1.439	0.114%
%RSD		2.782	1.318	1.411	1.374	1.193	0.173

240-18544-F-17-A 12/27/2012 10:13:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:58	62.187%	5.361	26.570	27.150	0.000	348.600	19620.000	20070.000
2	22:14:41	58.853%	5.393	27.610	28.540	0.000	340.900	19600.000	20500.000
3	22:15:24	58.527%	5.235	27.210	28.210	0.000	338.600	19140.000	20200.000
x		59.856%	5.329	27.130	27.970	0.000	342.700	19450.000	20260.000
σ		2.026%	0.084	0.526	0.724	0.000	5.275	275.100	221.200
%RSD		3.384	1.568	1.940	2.590	0.000	1.539	1.414	1.092

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:58	73290.000	1899.000	0.000	9418.000	10540.000	10840.000	67.255%	387.600
2	22:14:41	74310.000	2027.000	0.000	9702.000	10630.000	11130.000	65.183%	395.000
3	22:15:24	73760.000	2036.000	0.000	9451.000	10670.000	11150.000	64.882%	390.100
x		73790.000	1987.000	0.000	9524.000	10610.000	11040.000	65.773%	390.900
σ		507.200	76.640	0.000	155.300	63.470	173.600	1.292%	3.761
%RSD		0.687	3.857	0.000	1.630	0.598	1.573	1.964	0.962

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:58	148.300	150.900	5214.000	333800.000	338700.000	85.120	225.100	180.200
2	22:14:41	150.100	151.700	5280.000	337700.000	343500.000	86.960	228.100	180.500
3	22:15:24	152.200	152.400	5245.000	337100.000	341100.000	85.640	227.800	180.200
x		150.200	151.700	5246.000	336200.000	341100.000	85.910	227.000	180.300
σ		1.935	0.732	32.760	2133.000	2385.000	0.944	1.691	0.143
%RSD		1.288	0.482	0.624	0.635	0.699	1.099	0.745	0.079

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:58	180.700	701.200	705.400	167.400	2.389	3.444	0.000	60.700
2	22:14:41	182.000	707.200	715.600	168.100	2.026	3.536	0.000	62.060
3	22:15:24	181.200	708.400	722.400	169.300	2.349	4.173	0.000	62.110
x		181.300	705.600	714.500	168.300	2.255	3.718	0.000	61.620
σ		0.622	3.880	8.566	0.953	0.199	0.397	0.000	0.800
%RSD		0.343	0.550	1.199	0.566	8.829	10.680	0.000	1.298

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:58	0.000	11.660	11.440	56.966%	0.257	0.156	2.343	1.790
2	22:14:41	0.000	11.620	11.890	55.990%	0.287	0.178	2.316	1.644
3	22:15:24	0.000	11.890	11.830	56.147%	0.268	0.161	2.089	1.627
x		0.000	11.720	11.720	56.368%	0.271	0.165	2.249	1.687
σ		0.000	0.147	0.246	0.524%	0.015	0.012	0.139	0.089
%RSD		0.000	1.253	2.101	0.929	5.594	7.093	6.192	5.305

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:58	58.855%	13.410	1.319	1.357	330.200	333.600	70.591%	68.680%
2	22:14:41	58.040%	13.920	1.345	1.432	341.200	341.100	70.656%	69.423%
3	22:15:24	58.727%	13.660	1.401	1.359	340.400	340.700	71.294%	69.814%
x		58.541%	13.660	1.355	1.383	337.300	338.500	70.847%	69.305%
σ		0.438%	0.258	0.042	0.042	6.111	4.212	0.389%	0.576%
%RSD		0.748	1.888	3.100	3.072	1.812	1.244	0.549	0.831

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:58	1.453	1.448	157.500	155.900	156.000	62.435%
2	22:14:41	1.411	1.499	161.900	161.800	161.300	62.424%
3	22:15:24	1.495	1.444	161.800	160.400	160.600	63.094%
x		1.453	1.464	160.400	159.400	159.300	62.651%
σ		0.042	0.031	2.521	3.095	2.898	0.383%
%RSD		2.889	2.085	1.572	1.942	1.819	0.612

240-18544-G-20-A 12/27/2012 10:17:35 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:17	58.933%	5.259	25.880	26.730	0.000	391.600	26230.000	27290.000
2	22:19:07	59.580%	5.107	25.500	26.820	0.000	394.400	26220.000	27580.000
3	22:19:50	59.494%	5.236	26.540	26.610	0.000	392.100	26320.000	27520.000
x		59.336%	5.200	25.970	26.720	0.000	392.700	26260.000	27460.000
σ		0.351%	0.082	0.524	0.108	0.000	1.503	53.690	150.900
%RSD		0.592	1.579	2.018	0.403	0.000	0.383	0.204	0.549

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:17	78880.000	1680.000	0.000	10430.000	14000.000	14490.000	64.930%	404.600
2	22:19:07	78700.000	1635.000	0.000	10320.000	13640.000	14580.000	63.933%	410.400
3	22:19:50	79520.000	1697.000	0.000	10200.000	13700.000	14650.000	64.287%	416.800
x		79030.000	1671.000	0.000	10320.000	13780.000	14570.000	64.383%	410.600
σ		432.700	31.960	0.000	115.200	194.300	75.640	0.506%	6.141
%RSD		0.547	1.913	0.000	1.116	1.411	0.519	0.785	1.496

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:17	133.700	143.600	3797.000	243800.000	243200.000	106.000	244.100	162.700
2	22:19:07	135.700	145.900	3839.000	244800.000	246000.000	108.600	253.100	168.700
3	22:19:50	134.100	145.800	3830.000	244500.000	246000.000	107.300	250.000	165.900
x		134.500	145.100	3822.000	244400.000	245000.000	107.300	249.100	165.800
σ		1.090	1.277	21.710	512.900	1602.000	1.255	4.582	3.007
%RSD		0.810	0.880	0.568	0.210	0.654	1.169	1.840	1.814

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:17	162.100	718.100	727.500	130.400	1.439	2.796	0.000	78.810
2	22:19:07	168.400	740.400	749.900	132.400	1.280	2.690	0.000	80.150
3	22:19:50	165.800	731.800	742.900	133.700	1.365	3.826	0.000	79.410
x		165.500	730.100	740.100	132.200	1.361	3.104	0.000	79.460
σ		3.165	11.270	11.480	1.664	0.080	0.628	0.000	0.671
%RSD		1.913	1.544	1.552	1.259	5.845	20.230	0.000	0.844

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:17	0.000	6.474	6.533	57.159%	0.245	0.149	2.018	1.614
2	22:19:07	0.000	6.798	6.808	56.848%	0.285	0.164	2.393	1.749
3	22:19:50	0.000	6.493	6.644	56.326%	0.266	0.157	2.194	1.654
x		0.000	6.589	6.661	56.778%	0.265	0.157	2.201	1.672
σ		0.000	0.182	0.138	0.421%	0.020	0.008	0.187	0.069
%RSD		0.000	2.762	2.074	0.741	7.638	4.799	8.514	4.137

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:17	57.804%	12.580	0.920	0.823	393.100	390.800	68.843%	68.309%
2	22:19:07	58.651%	12.630	0.840	0.903	397.400	396.200	69.808%	69.558%
3	22:19:50	59.118%	12.720	0.867	0.894	395.500	395.500	69.478%	68.930%
x		58.524%	12.650	0.876	0.873	395.300	394.100	69.376%	68.932%
σ		0.666%	0.068	0.041	0.044	2.156	2.929	0.491%	0.625%
%RSD		1.138	0.540	4.690	5.063	0.545	0.743	0.707	0.906

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:17	1.354	1.284	114.800	113.500	113.300	63.118%
2	22:19:07	1.315	1.316	117.600	116.100	117.100	63.241%
3	22:19:50	1.369	1.340	119.700	117.000	117.600	63.206%
x		1.346	1.313	117.300	115.500	116.000	63.189%
σ		0.027	0.028	2.483	1.811	2.356	0.063%
%RSD		2.036	2.146	2.116	1.567	2.031	0.100

240-18544-G-21-A 12/27/2012 10:22:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:44	58.219%	6.882	24.660	25.610	0.000	370.200	25680.000	27010.000
2	22:23:27	56.804%	7.020	25.800	26.680	0.000	378.100	25790.000	27070.000
3	22:24:10	56.263%	7.201	24.550	26.480	0.000	369.300	25740.000	26970.000
x		57.096%	7.034	25.000	26.260	0.000	372.500	25740.000	27010.000
σ		1.010%	0.160	0.692	0.566	0.000	4.875	58.370	49.490
%RSD		1.769	2.274	2.767	2.155	0.000	1.309	0.227	0.183

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:44	104000.000	1620.000	0.000	11070.000	8406.000	8926.000	64.558%	515.500
2	22:23:27	104500.000	1640.000	0.000	11110.000	8786.000	8952.000	63.714%	517.900
3	22:24:10	104300.000	1630.000	0.000	11040.000	8550.000	8956.000	63.123%	513.200
x		104200.000	1630.000	0.000	11070.000	8581.000	8945.000	63.798%	515.500
σ		267.600	9.827	0.000	34.890	191.900	15.990	0.721%	2.338
%RSD		0.257	0.603	0.000	0.315	2.236	0.179	1.131	0.454

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:44	194.000	285.800	5640.000	352800.000	355900.000	119.600	306.300	210.900
2	22:23:27	195.200	285.700	5651.000	351700.000	356200.000	120.700	307.000	211.400
3	22:24:10	191.900	283.100	5678.000	355800.000	362300.000	123.100	309.900	213.100
x		193.700	284.900	5656.000	353400.000	358100.000	121.100	307.700	211.800
σ		1.659	1.509	19.260	2116.000	3625.000	1.778	1.899	1.121
%RSD		0.857	0.530	0.341	0.599	1.012	1.467	0.617	0.529

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:44	211.300	984.100	998.000	201.300	2.293	3.912	0.000	60.030
2	22:23:27	210.800	992.300	999.700	203.300	2.660	3.995	0.000	60.660
3	22:24:10	215.200	997.700	1015.000	204.800	2.850	3.411	0.000	61.150
x		212.500	991.400	1004.000	203.100	2.601	3.773	0.000	60.610
σ		2.428	6.848	9.233	1.774	0.283	0.316	0.000	0.560
%RSD		1.143	0.691	0.919	0.873	10.880	8.370	0.000	0.924

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:44	0.000	17.300	16.590	55.780%	0.250	0.177	2.405	1.938
2	22:23:27	0.000	17.290	16.720	55.430%	0.277	0.182	2.487	2.082
3	22:24:10	0.000	17.340	17.070	54.779%	0.279	0.169	2.526	1.885
x		0.000	17.310	16.790	55.330%	0.269	0.176	2.473	1.968
σ		0.000	0.021	0.247	0.508%	0.016	0.007	0.062	0.102
%RSD		0.000	0.124	1.473	0.918	6.138	3.788	2.491	5.178

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:44	57.070%	12.300	1.651	1.593	451.100	451.100	66.577%	66.440%
2	22:23:27	57.974%	12.480	1.612	1.684	448.900	450.100	68.436%	67.562%
3	22:24:10	58.064%	12.450	1.648	1.615	451.200	452.000	68.733%	67.827%
x		57.703%	12.410	1.637	1.631	450.400	451.000	67.915%	67.276%
σ		0.550%	0.095	0.022	0.047	1.293	0.947	1.169%	0.736%
%RSD		0.952	0.765	1.327	2.907	0.287	0.210	1.721	1.095

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:44	1.632	1.699	194.500	192.100	192.500	61.915%
2	22:23:27	1.752	1.740	198.500	196.700	196.800	62.038%
3	22:24:10	1.762	1.748	198.400	195.900	196.800	62.594%
x		1.715	1.729	197.200	194.900	195.300	62.182%
σ		0.072	0.026	2.300	2.480	2.487	0.362%
%RSD		4.208	1.533	1.167	1.272	1.273	0.582

240-18544-G-22-A 12/27/2012 10:26:22 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	56.992%	7.150	30.040	31.020	0.000	388.100	27910.000	29400.000
2	22:27:48	56.477%	6.579	30.880	31.250	0.000	379.800	27440.000	29190.000
3	22:28:30	57.897%	6.648	29.730	30.880	0.000	381.800	27580.000	28870.000
x		57.122%	6.793	30.220	31.050	0.000	383.300	27640.000	29150.000
σ		0.719%	0.311	0.596	0.190	0.000	4.322	244.700	270.300
%RSD		1.258	4.585	1.974	0.613	0.000	1.128	0.885	0.927

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	116800.000	1961.000	0.000	12650.000	9009.000	9425.000	65.289%	436.300
2	22:27:48	115700.000	2015.000	0.000	12510.000	9142.000	9434.000	63.291%	441.800
3	22:28:30	114200.000	1997.000	0.000	12620.000	9430.000	9477.000	63.471%	444.500
x		115500.000	1991.000	0.000	12590.000	9194.000	9445.000	64.017%	440.900
σ		1323.000	27.730	0.000	72.360	215.300	27.720	1.105%	4.207
%RSD		1.145	1.393	0.000	0.575	2.341	0.293	1.727	0.954

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	200.800	234.600	5055.000	313400.000	316600.000	132.400	283.800	216.800
2	22:27:48	197.000	236.200	5184.000	322000.000	322000.000	133.400	287.400	220.500
3	22:28:30	197.000	236.100	5205.000	319400.000	321900.000	134.700	288.600	221.400
x		198.300	235.600	5148.000	318300.000	320200.000	133.500	286.600	219.600
σ		2.226	0.923	81.430	4402.000	3077.000	1.182	2.505	2.409
%RSD		1.123	0.392	1.582	1.383	0.961	0.885	0.874	1.097

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	215.500	864.000	878.100	197.900	2.813	2.968	0.000	66.300
2	22:27:48	217.800	881.500	890.900	203.600	2.754	3.518	0.000	67.350
3	22:28:30	219.500	878.200	888.100	203.100	2.928	4.148	0.000	67.830
x		217.600	874.600	885.700	201.500	2.832	3.545	0.000	67.160
σ		2.012	9.311	6.691	3.117	0.089	0.591	0.000	0.785
%RSD		0.925	1.065	0.755	1.547	3.130	16.660	0.000	1.168

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	0.000	12.930	13.070	55.049%	0.303	0.157	2.442	1.992
2	22:27:48	0.000	13.280	13.180	55.504%	0.299	0.173	2.193	1.656
3	22:28:30	0.000	13.130	13.170	55.158%	0.317	0.176	2.351	1.860
x		0.000	13.110	13.140	55.237%	0.306	0.169	2.329	1.836
σ		0.000	0.176	0.058	0.238%	0.009	0.010	0.126	0.169
%RSD		0.000	1.343	0.441	0.431	3.097	5.914	5.394	9.215

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	57.393%	13.430	1.446	1.523	471.400	472.300	67.287%	66.978%
2	22:27:48	57.840%	13.750	1.571	1.658	472.400	474.200	68.711%	68.059%
3	22:28:30	57.995%	13.810	1.596	1.637	472.300	473.300	69.108%	68.395%
x		57.743%	13.660	1.538	1.606	472.000	473.200	68.369%	67.811%
σ		0.313%	0.208	0.081	0.072	0.549	0.964	0.958%	0.741%
%RSD		0.542	1.526	5.236	4.509	0.116	0.204	1.401	1.092

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	1.746	1.733	187.900	186.700	186.900	61.923%
2	22:27:48	1.865	1.830	193.000	190.400	190.700	62.338%
3	22:28:30	1.830	1.849	192.500	188.400	190.400	62.623%
x		1.814	1.804	191.100	188.500	189.300	62.295%
σ		0.061	0.062	2.832	1.859	2.110	0.352%
%RSD		3.366	3.462	1.482	0.987	1.115	0.565

240-18544-G-23-A 12/27/2012 10:30:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:25	56.184%	7.226	25.480	25.790	0.000	511.300	37690.000	39120.000
2	22:32:08	56.288%	7.587	26.560	26.730	0.000	516.000	37600.000	39390.000
3	22:32:51	55.863%	7.567	25.590	25.520	0.000	517.100	37620.000	39460.000
x		56.112%	7.460	25.880	26.010	0.000	514.800	37630.000	39320.000
σ		0.221%	0.203	0.596	0.633	0.000	3.097	45.650	180.900
%RSD		0.395	2.720	2.304	2.435	0.000	0.602	0.121	0.460

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:25	127300.000	1619.000	0.000	12270.000	12100.000	12640.000	63.740%	497.400
2	22:32:08	127700.000	1699.000	0.000	12080.000	12310.000	12810.000	62.232%	503.400
3	22:32:51	128000.000	1684.000	0.000	12320.000	12250.000	12920.000	62.286%	502.300
x		127700.000	1667.000	0.000	12230.000	12220.000	12790.000	62.752%	501.000
σ		347.800	42.540	0.000	128.100	107.000	138.700	0.856%	3.165
%RSD		0.273	2.552	0.000	1.048	0.875	1.085	1.364	0.632

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:25	201.200	190.800	3316.000	313600.000	316600.000	110.800	287.000	177.500
2	22:32:08	204.400	195.000	3359.000	318600.000	323500.000	112.300	286.700	179.300
3	22:32:51	204.200	193.600	3338.000	319200.000	320800.000	112.100	290.200	179.800
x		203.300	193.100	3338.000	317100.000	320300.000	111.700	288.000	178.900
σ		1.789	2.114	21.500	3110.000	3452.000	0.792	1.974	1.207
%RSD		0.880	1.094	0.644	0.981	1.078	0.709	0.685	0.675

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:25	175.300	630.100	638.800	163.400	2.643	3.682	0.000	87.440
2	22:32:08	177.500	648.400	651.300	168.700	2.389	4.383	0.000	89.630
3	22:32:51	180.200	645.400	654.500	165.400	2.472	4.061	0.000	90.190
x		177.600	641.300	648.200	165.800	2.501	4.042	0.000	89.080
σ		2.466	9.836	8.292	2.686	0.130	0.351	0.000	1.454
%RSD		1.388	1.534	1.279	1.619	5.181	8.680	0.000	1.632

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:25	0.000	8.729	8.837	53.855%	0.316	0.156	2.062	1.439
2	22:32:08	0.000	8.974	8.984	53.292%	0.302	0.173	2.036	1.535
3	22:32:51	0.000	8.945	9.268	53.564%	0.336	0.171	1.852	1.340
x		0.000	8.883	9.029	53.570%	0.318	0.167	1.983	1.438
σ		0.000	0.134	0.219	0.282%	0.017	0.010	0.115	0.097
%RSD		0.000	1.505	2.426	0.526	5.363	5.775	5.775	6.778

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:25	56.071%	13.130	1.059	1.008	605.700	608.100	65.483%	64.755%
2	22:32:08	56.010%	13.650	0.947	1.045	621.200	617.000	66.440%	65.377%
3	22:32:51	56.508%	13.350	0.996	1.000	617.800	621.600	66.679%	66.042%
x		56.196%	13.370	1.001	1.017	614.900	615.600	66.201%	65.391%
σ		0.272%	0.258	0.056	0.024	8.144	6.851	0.633%	0.643%
%RSD		0.484	1.930	5.602	2.345	1.324	1.113	0.956	0.984

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:31:25	1.492	1.586	124.600	122.000	122.900	59.341%
2	22:32:08	1.624	1.624	127.900	125.500	126.400	60.231%
3	22:32:51	1.632	1.653	127.200	124.800	126.000	60.366%
x		1.583	1.621	126.600	124.100	125.100	59.980%
σ		0.079	0.034	1.765	1.837	1.918	0.557%
%RSD		4.980	2.070	1.395	1.480	1.533	0.928

240-18544-G-24-A 12/27/2012 10:35:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:46	55.326%	8.631	29.470	31.370	0.000	638.800	41100.000	42480.000
2	22:36:29	52.124%	8.569	31.030	31.170	0.000	608.100	41230.000	43640.000
3	22:37:12	53.001%	8.285	29.440	31.510	0.000	604.900	40850.000	42980.000
x		53.484%	8.495	29.980	31.350	0.000	617.300	41060.000	43030.000
σ		1.655%	0.185	0.906	0.171	0.000	18.690	194.100	581.500
%RSD		3.094	2.173	3.023	0.545	0.000	3.027	0.473	1.351

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:46	145100.000	1699.000	0.000	14080.000	12730.000	13090.000	61.942%	462.600
2	22:36:29	149800.000	1778.000	0.000	13900.000	12640.000	13450.000	60.923%	462.700
3	22:37:12	146600.000	1732.000	0.000	14050.000	12600.000	13330.000	61.596%	462.300
x		147200.000	1736.000	0.000	14010.000	12660.000	13290.000	61.487%	462.500
σ		2427.000	39.750	0.000	96.700	63.030	181.400	0.518%	0.242
%RSD		1.649	2.289	0.000	0.690	0.498	1.365	0.843	0.052

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:46	227.700	221.000	4193.000	348000.000	353500.000	135.500	307.100	196.900
2	22:36:29	227.700	217.100	4186.000	346400.000	352600.000	136.100	304.800	198.700
3	22:37:12	227.800	217.700	4204.000	345300.000	351400.000	135.600	308.900	198.500
x		227.800	218.600	4194.000	346600.000	352500.000	135.700	306.900	198.000
σ		0.032	2.095	9.043	1354.000	1072.000	0.336	2.018	0.970
%RSD		0.014	0.958	0.216	0.391	0.304	0.248	0.657	0.489

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:46	196.500	706.500	717.900	182.000	3.159	4.316	0.000	96.460
2	22:36:29	197.700	714.700	730.400	186.800	3.254	4.893	0.000	98.320
3	22:37:12	198.600	711.400	721.300	186.600	3.130	3.295	0.000	98.120
x		197.600	710.900	723.200	185.100	3.181	4.168	0.000	97.630
σ		1.027	4.114	6.458	2.754	0.065	0.809	0.000	1.023
%RSD		0.520	0.579	0.893	1.487	2.046	19.410	0.000	1.048

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:46	0.000	10.120	10.300	53.283%	0.322	0.160	2.278	1.635
2	22:36:29	0.000	10.190	10.390	52.906%	0.321	0.166	2.039	1.505
3	22:37:12	0.000	9.936	10.260	53.020%	0.326	0.203	2.145	1.592
x		0.000	10.080	10.320	53.070%	0.323	0.176	2.154	1.577
σ		0.000	0.130	0.067	0.194%	0.003	0.023	0.120	0.066
%RSD		0.000	1.290	0.650	0.365	0.849	13.070	5.563	4.177

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:46	55.542%	13.250	1.120	1.147	643.100	647.600	65.017%	64.412%
2	22:36:29	55.641%	13.590	1.086	1.154	655.200	655.100	66.341%	65.662%
3	22:37:12	55.880%	13.480	1.153	1.121	653.300	656.000	66.683%	66.098%
x		55.688%	13.440	1.120	1.141	650.500	652.900	66.014%	65.391%
σ		0.174%	0.178	0.033	0.017	6.474	4.601	0.880%	0.875%
%RSD		0.312	1.323	2.989	1.530	0.995	0.705	1.333	1.338

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:46	1.723	1.718	143.900	140.600	141.500	59.716%
2	22:36:29	1.769	1.789	147.200	143.800	145.500	60.254%
3	22:37:12	1.861	1.806	147.700	144.100	145.300	60.968%
x		1.784	1.771	146.300	142.800	144.100	60.313%
σ		0.070	0.047	2.045	1.962	2.229	0.628%
%RSD		3.935	2.635	1.398	1.374	1.547	1.042

240-18544-G-25-A 12/27/2012 10:39:24 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:07	56.324%	5.524	22.420	23.130	0.000	296.200	20940.000	21830.000
2	22:40:50	56.659%	5.264	22.300	22.780	0.000	298.300	20930.000	21720.000
3	22:41:33	57.467%	5.249	22.310	22.380	0.000	288.800	20580.000	21570.000
x		56.817%	5.346	22.340	22.760	0.000	294.400	20820.000	21710.000
σ		0.588%	0.155	0.062	0.378	0.000	5.033	203.200	127.900
%RSD		1.034	2.893	0.280	1.662	0.000	1.709	0.976	0.589

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:07	77300.000	1595.000	0.000	9386.000	13980.000	14520.000	62.138%	330.800
2	22:40:50	77540.000	1580.000	0.000	9254.000	13880.000	14670.000	60.908%	326.100
3	22:41:33	76290.000	1549.000	0.000	9243.000	13850.000	14670.000	60.812%	327.500
x		77050.000	1575.000	0.000	9295.000	13900.000	14620.000	61.286%	328.100
σ		664.100	23.000	0.000	79.440	71.490	88.740	0.739%	2.446
%RSD		0.862	1.461	0.000	0.855	0.514	0.607	1.206	0.745

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:07	144.400	204.700	4652.000	282400.000	283000.000	98.640	262.500	195.400
2	22:40:50	140.700	205.000	4733.000	283300.000	281800.000	99.060	265.000	200.300
3	22:41:33	140.900	204.100	4605.000	279800.000	283100.000	99.400	263.800	196.800
x		142.000	204.600	4663.000	281800.000	282600.000	99.030	263.800	197.500
σ		2.100	0.468	64.530	1776.000	738.700	0.384	1.223	2.514
%RSD		1.479	0.229	1.384	0.630	0.261	0.387	0.464	1.273

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:07	195.500	703.700	711.900	163.100	1.746	1.870	0.000	80.050
2	22:40:50	196.500	708.600	719.100	165.200	2.086	2.358	0.000	80.900
3	22:41:33	196.000	706.500	716.300	163.800	2.079	3.027	0.000	80.430
x		196.000	706.300	715.800	164.100	1.970	2.418	0.000	80.460
σ		0.506	2.460	3.602	1.076	0.194	0.581	0.000	0.426
%RSD		0.258	0.348	0.503	0.656	9.842	24.020	0.000	0.529

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:07	0.000	9.403	9.571	53.984%	0.275	0.165	1.980	1.566
2	22:40:50	0.000	9.244	9.538	53.919%	0.303	0.159	2.020	1.535
3	22:41:33	0.000	9.621	9.597	53.579%	0.235	0.178	1.984	1.561
x		0.000	9.423	9.569	53.827%	0.271	0.167	1.995	1.554
σ		0.000	0.189	0.029	0.217%	0.034	0.010	0.022	0.017
%RSD		0.000	2.005	0.307	0.403	12.560	5.727	1.118	1.074

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:07	54.776%	10.140	1.692	1.684	367.700	366.300	65.171%	64.657%
2	22:40:50	55.740%	10.450	1.702	1.714	365.800	364.700	66.265%	66.177%
3	22:41:33	55.919%	10.120	1.705	1.707	355.600	360.700	66.869%	66.184%
x		55.478%	10.230	1.700	1.701	363.000	363.900	66.102%	65.673%
σ		0.615%	0.185	0.007	0.016	6.534	2.907	0.861%	0.880%
%RSD		1.108	1.805	0.387	0.918	1.800	0.799	1.302	1.340

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:07	1.409	1.431	193.700	192.500	192.700	60.636%
2	22:40:50	1.399	1.422	194.100	193.000	192.700	61.768%
3	22:41:33	1.413	1.395	191.400	189.300	189.900	62.344%
x		1.407	1.416	193.100	191.600	191.700	61.583%
σ		0.008	0.019	1.465	2.059	1.628	0.869%
%RSD		0.546	1.315	0.759	1.074	0.849	1.412

CCV 664806 12/27/2012 10:46:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:21	57.203%	104.000	97.130	99.440	0.000	47950.000	47710.000	48570.000
2	22:48:04	58.612%	101.200	92.600	96.580	0.000	46110.000	45840.000	48440.000
3	22:48:47	56.997%	103.300	94.650	99.580	0.000	48730.000	47580.000	49740.000
x		57.604%	102.826%	94.792%	98.533%	0.000	95.195%	94.093%	97.834%
σ		0.879%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.526	1.417	2.395	1.720	0.000	2.834	2.221	1.463
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:21	519.500	5106.000	0.000	47450.000	47580.000	51350.000	65.223%	97.380
2	22:48:04	513.300	5027.000	0.000	46560.000	46360.000	50640.000	65.660%	97.540
3	22:48:47	521.900	5143.000	0.000	47190.000	46990.000	51300.000	66.438%	98.070
x		103.643%	101.839%	0.000	94.129%	93.956%	102.198%	65.774%	97.664%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.616%	n/a
%RSD		0.855	1.158	0.000	0.975	1.299	0.778	0.936	0.372
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:21	96.490	96.960	500.200	26300.000	25770.000	93.270	93.440	94.460
2	22:48:04	97.390	96.550	470.800	26210.000	26110.000	94.360	94.260	95.660
3	22:48:47	96.660	96.480	514.600	26120.000	26160.000	94.930	93.540	93.960
x		96.851%	96.662%	99.034%	104.828%	104.049%	94.188%	93.747%	94.693%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.494	0.265	4.506	0.340	0.825	0.898	0.479	0.923
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:21	94.960	102.700	104.000	96.270	98.970	100.600	0.000	94.140
2	22:48:04	95.330	103.300	106.500	97.390	101.500	101.000	0.000	93.800
3	22:48:47	94.090	101.400	103.100	98.390	103.200	100.300	0.000	95.860
x		94.795%	102.467%	104.537%	97.348%	101.232%	100.643%	0.000	94.598%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.673	0.945	1.677	1.089	2.093	0.358	0.000	1.166
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:21	60.581%	93.240	93.320	59.803%	94.610	96.550	100.900	104.000
2	22:48:04	62.510%	94.110	94.310	61.616%	94.820	96.970	100.400	104.300
3	22:48:47	63.523%	95.380	96.200	62.534%	95.160	96.140	101.200	103.500
x		62.205%	94.244%	94.608%	61.318%	94.863%	96.552%	100.841%	103.918%
σ		1.495%	n/a	n/a	1.390%	n/a	n/a	n/a	n/a
%RSD		2.403	1.142	1.549	2.267	0.291	0.430	0.385	0.367
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:21	58.786%	98.820	100.600	100.500	95.330	94.890	62.547%	63.523%
2	22:48:04	60.776%	99.280	100.600	100.800	94.530	94.390	65.408%	66.480%
3	22:48:47	62.598%	99.050	100.700	99.600	93.770	95.520	66.583%	68.105%
x		60.720%	99.050%	100.627%	100.277%	94.541%	94.933%	64.846%	66.036%
σ		1.907%	n/a	n/a	n/a	n/a	n/a	2.076%	2.323%
%RSD		3.140	0.231	0.096	0.607	0.826	0.600	3.201	3.518
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:47:21	94.810	94.830	94.930	95.150	95.080	64.293%		
2	22:48:04	96.050	96.160	96.500	96.430	96.030	66.512%		
3	22:48:47	96.210	96.430	98.150	96.480	97.020	68.061%		
x		95.691%	95.808%	96.527%	96.020%	96.044%	66.289%		
σ		n/a	n/a	n/a	n/a	n/a	1.894%		
%RSD		0.805	0.891	1.666	0.784	1.009	2.858		

CCB7 12/27/2012 10:54:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:22	95.325%	-0.009	0.467	0.604	0.000	4.472	2.175	2.178
2	22:56:05	94.575%	-0.004	0.417	0.574	0.000	4.498	2.311	2.239
3	22:56:48	94.232%	0.003	0.517	0.552	0.000	4.317	1.953	2.202
x		94.710%	-0.003	0.467	0.577	0.000	4.429	2.146	2.207
σ		0.559%	0.006	0.050	0.026	0.000	0.098	0.181	0.031
%RSD		0.590	189.500	10.740	4.527	0.000	2.203	8.428	1.402
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:22	1.007	-4.427	0.000	-12.760	10.170	18.420	87.539%	-0.045
2	22:56:05	1.073	-4.244	0.000	-13.030	20.530	18.000	86.249%	0.007
3	22:56:48	1.058	-4.744	0.000	-14.310	26.350	19.540	85.880%	0.001
x		1.046	-4.472	0.000	-13.370	19.020	18.650	86.556%	-0.012
σ		0.034	0.253	0.000	0.826	8.197	0.794	0.871%	0.029
%RSD		3.295	5.652	0.000	6.181	43.110	4.257	1.006	234.100
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:22	-0.006	-0.113	0.367	-15.520	10.710	-0.003	0.018	-0.018
2	22:56:05	-0.034	-0.087	0.362	-18.240	8.638	-0.005	0.032	-0.016
3	22:56:48	0.007	-0.105	0.346	-20.270	6.072	-0.007	0.021	-0.020
x		-0.011	-0.102	0.359	-18.010	8.474	-0.005	0.024	-0.018
σ		0.021	0.013	0.011	2.383	2.324	0.002	0.007	0.002
%RSD		189.300	13.150	3.070	13.230	27.420	37.900	29.290	13.490
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:22	0.009	2.184	2.219	-0.171	-0.951	-1.061	0.000	0.023
2	22:56:05	-0.016	2.352	2.185	-0.324	-1.120	-1.493	0.000	0.022
3	22:56:48	-0.029	2.344	2.331	-0.504	-1.178	-2.227	0.000	0.026
x		-0.012	2.293	2.245	-0.333	-1.083	-1.594	0.000	0.024
σ		0.019	0.094	0.076	0.167	0.118	0.589	0.000	0.002
%RSD		158.700	4.119	3.397	50.130	10.900	36.980	0.000	8.625
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:22	81.683%	0.132	0.115	80.697%	-0.002	0.001	-0.156	-0.117
2	22:56:05	81.473%	0.119	0.128	80.759%	-0.003	-0.009	-0.154	-0.128
3	22:56:48	80.694%	0.106	0.090	80.756%	-0.002	-0.006	-0.163	-0.134
x		81.283%	0.119	0.111	80.737%	-0.002	-0.004	-0.158	-0.126
σ		0.521%	0.013	0.019	0.035%	0.001	0.005	0.005	0.008
%RSD		0.641	11.130	17.310	0.043	38.290	106.900	3.298	6.453
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:22	82.614%	-0.201	0.013	0.016	0.018	-0.002	81.869%	83.661%
2	22:56:05	84.184%	-0.205	0.004	0.014	-0.007	0.011	84.413%	85.540%
3	22:56:48	84.512%	-0.218	0.000	0.014	0.000	0.015	84.537%	86.305%
x		83.770%	-0.208	0.006	0.015	0.004	0.008	83.606%	85.169%
σ		1.014%	0.009	0.007	0.001	0.013	0.009	1.506%	1.360%
%RSD		1.211	4.328	115.700	8.422	361.000	117.100	1.801	1.597
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:55:22	-0.002	0.003	0.077	0.082	0.081	89.480%		
2	22:56:05	0.005	0.004	0.083	0.072	0.075	90.937%		
3	22:56:48	0.001	0.000	0.071	0.058	0.065	90.978%		
x		0.001	0.002	0.077	0.071	0.074	90.465%		
σ		0.003	0.002	0.006	0.012	0.008	0.853%		
%RSD		245.600	73.150	7.536	17.040	10.780	0.943		

240-18544-I-6-A 12/27/2012 10:58:59 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:42	64.106%	4.119	25.110	26.090	0.000	298.700	20960.000	22060.000
2	23:00:25	62.017%	4.029	25.200	25.860	0.000	301.600	20960.000	21800.000
3	23:01:08	58.493%	4.149	25.470	27.070	0.000	296.600	20620.000	21860.000
x		61.538%	4.099	25.260	26.340	0.000	298.900	20850.000	21910.000
σ		2.837%	0.062	0.190	0.640	0.000	2.499	197.700	132.000
%RSD		4.610	1.512	0.751	2.430	0.000	0.836	0.948	0.603

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:42	56460.000	1543.000	0.000	10010.000	19430.000	20110.000	71.129%	308.400
2	23:00:25	55660.000	1569.000	0.000	9696.000	18800.000	20120.000	68.574%	307.400
3	23:01:08	56670.000	1539.000	0.000	9589.000	18860.000	20010.000	65.178%	309.800
x		56270.000	1550.000	0.000	9767.000	19030.000	20080.000	68.294%	308.500
σ		533.900	16.560	0.000	221.600	347.700	60.130	2.985%	1.205
%RSD		0.949	1.068	0.000	2.269	1.827	0.299	4.371	0.391

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:42	102.400	97.810	2368.000	198200.000	196900.000	77.210	172.200	160.100
2	23:00:25	100.700	96.740	2338.000	196300.000	193800.000	75.530	168.500	158.500
3	23:01:08	102.100	95.670	2349.000	196800.000	195600.000	75.960	166.900	157.800
x		101.800	96.740	2352.000	197100.000	195400.000	76.230	169.200	158.800
σ		0.940	1.072	15.280	982.700	1521.000	0.870	2.764	1.204
%RSD		0.924	1.108	0.650	0.499	0.778	1.142	1.634	0.758

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:42	159.600	639.100	650.700	111.100	1.009	1.843	0.000	89.420
2	23:00:25	156.400	639.100	648.300	111.500	1.152	2.493	0.000	89.940
3	23:01:08	159.800	649.000	654.900	112.400	0.836	2.119	0.000	90.480
x		158.600	642.400	651.300	111.700	0.999	2.152	0.000	89.940
σ		1.941	5.746	3.346	0.641	0.158	0.326	0.000	0.530
%RSD		1.224	0.894	0.514	0.574	15.860	15.150	0.000	0.590

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:42	0.000	4.410	4.504	62.089%	0.253	0.186	1.756	1.227
2	23:00:25	0.000	4.281	4.529	60.123%	0.269	0.163	1.422	1.153
3	23:01:08	0.000	4.649	4.608	57.665%	0.279	0.183	1.540	1.239
x		0.000	4.447	4.547	59.959%	0.267	0.177	1.572	1.206
σ		0.000	0.187	0.054	2.216%	0.013	0.013	0.169	0.047
%RSD		0.000	4.202	1.195	3.697	4.790	7.204	10.770	3.865

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:42	61.058%	11.880	0.824	0.834	224.800	226.300	70.676%	70.585%
2	23:00:25	60.610%	11.410	0.822	0.829	225.500	224.900	69.964%	70.059%
3	23:01:08	58.924%	11.460	0.747	0.866	222.900	222.300	69.151%	68.829%
x		60.197%	11.580	0.798	0.843	224.400	224.500	69.931%	69.824%
σ		1.126%	0.257	0.044	0.020	1.387	2.034	0.763%	0.902%
%RSD		1.870	2.223	5.522	2.396	0.618	0.906	1.091	1.291

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:59:42	0.954	0.953	97.730	96.170	96.420	66.892%
2	23:00:25	0.993	1.019	98.620	96.970	97.430	66.623%
3	23:01:08	1.001	0.957	98.230	96.260	97.290	65.886%
x		0.983	0.976	98.190	96.470	97.050	66.467%
σ		0.025	0.037	0.442	0.439	0.545	0.521%
%RSD		2.543	3.802	0.451	0.455	0.562	0.783

240-18544-I-18-B 12/27/2012 11:03:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:01	60.795%	2.929	18.740	19.620	0.000	360.600	29760.000	31060.000
2	23:04:44	58.787%	2.898	19.350	19.800	0.000	355.000	29930.000	31520.000
3	23:05:27	60.198%	2.769	18.970	18.940	0.000	348.700	29540.000	30980.000
x		59.927%	2.865	19.020	19.450	0.000	354.800	29740.000	31190.000
σ		1.031%	0.085	0.312	0.455	0.000	5.955	198.000	294.300
%RSD		1.721	2.957	1.642	2.338	0.000	1.679	0.665	0.944

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:01	35870.000	1452.000	0.000	6332.000	129300.000	137800.000	67.472%	315.500
2	23:04:44	36090.000	1476.000	0.000	6291.000	126800.000	136000.000	65.544%	318.800
3	23:05:27	35470.000	1397.000	0.000	6228.000	126900.000	136700.000	65.382%	310.000
x		35810.000	1441.000	0.000	6283.000	127700.000	136800.000	66.133%	314.800
σ		318.700	40.540	0.000	52.520	1404.000	897.200	1.162%	4.445
%RSD		0.890	2.813	0.000	0.836	1.100	0.656	1.758	1.412

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:01	74.880	59.710	2868.000	312200.000	315700.000	50.310	133.200	167.500
2	23:04:44	75.890	60.700	2932.000	316500.000	316900.000	50.650	135.300	171.400
3	23:05:27	73.710	59.030	2862.000	314400.000	314800.000	49.990	133.400	169.300
x		74.830	59.820	2887.000	314300.000	315800.000	50.320	134.000	169.400
σ		1.091	0.841	38.750	2155.000	1055.000	0.333	1.168	1.935
%RSD		1.458	1.406	1.342	0.686	0.334	0.662	0.872	1.142

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:01	167.500	485.400	491.400	149.000	1.745	2.583	0.000	181.600
2	23:04:44	172.200	493.200	501.400	149.700	1.635	3.357	0.000	185.200
3	23:05:27	168.200	489.500	495.500	147.900	1.677	2.651	0.000	183.600
x		169.300	489.400	496.100	148.900	1.686	2.864	0.000	183.400
σ		2.530	3.914	5.049	0.908	0.055	0.428	0.000	1.767
%RSD		1.495	0.800	1.018	0.610	3.291	14.960	0.000	0.963

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:01	0.000	32.310	32.720	58.683%	0.653	0.497	2.051	1.717
2	23:04:44	0.000	33.090	33.340	58.526%	0.584	0.493	2.000	1.596
3	23:05:27	0.000	32.680	33.150	59.268%	0.568	0.517	2.057	1.587
x		0.000	32.690	33.070	58.826%	0.602	0.502	2.036	1.633
σ		0.000	0.391	0.315	0.391%	0.045	0.013	0.031	0.072
%RSD		0.000	1.195	0.953	0.665	7.490	2.517	1.528	4.437

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:01	60.327%	10.010	1.744	1.911	436.000	440.900	68.920%	68.989%
2	23:04:44	60.887%	9.946	1.755	1.738	442.400	440.800	70.528%	70.577%
3	23:05:27	61.657%	9.929	1.803	1.756	444.600	441.200	70.948%	71.364%
x		60.957%	9.960	1.768	1.802	441.000	441.000	70.132%	70.310%
σ		0.668%	0.041	0.031	0.095	4.469	0.193	1.070%	1.210%
%RSD		1.096	0.407	1.774	5.274	1.013	0.044	1.526	1.721

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:01	1.365	1.390	103.200	102.500	102.000	64.175%
2	23:04:44	1.358	1.401	103.700	102.500	102.200	66.200%
3	23:05:27	1.405	1.399	103.400	103.100	102.600	66.580%
x		1.376	1.396	103.400	102.700	102.300	65.652%
σ		0.025	0.006	0.224	0.318	0.300	1.293%
%RSD		1.839	0.418	0.217	0.310	0.293	1.970

MB 180-58320/1-A 12/27/2012 11:11:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:59	94.778%	-0.013	0.310	0.482	0.000	-1.785	0.392	0.416
2	23:12:43	90.398%	-0.010	0.232	0.444	0.000	-1.680	0.885	0.948
3	23:13:26	91.043%	-0.005	0.277	0.340	0.000	-1.700	1.318	1.131
x		92.073%	-0.009	0.273	0.422	0.000	-1.722	0.865	0.832
σ		2.365%	0.004	0.039	0.073	0.000	0.056	0.463	0.371
%RSD		2.568	46.000	14.420	17.390	0.000	3.235	53.550	44.670
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:59	1.292	-1.921	0.000	-12.700	4.889	0.057	82.233%	0.034
2	23:12:43	1.945	-1.796	0.000	-13.650	-1.508	1.869	80.755%	-0.024
3	23:13:26	2.029	-1.617	0.000	-12.180	3.628	3.905	78.166%	0.092
x		1.755	-1.778	0.000	-12.850	2.336	1.944	80.385%	0.034
σ		0.403	0.153	0.000	0.747	3.389	1.925	2.059%	0.058
%RSD		22.980	8.577	0.000	5.816	145.000	99.040	2.561	171.300
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:59	-0.087	0.001	0.065	15.090	33.390	-0.011	0.012	0.003
2	23:12:43	0.001	-0.020	0.143	8.491	29.850	-0.011	0.008	-0.019
3	23:13:26	-0.055	-0.017	0.155	8.009	26.660	-0.011	0.031	-0.021
x		-0.047	-0.012	0.121	10.530	29.970	-0.011	0.017	-0.012
σ		0.044	0.011	0.049	3.955	3.364	0.000	0.012	0.013
%RSD		93.740	93.150	40.420	37.560	11.220	2.021	71.700	107.400
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:59	0.003	0.188	0.302	-0.323	-0.941	-1.434	0.000	0.007
2	23:12:43	0.007	0.144	0.079	-0.038	-0.937	-0.186	0.000	0.015
3	23:13:26	-0.027	0.149	0.156	-0.396	-0.937	-1.262	0.000	0.016
x		-0.006	0.160	0.179	-0.252	-0.938	-0.961	0.000	0.012
σ		0.019	0.024	0.114	0.189	0.002	0.676	0.000	0.005
%RSD		332.000	15.020	63.570	75.090	0.225	70.410	0.000	41.040
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:59	68.276%	0.051	0.065	66.374%	-0.012	-0.013	-0.005	0.001
2	23:12:43	68.750%	0.030	0.060	66.711%	-0.008	-0.009	0.026	0.010
3	23:13:26	68.388%	0.029	0.032	65.011%	-0.003	-0.009	-0.049	-0.046
x		68.471%	0.037	0.052	66.032%	-0.008	-0.010	-0.009	-0.012
σ		0.247%	0.012	0.017	0.900%	0.004	0.002	0.037	0.030
%RSD		0.361	34.080	33.350	1.363	59.170	22.140	406.600	256.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:59	62.531%	-0.159	-0.005	0.013	-0.005	0.002	67.787%	68.626%
2	23:12:43	63.620%	-0.139	0.002	0.009	0.009	0.019	69.096%	70.244%
3	23:13:26	63.056%	-0.228	0.005	-0.004	-0.006	0.031	68.841%	69.377%
x		63.069%	-0.175	0.001	0.006	-0.001	0.018	68.575%	69.416%
σ		0.545%	0.047	0.005	0.009	0.009	0.015	0.694%	0.810%
%RSD		0.864	26.620	934.500	154.800	1447.000	81.680	1.013	1.167
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:11:59	-0.005	-0.005	0.025	0.029	0.025	77.508%		
2	23:12:43	-0.002	-0.004	0.033	0.015	0.022	78.653%		
3	23:13:26	-0.006	-0.005	0.025	-0.001	0.014	78.711%		
x		-0.004	-0.005	0.028	0.014	0.021	78.291%		
σ		0.002	0.001	0.004	0.015	0.006	0.678%		
%RSD		52.360	17.440	14.620	106.400	27.370	0.866		

CRI 668876 12/27/2012 11:19:56 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	65.658%	0.921	5.207	5.665	0.000	95.000	95.320	98.530
2	23:21:23	62.895%	0.941	5.485	5.383	0.000	94.720	98.990	97.430
3	23:22:06	61.468%	1.156	5.561	5.757	0.000	95.020	98.300	101.500
x		63.340%	100.588%	108.356%	112.035%	0.000	94.915%	97.537%	99.157%
σ		2.131%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.364	12.950	3.433	3.480	0.000	0.174	1.997	2.127
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	32.820	508.100	0.000	83.690	97.080	112.400	70.908%	5.006
2	23:21:23	32.680	508.300	0.000	85.700	97.440	105.100	69.227%	4.739
3	23:22:06	33.090	510.500	0.000	84.030	104.300	107.300	69.496%	4.451
x		109.547%	101.798%	0.000	84.471%	99.605%	108.269%	69.877%	94.642%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.903%	n/a
%RSD		0.631	0.264	0.000	1.275	4.079	3.448	1.292	5.859
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	0.985	1.836	6.030	53.500	67.270	0.468	0.924	2.025
2	23:21:23	0.898	1.845	5.966	47.320	64.240	0.467	0.864	2.061
3	23:22:06	0.983	1.883	5.752	45.100	61.700	0.486	0.985	2.022
x		95.533%	92.724%	1183.201%	97.278%	128.809%	94.756%	92.431%	101.795%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		5.200	1.334	2.456	8.952	4.331	2.322	6.520	1.066
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	2.014	5.627	6.198	1.269	4.346	5.962	0.000	4.887
2	23:21:23	2.072	5.536	5.509	1.005	4.432	4.590	0.000	4.860
3	23:22:06	2.057	5.879	5.865	0.923	4.616	5.130	0.000	4.830
x		102.390%	113.612%	117.147%	106.579%	89.291%	104.549%	0.000	97.179%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.473	3.124	5.882	16.960	3.084	13.220	0.000	0.587
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	61.495%	4.343	4.553	66.148%	1.009	1.009	1.132	1.115
2	23:21:23	61.835%	4.579	4.515	66.171%	0.967	0.984	1.111	1.177
3	23:22:06	62.341%	4.650	4.551	66.530%	0.999	1.001	0.928	1.035
x		61.890%	90.481%	90.796%	66.283%	99.135%	99.802%	105.683%	110.888%
σ		0.426%	n/a	n/a	0.214%	n/a	n/a	n/a	n/a
%RSD		0.688	3.555	0.472	0.323	2.222	1.272	10.610	6.415
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:39	62.755%	5.361	1.945	2.067	9.506	9.187	67.831%	68.509%
2	23:21:23	63.299%	5.696	2.078	1.966	9.240	9.299	69.121%	70.004%
3	23:22:06	63.749%	5.691	2.085	1.910	9.406	9.016	69.796%	71.198%
x		63.268%	111.658%	101.812%	99.061%	93.839%	91.672%	68.916%	69.904%
σ		0.498%	n/a	n/a	n/a	n/a	n/a	0.998%	1.347%
%RSD		0.787	3.440	3.874	4.031	1.430	1.549	1.448	1.927
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:20:39	0.818	0.853	0.921	0.899	0.886	77.881%		
2	23:21:23	0.867	0.872	0.964	0.971	0.944	79.129%		
3	23:22:06	0.868	0.864	0.884	0.893	0.896	79.723%		
x		85.108%	86.289%	92.313%	92.096%	90.891%	78.911%		
σ		n/a	n/a	n/a	n/a	n/a	0.940%		
%RSD		3.382	1.139	4.290	4.695	3.385	1.191		

LCS 180-58320/2-A 12/27/2012 11:24:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:00	58.831%	45.100	865.100	895.600	0.000	44490.000	44230.000	46760.000
2	23:25:43	60.230%	44.670	849.000	874.600	0.000	43890.000	43780.000	45910.000
3	23:26:26	59.404%	44.110	876.000	882.100	0.000	43690.000	43910.000	46510.000
x		59.488%	44.630	863.300	884.100	0.000	44020.000	43970.000	46400.000
σ		0.703%	0.495	13.590	10.660	0.000	415.400	232.400	439.200
%RSD		1.182	1.109	1.574	1.205	0.000	0.944	0.528	0.947

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:00	1846.000	9098.000	0.000	44890.000	46020.000	50390.000	63.752%	948.300
2	23:25:43	1813.000	9047.000	0.000	45640.000	46840.000	49840.000	61.966%	943.700
3	23:26:26	1842.000	9050.000	0.000	44740.000	46240.000	49780.000	62.192%	940.000
x		1834.000	9065.000	0.000	45090.000	46370.000	50000.000	62.637%	944.000
σ		17.870	28.470	0.000	483.300	427.600	337.500	0.973%	4.143
%RSD		0.975	0.314	0.000	1.072	0.922	0.675	1.553	0.439

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:00	473.700	188.100	501.400	1043.000	1231.000	452.900	445.200	231.400
2	23:25:43	476.800	187.600	506.600	1045.000	1217.000	452.900	446.500	231.200
3	23:26:26	474.500	186.500	496.300	1037.000	1203.000	454.100	448.100	232.300
x		475.000	187.400	501.400	1042.000	1217.000	453.300	446.600	231.600
σ		1.626	0.815	5.128	4.341	13.850	0.716	1.426	0.567
%RSD		0.342	0.435	1.023	0.417	1.138	0.158	0.319	0.245

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:00	231.300	447.700	450.900	32.980	7.859	8.829	0.000	947.900
2	23:25:43	227.900	449.600	447.400	33.470	7.288	9.112	0.000	947.600
3	23:26:26	234.000	452.400	457.900	33.520	7.540	7.616	0.000	950.500
x		231.000	449.900	452.100	33.320	7.562	8.519	0.000	948.600
σ		3.049	2.320	5.338	0.296	0.286	0.795	0.000	1.632
%RSD		1.320	0.516	1.181	0.887	3.786	9.331	0.000	0.172

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:00	56.226%	941.100	935.900	58.707%	43.980	44.650	43.480	40.530
2	23:25:43	56.925%	941.900	937.600	58.898%	45.000	45.300	44.700	41.990
3	23:26:26	57.239%	947.700	944.500	59.117%	44.760	45.410	44.150	40.570
x		56.797%	943.600	939.300	58.908%	44.580	45.120	44.110	41.030
σ		0.519%	3.597	4.533	0.205%	0.533	0.413	0.608	0.833
%RSD		0.914	0.381	0.483	0.349	1.195	0.916	1.378	2.029

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:00	59.603%	1842.000	433.400	430.000	1702.000	1705.000	67.684%	68.505%
2	23:25:43	59.890%	1870.000	439.100	437.700	1702.000	1718.000	69.715%	70.340%
3	23:26:26	60.792%	1853.000	439.200	436.300	1700.000	1711.000	70.318%	72.096%
x		60.095%	1855.000	437.200	434.700	1701.000	1711.000	69.239%	70.314%
σ		0.620%	14.290	3.309	4.074	1.293	6.022	1.380%	1.795%
%RSD		1.032	0.770	0.757	0.937	0.076	0.352	1.993	2.553

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:00	42.810	43.130	17.590	17.610	17.740	65.870%
2	23:25:43	43.140	43.340	17.980	17.810	17.850	67.697%
3	23:26:26	43.630	43.610	17.970	17.930	17.880	68.411%
x		43.190	43.360	17.850	17.780	17.820	67.326%
σ		0.414	0.244	0.222	0.158	0.069	1.311%
%RSD		0.959	0.563	1.242	0.888	0.388	1.947

180-17228-B-1-A 12/27/2012 11:28:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:20	67.291%	0.002	17.000	18.330	0.000	4314.000	36940.000	39070.000
2	23:30:03	65.213%	0.016	14.360	15.280	0.000	4260.000	36410.000	39090.000
3	23:30:46	64.220%	0.027	12.940	13.690	0.000	4293.000	37010.000	38790.000
x		65.575%	0.015	14.770	15.770	0.000	4289.000	36790.000	38980.000
σ		1.567%	0.012	2.061	2.358	0.000	27.290	327.900	170.500
%RSD		2.390	81.770	13.960	14.950	0.000	0.636	0.891	0.438

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:20	56.720	1910.000	0.000	8756.000	123300.000	133400.000	66.279%	2.176
2	23:30:03	55.300	1862.000	0.000	8397.000	120600.000	131900.000	65.163%	1.579
3	23:30:46	53.990	1874.000	0.000	8556.000	123000.000	133300.000	64.062%	1.272
x		55.340	1882.000	0.000	8570.000	122300.000	132900.000	65.168%	1.676
σ		1.367	24.870	0.000	179.500	1444.000	852.600	1.109%	0.460
%RSD		2.470	1.321	0.000	2.095	1.181	0.642	1.701	27.430

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:20	-0.556	0.759	5383.000	715.900	1281.000	3.111	0.649	3.271
2	23:30:03	0.857	0.697	5337.000	688.400	1218.000	2.993	0.565	3.274
3	23:30:46	-0.471	0.725	5410.000	685.400	1199.000	2.994	0.571	3.162
x		-0.057	0.727	5377.000	696.600	1233.000	3.033	0.595	3.235
σ		0.792	0.031	37.010	16.820	42.660	0.068	0.047	0.064
%RSD		1396.000	4.220	0.688	2.415	3.461	2.236	7.863	1.976

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:20	4.066	31.340	30.970	-1.047	-0.538	-0.208	0.000	347.200
2	23:30:03	4.048	31.640	31.710	-0.149	-0.448	-0.425	0.000	349.400
3	23:30:46	3.934	31.490	30.670	-0.162	-0.600	0.381	0.000	347.300
x		4.016	31.490	31.120	-0.453	-0.528	-0.084	0.000	348.000
σ		0.071	0.152	0.537	0.515	0.077	0.417	0.000	1.223
%RSD		1.775	0.482	1.727	113.800	14.520	495.100	0.000	0.351

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:20	62.039%	2.292	2.464	60.548%	-0.004	-0.004	0.166	0.172
2	23:30:03	62.023%	1.454	1.402	60.008%	-0.004	-0.008	0.140	0.103
3	23:30:46	61.478%	0.872	0.975	59.570%	-0.003	-0.003	0.087	0.098
x		61.847%	1.540	1.613	60.042%	-0.004	-0.005	0.131	0.124
σ		0.319%	0.714	0.767	0.490%	0.001	0.003	0.040	0.042
%RSD		0.516	46.360	47.530	0.816	24.250	54.070	30.870	33.580

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:20	60.364%	6.533	0.266	0.330	17.750	17.120	68.662%	69.598%
2	23:30:03	61.005%	4.161	0.177	0.190	17.410	17.260	69.283%	70.745%
3	23:30:46	60.339%	3.045	0.162	0.168	17.080	17.140	69.901%	71.491%
x		60.569%	4.580	0.202	0.230	17.410	17.170	69.282%	70.612%
σ		0.377%	1.782	0.056	0.088	0.334	0.074	0.620%	0.954%
%RSD		0.623	38.900	27.740	38.400	1.920	0.430	0.894	1.351

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:20	0.244	0.227	0.149	0.160	0.147	67.042%
2	23:30:03	0.166	0.162	0.142	0.109	0.132	67.872%
3	23:30:46	0.142	0.137	0.144	0.135	0.129	68.487%
x		0.184	0.175	0.145	0.135	0.136	67.800%
σ		0.053	0.047	0.003	0.025	0.010	0.725%
%RSD		28.940	26.680	2.352	18.790	7.322	1.070

180-17143-A-1-A 12/27/2012 11:32:57 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:40	67.774%	0.195	6.432	6.551	0.000	3372.000	1364.000	1423.000
2	23:34:23	64.507%	0.168	5.818	6.301	0.000	3347.000	1386.000	1464.000
3	23:35:05	62.644%	0.160	6.016	6.219	0.000	3389.000	1397.000	1467.000
x		64.975%	0.174	6.089	6.357	0.000	3369.000	1382.000	1451.000
σ		2.597%	0.018	0.314	0.173	0.000	21.110	16.980	24.660
%RSD		3.996	10.530	5.150	2.719	0.000	0.626	1.228	1.699

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:40	261.000	5378.000	0.000	1976.000	1018.000	1102.000	65.362%	16.220
2	23:34:23	265.200	5384.000	0.000	1952.000	1043.000	1103.000	63.902%	16.060
3	23:35:05	269.000	5435.000	0.000	1957.000	974.500	1103.000	62.864%	15.760
x		265.100	5399.000	0.000	1962.000	1012.000	1103.000	64.043%	16.010
σ		4.022	31.090	0.000	12.850	34.700	0.559	1.255%	0.236
%RSD		1.517	0.576	0.000	0.655	3.430	0.051	1.960	1.476

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:40	-1.191	0.935	75.360	386.600	396.400	1.181	0.303	0.270
2	23:34:23	-0.194	0.937	76.430	393.700	402.900	1.227	0.275	0.343
3	23:35:05	0.419	0.781	76.010	385.900	387.300	1.129	0.267	0.378
x		-0.322	0.884	75.930	388.800	395.500	1.179	0.282	0.330
σ		0.813	0.089	0.538	4.314	7.828	0.049	0.019	0.055
%RSD		252.500	10.080	0.709	1.110	1.979	4.170	6.798	16.670

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:40	0.309	10.340	10.270	0.245	-0.748	-0.404	0.000	20.220
2	23:34:23	0.316	10.290	10.360	-0.215	-0.683	0.525	0.000	20.540
3	23:35:05	0.328	10.170	10.670	-0.311	-0.697	-0.949	0.000	20.400
x		0.318	10.260	10.430	-0.094	-0.710	-0.276	0.000	20.390
σ		0.010	0.086	0.208	0.297	0.034	0.746	0.000	0.157
%RSD		3.032	0.841	1.998	317.700	4.788	270.300	0.000	0.770

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:40	61.917%	0.289	0.296	63.414%	0.003	-0.004	0.020	0.042
2	23:34:23	61.910%	0.269	0.296	63.593%	0.000	0.006	0.036	0.043
3	23:35:05	62.413%	0.202	0.204	63.522%	-0.002	-0.001	0.041	0.062
x		62.080%	0.253	0.265	63.510%	0.000	0.000	0.032	0.049
σ		0.288%	0.046	0.053	0.090%	0.002	0.005	0.011	0.011
%RSD		0.464	18.100	20.070	0.141	774.000	2183.000	33.150	22.870

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:40	61.697%	1.707	0.231	0.271	101.300	103.900	69.414%	70.490%
2	23:34:23	62.669%	1.472	0.202	0.230	101.900	102.300	71.059%	72.132%
3	23:35:05	62.544%	1.431	0.212	0.222	102.500	103.700	71.427%	72.402%
x		62.304%	1.537	0.215	0.241	101.900	103.300	70.633%	71.675%
σ		0.529%	0.149	0.015	0.026	0.610	0.872	1.072%	1.035%
%RSD		0.849	9.702	6.747	10.830	0.599	0.844	1.517	1.444

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:40	0.054	0.044	0.254	0.256	0.251	73.884%
2	23:34:23	0.057	0.043	0.230	0.235	0.250	75.738%
3	23:35:05	0.036	0.033	0.253	0.247	0.240	76.285%
x		0.049	0.040	0.246	0.246	0.247	75.302%
σ		0.011	0.006	0.014	0.011	0.006	1.259%
%RSD		23.080	15.140	5.708	4.326	2.482	1.671

180-17143-A-2-A 12/27/2012 11:37:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:00	66.278%	0.015	4.722	5.079	0.000	7278.000	3689.000	3866.000
2	23:38:43	64.904%	0.006	4.365	4.813	0.000	7052.000	3681.000	3880.000
3	23:39:26	64.352%	-0.006	4.261	4.316	0.000	6979.000	3655.000	3881.000
x		65.178%	0.005	4.449	4.736	0.000	7103.000	3675.000	3876.000
σ		0.992%	0.011	0.242	0.387	0.000	156.100	17.720	8.692
%RSD		1.522	214.600	5.434	8.176	0.000	2.197	0.482	0.224

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:00	2.104	10180.000	0.000	7196.000	33670.000	37220.000	65.459%	1.593
2	23:38:43	1.941	10070.000	0.000	7007.000	33530.000	36750.000	63.210%	1.311
3	23:39:26	1.814	9927.000	0.000	6949.000	33490.000	36610.000	62.131%	1.308
x		1.953	10060.000	0.000	7051.000	33560.000	36860.000	63.600%	1.404
σ		0.146	126.100	0.000	129.100	96.160	320.700	1.698%	0.164
%RSD		7.457	1.254	0.000	1.830	0.286	0.870	2.669	11.660

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:00	-1.011	0.638	236.700	122.500	289.200	0.078	-0.098	0.260
2	23:38:43	-0.360	0.610	239.600	119.800	283.600	0.086	-0.125	0.243
3	23:39:26	-1.193	0.518	239.000	120.700	274.200	0.067	-0.065	0.271
x		-0.855	0.589	238.400	121.000	282.300	0.077	-0.096	0.258
σ		0.438	0.063	1.527	1.349	7.584	0.009	0.030	0.014
%RSD		51.230	10.640	0.641	1.115	2.686	12.070	30.920	5.437

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:00	0.288	7.086	7.086	-0.871	-0.867	-0.058	0.000	124.000
2	23:38:43	0.328	6.813	7.433	-0.097	-0.679	0.525	0.000	125.000
3	23:39:26	0.291	7.337	7.152	-0.271	-0.764	-0.563	0.000	124.900
x		0.303	7.079	7.224	-0.413	-0.770	-0.032	0.000	124.700
σ		0.022	0.262	0.184	0.406	0.094	0.545	0.000	0.587
%RSD		7.216	3.698	2.550	98.320	12.190	1691.000	0.000	0.471

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:00	60.516%	1.359	1.387	62.025%	0.001	-0.008	-0.100	-0.099
2	23:38:43	60.573%	1.443	1.335	61.922%	-0.001	-0.009	-0.047	-0.044
3	23:39:26	59.470%	1.247	1.330	61.293%	-0.010	-0.006	-0.042	-0.022
x		60.186%	1.349	1.350	61.747%	-0.003	-0.008	-0.063	-0.055
σ		0.621%	0.099	0.032	0.396%	0.006	0.002	0.032	0.040
%RSD		1.032	7.304	2.337	0.641	171.100	22.290	50.750	72.450

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:00	61.162%	1.239	0.107	0.121	52.390	53.070	68.863%	70.009%
2	23:38:43	61.637%	1.143	0.089	0.105	52.130	51.380	70.193%	71.151%
3	23:39:26	61.392%	1.169	0.104	0.101	51.660	51.860	70.073%	71.758%
x		61.397%	1.183	0.100	0.109	52.060	52.110	69.710%	70.973%
σ		0.237%	0.050	0.010	0.011	0.372	0.871	0.736%	0.888%
%RSD		0.387	4.194	9.897	9.639	0.715	1.672	1.055	1.251

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:00	0.021	0.022	0.017	0.023	0.019	71.410%
2	23:38:43	0.020	0.022	0.009	0.016	0.011	73.111%
3	23:39:26	0.017	0.012	0.018	0.004	0.012	73.042%
x		0.019	0.018	0.015	0.014	0.014	72.521%
σ		0.002	0.005	0.005	0.010	0.004	0.963%
%RSD		10.870	29.330	33.980	67.900	30.240	1.328

180-17186-A-3-A 12/27/2012 11:41:38 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:22	64.376%	0.030	13.480	15.330	0.000	2292.000	1249.000	1303.000
2	23:43:04	63.642%	0.030	13.470	15.230	0.000	2275.000	1274.000	1326.000
3	23:43:48	61.947%	0.013	14.030	15.410	0.000	2236.000	1252.000	1310.000
x		63.321%	0.024	13.660	15.320	0.000	2268.000	1258.000	1313.000
σ		1.246%	0.010	0.321	0.090	0.000	28.890	13.470	11.870
%RSD		1.968	39.550	2.346	0.586	0.000	1.274	1.071	0.904

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:22	111.700	5109.000	0.000	1584.000	4285.000	4587.000	62.404%	3.585
2	23:43:04	114.800	5047.000	0.000	1597.000	4315.000	4550.000	61.861%	2.989
3	23:43:48	111.300	5123.000	0.000	1560.000	4196.000	4557.000	61.626%	3.250
x		112.600	5093.000	0.000	1580.000	4265.000	4565.000	61.963%	3.275
σ		1.897	40.340	0.000	18.680	61.530	19.730	0.399%	0.299
%RSD		1.684	0.792	0.000	1.182	1.443	0.432	0.644	9.127

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:22	0.277	0.668	35.090	189.800	218.900	0.080	0.202	1.565
2	23:43:04	-0.204	0.623	35.650	188.400	217.200	0.083	0.146	1.640
3	23:43:48	-0.663	0.631	35.490	187.300	210.800	0.082	0.130	1.709
x		-0.197	0.641	35.410	188.500	215.600	0.082	0.160	1.638
σ		0.470	0.024	0.289	1.260	4.262	0.002	0.038	0.072
%RSD		238.700	3.790	0.816	0.668	1.976	2.302	23.720	4.412

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:22	1.641	11.540	11.540	-0.444	-1.009	-0.331	0.000	33.150
2	23:43:04	1.609	11.250	11.600	-0.474	-0.629	-0.662	0.000	33.090
3	23:43:48	1.727	11.430	11.630	-0.548	-0.711	-0.382	0.000	33.110
x		1.659	11.410	11.590	-0.489	-0.783	-0.458	0.000	33.120
σ		0.061	0.150	0.046	0.054	0.200	0.178	0.000	0.030
%RSD		3.660	1.314	0.399	11.020	25.520	38.880	0.000	0.089

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:22	60.394%	1.277	1.325	62.220%	-0.001	-0.000	0.048	0.056
2	23:43:04	60.183%	1.404	1.299	62.307%	-0.005	-0.004	-0.042	-0.007
3	23:43:48	60.418%	1.225	1.263	62.229%	-0.001	-0.011	0.064	0.073
x		60.332%	1.302	1.296	62.252%	-0.002	-0.005	0.023	0.041
σ		0.129%	0.092	0.031	0.048%	0.002	0.006	0.057	0.042
%RSD		0.214	7.073	2.392	0.077	106.700	115.100	242.400	103.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:22	60.044%	0.900	0.242	0.239	45.860	46.290	68.581%	69.361%
2	23:43:04	61.481%	0.884	0.223	0.233	45.620	47.280	70.181%	71.131%
3	23:43:48	61.280%	0.854	0.214	0.229	46.450	46.390	70.159%	71.950%
x		60.935%	0.880	0.226	0.234	45.980	46.650	69.640%	70.814%
σ		0.778%	0.023	0.014	0.005	0.431	0.543	0.917%	1.324%
%RSD		1.277	2.662	6.297	2.207	0.938	1.165	1.317	1.869

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:22	0.017	0.017	0.179	0.161	0.172	73.592%
2	23:43:04	0.018	0.015	0.163	0.164	0.165	75.281%
3	23:43:48	0.020	0.010	0.171	0.172	0.161	75.690%
x		0.018	0.014	0.171	0.166	0.166	74.854%
σ		0.001	0.004	0.008	0.006	0.005	1.112%
%RSD		6.648	25.310	4.693	3.379	3.159	1.486

180-17267-K-1-A 12/27/2012 11:46:00 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:43	49.659%	0.017	356.200	384.100	0.000	804500.000	113400.000	120200.000
2	23:47:26	50.410%	0.039	361.500	386.300	0.000	804200.000	112800.000	120600.000
3	23:48:09	51.388%	0.019	349.500	379.300	0.000	792100.000	111400.000	118200.000
x		50.486%	0.025	355.700	383.200	0.000	800300.000	112500.000	119700.000
σ		0.867%	0.012	6.000	3.580	0.000	7067.000	1050.000	1285.000
%RSD		1.717	48.670	1.687	0.934	0.000	0.883	0.933	1.074
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:43	129.800	3532.000	0.000	35150.000	53980.000	59090.000	56.158%	4.700
2	23:47:26	131.200	3501.000	0.000	35060.000	53650.000	58650.000	56.915%	5.303
3	23:48:09	126.700	3526.000	0.000	34750.000	54020.000	58680.000	57.718%	5.696
x		129.200	3520.000	0.000	34990.000	53880.000	58810.000	56.930%	5.233
σ		2.277	16.890	0.000	210.400	199.300	244.400	0.780%	0.502
%RSD		1.762	0.480	0.000	0.601	0.370	0.416	1.370	9.588
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:43	-0.043	0.756	4310.000	227.000	473.500	2.080	6.333	4.813
2	23:47:26	0.361	0.841	4302.000	230.300	477.000	2.055	6.568	4.988
3	23:48:09	-0.332	0.858	4337.000	231.800	460.500	2.116	6.754	4.962
x		-0.005	0.818	4316.000	229.700	470.300	2.084	6.552	4.921
σ		0.348	0.054	18.030	2.474	8.721	0.031	0.211	0.094
%RSD		7208.000	6.643	0.418	1.077	1.854	1.477	3.221	1.919
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:43	1.977	25.850	26.210	1.678	-0.219	6.494	0.000	778.400
2	23:47:26	1.863	26.050	25.970	2.355	-0.271	6.607	0.000	780.300
3	23:48:09	1.819	25.930	25.230	2.496	-0.064	7.245	0.000	780.500
x		1.886	25.940	25.800	2.176	-0.185	6.782	0.000	779.800
σ		0.082	0.100	0.512	0.438	0.108	0.405	0.000	1.191
%RSD		4.336	0.384	1.986	20.100	58.550	5.968	0.000	0.153
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:43	53.937%	4.400	4.400	48.771%	0.000	0.002	0.021	0.068
2	23:47:26	55.709%	4.444	4.381	50.493%	-0.005	-0.003	0.054	0.051
3	23:48:09	56.592%	4.386	4.471	51.188%	-0.007	-0.009	0.127	0.088
x		55.413%	4.410	4.417	50.151%	-0.004	-0.003	0.067	0.069
σ		1.352%	0.030	0.047	1.245%	0.004	0.005	0.054	0.018
%RSD		2.440	0.687	1.070	2.482	100.000	164.900	80.610	26.480
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:43	53.204%	0.939	0.628	0.677	138.400	137.000	61.975%	63.635%
2	23:47:26	54.840%	0.959	0.675	0.710	138.000	138.700	64.765%	66.198%
3	23:48:09	56.320%	0.865	0.666	0.672	138.500	138.200	65.966%	67.229%
x		54.788%	0.921	0.656	0.687	138.300	138.000	64.236%	65.687%
σ		1.559%	0.050	0.025	0.020	0.241	0.866	2.048%	1.851%
%RSD		2.845	5.375	3.779	2.962	0.174	0.628	3.188	2.818
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:46:43	0.010	0.015	0.252	0.264	0.259	55.114%		
2	23:47:26	0.012	0.009	0.242	0.188	0.234	57.346%		
3	23:48:09	0.020	0.013	0.220	0.235	0.245	57.928%		
x		0.014	0.012	0.238	0.229	0.246	56.796%		
σ		0.006	0.003	0.016	0.038	0.013	1.485%		
%RSD		39.960	23.280	6.926	16.730	5.105	2.615		

CCV 664806 12/27/2012 11:53:17 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:00	58.018%	102.100	96.070	97.610	0.000	48160.000	47840.000	49460.000
2	23:54:43	55.528%	103.900	99.610	102.800	0.000	48190.000	47680.000	49930.000
3	23:55:26	56.328%	104.000	99.900	100.400	0.000	48440.000	48040.000	49940.000
x		56.625%	103.347%	98.528%	100.260%	0.000	96.533%	95.706%	99.552%
σ		1.271%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.245	1.017	2.163	2.580	0.000	0.319	0.374	0.549
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:00	528.700	5213.000	0.000	49120.000	48350.000	51900.000	67.359%	99.410
2	23:54:43	523.900	5203.000	0.000	48150.000	48420.000	51400.000	67.620%	98.790
3	23:55:26	526.200	5159.000	0.000	47850.000	48320.000	51580.000	68.171%	98.730
x		105.255%	103.837%	0.000	96.749%	96.726%	103.255%	67.717%	98.978%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.414%	n/a
%RSD		0.455	0.562	0.000	1.376	0.107	0.489	0.612	0.383
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:00	98.660	99.160	478.000	26560.000	26290.000	96.150	96.160	97.010
2	23:54:43	98.750	98.910	479.100	26660.000	25860.000	94.710	96.110	99.230
3	23:55:26	99.150	97.670	443.700	26710.000	26310.000	95.270	94.880	96.600
x		98.854%	98.580%	93.380%	106.577%	104.615%	95.377%	95.714%	97.612%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.263	0.810	4.311	0.284	0.977	0.762	0.760	1.451
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:00	97.630	105.600	106.700	99.840	103.800	104.600	0.000	97.930
2	23:54:43	96.890	108.000	105.800	99.470	104.500	105.300	0.000	97.930
3	23:55:26	96.500	106.400	105.800	99.820	104.600	103.900	0.000	98.200
x		97.010%	106.684%	106.122%	99.713%	104.323%	104.609%	0.000	98.020%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.590	1.170	0.513	0.208	0.422	0.636	0.000	0.161
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:00	62.292%	97.000	97.470	59.353%	99.180	100.700	104.200	105.800
2	23:54:43	62.898%	99.970	101.500	59.901%	99.120	100.200	104.200	106.000
3	23:55:26	63.740%	99.870	101.900	60.492%	99.740	100.500	103.800	106.700
x		62.977%	98.951%	100.304%	59.915%	99.345%	100.447%	104.056%	106.166%
σ		0.727%	n/a	n/a	0.570%	n/a	n/a	n/a	n/a
%RSD		1.155	1.704	2.456	0.951	0.344	0.238	0.211	0.426
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:00	61.250%	100.200	102.100	102.000	96.020	97.790	65.987%	72.479%
2	23:54:43	62.435%	100.300	102.500	101.600	94.600	96.390	68.227%	74.509%
3	23:55:26	63.776%	100.700	101.200	100.900	95.150	95.520	69.815%	75.840%
x		62.487%	100.428%	101.973%	101.527%	95.257%	96.568%	68.010%	74.276%
σ		1.264%	n/a	n/a	n/a	n/a	n/a	1.923%	1.693%
%RSD		2.023	0.270	0.655	0.552	0.751	1.187	2.828	2.279
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:54:00	93.110	93.540	95.260	94.170	94.220	69.136%		
2	23:54:43	94.330	94.300	94.340	94.980	94.940	70.623%		
3	23:55:26	94.810	94.640	94.790	95.330	94.920	71.649%		
x		94.082%	94.159%	94.798%	94.828%	94.691%	70.469%		
σ		n/a	n/a	n/a	n/a	n/a	1.264%		
%RSD		0.932	0.595	0.482	0.630	0.432	1.793		

CCB8 12/28/2012 12:01:18 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:01	92.387%	-0.002	0.887	1.200	0.000	5.009	2.582	2.489
2	00:02:44	93.666%	-0.007	0.936	0.982	0.000	4.846	2.210	2.502
3	00:03:27	92.226%	-0.007	0.769	0.908	0.000	4.989	2.595	2.589
x		92.760%	-0.005	0.864	1.030	0.000	4.948	2.462	2.527
σ		0.789%	0.003	0.086	0.152	0.000	0.089	0.219	0.054
%RSD		0.851	59.530	9.911	14.740	0.000	1.790	8.881	2.155

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:01	1.170	-4.761	0.000	-13.860	22.770	17.020	92.191%	-0.012
2	00:02:44	1.125	-4.998	0.000	-14.750	18.430	19.970	90.866%	-0.016
3	00:03:27	1.135	-4.967	0.000	-14.070	22.770	17.900	88.806%	-0.103
x		1.143	-4.909	0.000	-14.230	21.320	18.290	90.621%	-0.043
σ		0.024	0.129	0.000	0.463	2.508	1.513	1.706%	0.051
%RSD		2.063	2.625	0.000	3.256	11.760	8.273	1.883	118.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:01	-0.020	-0.119	0.229	-17.980	10.920	-0.005	0.012	-0.010
2	00:02:44	-0.008	-0.107	0.214	-21.350	6.354	-0.006	0.002	-0.021
3	00:03:27	-0.005	-0.111	0.208	-23.580	5.267	-0.005	0.009	-0.023
x		-0.011	-0.113	0.217	-20.970	7.513	-0.005	0.008	-0.018
σ		0.008	0.006	0.011	2.817	2.998	0.000	0.005	0.007
%RSD		71.990	5.438	5.097	13.440	39.910	7.715	63.780	37.440

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:01	0.009	2.175	2.207	-0.516	-1.184	-2.209	0.000	0.018
2	00:02:44	0.009	2.108	2.233	-0.408	-1.236	-1.895	0.000	0.019
3	00:03:27	-0.013	2.017	2.136	-0.648	-1.344	-2.624	0.000	0.019
x		0.002	2.100	2.192	-0.524	-1.255	-2.242	0.000	0.019
σ		0.013	0.079	0.050	0.121	0.082	0.366	0.000	0.001
%RSD		788.000	3.782	2.282	23.000	6.506	16.310	0.000	3.950

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:01	80.657%	0.169	0.167	82.335%	0.001	-0.008	-0.104	-0.076
2	00:02:44	81.425%	0.148	0.143	81.957%	0.002	-0.004	-0.119	-0.077
3	00:03:27	80.654%	0.120	0.137	82.333%	-0.006	-0.000	-0.113	-0.094
x		80.912%	0.146	0.149	82.208%	-0.001	-0.004	-0.112	-0.082
σ		0.444%	0.025	0.016	0.218%	0.004	0.004	0.007	0.010
%RSD		0.549	16.990	10.410	0.265	405.100	94.560	6.674	12.450

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:01	82.210%	-0.168	-0.001	0.009	0.010	0.019	81.693%	82.835%
2	00:02:44	83.686%	-0.226	0.005	0.007	0.017	0.002	83.319%	84.935%
3	00:03:27	83.218%	-0.240	0.011	0.000	0.013	0.011	83.844%	85.105%
x		83.038%	-0.211	0.005	0.005	0.013	0.011	82.952%	84.292%
σ		0.754%	0.038	0.006	0.005	0.004	0.008	1.122%	1.264%
%RSD		0.908	18.010	115.200	87.210	27.750	79.930	1.352	1.500

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:01	0.001	-0.002	0.068	0.047	0.055	84.190%
2	00:02:44	0.001	-0.000	0.061	0.056	0.051	86.038%
3	00:03:27	0.003	0.003	0.045	0.035	0.046	86.240%
x		0.002	0.000	0.058	0.046	0.051	85.489%
σ		0.001	0.002	0.012	0.010	0.005	1.130%
%RSD		82.070	1147.000	20.260	22.980	9.705	1.321

180-17165-J-6-A@5 12/28/2012 12:05:40 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:23	50.075%	0.007	254.500	270.700	0.000	623300.000	79300.000	82300.000
2	00:07:06	51.336%	-0.000	250.300	269.600	0.000	605400.000	77580.000	81280.000
3	00:07:49	50.845%	0.006	260.500	282.900	0.000	623000.000	79580.000	83900.000
x		50.752%	0.004	255.100	274.400	0.000	617200.000	78820.000	82490.000
σ		0.635%	0.004	5.128	7.385	0.000	10240.000	1082.000	1323.000
%RSD		1.252	93.070	2.010	2.691	0.000	1.660	1.373	1.604
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:23	4.831	114.800	0.000	24900.000	28200.000	29210.000	61.396%	0.673
2	00:07:06	4.810	114.700	0.000	24260.000	27670.000	28600.000	61.987%	0.365
3	00:07:49	5.222	115.400	0.000	24600.000	28170.000	29540.000	62.277%	0.550
x		4.954	115.000	0.000	24590.000	28010.000	29120.000	61.887%	0.529
σ		0.232	0.389	0.000	317.100	293.600	478.500	0.449%	0.155
%RSD		4.678	0.338	0.000	1.290	1.048	1.643	0.726	29.350
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:23	-0.199	0.044	1.246	0.486	156.900	0.044	0.519	2.569
2	00:07:06	-0.093	0.079	1.218	-0.216	148.200	0.050	0.471	2.839
3	00:07:49	-0.541	0.028	1.220	-1.301	145.000	0.038	0.412	2.976
x		-0.278	0.050	1.228	-0.344	150.000	0.044	0.467	2.794
σ		0.234	0.026	0.016	0.900	6.169	0.006	0.053	0.207
%RSD		84.350	52.350	1.279	261.700	4.111	14.170	11.450	7.406
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:23	0.562	1.633	1.490	1.384	-0.296	5.920	0.000	492.300
2	00:07:06	0.520	1.495	1.215	1.330	-0.284	5.781	0.000	492.700
3	00:07:49	0.528	1.848	1.390	1.539	-0.219	6.060	0.000	496.300
x		0.537	1.659	1.365	1.418	-0.266	5.920	0.000	493.800
σ		0.022	0.178	0.139	0.108	0.042	0.139	0.000	2.233
%RSD		4.162	10.730	10.210	7.642	15.590	2.355	0.000	0.452
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:23	56.785%	0.968	0.960	53.565%	-0.004	-0.007	0.015	0.007
2	00:07:06	59.456%	0.928	0.968	55.428%	0.001	-0.012	0.004	-0.010
3	00:07:49	60.553%	0.919	0.940	56.318%	-0.009	-0.010	0.005	-0.020
x		58.931%	0.939	0.956	55.104%	-0.004	-0.010	0.008	-0.008
σ		1.938%	0.026	0.014	1.405%	0.005	0.003	0.006	0.014
%RSD		3.289	2.759	1.516	2.549	121.800	25.580	80.330	177.100
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:23	56.228%	0.199	0.064	0.050	6.179	6.364	65.559%	66.865%
2	00:07:06	59.366%	0.194	0.050	0.033	6.358	6.550	68.865%	70.096%
3	00:07:49	60.705%	0.146	0.053	0.048	6.276	6.290	70.504%	72.099%
x		58.766%	0.180	0.055	0.043	6.271	6.401	68.309%	69.687%
σ		2.298%	0.029	0.007	0.009	0.090	0.134	2.519%	2.641%
%RSD		3.911	16.180	13.150	21.360	1.432	2.095	3.687	3.790
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:06:23	-0.006	-0.003	0.047	0.029	0.044	63.006%		
2	00:07:06	-0.001	-0.002	0.021	0.022	0.025	64.842%		
3	00:07:49	0.003	-0.003	0.033	0.012	0.024	66.285%		
x		-0.001	-0.003	0.034	0.021	0.031	64.711%		
σ		0.004	0.000	0.013	0.009	0.011	1.644%		
%RSD		295.000	17.380	37.760	41.200	36.570	2.540		

180-17165-J-7-A@5 12/28/2012 12:10:02 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:45	51.613%	-0.004	248.100	261.900	0.000	595300.000	76120.000	78940.000
2	00:11:28	50.546%	0.010	247.600	262.700	0.000	599300.000	76270.000	79050.000
3	00:12:11	50.070%	0.013	249.500	265.000	0.000	598500.000	76960.000	80490.000
x		50.743%	0.007	248.400	263.200	0.000	597700.000	76450.000	79490.000
σ		0.790%	0.009	0.997	1.604	0.000	2086.000	447.900	869.200
%RSD		1.557	138.000	0.401	0.609	0.000	0.349	0.586	1.093
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:45	12.650	179.400	0.000	23660.000	27550.000	28150.000	62.575%	0.518
2	00:11:28	12.560	182.200	0.000	23970.000	27390.000	28900.000	63.132%	0.599
3	00:12:11	12.540	184.100	0.000	23690.000	27150.000	28410.000	63.054%	0.452
x		12.580	181.900	0.000	23770.000	27360.000	28490.000	62.920%	0.523
σ		0.055	2.358	0.000	167.500	199.300	382.900	0.302%	0.073
%RSD		0.440	1.296	0.000	0.705	0.729	1.344	0.479	14.030
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:45	-0.063	0.079	2.500	6.725	159.500	0.055	0.446	2.698
2	00:11:28	-0.082	0.126	2.462	7.085	148.900	0.057	0.501	2.828
3	00:12:11	-0.079	0.071	2.455	6.979	147.100	0.043	0.413	2.962
x		-0.075	0.092	2.473	6.930	151.800	0.052	0.453	2.830
σ		0.010	0.030	0.024	0.185	6.690	0.008	0.044	0.132
%RSD		13.350	32.520	0.981	2.669	4.406	14.790	9.784	4.669
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:45	0.493	1.495	0.855	1.496	-0.365	5.726	0.000	480.500
2	00:11:28	0.491	1.542	0.913	1.440	-0.320	5.494	0.000	477.700
3	00:12:11	0.521	1.223	1.054	1.620	-0.232	6.196	0.000	477.300
x		0.502	1.420	0.940	1.519	-0.305	5.805	0.000	478.500
σ		0.017	0.173	0.102	0.092	0.068	0.358	0.000	1.761
%RSD		3.321	12.150	10.900	6.087	22.220	6.163	0.000	0.368
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:45	58.411%	0.951	0.873	55.348%	-0.014	-0.011	0.045	0.021
2	00:11:28	61.132%	0.845	0.806	56.801%	-0.005	-0.007	-0.082	-0.070
3	00:12:11	62.382%	0.813	0.846	58.091%	-0.007	0.001	0.009	-0.013
x		60.642%	0.870	0.842	56.747%	-0.008	-0.006	-0.010	-0.020
σ		2.030%	0.072	0.034	1.372%	0.005	0.006	0.065	0.046
%RSD		3.348	8.267	4.004	2.419	56.310	109.400	684.500	225.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:45	58.577%	0.098	0.034	0.052	6.274	6.563	67.793%	69.417%
2	00:11:28	61.579%	0.063	0.028	0.043	6.339	6.397	71.118%	72.611%
3	00:12:11	62.387%	0.134	0.046	0.034	6.529	6.678	73.474%	74.510%
x		60.848%	0.098	0.036	0.043	6.381	6.546	70.795%	72.179%
σ		2.007%	0.035	0.009	0.009	0.132	0.141	2.854%	2.574%
%RSD		3.299	35.680	24.610	20.180	2.075	2.160	4.031	3.566
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:10:45	-0.002	-0.005	0.041	0.042	0.046	63.940%		
2	00:11:28	-0.005	-0.006	0.039	0.042	0.041	67.198%		
3	00:12:11	-0.001	-0.005	0.028	0.035	0.030	68.468%		
x		-0.003	-0.005	0.036	0.040	0.039	66.535%		
σ		0.002	0.001	0.007	0.004	0.008	2.336%		
%RSD		76.220	13.210	19.770	9.908	20.280	3.511		

180-17165-J-8-A@5 12/28/2012 12:14:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:15:05	50.417%	0.003	250.200	269.900	0.000	604900.000	77300.000	80720.000
2	00:15:48	50.631%	-0.013	250.900	265.100	0.000	601900.000	76850.000	80430.000
3	00:16:31	52.834%	-0.004	245.100	266.900	0.000	594500.000	75920.000	78910.000
x		51.294%	-0.005	248.700	267.300	0.000	600400.000	76690.000	80020.000
σ		1.338%	0.008	3.121	2.452	0.000	5349.000	707.200	972.500
%RSD		2.609	176.500	1.255	0.917	0.000	0.891	0.922	1.215

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:15:05	8.933	157.500	0.000	24240.000	27830.000	27930.000	63.798%	0.563
2	00:15:48	8.888	157.600	0.000	24190.000	27930.000	27610.000	63.385%	0.429
3	00:16:31	9.608	154.700	0.000	23920.000	27010.000	28230.000	66.301%	0.412
x		9.143	156.600	0.000	24120.000	27590.000	27920.000	64.495%	0.468
σ		0.404	1.677	0.000	174.100	507.400	311.200	1.578%	0.082
%RSD		4.413	1.071	0.000	0.722	1.839	1.114	2.447	17.610

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:15:05	-0.175	0.115	1.802	1.982	150.200	0.049	0.586	2.835
2	00:15:48	-0.355	0.064	1.947	2.191	147.400	0.051	0.469	2.890
3	00:16:31	-0.108	0.082	1.840	2.761	142.500	0.041	0.538	3.090
x		-0.213	0.087	1.863	2.312	146.700	0.047	0.531	2.938
σ		0.127	0.026	0.075	0.403	3.931	0.005	0.059	0.134
%RSD		59.870	29.780	4.017	17.450	2.679	11.530	11.090	4.575

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:15:05	0.471	1.386	0.937	1.910	-0.380	7.489	0.000	485.500
2	00:15:48	0.456	1.118	0.740	1.396	-0.308	5.946	0.000	482.300
3	00:16:31	0.454	1.322	0.940	1.381	-0.319	5.699	0.000	480.300
x		0.460	1.275	0.872	1.562	-0.336	6.378	0.000	482.700
σ		0.009	0.140	0.115	0.301	0.039	0.970	0.000	2.623
%RSD		1.973	10.980	13.140	19.260	11.660	15.210	0.000	0.543

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:15:05	59.924%	0.779	0.796	56.457%	-0.013	-0.009	-0.119	-0.090
2	00:15:48	62.769%	0.865	0.822	58.050%	-0.005	-0.014	0.006	-0.006
3	00:16:31	64.356%	0.851	0.907	59.458%	-0.008	-0.014	-0.009	-0.032
x		62.350%	0.832	0.842	57.988%	-0.008	-0.012	-0.041	-0.042
σ		2.245%	0.046	0.058	1.501%	0.004	0.003	0.068	0.043
%RSD		3.601	5.562	6.911	2.589	47.240	25.530	168.000	101.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:15:05	60.232%	0.273	0.047	0.045	6.452	6.617	70.052%	71.360%
2	00:15:48	62.352%	0.140	0.032	0.055	6.393	6.496	72.762%	74.085%
3	00:16:31	63.605%	0.163	0.033	0.030	6.678	6.799	74.485%	75.890%
x		62.063%	0.192	0.038	0.043	6.507	6.637	72.433%	73.778%
σ		1.705%	0.071	0.008	0.012	0.151	0.153	2.234%	2.281%
%RSD		2.747	37.010	21.980	28.540	2.316	2.302	3.085	3.091

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:15:05	-0.008	-0.007	0.037	0.025	0.032	65.872%
2	00:15:48	-0.004	-0.002	0.018	0.021	0.020	68.622%
3	00:16:31	-0.000	-0.007	0.036	0.035	0.027	69.845%
x		-0.004	-0.005	0.031	0.027	0.027	68.113%
σ		0.004	0.003	0.011	0.007	0.006	2.034%
%RSD		97.650	48.920	35.660	27.480	22.310	2.987

180-17165-J-9-A@5 12/28/2012 12:18:41 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:24	50.035%	0.000	272.700	285.100	0.000	639700.000	81720.000	85040.000
2	00:20:06	50.025%	0.010	264.300	283.400	0.000	635100.000	81440.000	85300.000
3	00:20:50	51.496%	0.003	265.400	282.500	0.000	634200.000	81170.000	84380.000
x		50.519%	0.004	267.500	283.600	0.000	636300.000	81440.000	84910.000
σ		0.846%	0.005	4.577	1.353	0.000	2965.000	278.700	471.400
%RSD		1.675	115.600	1.711	0.477	0.000	0.466	0.342	0.555

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:24	23.850	156.200	0.000	25850.000	28910.000	31150.000	63.657%	0.486
2	00:20:06	23.760	157.800	0.000	25790.000	29120.000	30580.000	64.188%	0.846
3	00:20:50	24.290	156.100	0.000	25770.000	29170.000	30870.000	64.646%	0.809
x		23.970	156.700	0.000	25800.000	29070.000	30870.000	64.164%	0.714
σ		0.287	0.964	0.000	41.570	140.800	285.300	0.495%	0.198
%RSD		1.197	0.615	0.000	0.161	0.484	0.924	0.771	27.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:24	0.089	0.105	3.544	17.000	174.800	0.070	0.548	3.178
2	00:20:06	0.147	0.112	3.559	17.840	172.600	0.062	0.389	3.307
3	00:20:50	0.061	0.110	3.530	19.290	165.300	0.057	0.493	3.504
x		0.099	0.109	3.545	18.040	170.900	0.063	0.477	3.330
σ		0.044	0.003	0.015	1.155	4.974	0.006	0.081	0.164
%RSD		44.210	3.139	0.412	6.403	2.910	10.070	16.890	4.924

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:24	0.647	3.554	3.554	2.151	-0.194	7.320	0.000	513.400
2	00:20:06	0.551	3.784	3.101	1.626	-0.233	5.846	0.000	513.800
3	00:20:50	0.602	3.438	2.980	1.579	-0.290	6.991	0.000	514.400
x		0.600	3.592	3.212	1.785	-0.239	6.719	0.000	513.900
σ		0.048	0.176	0.303	0.318	0.048	0.774	0.000	0.520
%RSD		7.999	4.909	9.431	17.790	20.130	11.510	0.000	0.101

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:24	59.950%	0.847	0.828	56.520%	-0.002	-0.010	-0.033	-0.031
2	00:20:06	61.552%	0.890	0.894	57.621%	-0.002	-0.008	-0.043	-0.045
3	00:20:50	63.280%	0.928	0.926	59.234%	-0.008	-0.002	-0.041	-0.036
x		61.594%	0.888	0.883	57.792%	-0.004	-0.007	-0.039	-0.037
σ		1.665%	0.040	0.050	1.365%	0.003	0.004	0.005	0.007
%RSD		2.704	4.549	5.671	2.362	89.050	65.500	12.790	18.280

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:24	59.618%	0.069	0.040	0.042	6.266	6.277	69.647%	70.961%
2	00:20:06	62.180%	0.059	0.043	0.032	6.127	6.296	72.625%	73.771%
3	00:20:50	64.148%	-0.076	0.051	0.047	6.009	6.090	73.563%	75.500%
x		61.982%	0.017	0.045	0.040	6.134	6.221	71.945%	73.411%
σ		2.271%	0.081	0.005	0.008	0.129	0.114	2.045%	2.290%
%RSD		3.665	465.600	12.030	19.340	2.098	1.830	2.842	3.120

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:24	-0.003	-0.005	0.088	0.080	0.086	64.850%
2	00:20:06	-0.003	-0.004	0.073	0.055	0.068	67.298%
3	00:20:50	-0.002	-0.006	0.079	0.064	0.065	68.697%
x		-0.003	-0.005	0.080	0.066	0.073	66.948%
σ		0.001	0.001	0.008	0.012	0.011	1.947%
%RSD		22.960	23.780	9.430	18.490	15.370	2.908

180-17165-J-9-A SD@25 12/28/2012 12:23:00 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:43	54.711%	-0.005	61.280	65.780	0.000	133800.000	16220.000	17030.000
2	00:24:26	53.594%	-0.011	60.950	65.890	0.000	137500.000	16500.000	17260.000
3	00:25:08	54.253%	-0.005	59.590	63.370	0.000	136100.000	16470.000	17290.000
x		54.186%	-0.007	60.610	65.010	0.000	135800.000	16390.000	17190.000
σ		0.562%	0.003	0.893	1.423	0.000	1860.000	153.900	144.900
%RSD		1.037	46.020	1.473	2.189	0.000	1.370	0.939	0.843

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:43	3.845	30.910	0.000	5240.000	5680.000	6001.000	68.619%	-0.022
2	00:24:26	3.618	31.190	0.000	5110.000	5817.000	6017.000	67.923%	0.052
3	00:25:08	3.689	31.910	0.000	5070.000	5777.000	6081.000	67.843%	-0.039
x		3.718	31.340	0.000	5140.000	5758.000	6033.000	68.128%	-0.003
σ		0.116	0.514	0.000	88.970	70.080	42.460	0.427%	0.048
%RSD		3.125	1.639	0.000	1.731	1.217	0.704	0.626	1758.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:43	-0.183	-0.043	0.781	-10.120	33.190	0.008	0.152	0.901
2	00:24:26	-0.005	-0.024	0.733	-12.540	29.550	0.005	0.173	0.888
3	00:25:08	-0.160	0.046	0.744	-10.690	29.890	-0.001	0.152	0.866
x		-0.116	-0.007	0.753	-11.120	30.870	0.004	0.159	0.885
σ		0.097	0.047	0.025	1.267	2.009	0.005	0.012	0.018
%RSD		83.360	701.300	3.364	11.390	6.509	113.800	7.635	2.010

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:43	0.326	0.322	-0.026	0.411	-0.516	1.960	0.000	102.300
2	00:24:26	0.362	0.416	0.183	0.432	-0.526	1.775	0.000	101.400
3	00:25:08	0.373	0.269	0.180	0.476	-0.441	1.995	0.000	101.000
x		0.354	0.336	0.112	0.440	-0.494	1.910	0.000	101.600
σ		0.025	0.075	0.120	0.033	0.047	0.118	0.000	0.653
%RSD		7.038	22.200	107.000	7.567	9.471	6.199	0.000	0.643

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:43	63.544%	0.183	0.190	64.268%	-0.005	-0.009	0.032	0.024
2	00:24:26	64.486%	0.138	0.150	65.037%	-0.008	-0.008	0.004	-0.003
3	00:25:08	64.962%	0.205	0.177	65.214%	-0.011	-0.004	0.026	0.011
x		64.331%	0.175	0.172	64.840%	-0.008	-0.007	0.021	0.010
σ		0.722%	0.034	0.020	0.503%	0.003	0.003	0.015	0.013
%RSD		1.122	19.610	11.780	0.775	41.810	40.820	71.680	128.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:43	65.338%	-0.027	-0.006	-0.004	1.277	1.246	73.683%	75.533%
2	00:24:26	66.555%	-0.014	0.018	0.007	1.281	1.301	75.747%	77.155%
3	00:25:08	66.557%	0.001	-0.014	-0.001	1.184	1.142	75.997%	77.717%
x		66.150%	-0.013	-0.001	0.001	1.247	1.230	75.142%	76.802%
σ		0.703%	0.014	0.017	0.006	0.054	0.081	1.270%	1.134%
%RSD		1.063	106.900	2446.000	795.300	4.369	6.561	1.690	1.477

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:43	-0.006	-0.009	0.023	0.027	0.023	77.652%
2	00:24:26	-0.004	-0.008	0.019	0.001	0.010	79.567%
3	00:25:08	-0.007	-0.007	0.007	0.006	0.009	80.216%
x		-0.006	-0.008	0.017	0.011	0.014	79.145%
σ		0.002	0.001	0.008	0.014	0.008	1.333%
%RSD		28.270	9.080	49.860	123.400	55.550	1.684

180-17165-J-9-B MS@5 12/28/2012 12:27:19 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:02	47.659%	8.819	501.600	527.100	0.000	841100.000	117800.000	122300.000
2	00:28:45	46.801%	8.699	492.100	523.100	0.000	828500.000	117900.000	123500.000
3	00:29:28	47.348%	8.883	490.000	525.700	0.000	831000.000	116900.000	123400.000
x		47.269%	8.801	494.600	525.300	0.000	833500.000	117500.000	123100.000
σ		0.435%	0.093	6.147	2.035	0.000	6676.000	514.700	691.700
%RSD		0.920	1.061	1.243	0.387	0.000	0.801	0.438	0.562

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:02	485.100	2431.000	0.000	42950.000	46270.000	49960.000	60.602%	179.100
2	00:28:45	493.000	2474.000	0.000	42420.000	45680.000	49500.000	60.382%	178.600
3	00:29:28	493.600	2417.000	0.000	42580.000	45490.000	49330.000	62.632%	182.100
x		490.600	2441.000	0.000	42650.000	45820.000	49600.000	61.206%	179.900
σ		4.747	29.480	0.000	272.500	404.800	325.000	1.240%	1.881
%RSD		0.968	1.208	0.000	0.639	0.884	0.655	2.026	1.045

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:02	88.280	34.560	99.060	270.300	504.200	79.000	76.190	41.710
2	00:28:45	89.120	34.600	98.710	267.400	486.800	78.410	76.230	42.160
3	00:29:28	88.890	34.400	99.270	269.500	484.900	78.290	75.810	42.260
x		88.760	34.520	99.010	269.100	491.900	78.570	76.080	42.040
σ		0.434	0.104	0.281	1.533	10.650	0.378	0.229	0.295
%RSD		0.488	0.302	0.284	0.570	2.164	0.480	0.301	0.701

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:02	37.910	79.830	80.010	8.507	1.245	9.289	0.000	838.700
2	00:28:45	38.420	80.050	79.350	8.380	1.095	9.409	0.000	827.100
3	00:29:28	37.930	80.280	78.360	8.300	1.051	9.052	0.000	834.200
x		38.090	80.050	79.240	8.396	1.130	9.250	0.000	833.400
σ		0.290	0.227	0.830	0.104	0.102	0.182	0.000	5.852
%RSD		0.761	0.283	1.048	1.242	9.026	1.966	0.000	0.702

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:02	59.984%	179.100	186.100	52.665%	8.011	8.093	8.372	7.918
2	00:28:45	62.330%	182.700	188.400	54.226%	7.947	8.145	8.579	7.967
3	00:29:28	63.345%	182.200	188.600	55.635%	8.109	7.999	8.468	7.972
x		61.886%	181.300	187.700	54.175%	8.023	8.079	8.473	7.952
σ		1.724%	1.972	1.359	1.486%	0.082	0.074	0.104	0.030
%RSD		2.785	1.088	0.724	2.742	1.017	0.914	1.224	0.376

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:02	57.153%	358.800	89.090	89.010	346.800	347.700	67.171%	68.448%
2	00:28:45	59.454%	358.700	89.600	88.490	347.600	345.700	69.944%	71.733%
3	00:29:28	61.316%	358.100	88.630	88.920	347.400	349.100	71.750%	73.218%
x		59.308%	358.600	89.100	88.800	347.300	347.500	69.622%	71.133%
σ		2.086%	0.363	0.484	0.278	0.385	1.692	2.307%	2.441%
%RSD		3.517	0.101	0.544	0.313	0.111	0.487	3.313	3.432

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:02	8.599	8.787	3.702	3.739	3.689	61.541%
2	00:28:45	8.620	8.719	3.627	3.742	3.666	64.911%
3	00:29:28	8.788	8.761	3.577	3.568	3.638	66.064%
x		8.669	8.756	3.635	3.683	3.664	64.172%
σ		0.103	0.034	0.063	0.100	0.026	2.350%
%RSD		1.194	0.394	1.730	2.709	0.706	3.663

180-17165-J-9-C MSD@5 12/28/2012 12:31:39 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:21	47.217%	9.109	457.800	482.400	0.000	733300.000	102400.000	107300.000
2	00:33:04	47.088%	8.961	456.900	480.700	0.000	723000.000	101200.000	107400.000
3	00:33:47	46.323%	8.931	461.500	488.100	0.000	727100.000	102700.000	108800.000
x		46.876%	9.001	458.700	483.700	0.000	727800.000	102100.000	107800.000
σ		0.483%	0.095	2.476	3.849	0.000	5187.000	778.100	844.000
%RSD		1.031	1.056	0.540	0.796	0.000	0.713	0.762	0.783
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:21	443.900	2260.000	0.000	38280.000	41510.000	44490.000	62.695%	176.500
2	00:33:04	450.700	2294.000	0.000	37730.000	40760.000	44180.000	62.968%	176.900
3	00:33:47	447.600	2276.000	0.000	37890.000	40610.000	43890.000	63.670%	177.700
x		447.400	2277.000	0.000	37970.000	40960.000	44190.000	63.111%	177.000
σ		3.386	17.100	0.000	287.300	481.500	303.100	0.503%	0.637
%RSD		0.757	0.751	0.000	0.757	1.175	0.686	0.797	0.360
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:21	87.160	34.010	98.010	236.400	446.400	79.620	76.350	41.780
2	00:33:04	89.640	34.440	97.770	237.700	436.100	80.380	77.080	41.800
3	00:33:47	88.010	34.410	98.460	235.900	437.700	79.920	77.390	42.810
x		88.270	34.290	98.080	236.600	440.100	79.980	76.940	42.130
σ		1.259	0.240	0.351	0.950	5.536	0.379	0.537	0.586
%RSD		1.426	0.701	0.358	0.401	1.258	0.474	0.698	1.392
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:21	38.320	81.780	83.200	8.298	1.399	8.675	0.000	767.400
2	00:33:04	38.590	82.390	81.640	7.996	1.372	7.831	0.000	764.700
3	00:33:47	38.640	82.260	82.940	7.979	1.337	8.248	0.000	766.800
x		38.520	82.140	82.590	8.091	1.369	8.252	0.000	766.300
σ		0.169	0.318	0.838	0.179	0.031	0.422	0.000	1.422
%RSD		0.439	0.387	1.014	2.216	2.272	5.116	0.000	0.186
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:21	59.250%	182.900	186.200	54.840%	7.974	8.216	8.284	8.112
2	00:33:04	61.614%	184.400	188.200	56.723%	8.139	8.085	8.879	7.751
3	00:33:47	62.110%	185.700	188.900	57.709%	7.971	8.061	8.413	7.718
x		60.992%	184.300	187.800	56.424%	8.028	8.121	8.525	7.860
σ		1.528%	1.420	1.382	1.457%	0.096	0.083	0.313	0.219
%RSD		2.506	0.771	0.736	2.583	1.194	1.023	3.675	2.786
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:21	59.892%	358.300	88.510	88.160	343.100	344.800	69.820%	71.350%
2	00:33:04	61.966%	360.700	89.310	88.810	345.500	345.400	72.588%	74.220%
3	00:33:47	62.813%	360.500	88.860	88.990	345.800	346.300	73.781%	75.626%
x		61.557%	359.800	88.890	88.650	344.800	345.500	72.063%	73.732%
σ		1.503%	1.327	0.401	0.438	1.513	0.772	2.032%	2.180%
%RSD		2.441	0.369	0.451	0.494	0.439	0.223	2.820	2.956
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:32:21	8.537	8.701	3.617	3.645	3.628	65.095%		
2	00:33:04	8.724	8.797	3.633	3.829	3.657	67.330%		
3	00:33:47	8.760	8.760	3.644	3.539	3.574	68.888%		
x		8.674	8.753	3.631	3.671	3.620	67.104%		
σ		0.120	0.048	0.013	0.146	0.042	1.907%		
%RSD		1.378	0.552	0.368	3.986	1.162	2.841		

180-17208-J-1-A@5 12/28/2012 12:35:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:42	52.063%	0.008	173.200	187.200	0.000	410400.000	51420.000	53220.000
2	00:37:25	50.747%	0.006	168.900	186.200	0.000	404600.000	51150.000	53760.000
3	00:38:08	51.036%	0.012	171.500	183.500	0.000	402400.000	50720.000	53420.000
x		51.282%	0.009	171.200	185.600	0.000	405800.000	51100.000	53460.000
σ		0.692%	0.003	2.164	1.929	0.000	4149.000	351.200	272.800
%RSD		1.349	34.460	1.264	1.039	0.000	1.022	0.687	0.510

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:42	53.300	374.500	0.000	16000.000	19510.000	20460.000	66.728%	4.723
2	00:37:25	54.950	390.100	0.000	15780.000	19510.000	20370.000	67.012%	1.327
3	00:38:08	53.720	375.900	0.000	15770.000	19270.000	20340.000	66.671%	1.667
x		53.990	380.100	0.000	15850.000	19430.000	20390.000	66.803%	2.572
σ		0.857	8.629	0.000	131.400	141.400	61.400	0.182%	1.871
%RSD		1.588	2.270	0.000	0.829	0.728	0.301	0.273	72.720

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:42	0.022	0.177	8.789	66.530	174.100	0.119	0.590	2.450
2	00:37:25	-0.335	0.197	8.829	67.230	169.500	0.093	0.563	2.352
3	00:38:08	-0.134	0.149	9.068	67.330	169.800	0.106	0.604	2.407
x		-0.149	0.174	8.895	67.030	171.100	0.106	0.586	2.403
σ		0.179	0.024	0.151	0.433	2.565	0.013	0.021	0.049
%RSD		119.900	13.870	1.697	0.646	1.499	12.100	3.520	2.031

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:42	0.614	2.193	2.088	0.763	-0.261	3.213	0.000	321.400
2	00:37:25	0.617	2.017	1.896	0.998	-0.536	2.944	0.000	322.800
3	00:38:08	0.648	2.023	1.960	0.958	-0.240	3.491	0.000	322.500
x		0.626	2.077	1.981	0.906	-0.346	3.216	0.000	322.200
σ		0.019	0.100	0.098	0.125	0.165	0.273	0.000	0.730
%RSD		3.020	4.808	4.925	13.830	47.840	8.502	0.000	0.227

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:42	63.323%	2.006	2.093	60.792%	-0.004	-0.012	-0.007	-0.054
2	00:37:25	64.825%	1.527	1.541	61.308%	-0.006	-0.006	-0.006	-0.037
3	00:38:08	65.086%	1.122	1.165	62.409%	-0.001	-0.010	-0.092	-0.070
x		64.411%	1.552	1.599	61.503%	-0.003	-0.009	-0.035	-0.054
σ		0.952%	0.443	0.467	0.826%	0.003	0.003	0.050	0.016
%RSD		1.478	28.530	29.180	1.342	76.000	30.000	142.700	30.640

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:42	64.143%	3.751	0.207	0.219	6.844	7.013	74.250%	75.672%
2	00:37:25	65.646%	2.294	0.138	0.166	6.772	6.940	75.376%	77.623%
3	00:38:08	65.931%	1.543	0.117	0.114	6.676	7.046	77.248%	78.549%
x		65.240%	2.529	0.154	0.166	6.764	7.000	75.624%	77.281%
σ		0.961%	1.122	0.047	0.052	0.084	0.054	1.514%	1.469%
%RSD		1.473	44.370	30.430	31.490	1.247	0.768	2.002	1.901

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:42	0.100	0.103	0.133	0.084	0.112	72.465%
2	00:37:25	0.059	0.055	0.108	0.082	0.103	74.162%
3	00:38:08	0.044	0.044	0.103	0.103	0.104	74.865%
x		0.068	0.067	0.115	0.089	0.106	73.831%
σ		0.029	0.032	0.016	0.012	0.005	1.234%
%RSD		42.680	47.190	14.090	12.910	4.309	1.672

180-17208-J-2-A@5 12/28/2012 12:40:19 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:02	50.666%	0.029	155.200	167.700	0.000	370700.000	46170.000	48410.000
2	00:41:45	50.065%	0.020	149.400	161.000	0.000	360100.000	44920.000	46780.000
3	00:42:28	49.026%	0.001	152.400	169.000	0.000	366300.000	46190.000	48710.000
x		49.919%	0.017	152.300	165.900	0.000	365700.000	45760.000	47970.000
σ		0.830%	0.014	2.913	4.321	0.000	5341.000	730.600	1037.000
%RSD		1.662	85.850	1.913	2.604	0.000	1.461	1.597	2.161

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:02	210.100	390.500	0.000	14360.000	17620.000	18610.000	65.624%	0.983
2	00:41:45	209.700	381.600	0.000	13950.000	17820.000	18450.000	65.566%	1.115
3	00:42:28	216.000	390.900	0.000	14290.000	17950.000	18830.000	64.923%	0.975
x		211.900	387.700	0.000	14200.000	17790.000	18630.000	65.371%	1.025
σ		3.523	5.253	0.000	217.300	165.600	188.800	0.389%	0.079
%RSD		1.662	1.355	0.000	1.530	0.930	1.013	0.595	7.670

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:02	-0.022	0.193	8.095	63.990	164.400	0.094	0.520	2.017
2	00:41:45	0.191	0.176	7.814	63.310	156.000	0.106	0.496	2.038
3	00:42:28	-0.173	0.117	8.344	66.410	164.500	0.090	0.559	2.000
x		-0.001	0.162	8.084	64.570	161.600	0.097	0.525	2.019
σ		0.183	0.040	0.265	1.625	4.904	0.008	0.031	0.019
%RSD		18500.000	24.870	3.276	2.516	3.034	8.488	5.976	0.940

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:02	0.509	2.459	2.310	0.901	-0.606	3.788	0.000	291.600
2	00:41:45	0.424	2.310	1.957	0.917	-0.465	3.977	0.000	287.200
3	00:42:28	0.530	2.249	2.294	0.876	-0.330	3.698	0.000	293.700
x		0.488	2.339	2.187	0.898	-0.467	3.821	0.000	290.900
σ		0.056	0.108	0.199	0.021	0.138	0.143	0.000	3.318
%RSD		11.510	4.613	9.119	2.286	29.620	3.733	0.000	1.141

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:02	62.800%	0.673	0.715	60.190%	-0.010	-0.008	-0.026	-0.023
2	00:41:45	63.587%	0.738	0.681	60.499%	-0.010	-0.006	-0.060	-0.066
3	00:42:28	63.706%	0.618	0.628	60.501%	-0.007	-0.007	-0.089	-0.073
x		63.364%	0.676	0.674	60.397%	-0.009	-0.007	-0.058	-0.054
σ		0.492%	0.061	0.044	0.179%	0.002	0.001	0.031	0.027
%RSD		0.777	8.945	6.504	0.296	19.260	15.530	53.680	49.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:02	62.513%	0.732	0.052	0.055	6.509	6.682	72.595%	74.141%
2	00:41:45	65.005%	0.662	0.066	0.064	6.881	6.490	75.311%	77.055%
3	00:42:28	64.909%	0.585	0.064	0.056	6.529	6.577	75.477%	77.252%
x		64.142%	0.660	0.061	0.058	6.640	6.583	74.461%	76.149%
σ		1.412%	0.074	0.008	0.005	0.209	0.096	1.618%	1.742%
%RSD		2.201	11.150	12.800	8.207	3.148	1.462	2.173	2.287

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:02	0.023	0.009	0.139	0.105	0.115	71.330%
2	00:41:45	0.014	0.010	0.083	0.097	0.095	74.900%
3	00:42:28	0.015	0.006	0.101	0.094	0.096	74.331%
x		0.017	0.009	0.107	0.099	0.102	73.520%
σ		0.005	0.002	0.028	0.005	0.011	1.918%
%RSD		26.890	25.000	26.490	5.397	11.250	2.609

180-17208-J-3-A@5 12/28/2012 12:44:39 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:22	48.286%	-0.005	213.200	223.900	0.000	521400.000	65550.000	69050.000
2	00:46:05	50.052%	0.013	208.200	225.600	0.000	507300.000	64240.000	66850.000
3	00:46:50	48.977%	0.004	214.600	228.000	0.000	509300.000	65070.000	69650.000
x		49.105%	0.004	212.000	225.800	0.000	512700.000	64950.000	68510.000
σ		0.890%	0.009	3.318	2.054	0.000	7605.000	664.500	1476.000
%RSD		1.812	222.800	1.565	0.909	0.000	1.483	1.023	2.154
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:22	80.250	364.400	0.000	20490.000	23570.000	24690.000	64.167%	1.425
2	00:46:05	86.050	350.800	0.000	20280.000	23620.000	24590.000	64.808%	1.465
3	00:46:50	74.700	352.300	0.000	20580.000	24190.000	24870.000	63.760%	2.572
x		80.330	355.800	0.000	20450.000	23790.000	24720.000	64.245%	1.821
σ		5.678	7.471	0.000	156.300	346.800	137.800	0.528%	0.651
%RSD		7.068	2.100	0.000	0.764	1.458	0.558	0.823	35.770
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:22	-0.309	0.187	11.970	97.020	225.700	0.138	0.620	2.835
2	00:46:05	-0.000	0.151	11.530	95.470	215.900	0.137	0.465	2.770
3	00:46:50	0.181	0.206	11.880	99.760	224.600	0.130	0.574	2.903
x		-0.043	0.181	11.800	97.420	222.100	0.135	0.553	2.836
σ		0.248	0.028	0.233	2.172	5.341	0.004	0.080	0.067
%RSD		578.700	15.280	1.974	2.229	2.405	3.142	14.460	2.350
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:22	0.555	2.321	1.587	1.491	-0.452	4.806	0.000	407.800
2	00:46:05	0.469	2.321	2.171	1.102	-0.351	4.757	0.000	408.600
3	00:46:50	0.420	2.489	2.082	1.642	-0.407	5.807	0.000	405.100
x		0.481	2.377	1.947	1.412	-0.403	5.123	0.000	407.200
σ		0.068	0.097	0.315	0.279	0.050	0.592	0.000	1.837
%RSD		14.110	4.068	16.150	19.740	12.500	11.560	0.000	0.451
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:22	60.354%	0.799	0.818	57.974%	-0.008	-0.008	-0.037	-0.022
2	00:46:05	62.276%	0.862	0.766	58.732%	-0.002	-0.008	0.020	-0.006
3	00:46:50	63.351%	0.728	0.845	59.778%	0.002	-0.008	0.013	-0.007
x		61.994%	0.797	0.810	58.828%	-0.003	-0.008	-0.001	-0.012
σ		1.518%	0.067	0.040	0.906%	0.005	0.000	0.031	0.009
%RSD		2.449	8.422	4.978	1.540	210.200	4.053	2123.000	79.050
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:22	61.218%	0.575	0.045	0.058	7.148	6.918	71.085%	72.674%
2	00:46:05	63.038%	0.447	0.063	0.057	6.921	6.628	73.444%	75.211%
3	00:46:50	64.061%	0.473	0.052	0.053	6.537	6.892	74.773%	76.146%
x		62.773%	0.498	0.053	0.056	6.869	6.812	73.101%	74.677%
σ		1.440%	0.068	0.009	0.003	0.309	0.161	1.868%	1.796%
%RSD		2.294	13.610	17.270	5.087	4.496	2.356	2.555	2.405
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:45:22	0.010	0.008	0.146	0.135	0.141	68.624%		
2	00:46:05	0.007	0.009	0.162	0.152	0.140	70.866%		
3	00:46:50	0.012	0.002	0.141	0.123	0.128	71.849%		
x		0.010	0.006	0.150	0.137	0.136	70.446%		
σ		0.003	0.004	0.011	0.014	0.007	1.653%		
%RSD		25.910	63.960	7.160	10.420	5.143	2.346		

CCV 664806 12/28/2012 12:51:58 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:41	49.090%	103.500	100.100	100.500	0.000	49960.000	49260.000	50530.000
2	00:53:24	48.884%	104.500	100.800	101.100	0.000	49310.000	49200.000	50280.000
3	00:54:06	50.689%	103.000	99.600	101.100	0.000	48910.000	48930.000	50740.000
x		49.554%	103.672%	100.153%	100.888%	0.000	98.781%	98.263%	101.034%
σ		0.988%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.994	0.706	0.581	0.371	0.000	1.078	0.367	0.456

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:41	530.900	5286.000	0.000	49210.000	48490.000	51970.000	63.347%	98.640
2	00:53:24	533.700	5308.000	0.000	48540.000	47980.000	52100.000	63.078%	98.990
3	00:54:06	533.500	5249.000	0.000	49180.000	48360.000	52100.000	63.382%	99.360
x		106.545%	105.621%	0.000	97.954%	96.552%	104.108%	63.269%	98.998%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.166%	n/a
%RSD		0.294	0.562	0.000	0.773	0.544	0.142	0.263	0.361

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:41	96.400	97.190	516.000	26130.000	25710.000	92.150	92.040	93.120
2	00:53:24	97.650	96.240	532.500	26330.000	26050.000	92.770	93.810	93.720
3	00:54:06	98.170	98.000	479.700	26630.000	26520.000	94.780	93.250	93.940
x		97.407%	97.143%	101.881%	105.461%	104.379%	93.233%	93.032%	93.593%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.934	0.904	5.299	0.960	1.563	1.472	0.973	0.457

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:41	93.590	105.100	104.100	96.360	99.630	100.200	0.000	95.810
2	00:53:24	92.670	102.500	104.400	95.340	101.700	102.000	0.000	96.140
3	00:54:06	93.560	105.000	105.900	96.600	102.500	101.300	0.000	96.220
x		93.273%	104.218%	104.805%	96.100%	101.280%	101.159%	0.000	96.059%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.560	1.394	0.953	0.701	1.453	0.872	0.000	0.229

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:41	61.028%	93.910	95.240	58.712%	96.400	97.750	103.000	105.300
2	00:53:24	62.062%	96.690	97.270	59.246%	97.300	98.310	103.700	106.900
3	00:54:06	62.920%	98.620	98.490	60.126%	96.470	98.330	103.900	106.400
x		62.003%	96.405%	96.999%	59.361%	96.727%	98.131%	103.523%	106.217%
σ		0.947%	n/a	n/a	0.714%	n/a	n/a	n/a	n/a
%RSD		1.528	2.455	1.695	1.202	0.515	0.337	0.496	0.789

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:41	60.423%	99.640	101.000	101.300	94.330	95.860	66.577%	69.612%
2	00:53:24	61.842%	99.860	101.800	102.500	95.250	96.280	68.560%	71.416%
3	00:54:06	62.530%	99.600	102.000	101.000	94.290	95.600	69.690%	72.339%
x		61.598%	99.698%	101.610%	101.583%	94.626%	95.912%	68.275%	71.122%
σ		1.074%	n/a	n/a	n/a	n/a	n/a	1.576%	1.387%
%RSD		1.744	0.141	0.514	0.759	0.574	0.355	2.308	1.951

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:41	91.720	92.370	92.430	92.410	91.960	72.354%
2	00:53:24	93.190	93.710	94.430	94.470	94.120	73.419%
3	00:54:06	94.510	94.390	94.730	95.060	94.510	73.931%
x		93.142%	93.489%	93.862%	93.981%	93.528%	73.234%
σ		n/a	n/a	n/a	n/a	n/a	0.804%
%RSD		1.500	1.099	1.331	1.477	1.471	1.098

CCB9 12/28/2012 12:59:15 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:58	84.620%	0.005	1.824	1.820	0.000	10.390	2.624	3.201
2	01:00:41	84.637%	-0.007	1.786	1.928	0.000	10.000	2.757	2.872
3	01:01:24	83.567%	0.003	1.714	1.870	0.000	10.360	2.695	3.020
x		84.275%	0.000	1.775	1.873	0.000	10.250	2.692	3.031
σ		0.613%	0.006	0.056	0.054	0.000	0.216	0.067	0.165
%RSD		0.728	1552.000	3.152	2.886	0.000	2.105	2.479	5.437
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:58	1.304	-4.754	0.000	-14.240	13.750	18.050	93.301%	-0.007
2	01:00:41	1.213	-4.935	0.000	-15.770	21.340	17.650	91.617%	-0.092
3	01:01:24	1.206	-5.348	0.000	-15.050	18.060	18.080	90.671%	-0.077
x		1.241	-5.012	0.000	-15.020	17.720	17.930	91.863%	-0.059
σ		0.055	0.305	0.000	0.764	3.807	0.239	1.332%	0.045
%RSD		4.399	6.082	0.000	5.088	21.490	1.335	1.450	77.380
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:58	-0.012	-0.106	0.395	-18.790	9.982	-0.007	0.020	0.007
2	01:00:41	0.011	-0.097	0.396	-22.650	7.738	-0.005	-0.002	0.021
3	01:01:24	0.018	-0.094	0.389	-23.940	5.019	-0.007	0.033	0.013
x		0.006	-0.099	0.393	-21.790	7.580	-0.006	0.017	0.013
σ		0.015	0.006	0.004	2.681	2.486	0.001	0.018	0.007
%RSD		272.400	6.243	0.962	12.300	32.790	21.900	104.500	55.090
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:58	0.032	1.999	2.171	-0.480	-1.447	-1.844	0.000	0.017
2	01:00:41	0.012	2.337	2.176	-0.341	-1.292	-1.587	0.000	0.021
3	01:01:24	0.015	2.031	2.188	-0.493	-1.367	-2.048	0.000	0.026
x		0.020	2.122	2.178	-0.438	-1.369	-1.826	0.000	0.021
σ		0.011	0.187	0.009	0.084	0.078	0.231	0.000	0.005
%RSD		54.340	8.802	0.400	19.240	5.661	12.660	0.000	21.840
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:58	80.007%	0.243	0.232	81.812%	-0.007	-0.003	-0.123	-0.082
2	01:00:41	81.427%	0.168	0.191	82.388%	-0.002	-0.001	-0.060	-0.061
3	01:01:24	81.285%	0.146	0.153	82.593%	-0.006	-0.000	-0.161	-0.116
x		80.906%	0.186	0.192	82.264%	-0.005	-0.002	-0.115	-0.086
σ		0.782%	0.051	0.039	0.405%	0.003	0.001	0.051	0.028
%RSD		0.967	27.250	20.400	0.492	53.210	94.740	44.400	31.920
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:58	83.709%	-0.093	0.015	0.010	-0.003	0.004	83.776%	85.805%
2	01:00:41	85.085%	-0.124	0.017	0.019	-0.004	0.015	85.914%	87.707%
3	01:01:24	86.156%	-0.203	0.018	0.007	-0.008	0.001	86.416%	88.761%
x		84.983%	-0.140	0.017	0.012	-0.005	0.007	85.369%	87.424%
σ		1.226%	0.057	0.001	0.006	0.003	0.007	1.402%	1.498%
%RSD		1.443	40.360	7.329	53.460	51.240	107.700	1.642	1.714
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:59:58	0.005	0.004	0.080	0.074	0.073	88.786%		
2	01:00:41	0.004	0.001	0.053	0.045	0.050	89.938%		
3	01:01:24	0.002	0.003	0.046	0.041	0.045	91.005%		
x		0.004	0.003	0.060	0.053	0.056	89.910%		
σ		0.001	0.002	0.018	0.018	0.015	1.110%		
%RSD		39.440	67.320	30.370	33.510	25.950	1.234		

180-17208-J-4-A@5 12/28/2012 1:03:37 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:20	44.605%	0.019	258.700	277.600	0.000	652000.000	83780.000	87620.000
2	01:05:03	44.694%	-0.010	258.500	279.900	0.000	637200.000	82460.000	86750.000
3	01:05:46	46.219%	0.003	264.800	284.900	0.000	637200.000	82740.000	86330.000
x		45.173%	0.004	260.700	280.800	0.000	642100.000	82990.000	86900.000
σ		0.907%	0.015	3.571	3.779	0.000	8548.000	697.200	657.800
%RSD		2.008	378.400	1.370	1.346	0.000	1.331	0.840	0.757

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:20	42.510	260.900	0.000	25510.000	28540.000	30250.000	58.308%	1.481
2	01:05:03	44.570	263.100	0.000	25780.000	29310.000	30630.000	58.861%	1.128
3	01:05:46	45.030	267.400	0.000	25990.000	29380.000	31180.000	60.616%	1.099
x		44.040	263.800	0.000	25760.000	29080.000	30690.000	59.262%	1.236
σ		1.343	3.330	0.000	239.200	467.600	470.900	1.205%	0.213
%RSD		3.050	1.262	0.000	0.929	1.608	1.534	2.033	17.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:20	-0.199	0.177	8.775	50.910	203.200	0.107	0.583	3.264
2	01:05:03	-0.023	0.173	8.838	49.770	203.100	0.109	0.658	3.452
3	01:05:46	-0.199	0.185	8.905	50.280	202.900	0.102	0.475	3.676
x		-0.140	0.178	8.840	50.320	203.000	0.106	0.572	3.464
σ		0.102	0.006	0.065	0.573	0.158	0.003	0.092	0.206
%RSD		72.360	3.482	0.737	1.139	0.078	3.069	16.050	5.946

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:20	0.507	1.971	1.667	1.817	-0.288	6.659	0.000	512.100
2	01:05:03	0.569	2.017	1.811	1.244	-0.132	5.605	0.000	519.800
3	01:05:46	0.615	2.091	2.049	1.429	-0.345	5.541	0.000	514.300
x		0.563	2.026	1.843	1.497	-0.255	5.935	0.000	515.400
σ		0.054	0.061	0.193	0.292	0.110	0.628	0.000	3.974
%RSD		9.636	2.987	10.490	19.520	43.300	10.580	0.000	0.771

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:20	55.128%	1.034	0.970	51.946%	-0.002	-0.007	0.104	0.044
2	01:05:03	56.647%	0.966	0.943	52.792%	-0.009	-0.007	-0.003	-0.002
3	01:05:46	59.473%	1.087	0.901	55.654%	0.001	-0.006	0.040	0.027
x		57.082%	1.029	0.938	53.464%	-0.003	-0.007	0.047	0.023
σ		2.205%	0.061	0.035	1.943%	0.005	0.001	0.054	0.023
%RSD		3.863	5.923	3.740	3.634	158.800	9.270	115.300	101.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:20	55.481%	0.864	0.059	0.068	6.782	6.532	66.200%	67.734%
2	01:05:03	57.730%	0.870	0.069	0.059	6.669	6.468	68.831%	70.851%
3	01:05:46	60.240%	0.777	0.060	0.061	6.557	6.581	70.805%	72.458%
x		57.817%	0.837	0.063	0.063	6.669	6.527	68.612%	70.348%
σ		2.381%	0.052	0.005	0.005	0.113	0.056	2.310%	2.402%
%RSD		4.118	6.228	8.625	7.430	1.690	0.865	3.367	3.415

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:20	-0.005	-0.002	0.170	0.113	0.134	64.432%
2	01:05:03	0.002	-0.003	0.105	0.109	0.107	66.898%
3	01:05:46	-0.003	-0.002	0.090	0.085	0.099	68.121%
x		-0.002	-0.002	0.122	0.102	0.113	66.484%
σ		0.004	0.001	0.043	0.015	0.018	1.879%
%RSD		169.900	35.350	35.190	14.870	16.270	2.827

180-17208-J-5-A@5 12/28/2012 1:07:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:42	46.517%	0.003	267.300	293.500	0.000	661800.000	84620.000	88480.000
2	01:09:25	47.454%	0.012	271.600	291.500	0.000	666800.000	85990.000	89180.000
3	01:10:08	47.747%	0.005	269.900	287.500	0.000	649400.000	84270.000	88430.000
x		47.239%	0.007	269.600	290.800	0.000	659300.000	84960.000	88690.000
σ		0.642%	0.005	2.177	3.023	0.000	8979.000	907.800	419.800
%RSD		1.360	72.900	0.807	1.039	0.000	1.362	1.069	0.473

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:42	33.940	249.700	0.000	26350.000	29870.000	31360.000	60.920%	1.125
2	01:09:25	35.430	256.500	0.000	26410.000	30150.000	31520.000	61.747%	1.066
3	01:10:08	33.890	253.200	0.000	26360.000	29650.000	31770.000	63.028%	0.991
x		34.420	253.100	0.000	26370.000	29890.000	31550.000	61.899%	1.061
σ		0.872	3.386	0.000	33.890	247.900	211.000	1.062%	0.067
%RSD		2.534	1.338	0.000	0.129	0.829	0.669	1.716	6.328

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:42	-0.146	0.172	7.311	32.550	190.200	0.079	0.554	3.620
2	01:09:25	-0.362	0.148	7.557	32.680	187.200	0.092	0.531	3.753
3	01:10:08	0.127	0.137	7.342	33.490	176.400	0.087	0.426	3.927
x		-0.127	0.152	7.403	32.910	184.600	0.086	0.504	3.767
σ		0.245	0.018	0.134	0.509	7.281	0.006	0.068	0.154
%RSD		192.400	11.690	1.813	1.545	3.944	7.526	13.520	4.092

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:42	0.451	2.057	1.707	1.058	-0.362	4.706	0.000	525.800
2	01:09:25	0.492	1.837	1.545	1.464	-0.477	5.018	0.000	529.500
3	01:10:08	0.574	1.795	1.189	1.460	0.165	5.667	0.000	524.900
x		0.506	1.896	1.480	1.327	-0.225	5.130	0.000	526.700
σ		0.062	0.141	0.265	0.233	0.342	0.491	0.000	2.403
%RSD		12.340	7.411	17.880	17.540	152.100	9.562	0.000	0.456

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:42	57.984%	0.934	0.995	53.568%	-0.009	-0.006	-0.019	-0.031
2	01:09:25	60.208%	0.923	0.897	55.916%	-0.002	-0.011	-0.053	-0.065
3	01:10:08	61.771%	0.874	0.936	57.293%	-0.005	-0.013	-0.062	-0.047
x		59.988%	0.910	0.943	55.592%	-0.005	-0.010	-0.044	-0.048
σ		1.903%	0.032	0.049	1.884%	0.004	0.004	0.023	0.017
%RSD		3.173	3.518	5.222	3.388	67.070	34.230	51.320	34.850

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:42	57.972%	0.382	0.059	0.037	6.604	6.682	68.029%	69.943%
2	01:09:25	60.790%	0.306	0.041	0.070	6.308	6.822	71.995%	73.276%
3	01:10:08	62.403%	0.330	0.046	0.053	6.717	6.847	73.355%	74.905%
x		60.388%	0.339	0.049	0.053	6.543	6.783	71.127%	72.708%
σ		2.243%	0.039	0.009	0.016	0.211	0.089	2.767%	2.529%
%RSD		3.714	11.490	19.280	30.080	3.224	1.315	3.891	3.478

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:42	-0.006	-0.006	0.098	0.103	0.099	64.867%
2	01:09:25	-0.008	-0.006	0.091	0.083	0.089	67.504%
3	01:10:08	-0.004	-0.004	0.105	0.082	0.089	69.814%
x		-0.006	-0.005	0.098	0.089	0.093	67.395%
σ		0.002	0.001	0.007	0.012	0.006	2.475%
%RSD		33.110	23.250	7.412	13.250	6.373	3.673

180-17208-J-6-A@5 12/28/2012 1:12:21 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:04	47.103%	0.002	272.700	296.800	0.000	674100.000	87330.000	92160.000
2	01:13:47	48.026%	0.002	270.100	287.000	0.000	662300.000	86920.000	91050.000
3	01:14:30	47.703%	0.002	277.200	301.500	0.000	675200.000	87580.000	92260.000
x		47.611%	0.002	273.400	295.100	0.000	670600.000	87280.000	91820.000
σ		0.468%	0.000	3.588	7.384	0.000	7137.000	332.400	672.100
%RSD		0.983	17.090	1.312	2.502	0.000	1.064	0.381	0.732

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:04	14.930	211.000	0.000	27120.000	29870.000	32460.000	62.309%	0.729
2	01:13:47	14.720	207.500	0.000	27160.000	30130.000	32110.000	63.250%	0.597
3	01:14:30	14.290	210.300	0.000	26900.000	30300.000	32420.000	64.387%	0.851
x		14.650	209.600	0.000	27060.000	30100.000	32330.000	63.315%	0.726
σ		0.327	1.856	0.000	138.100	215.500	190.600	1.041%	0.127
%RSD		2.233	0.886	0.000	0.510	0.716	0.589	1.644	17.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:04	-0.018	0.102	4.027	8.593	175.900	0.074	0.591	7.277
2	01:13:47	-0.185	0.110	3.870	8.090	161.200	0.061	0.460	7.587
3	01:14:30	-0.258	0.112	3.945	12.330	163.800	0.064	0.581	7.585
x		-0.153	0.108	3.947	9.672	166.900	0.066	0.544	7.483
σ		0.123	0.005	0.078	2.319	7.836	0.007	0.073	0.178
%RSD		80.270	4.979	1.985	23.970	4.694	10.620	13.410	2.382

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:04	4.299	4.052	4.104	1.803	-0.258	5.958	0.000	537.900
2	01:13:47	4.494	4.026	4.004	1.489	-0.263	5.783	0.000	533.700
3	01:14:30	4.369	4.375	3.818	1.407	-0.240	5.643	0.000	538.500
x		4.387	4.151	3.976	1.566	-0.254	5.795	0.000	536.700
σ		0.099	0.194	0.145	0.209	0.012	0.158	0.000	2.621
%RSD		2.256	4.684	3.651	13.360	4.803	2.719	0.000	0.488

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:04	59.131%	0.885	0.913	55.525%	-0.008	-0.003	0.036	-0.013
2	01:13:47	61.870%	0.975	0.974	57.268%	-0.012	-0.011	-0.031	-0.009
3	01:14:30	63.313%	0.951	0.910	58.535%	-0.009	-0.008	0.045	0.006
x		61.438%	0.937	0.932	57.109%	-0.010	-0.007	0.017	-0.005
σ		2.124%	0.047	0.036	1.511%	0.002	0.004	0.042	0.010
%RSD		3.457	4.994	3.841	2.646	23.390	50.790	248.700	188.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:04	59.847%	0.352	0.053	0.071	6.486	6.737	69.803%	71.720%
2	01:13:47	62.141%	0.402	0.053	0.050	6.964	6.580	72.955%	74.900%
3	01:14:30	63.884%	0.480	0.049	0.036	7.088	6.288	74.932%	76.841%
x		61.957%	0.411	0.052	0.053	6.846	6.535	72.563%	74.487%
σ		2.025%	0.064	0.003	0.018	0.318	0.228	2.587%	2.585%
%RSD		3.268	15.650	4.965	33.650	4.645	3.486	3.565	3.471

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:04	-0.005	-0.007	0.269	0.263	0.265	66.735%
2	01:13:47	-0.002	-0.002	0.257	0.254	0.251	68.782%
3	01:14:30	-0.006	-0.005	0.259	0.261	0.264	70.740%
x		-0.004	-0.005	0.262	0.260	0.260	68.753%
σ		0.002	0.002	0.006	0.005	0.008	2.003%
%RSD		46.580	46.910	2.407	1.827	3.089	2.913

180-17208-J-7-A@5 12/28/2012 1:16:43 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:26	47.587%	0.002	276.300	295.700	0.000	666300.000	86140.000	91180.000
2	01:18:09	49.075%	-0.002	271.900	289.300	0.000	654700.000	85630.000	89010.000
3	01:18:52	49.970%	0.017	271.300	288.900	0.000	639300.000	83000.000	87650.000
x		48.877%	0.005	273.200	291.300	0.000	653400.000	84920.000	89280.000
σ		1.204%	0.010	2.688	3.819	0.000	13520.000	1684.000	1781.000
%RSD		2.463	183.600	0.984	1.311	0.000	2.069	1.983	1.994

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:26	26.600	221.200	0.000	26730.000	29980.000	31960.000	63.645%	0.758
2	01:18:09	25.620	226.900	0.000	26560.000	29810.000	31480.000	65.114%	0.916
3	01:18:52	26.550	214.600	0.000	26160.000	29950.000	31680.000	66.731%	1.047
x		26.250	220.900	0.000	26480.000	29910.000	31710.000	65.164%	0.907
σ		0.549	6.152	0.000	288.500	93.090	239.300	1.543%	0.144
%RSD		2.092	2.785	0.000	1.089	0.311	0.755	2.369	15.910

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:26	-0.175	0.117	3.840	22.040	187.100	0.071	0.569	3.749
2	01:18:09	0.191	0.133	3.833	21.150	176.600	0.057	0.451	3.902
3	01:18:52	-0.481	0.122	3.803	22.700	177.800	0.086	0.543	3.833
x		-0.155	0.124	3.825	21.960	180.500	0.071	0.521	3.828
σ		0.336	0.008	0.020	0.778	5.726	0.015	0.062	0.076
%RSD		217.100	6.587	0.512	3.542	3.172	20.510	11.960	1.998

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:26	0.557	2.954	2.537	1.511	-0.217	5.170	0.000	530.700
2	01:18:09	0.555	2.874	2.634	1.166	-0.305	4.950	0.000	528.200
3	01:18:52	0.567	2.909	2.420	1.706	-0.104	6.150	0.000	528.800
x		0.560	2.912	2.530	1.461	-0.209	5.423	0.000	529.200
σ		0.006	0.040	0.107	0.273	0.101	0.639	0.000	1.296
%RSD		1.130	1.374	4.220	18.690	48.330	11.780	0.000	0.245

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:26	59.992%	0.791	0.868	56.041%	-0.004	-0.015	0.005	-0.002
2	01:18:09	62.261%	0.892	0.870	57.812%	-0.007	-0.007	-0.053	-0.037
3	01:18:52	64.190%	0.838	0.942	59.587%	0.001	-0.014	0.051	0.025
x		62.147%	0.840	0.893	57.813%	-0.003	-0.012	0.001	-0.004
σ		2.101%	0.051	0.042	1.773%	0.004	0.004	0.052	0.031
%RSD		3.381	6.028	4.688	3.066	121.100	34.340	5649.000	690.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:26	60.387%	0.213	0.041	0.033	6.579	6.573	70.646%	72.213%
2	01:18:09	62.642%	0.242	0.033	0.050	6.961	6.656	73.701%	75.050%
3	01:18:52	64.528%	0.275	0.031	0.064	6.698	6.540	75.681%	77.460%
x		62.519%	0.243	0.035	0.049	6.746	6.590	73.343%	74.908%
σ		2.073%	0.031	0.005	0.015	0.196	0.060	2.537%	2.626%
%RSD		3.316	12.730	14.070	31.440	2.899	0.913	3.459	3.506

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:26	0.000	-0.004	0.090	0.113	0.097	66.883%
2	01:18:09	-0.005	-0.005	0.089	0.092	0.088	69.030%
3	01:18:52	-0.004	-0.006	0.119	0.078	0.094	71.108%
x		-0.003	-0.005	0.099	0.094	0.093	69.007%
σ		0.003	0.001	0.017	0.018	0.005	2.113%
%RSD		100.300	29.370	17.140	19.010	4.900	3.062

LCS 180-53050/2-A 12/28/2012 1:21:03 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:46	45.899%	46.610	878.500	913.300	0.000	46130.000	46180.000	48620.000
2	01:22:29	44.310%	46.270	870.900	902.100	0.000	44710.000	44880.000	48250.000
3	01:23:12	43.488%	47.000	889.400	931.900	0.000	44650.000	45830.000	48400.000
x		44.566%	46.630	879.600	915.800	0.000	45160.000	45630.000	48420.000
σ		1.226%	0.367	9.284	15.030	0.000	841.300	673.200	187.100
%RSD		2.750	0.787	1.056	1.642	0.000	1.863	1.475	0.386

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:46	1957.000	9533.000	0.000	46640.000	47100.000	50230.000	57.109%	938.800
2	01:22:29	1931.000	9466.000	0.000	45730.000	46520.000	50410.000	54.796%	942.900
3	01:23:12	1933.000	9465.000	0.000	45380.000	46040.000	50010.000	53.032%	947.700
x		1940.000	9488.000	0.000	45920.000	46560.000	50210.000	54.979%	943.100
σ		14.170	38.910	0.000	653.000	530.000	202.500	2.045%	4.469
%RSD		0.730	0.410	0.000	1.422	1.138	0.403	3.719	0.474

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:46	480.500	191.300	519.100	1032.000	1226.000	452.800	439.900	223.600
2	01:22:29	472.100	185.300	518.700	1039.000	1214.000	453.800	450.000	223.400
3	01:23:12	481.400	188.000	517.900	1042.000	1212.000	454.800	444.700	222.100
x		478.000	188.200	518.600	1038.000	1217.000	453.800	444.900	223.100
σ		5.118	2.984	0.647	5.291	7.578	0.961	5.062	0.799
%RSD		1.071	1.586	0.125	0.510	0.623	0.212	1.138	0.358

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:46	223.700	457.300	455.100	33.260	8.040	8.998	0.000	953.900
2	01:22:29	223.800	461.100	458.400	33.870	7.688	10.010	0.000	953.200
3	01:23:12	222.100	458.500	458.700	33.130	7.931	9.641	0.000	955.400
x		223.200	459.000	457.400	33.420	7.886	9.551	0.000	954.100
σ		0.941	1.941	2.012	0.396	0.180	0.514	0.000	1.131
%RSD		0.422	0.423	0.440	1.186	2.280	5.386	0.000	0.118

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:46	57.002%	914.100	923.600	58.339%	45.110	45.470	45.950	42.870
2	01:22:29	55.521%	919.300	928.100	57.006%	45.040	45.790	45.350	42.240
3	01:23:12	55.313%	925.900	932.900	56.026%	45.410	45.510	46.000	42.240
x		55.945%	919.800	928.200	57.124%	45.190	45.590	45.770	42.450
σ		0.921%	5.914	4.625	1.161%	0.195	0.173	0.360	0.364
%RSD		1.646	0.643	0.498	2.032	0.431	0.379	0.786	0.859

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:46	61.416%	1863.000	444.500	442.800	1735.000	1729.000	73.369%	75.189%
2	01:22:29	60.735%	1861.000	445.000	444.000	1729.000	1736.000	72.902%	75.068%
3	01:23:12	60.466%	1857.000	442.600	437.200	1729.000	1737.000	72.045%	74.098%
x		60.872%	1860.000	444.000	441.400	1731.000	1734.000	72.772%	74.785%
σ		0.490%	2.981	1.271	3.634	3.181	4.580	0.672%	0.598%
%RSD		0.805	0.160	0.286	0.823	0.184	0.264	0.923	0.800

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:46	43.560	43.760	17.670	17.910	17.690	74.527%
2	01:22:29	44.100	44.090	18.110	17.700	17.820	74.571%
3	01:23:12	44.480	44.270	17.950	17.840	17.850	74.077%
x		44.050	44.040	17.910	17.810	17.790	74.392%
σ		0.460	0.257	0.225	0.105	0.088	0.273%
%RSD		1.044	0.584	1.254	0.587	0.493	0.367

LCSD 180-53050/3-A 12/28/2012 1:25:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:05	45.413%	47.480	897.600	920.500	0.000	45990.000	45580.000	48350.000
2	01:26:48	45.473%	46.220	886.500	925.400	0.000	43960.000	45070.000	47240.000
3	01:27:31	45.442%	45.960	888.100	915.300	0.000	44650.000	45210.000	47880.000
x		45.443%	46.550	890.700	920.400	0.000	44870.000	45280.000	47820.000
σ		0.030%	0.811	6.009	5.065	0.000	1031.000	262.000	556.700
%RSD		0.066	1.742	0.675	0.550	0.000	2.298	0.579	1.164

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:05	1924.000	9484.000	0.000	46000.000	46280.000	50090.000	55.757%	931.800
2	01:26:48	1921.000	9319.000	0.000	44660.000	46070.000	49930.000	55.730%	932.000
3	01:27:31	1930.000	9373.000	0.000	45180.000	46720.000	49770.000	55.314%	937.200
x		1925.000	9392.000	0.000	45280.000	46360.000	49930.000	55.600%	933.600
σ		4.671	84.130	0.000	677.600	334.100	160.600	0.248%	3.071
%RSD		0.243	0.896	0.000	1.496	0.721	0.322	0.447	0.329

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:05	475.100	188.200	513.800	1033.000	1226.000	452.400	446.800	228.300
2	01:26:48	474.600	186.600	509.100	1007.000	1190.000	444.900	438.100	220.200
3	01:27:31	474.900	187.600	506.300	1025.000	1187.000	446.300	437.300	221.900
x		474.900	187.500	509.700	1022.000	1201.000	447.900	440.700	223.500
σ		0.299	0.816	3.799	13.250	21.820	3.960	5.287	4.231
%RSD		0.063	0.435	0.745	1.297	1.817	0.884	1.199	1.893

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:05	224.800	454.000	453.700	32.780	7.504	8.916	0.000	957.300
2	01:26:48	221.500	453.600	455.300	33.200	7.649	8.751	0.000	953.000
3	01:27:31	221.800	453.400	453.300	33.430	7.576	9.698	0.000	948.600
x		222.700	453.600	454.100	33.140	7.576	9.122	0.000	953.000
σ		1.796	0.319	1.071	0.331	0.072	0.506	0.000	4.371
%RSD		0.806	0.070	0.236	0.998	0.952	5.545	0.000	0.459

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:05	54.760%	915.500	920.700	55.871%	44.720	45.220	45.220	42.490
2	01:26:48	54.405%	918.000	919.300	55.939%	44.510	45.750	46.210	43.160
3	01:27:31	55.260%	921.900	929.000	55.924%	45.060	45.580	46.090	42.440
x		54.808%	918.500	923.000	55.911%	44.760	45.520	45.840	42.700
σ		0.430%	3.210	5.235	0.036%	0.276	0.270	0.539	0.398
%RSD		0.784	0.349	0.567	0.064	0.616	0.592	1.176	0.933

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:05	58.530%	1850.000	441.900	439.500	1714.000	1726.000	69.213%	70.924%
2	01:26:48	58.819%	1851.000	446.700	442.500	1724.000	1737.000	70.582%	72.432%
3	01:27:31	59.364%	1855.000	443.100	441.900	1729.000	1729.000	70.997%	72.771%
x		58.904%	1852.000	443.900	441.300	1723.000	1731.000	70.264%	72.042%
σ		0.423%	2.453	2.462	1.592	7.641	5.772	0.933%	0.983%
%RSD		0.719	0.133	0.555	0.361	0.444	0.334	1.329	1.365

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:05	43.230	43.310	17.580	17.470	17.570	70.927%
2	01:26:48	43.500	43.570	17.890	17.490	17.670	72.231%
3	01:27:31	44.180	44.250	17.730	17.730	17.690	72.297%
x		43.640	43.710	17.730	17.560	17.640	71.818%
σ		0.491	0.485	0.154	0.145	0.063	0.772%
%RSD		1.125	1.109	0.870	0.824	0.357	1.076

MB 180-53050/1-A 12/28/2012 1:29:41 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:24	81.560%	0.008	11.500	12.420	0.000	12.310	3.716	3.513
2	01:31:07	83.688%	-0.002	9.474	9.377	0.000	26.840	7.214	7.664
3	01:31:50	81.610%	0.004	7.730	8.309	0.000	28.680	8.670	9.012
x		82.286%	0.003	9.567	10.040	0.000	22.610	6.533	6.730
σ		1.215%	0.005	1.886	2.135	0.000	8.970	2.546	2.866
%RSD		1.476	156.700	19.710	21.280	0.000	39.670	38.970	42.590

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:24	-0.341	-0.279	0.000	-15.570	2.338	3.157	82.336%	0.973
2	01:31:07	-0.362	-0.664	0.000	-11.460	10.620	7.861	80.858%	0.457
3	01:31:50	-0.428	-0.879	0.000	-11.980	10.730	8.657	80.544%	0.482
x		-0.377	-0.607	0.000	-13.000	7.894	6.558	81.246%	0.637
σ		0.046	0.304	0.000	2.240	4.812	2.972	0.957%	0.291
%RSD		12.140	50.050	0.000	17.220	60.960	45.320	1.177	45.590

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:24	0.140	0.002	0.005	-30.550	-5.012	0.026	0.033	0.055
2	01:31:07	0.099	-0.005	0.056	-31.620	-6.143	0.064	0.108	0.060
3	01:31:50	0.011	-0.023	0.041	-32.730	-7.096	0.061	0.091	0.053
x		0.083	-0.008	0.034	-31.630	-6.084	0.050	0.077	0.056
σ		0.066	0.013	0.026	1.091	1.043	0.021	0.040	0.004
%RSD		78.840	153.100	76.590	3.448	17.140	41.640	51.300	6.651

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:24	0.033	-0.238	-0.208	-0.330	-1.312	-1.328	0.000	0.088
2	01:31:07	0.052	-0.254	-0.288	-0.520	-1.421	-2.125	0.000	0.168
3	01:31:50	0.036	-0.378	-0.280	-0.272	-1.379	-1.354	0.000	0.188
x		0.041	-0.290	-0.259	-0.374	-1.371	-1.602	0.000	0.148
σ		0.010	0.076	0.044	0.130	0.055	0.453	0.000	0.053
%RSD		24.820	26.340	17.000	34.740	4.035	28.240	0.000	35.890

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:24	74.295%	2.528	2.507	78.475%	-0.008	-0.007	-0.141	-0.126
2	01:31:07	74.642%	1.599	1.624	79.584%	0.002	-0.006	-0.187	-0.110
3	01:31:50	74.649%	1.248	1.242	78.912%	-0.003	-0.001	-0.216	-0.156
x		74.529%	1.792	1.791	78.990%	-0.003	-0.005	-0.182	-0.131
σ		0.203%	0.661	0.649	0.559%	0.005	0.003	0.038	0.023
%RSD		0.272	36.920	36.240	0.707	181.100	67.570	20.700	17.860

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:24	77.782%	2.991	0.159	0.164	0.157	0.253	67.469%	69.283%
2	01:31:07	79.752%	1.700	0.144	0.161	0.275	0.300	70.403%	72.047%
3	01:31:50	79.145%	1.283	0.120	0.116	0.362	0.323	70.022%	71.398%
x		78.893%	1.992	0.141	0.147	0.265	0.292	69.298%	70.909%
σ		1.009%	0.890	0.020	0.027	0.103	0.036	1.595%	1.445%
%RSD		1.279	44.710	13.810	18.330	38.860	12.240	2.302	2.038

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:24	0.202	0.212	0.017	0.029	0.019	81.600%
2	01:31:07	0.156	0.160	0.014	0.007	0.012	83.607%
3	01:31:50	0.124	0.130	0.021	0.011	0.014	83.937%
x		0.161	0.167	0.017	0.015	0.015	83.048%
σ		0.039	0.042	0.003	0.011	0.004	1.265%
%RSD		24.500	24.930	18.770	74.430	25.890	1.523

180-15469-A-5-B 12/28/2012 1:34:01 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:44	50.069%	0.024	67.730	71.420	0.000	13510.000	17170.000	18140.000
2	01:35:27	48.677%	0.012	66.150	72.490	0.000	13680.000	17330.000	18450.000
3	01:36:10	47.933%	0.012	66.020	70.690	0.000	13520.000	17370.000	18280.000
x		48.893%	0.016	66.630	71.530	0.000	13570.000	17290.000	18290.000
σ		1.084%	0.007	0.952	0.908	0.000	95.900	105.200	157.900
%RSD		2.218	42.430	1.428	1.270	0.000	0.707	0.608	0.863

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:44	161.400	20320.000	0.000	6697.000	52960.000	59110.000	55.955%	9.766
2	01:35:27	164.100	20420.000	0.000	6700.000	54590.000	59490.000	55.706%	10.070
3	01:36:10	158.700	20300.000	0.000	6577.000	53730.000	59400.000	55.197%	9.378
x		161.400	20350.000	0.000	6658.000	53760.000	59330.000	55.619%	9.738
σ		2.684	65.520	0.000	70.120	817.100	201.300	0.386%	0.348
%RSD		1.663	0.322	0.000	1.053	1.520	0.339	0.695	3.572

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:44	0.265	2.092	258.100	1872.000	2039.000	0.487	0.452	1.147
2	01:35:27	0.053	2.125	258.700	1848.000	1991.000	0.458	0.455	1.107
3	01:36:10	0.977	2.041	256.500	1829.000	1992.000	0.430	0.400	1.100
x		0.432	2.086	257.700	1850.000	2007.000	0.458	0.436	1.118
σ		0.484	0.042	1.160	21.410	27.250	0.028	0.031	0.025
%RSD		112.200	2.021	0.450	1.158	1.357	6.206	7.062	2.259

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:44	1.223	16.950	17.110	6.080	-0.653	-0.191	0.000	474.500
2	01:35:27	1.161	17.930	17.450	6.316	-0.695	-0.283	0.000	473.700
3	01:36:10	1.202	17.240	17.800	6.011	-0.894	0.317	0.000	470.300
x		1.195	17.370	17.450	6.136	-0.747	-0.052	0.000	472.800
σ		0.032	0.503	0.344	0.160	0.129	0.323	0.000	2.212
%RSD		2.670	2.898	1.970	2.606	17.270	617.600	0.000	0.468

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:44	53.215%	4.036	4.150	55.577%	-0.007	0.005	-0.024	-0.029
2	01:35:27	53.508%	3.642	3.807	55.549%	0.004	0.003	0.029	0.003
3	01:36:10	53.682%	3.664	3.770	55.241%	0.004	0.003	-0.041	-0.047
x		53.469%	3.781	3.909	55.455%	-0.000	0.004	-0.012	-0.024
σ		0.236%	0.222	0.209	0.186%	0.006	0.001	0.036	0.025
%RSD		0.441	5.862	5.353	0.336	6476.000	28.060	305.300	103.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:44	55.877%	4.838	0.166	0.210	144.400	144.600	64.331%	66.392%
2	01:35:27	56.831%	3.939	0.165	0.177	143.000	145.400	66.750%	68.357%
3	01:36:10	57.040%	3.429	0.158	0.161	141.200	143.900	67.548%	69.009%
x		56.583%	4.069	0.163	0.183	142.900	144.600	66.209%	67.919%
σ		0.620%	0.713	0.005	0.025	1.614	0.743	1.675%	1.362%
%RSD		1.096	17.530	2.889	13.490	1.130	0.514	2.530	2.006

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:44	0.111	0.097	5.657	5.468	5.512	71.362%
2	01:35:27	0.094	0.093	5.624	5.576	5.549	73.532%
3	01:36:10	0.074	0.077	5.612	5.572	5.511	74.071%
x		0.093	0.089	5.631	5.538	5.524	72.988%
σ		0.018	0.010	0.023	0.061	0.022	1.434%
%RSD		19.550	11.620	0.413	1.108	0.399	1.964

180-15469-A-5-B SD@5 12/28/2012 1:38:21 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:04	51.854%	0.009	17.360	18.470	0.000	2586.000	3264.000	3432.000
2	01:39:47	50.813%	-0.016	16.950	18.110	0.000	2587.000	3268.000	3399.000
3	01:40:30	49.818%	0.001	17.150	17.700	0.000	2643.000	3307.000	3489.000
x		50.828%	-0.002	17.150	18.090	0.000	2605.000	3280.000	3440.000
σ		1.018%	0.013	0.203	0.386	0.000	32.880	23.590	45.570
%RSD		2.004	584.000	1.183	2.133	0.000	1.262	0.719	1.325

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:04	31.040	3924.000	0.000	1284.000	10170.000	10710.000	61.299%	2.127
2	01:39:47	32.260	3922.000	0.000	1273.000	10260.000	10780.000	61.498%	1.948
3	01:40:30	31.340	3981.000	0.000	1288.000	10200.000	10770.000	60.158%	1.634
x		31.550	3942.000	0.000	1282.000	10210.000	10750.000	60.985%	1.903
σ		0.637	33.630	0.000	8.058	45.840	36.360	0.723%	0.250
%RSD		2.021	0.853	0.000	0.629	0.449	0.338	1.186	13.130

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:04	0.318	0.326	49.000	329.400	391.600	0.094	0.101	0.305
2	01:39:47	0.025	0.309	48.330	321.600	380.000	0.076	0.083	0.299
3	01:40:30	0.113	0.346	48.580	328.100	388.700	0.059	0.122	0.303
x		0.152	0.327	48.640	326.300	386.700	0.076	0.102	0.303
σ		0.150	0.019	0.336	4.185	6.045	0.018	0.019	0.003
%RSD		98.760	5.657	0.691	1.282	1.563	23.260	19.000	0.973

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:04	0.220	3.496	3.785	1.227	-0.773	0.059	0.000	88.690
2	01:39:47	0.285	3.552	3.614	1.148	-0.894	-0.492	0.000	88.300
3	01:40:30	0.266	3.669	3.606	1.138	-1.038	-0.175	0.000	88.980
x		0.257	3.573	3.668	1.171	-0.902	-0.203	0.000	88.650
σ		0.033	0.088	0.101	0.049	0.133	0.277	0.000	0.341
%RSD		12.970	2.474	2.762	4.170	14.710	136.400	0.000	0.385

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:04	56.913%	0.913	0.830	61.481%	-0.008	-0.011	-0.020	-0.008
2	01:39:47	57.812%	0.705	0.800	61.032%	-0.003	-0.008	-0.052	-0.051
3	01:40:30	57.789%	0.800	0.754	61.654%	-0.002	-0.008	-0.037	-0.039
x		57.505%	0.806	0.795	61.389%	-0.004	-0.009	-0.036	-0.033
σ		0.513%	0.104	0.038	0.321%	0.003	0.001	0.016	0.023
%RSD		0.892	12.870	4.834	0.523	67.820	15.260	43.680	69.010

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:04	59.572%	0.287	0.027	0.044	26.720	27.590	67.146%	68.478%
2	01:39:47	60.705%	0.245	0.019	0.033	26.470	27.350	68.810%	70.030%
3	01:40:30	60.984%	0.201	0.021	0.038	26.680	26.790	69.554%	71.256%
x		60.421%	0.244	0.022	0.039	26.620	27.240	68.503%	69.921%
σ		0.748%	0.043	0.004	0.006	0.134	0.414	1.233%	1.392%
%RSD		1.238	17.660	16.890	14.450	0.502	1.520	1.800	1.991

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:04	0.026	0.024	1.038	1.071	1.013	79.037%
2	01:39:47	0.026	0.021	1.045	1.001	1.012	80.708%
3	01:40:30	0.018	0.022	1.010	1.046	1.000	81.971%
x		0.023	0.022	1.031	1.039	1.008	80.572%
σ		0.004	0.002	0.019	0.035	0.007	1.472%
%RSD		18.920	7.892	1.824	3.415	0.700	1.827

180-15469-A-10-B 12/28/2012 1:42:41 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:24	52.155%	0.006	27.460	28.900	0.000	7491.000	10760.000	11280.000
2	01:44:07	52.199%	0.031	25.790	27.920	0.000	7396.000	10750.000	11450.000
3	01:44:50	51.971%	0.028	26.500	28.500	0.000	7469.000	10830.000	11410.000
x		52.109%	0.021	26.580	28.440	0.000	7452.000	10780.000	11380.000
σ		0.121%	0.014	0.841	0.498	0.000	49.830	44.350	91.090
%RSD		0.232	64.470	3.163	1.749	0.000	0.669	0.411	0.800

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:24	158.400	1050.000	0.000	1669.000	32160.000	34970.000	60.473%	5.251
2	01:44:07	158.000	1053.000	0.000	1641.000	31910.000	35170.000	58.827%	5.252
3	01:44:50	158.900	1042.000	0.000	1664.000	32000.000	34780.000	59.663%	5.125
x		158.400	1048.000	0.000	1658.000	32020.000	34980.000	59.654%	5.209
σ		0.470	5.527	0.000	14.900	125.100	196.800	0.823%	0.073
%RSD		0.297	0.527	0.000	0.899	0.391	0.563	1.380	1.403

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:24	1.338	1.739	37.820	284.900	446.300	0.137	0.544	0.842
2	01:44:07	1.195	1.742	38.560	290.700	439.000	0.135	0.520	0.903
3	01:44:50	0.686	1.689	38.580	290.100	441.000	0.128	0.455	0.912
x		1.073	1.724	38.320	288.500	442.100	0.133	0.506	0.886
σ		0.343	0.030	0.434	3.193	3.767	0.005	0.046	0.038
%RSD		31.960	1.741	1.132	1.107	0.852	3.605	9.135	4.327

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:24	0.925	6.540	6.381	0.496	-0.874	-0.676	0.000	111.600
2	01:44:07	0.998	6.620	6.683	0.417	-0.827	-0.272	0.000	110.000
3	01:44:50	0.855	6.441	6.404	0.744	-0.793	0.720	0.000	111.500
x		0.926	6.533	6.489	0.552	-0.831	-0.076	0.000	111.000
σ		0.071	0.090	0.168	0.171	0.041	0.718	0.000	0.934
%RSD		7.683	1.373	2.588	30.930	4.885	947.100	0.000	0.842

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:24	55.494%	1.743	1.642	58.791%	-0.006	-0.003	-0.038	-0.021
2	01:44:07	57.192%	1.684	1.671	59.205%	0.001	-0.002	-0.030	-0.030
3	01:44:50	57.713%	1.673	1.695	59.180%	-0.003	-0.009	-0.028	-0.029
x		56.800%	1.700	1.669	59.059%	-0.003	-0.004	-0.032	-0.027
σ		1.161%	0.038	0.027	0.232%	0.004	0.004	0.005	0.005
%RSD		2.043	2.238	1.589	0.392	118.900	85.080	16.780	18.240

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:24	57.915%	1.729	0.283	0.265	19.780	20.250	66.843%	68.379%
2	01:44:07	59.252%	1.726	0.215	0.260	20.220	19.250	69.452%	71.082%
3	01:44:50	59.861%	1.668	0.249	0.267	20.240	19.820	69.814%	71.566%
x		59.010%	1.707	0.249	0.264	20.080	19.770	68.703%	70.342%
σ		0.995%	0.035	0.034	0.004	0.263	0.498	1.621%	1.718%
%RSD		1.687	2.027	13.620	1.419	1.309	2.518	2.360	2.442

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:24	0.051	0.039	0.698	0.632	0.631	74.925%
2	01:44:07	0.030	0.037	0.672	0.639	0.639	75.728%
3	01:44:50	0.039	0.033	0.639	0.637	0.629	76.705%
x		0.040	0.036	0.670	0.636	0.633	75.786%
σ		0.011	0.003	0.029	0.004	0.005	0.892%
%RSD		26.570	8.657	4.337	0.587	0.793	1.177

CCV 664806 12/28/2012 1:49:59 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	54.426%	100.300	94.280	98.610	0.000	47480.000	47520.000	49940.000
2	01:51:25	54.409%	97.910	92.560	94.600	0.000	46470.000	46680.000	48480.000
3	01:52:08	55.264%	98.140	95.560	97.090	0.000	46570.000	46600.000	48580.000
x		54.700%	98.771%	94.134%	96.764%	0.000	93.678%	93.865%	97.999%
σ		0.489%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.894	1.314	1.596	2.092	0.000	1.186	1.084	1.659
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	520.500	5127.000	0.000	47500.000	46320.000	50480.000	67.401%	96.250
2	01:51:25	507.200	5025.000	0.000	46410.000	46550.000	49840.000	69.570%	96.610
3	01:52:08	511.800	5052.000	0.000	46800.000	46330.000	49370.000	68.772%	96.250
x		102.636%	101.358%	0.000	93.812%	92.804%	99.796%	68.581%	96.368%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.097%	n/a
%RSD		1.321	1.038	0.000	1.180	0.278	1.123	1.600	0.216
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	95.120	94.890	491.000	25690.000	25130.000	92.220	93.790	94.190
2	01:51:25	93.300	93.310	480.100	25340.000	24540.000	90.970	91.340	92.420
3	01:52:08	94.430	93.430	481.400	25730.000	25250.000	91.700	91.260	92.970
x		94.284%	93.874%	96.832%	102.345%	99.888%	91.631%	92.130%	93.196%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.974	0.938	1.232	0.849	1.523	0.685	1.558	0.972
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	94.480	101.700	102.900	96.270	99.730	100.900	0.000	96.160
2	01:51:25	92.110	100.300	101.500	94.900	99.500	99.810	0.000	96.070
3	01:52:08	91.940	102.700	101.700	94.880	101.400	101.400	0.000	95.450
x		92.840%	101.546%	102.028%	95.353%	100.201%	100.698%	0.000	95.896%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.530	1.165	0.779	0.835	1.017	0.804	0.000	0.403
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	59.209%	93.920	92.470	59.386%	93.760	94.880	98.630	101.600
2	01:51:25	60.858%	95.740	95.560	60.151%	93.650	95.160	98.880	101.400
3	01:52:08	61.525%	95.930	96.570	61.198%	93.720	94.220	98.750	100.700
x		60.531%	95.198%	94.868%	60.245%	93.707%	94.754%	98.754%	101.239%
σ		1.192%	n/a	n/a	0.910%	n/a	n/a	n/a	n/a
%RSD		1.970	1.166	2.252	1.510	0.060	0.513	0.129	0.501
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	59.943%	95.440	97.760	97.670	93.740	94.110	62.603%	64.964%
2	01:51:25	61.699%	96.260	98.840	98.890	93.820	93.990	64.591%	67.202%
3	01:52:08	62.310%	97.320	98.400	98.240	92.930	94.510	65.603%	68.800%
x		61.317%	96.340%	98.334%	98.263%	93.496%	94.202%	64.266%	66.989%
σ		1.229%	n/a	n/a	n/a	n/a	n/a	1.526%	1.927%
%RSD		2.004	0.978	0.549	0.622	0.525	0.289	2.375	2.876
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:50:42	91.540	91.380	91.990	91.400	91.230	68.144%		
2	01:51:25	92.860	92.630	92.940	92.530	92.550	69.908%		
3	01:52:08	92.710	92.220	92.950	92.160	91.980	70.808%		
x		92.373%	92.075%	92.629%	92.029%	91.920%	69.620%		
σ		n/a	n/a	n/a	n/a	n/a	1.355%		
%RSD		0.782	0.692	0.598	0.626	0.723	1.946		

CCB10 12/28/2012 1:57:17 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:00	92.548%	0.002	1.437	1.681	0.000	6.921	2.249	2.564
2	01:58:43	90.989%	-0.016	1.493	1.655	0.000	7.098	2.787	2.785
3	01:59:26	92.359%	-0.007	1.548	1.491	0.000	6.916	3.411	2.839
x		91.965%	-0.007	1.493	1.609	0.000	6.978	2.816	2.730
σ		0.851%	0.009	0.055	0.103	0.000	0.104	0.582	0.145
%RSD		0.925	123.400	3.709	6.398	0.000	1.485	20.650	5.332

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:00	1.189	-5.215	0.000	-15.770	17.790	19.770	99.074%	-0.030
2	01:58:43	1.100	-4.842	0.000	-16.280	7.847	18.900	99.244%	-0.036
3	01:59:26	1.163	-5.239	0.000	-16.940	21.070	16.870	97.369%	-0.072
x		1.150	-5.099	0.000	-16.330	15.570	18.510	98.562%	-0.046
σ		0.046	0.222	0.000	0.585	6.887	1.488	1.037%	0.023
%RSD		3.987	4.362	0.000	3.583	44.230	8.040	1.052	49.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:00	0.019	-0.102	0.280	-18.920	9.102	-0.001	0.013	-0.015
2	01:58:43	-0.001	-0.087	0.299	-23.200	7.014	-0.004	0.021	-0.016
3	01:59:26	-0.035	-0.098	0.278	-24.350	4.395	0.001	0.017	-0.018
x		-0.005	-0.096	0.286	-22.160	6.837	-0.002	0.017	-0.016
σ		0.027	0.008	0.012	2.862	2.358	0.002	0.004	0.001
%RSD		497.500	8.021	4.067	12.920	34.490	143.100	21.830	8.448

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:00	0.006	2.150	1.878	-0.425	-1.236	-1.832	0.000	0.035
2	01:58:43	0.001	2.372	1.896	-0.572	-1.438	-2.342	0.000	0.022
3	01:59:26	0.001	2.017	2.316	-0.572	-1.385	-2.341	0.000	0.023
x		0.003	2.180	2.030	-0.523	-1.353	-2.172	0.000	0.027
σ		0.003	0.180	0.248	0.085	0.104	0.294	0.000	0.007
%RSD		123.600	8.239	12.210	16.240	7.709	13.540	0.000	26.930

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:00	80.017%	0.189	0.228	87.231%	-0.000	-0.004	-0.150	-0.120
2	01:58:43	80.889%	0.234	0.218	87.072%	0.001	-0.002	-0.161	-0.093
3	01:59:26	81.980%	0.171	0.195	87.685%	-0.000	-0.008	-0.165	-0.112
x		80.962%	0.198	0.214	87.329%	0.000	-0.005	-0.159	-0.108
σ		0.983%	0.033	0.016	0.318%	0.001	0.003	0.007	0.014
%RSD		1.215	16.520	7.713	0.364	828.200	66.380	4.684	12.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:00	82.248%	-0.143	0.007	0.017	0.033	0.027	84.601%	85.672%
2	01:58:43	83.241%	-0.194	0.009	0.017	-0.003	0.022	86.060%	87.704%
3	01:59:26	84.497%	-0.160	0.006	0.004	0.000	0.017	86.953%	88.732%
x		83.329%	-0.166	0.007	0.013	0.010	0.022	85.871%	87.369%
σ		1.127%	0.026	0.001	0.007	0.020	0.005	1.187%	1.558%
%RSD		1.353	15.660	18.640	57.510	204.400	23.260	1.383	1.783

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:00	0.009	0.005	0.053	0.050	0.062	91.168%
2	01:58:43	0.009	0.005	0.047	0.043	0.048	92.374%
3	01:59:26	0.006	0.006	0.036	0.042	0.039	93.284%
x		0.008	0.005	0.045	0.045	0.050	92.275%
σ		0.002	0.000	0.009	0.004	0.012	1.062%
%RSD		23.430	3.726	19.690	9.900	23.600	1.151

180-15469-A-15-B 12/28/2012 2:01:39 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:22	53.949%	0.004	24.140	26.200	0.000	7596.000	10830.000	11410.000
2	02:03:05	54.550%	0.010	24.690	25.500	0.000	7537.000	10780.000	11330.000
3	02:03:48	57.677%	0.005	25.610	25.210	0.000	7369.000	10540.000	11250.000
x		55.392%	0.006	24.810	25.640	0.000	7501.000	10720.000	11330.000
σ		2.001%	0.003	0.745	0.507	0.000	117.900	150.700	83.160
%RSD		3.613	48.010	3.003	1.979	0.000	1.572	1.406	0.734

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:22	73.440	837.700	0.000	1697.000	31590.000	34480.000	60.553%	1.768
2	02:03:05	73.430	842.300	0.000	1695.000	31970.000	34500.000	60.075%	2.089
3	02:03:48	71.000	830.100	0.000	1695.000	31310.000	34070.000	61.419%	1.938
x		72.620	836.700	0.000	1696.000	31620.000	34350.000	60.682%	1.932
σ		1.406	6.166	0.000	1.491	327.400	239.700	0.681%	0.161
%RSD		1.937	0.737	0.000	0.088	1.035	0.698	1.122	8.318

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:22	0.895	0.748	12.250	94.000	247.900	0.065	0.454	1.113
2	02:03:05	0.688	0.766	12.480	94.460	248.900	0.078	0.387	1.083
3	02:03:48	1.255	0.743	12.310	90.250	238.700	0.073	0.435	0.999
x		0.946	0.753	12.350	92.900	245.200	0.072	0.425	1.065
σ		0.287	0.012	0.120	2.311	5.638	0.006	0.034	0.059
%RSD		30.340	1.626	0.970	2.488	2.299	8.552	8.103	5.559

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:22	1.133	3.944	3.684	0.551	-0.628	0.061	0.000	110.600
2	02:03:05	1.109	3.874	4.027	0.744	-0.675	-0.761	0.000	112.100
3	02:03:48	1.166	3.982	3.987	0.569	-0.577	1.237	0.000	110.600
x		1.136	3.934	3.900	0.621	-0.626	0.179	0.000	111.100
σ		0.029	0.055	0.188	0.106	0.049	1.004	0.000	0.866
%RSD		2.527	1.393	4.813	17.120	7.804	560.900	0.000	0.779

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:22	55.994%	1.853	1.853	58.250%	-0.008	-0.007	-0.046	-0.034
2	02:03:05	57.252%	1.743	1.819	59.756%	-0.007	-0.007	-0.123	-0.073
3	02:03:48	58.779%	1.773	1.741	60.617%	0.001	-0.004	-0.004	0.008
x		57.341%	1.790	1.804	59.541%	-0.004	-0.006	-0.057	-0.033
σ		1.395%	0.057	0.057	1.198%	0.005	0.002	0.060	0.041
%RSD		2.432	3.185	3.181	2.012	109.400	28.760	104.800	123.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:22	57.182%	1.915	0.243	0.268	18.580	19.000	65.735%	67.607%
2	02:03:05	58.686%	1.562	0.228	0.280	20.120	19.440	67.806%	69.990%
3	02:03:48	60.205%	1.422	0.253	0.276	19.260	19.120	69.283%	70.984%
x		58.691%	1.633	0.241	0.274	19.320	19.190	67.608%	69.527%
σ		1.512%	0.254	0.013	0.006	0.772	0.226	1.782%	1.735%
%RSD		2.575	15.540	5.242	2.256	3.995	1.178	2.636	2.496

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:22	0.013	0.018	0.417	0.378	0.401	73.932%
2	02:03:05	0.021	0.017	0.425	0.429	0.402	75.681%
3	02:03:48	0.012	0.024	0.407	0.389	0.406	76.751%
x		0.015	0.020	0.416	0.399	0.403	75.455%
σ		0.005	0.004	0.009	0.027	0.003	1.423%
%RSD		30.520	20.690	2.202	6.728	0.669	1.886

180-15469-A-20-B 12/28/2012 2:06:00 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:06:43	54.310%	0.028	61.730	66.410	0.000	13550.000	17270.000	18530.000
2	02:07:26	54.588%	0.010	61.670	64.390	0.000	13660.000	17430.000	18180.000
3	02:08:09	54.174%	0.022	61.590	64.840	0.000	13050.000	16990.000	18150.000
x		54.357%	0.020	61.660	65.210	0.000	13420.000	17230.000	18290.000
σ		0.211%	0.009	0.071	1.062	0.000	324.600	226.100	209.800
%RSD		0.388	46.230	0.115	1.628	0.000	2.419	1.312	1.147

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:06:43	127.100	20940.000	0.000	6679.000	54210.000	59800.000	60.634%	7.413
2	02:07:26	124.900	20350.000	0.000	6719.000	53820.000	59240.000	60.686%	7.716
3	02:08:09	123.100	20190.000	0.000	6650.000	53020.000	58310.000	60.136%	7.798
x		125.100	20490.000	0.000	6683.000	53690.000	59110.000	60.486%	7.642
σ		2.006	393.600	0.000	34.810	607.300	753.300	0.303%	0.202
%RSD		1.604	1.921	0.000	0.521	1.131	1.274	0.502	2.648

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:06:43	-0.863	1.675	246.700	1367.000	1541.000	0.433	0.269	0.855
2	02:07:26	-0.658	1.684	246.000	1351.000	1523.000	0.441	0.211	0.889
3	02:08:09	0.757	1.640	241.600	1339.000	1516.000	0.431	0.273	0.847
x		-0.255	1.667	244.800	1352.000	1527.000	0.435	0.251	0.864
σ		0.882	0.023	2.786	14.480	12.920	0.005	0.035	0.023
%RSD		346.400	1.404	1.138	1.071	0.847	1.113	13.890	2.633

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:06:43	0.810	13.720	14.310	6.746	-0.653	0.017	0.000	473.800
2	02:07:26	0.839	13.500	14.430	6.716	-0.700	0.345	0.000	475.700
3	02:08:09	0.844	14.070	14.580	6.785	-0.715	0.884	0.000	473.200
x		0.831	13.760	14.440	6.749	-0.689	0.415	0.000	474.200
σ		0.018	0.291	0.134	0.034	0.033	0.438	0.000	1.306
%RSD		2.165	2.113	0.930	0.510	4.730	105.500	0.000	0.275

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:06:43	55.228%	3.041	3.116	57.335%	0.001	0.006	-0.004	-0.032
2	02:07:26	56.332%	3.125	3.129	58.109%	-0.001	0.000	-0.029	-0.033
3	02:08:09	55.930%	3.139	3.168	57.647%	-0.004	-0.002	-0.015	-0.017
x		55.830%	3.102	3.138	57.697%	-0.001	0.001	-0.016	-0.028
σ		0.559%	0.053	0.027	0.390%	0.003	0.004	0.013	0.009
%RSD		1.001	1.707	0.860	0.675	208.400	277.600	77.660	31.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:06:43	56.785%	1.437	0.109	0.129	146.100	146.300	64.700%	66.674%
2	02:07:26	58.616%	1.443	0.112	0.124	145.700	145.200	67.104%	68.833%
3	02:08:09	58.164%	1.493	0.089	0.094	145.600	145.900	67.463%	68.960%
x		57.855%	1.458	0.103	0.116	145.800	145.800	66.422%	68.156%
σ		0.954%	0.030	0.012	0.019	0.282	0.555	1.502%	1.284%
%RSD		1.649	2.087	11.840	16.030	0.193	0.381	2.262	1.885

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:06:43	0.008	0.011	4.766	4.566	4.644	71.090%
2	02:07:26	0.014	0.016	4.733	4.627	4.594	73.398%
3	02:08:09	0.013	0.009	4.693	4.777	4.675	74.232%
x		0.011	0.012	4.731	4.657	4.638	72.907%
σ		0.003	0.004	0.037	0.109	0.041	1.628%
%RSD		29.020	30.010	0.773	2.335	0.875	2.232

180-15469-A-25-B 12/28/2012 2:10:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:05	56.649%	0.014	24.060	24.940	0.000	7451.000	10630.000	11440.000
2	02:11:48	57.580%	0.019	25.160	25.460	0.000	7407.000	10580.000	11380.000
3	02:12:31	57.780%	-0.001	23.650	25.760	0.000	7298.000	10710.000	11520.000
x		57.336%	0.011	24.290	25.390	0.000	7385.000	10640.000	11450.000
σ		0.604%	0.010	0.781	0.412	0.000	78.770	67.210	67.360
%RSD		1.053	95.980	3.218	1.622	0.000	1.067	0.632	0.589

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:05	164.900	1074.000	0.000	1648.000	32420.000	35350.000	62.480%	4.780
2	02:11:48	160.800	1072.000	0.000	1684.000	32920.000	35590.000	61.528%	5.090
3	02:12:31	161.100	1069.000	0.000	1667.000	32230.000	35230.000	63.184%	4.433
x		162.300	1072.000	0.000	1667.000	32530.000	35390.000	62.397%	4.768
σ		2.259	2.485	0.000	18.030	356.500	184.400	0.831%	0.328
%RSD		1.392	0.232	0.000	1.082	1.096	0.521	1.332	6.888

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:05	0.539	1.805	37.530	293.100	449.400	0.102	0.416	0.903
2	02:11:48	0.963	1.877	38.410	298.700	444.400	0.136	0.381	0.928
3	02:12:31	1.896	1.799	37.590	289.400	434.300	0.133	0.368	0.888
x		1.133	1.827	37.850	293.700	442.700	0.123	0.388	0.906
σ		0.694	0.044	0.490	4.703	7.697	0.019	0.024	0.020
%RSD		61.280	2.389	1.295	1.601	1.739	15.380	6.293	2.255

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:05	0.992	4.271	4.194	0.023	-0.678	-0.145	0.000	109.800
2	02:11:48	0.964	4.253	4.330	0.631	-0.745	0.340	0.000	111.300
3	02:12:31	0.981	4.119	4.488	0.382	-0.755	0.002	0.000	109.900
x		0.979	4.214	4.337	0.345	-0.726	0.065	0.000	110.300
σ		0.014	0.083	0.147	0.306	0.042	0.249	0.000	0.836
%RSD		1.437	1.961	3.394	88.660	5.794	380.700	0.000	0.758

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:05	57.214%	1.634	1.568	59.943%	-0.006	-0.004	0.011	0.010
2	02:11:48	58.139%	1.554	1.587	60.503%	-0.001	-0.004	-0.052	-0.022
3	02:12:31	59.613%	1.547	1.492	61.422%	-0.007	-0.002	-0.057	-0.031
x		58.322%	1.578	1.549	60.623%	-0.005	-0.003	-0.033	-0.014
σ		1.210%	0.049	0.050	0.747%	0.003	0.001	0.038	0.021
%RSD		2.075	3.082	3.240	1.232	64.650	23.290	114.700	147.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:05	58.798%	1.009	0.224	0.241	19.700	19.580	67.958%	69.020%
2	02:11:48	60.313%	1.167	0.277	0.218	19.950	20.100	69.228%	70.530%
3	02:12:31	60.772%	1.036	0.262	0.255	20.060	20.000	69.944%	71.721%
x		59.961%	1.071	0.254	0.238	19.910	19.900	69.043%	70.424%
σ		1.033%	0.085	0.027	0.018	0.184	0.275	1.006%	1.354%
%RSD		1.723	7.908	10.770	7.763	0.926	1.383	1.457	1.923

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:05	0.011	0.017	0.612	0.615	0.607	74.189%
2	02:11:48	0.009	0.017	0.678	0.658	0.635	76.216%
3	02:12:31	0.014	0.010	0.665	0.603	0.613	76.438%
x		0.012	0.015	0.651	0.625	0.619	75.614%
σ		0.003	0.004	0.035	0.029	0.015	1.240%
%RSD		22.730	29.900	5.386	4.626	2.373	1.639

180-15469-A-30-B 12/28/2012 2:14:44 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:27	57.976%	0.010	23.080	24.540	0.000	7411.000	10540.000	11300.000
2	02:16:10	58.469%	-0.007	23.600	25.600	0.000	7398.000	10610.000	11260.000
3	02:16:53	58.147%	-0.012	22.580	25.050	0.000	7124.000	10190.000	10920.000
x		58.197%	-0.003	23.090	25.060	0.000	7311.000	10450.000	11160.000
σ		0.250%	0.012	0.505	0.528	0.000	162.600	222.700	209.600
%RSD		0.430	406.100	2.190	2.108	0.000	2.223	2.132	1.878

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:27	72.560	829.000	0.000	1632.000	30410.000	33640.000	63.982%	1.917
2	02:16:10	71.290	825.200	0.000	1618.000	30910.000	33050.000	62.840%	1.912
3	02:16:53	70.260	796.300	0.000	1566.000	29840.000	32090.000	64.629%	1.731
x		71.370	816.800	0.000	1605.000	30380.000	32930.000	63.817%	1.853
σ		1.149	17.870	0.000	34.900	536.000	783.200	0.906%	0.106
%RSD		1.611	2.188	0.000	2.173	1.764	2.378	1.419	5.725

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:27	1.220	0.841	12.010	83.360	236.100	0.072	0.256	1.153
2	02:16:10	1.212	0.828	12.060	81.600	228.100	0.064	0.208	1.173
3	02:16:53	0.155	0.786	11.740	80.520	222.800	0.064	0.274	1.078
x		0.862	0.818	11.940	81.830	229.000	0.067	0.246	1.135
σ		0.612	0.028	0.172	1.433	6.698	0.005	0.034	0.050
%RSD		71.000	3.475	1.440	1.751	2.925	7.154	13.940	4.392

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:27	1.173	4.233	4.371	0.421	-0.795	0.032	0.000	107.900
2	02:16:10	1.148	4.146	4.111	-0.207	-0.675	-0.075	0.000	108.600
3	02:16:53	1.171	4.048	3.848	0.117	-0.742	-0.523	0.000	105.000
x		1.164	4.142	4.110	0.110	-0.737	-0.189	0.000	107.200
σ		0.014	0.093	0.262	0.314	0.060	0.294	0.000	1.873
%RSD		1.205	2.245	6.362	284.900	8.179	156.100	0.000	1.748

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:27	57.750%	1.523	1.568	60.235%	-0.000	0.005	-0.024	-0.030
2	02:16:10	59.145%	1.618	1.558	61.477%	0.005	0.006	-0.087	-0.062
3	02:16:53	59.791%	1.493	1.575	61.876%	0.005	-0.004	-0.027	-0.024
x		58.896%	1.545	1.567	61.196%	0.003	0.002	-0.046	-0.039
σ		1.043%	0.065	0.008	0.856%	0.003	0.006	0.036	0.020
%RSD		1.771	4.206	0.540	1.399	94.640	270.600	77.600	52.870

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:27	59.153%	1.032	0.208	0.240	18.370	18.390	67.336%	68.489%
2	02:16:10	60.551%	1.102	0.234	0.261	18.210	18.490	69.724%	70.937%
3	02:16:53	61.692%	0.980	0.233	0.216	18.550	18.030	70.827%	72.370%
x		60.465%	1.038	0.225	0.239	18.380	18.300	69.295%	70.599%
σ		1.272%	0.061	0.014	0.022	0.169	0.242	1.785%	1.962%
%RSD		2.103	5.865	6.413	9.378	0.917	1.324	2.575	2.779

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:15:27	0.013	0.009	0.437	0.418	0.392	73.490%
2	02:16:10	0.013	0.009	0.379	0.369	0.385	75.498%
3	02:16:53	0.007	0.007	0.370	0.328	0.369	77.520%
x		0.011	0.008	0.395	0.372	0.382	75.502%
σ		0.004	0.001	0.036	0.045	0.012	2.015%
%RSD		34.210	13.530	9.145	12.120	3.164	2.669

MB 180-53720/1-A 12/28/2012 2:22:46 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:29	58.913%	0.007	1.819	1.701	0.000	0.162	0.236	0.040
2	02:24:12	59.057%	-0.004	1.562	1.660	0.000	0.541	0.886	0.671
3	02:24:55	57.296%	-0.015	1.780	1.588	0.000	0.763	0.969	0.965
x		58.422%	-0.004	1.720	1.650	0.000	0.489	0.697	0.559
σ		0.978%	0.011	0.138	0.057	0.000	0.304	0.401	0.472
%RSD		1.674	263.300	8.039	3.463	0.000	62.160	57.560	84.540

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:29	-0.487	2.146	0.000	-8.769	-1.007	0.973	66.508%	0.012
2	02:24:12	-0.446	1.671	0.000	-9.487	-0.139	2.431	66.214%	0.013
3	02:24:55	-0.431	2.031	0.000	-8.978	3.501	5.359	64.730%	0.008
x		-0.455	1.949	0.000	-9.078	0.785	2.921	65.817%	0.011
σ		0.029	0.248	0.000	0.369	2.391	2.234	0.953%	0.003
%RSD		6.367	12.720	0.000	4.069	304.600	76.470	1.448	25.090

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:29	-0.318	0.000	-0.033	-18.790	-3.363	-0.011	0.048	-0.007
2	02:24:12	-0.014	-0.011	-0.036	-21.640	-4.282	-0.013	0.017	-0.000
3	02:24:55	-0.150	-0.031	-0.028	-20.960	-4.633	-0.009	0.018	0.017
x		-0.161	-0.014	-0.032	-20.460	-4.093	-0.011	0.028	0.003
σ		0.152	0.016	0.004	1.487	0.656	0.002	0.018	0.012
%RSD		94.620	113.200	11.980	7.266	16.030	19.420	64.040	360.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:29	0.014	-0.130	-0.382	-0.132	-0.950	-0.489	0.000	0.002
2	02:24:12	-0.004	-0.252	-0.492	0.082	-0.858	0.316	0.000	0.015
3	02:24:55	0.025	-0.234	-0.307	-0.167	-1.061	-0.915	0.000	0.017
x		0.011	-0.205	-0.394	-0.072	-0.956	-0.363	0.000	0.011
σ		0.015	0.066	0.093	0.135	0.102	0.625	0.000	0.008
%RSD		128.000	31.960	23.630	185.800	10.650	172.400	0.000	69.420

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:29	57.804%	0.046	0.066	63.283%	-0.007	-0.008	0.047	0.035
2	02:24:12	58.931%	0.061	0.046	63.208%	-0.002	-0.013	-0.081	-0.058
3	02:24:55	58.275%	0.037	0.027	62.771%	-0.007	-0.009	-0.082	-0.067
x		58.337%	0.048	0.046	63.088%	-0.005	-0.010	-0.039	-0.030
σ		0.566%	0.012	0.020	0.276%	0.003	0.003	0.074	0.056
%RSD		0.971	25.760	42.270	0.438	58.480	26.290	191.500	188.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:29	58.845%	-0.105	-0.011	0.005	-0.009	0.001	64.694%	65.797%
2	02:24:12	59.964%	-0.122	-0.004	-0.013	-0.015	0.000	65.584%	67.061%
3	02:24:55	59.552%	-0.117	-0.001	0.005	0.033	-0.009	66.457%	67.626%
x		59.454%	-0.115	-0.006	-0.001	0.003	-0.003	65.578%	66.828%
σ		0.566%	0.009	0.005	0.011	0.026	0.005	0.882%	0.936%
%RSD		0.952	7.857	90.470	1134.000	932.200	206.900	1.344	1.401

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:29	-0.002	-0.007	0.035	0.040	0.032	78.095%
2	02:24:12	-0.001	-0.002	0.029	0.023	0.032	79.069%
3	02:24:55	0.000	-0.006	0.027	0.016	0.018	79.042%
x		-0.001	-0.005	0.030	0.026	0.027	78.735%
σ		0.001	0.003	0.004	0.012	0.008	0.555%
%RSD		135.100	55.810	13.760	46.290	30.200	0.704

LCS 180-53720/2-A 12/28/2012 2:27:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:51	51.731%	44.920	850.800	899.300	0.000	45530.000	45980.000	48720.000
2	02:28:34	50.876%	44.580	870.800	910.400	0.000	44240.000	46160.000	49040.000
3	02:29:17	52.384%	44.320	844.400	884.600	0.000	43550.000	45040.000	47820.000
x		51.663%	44.610	855.300	898.100	0.000	44440.000	45730.000	48530.000
σ		0.756%	0.296	13.780	12.900	0.000	1001.000	601.400	631.900
%RSD		1.464	0.665	1.611	1.437	0.000	2.253	1.315	1.302

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:51	1955.000	9388.000	0.000	45910.000	47000.000	51240.000	58.233%	954.800
2	02:28:34	1974.000	9488.000	0.000	45640.000	45890.000	49670.000	57.369%	951.300
3	02:29:17	1933.000	9369.000	0.000	45790.000	47660.000	50200.000	57.542%	959.600
x		1954.000	9415.000	0.000	45780.000	46850.000	50370.000	57.715%	955.200
σ		20.250	63.810	0.000	133.300	893.700	801.200	0.457%	4.135
%RSD		1.036	0.678	0.000	0.291	1.908	1.591	0.792	0.433

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:51	486.600	189.400	517.900	1050.000	1222.000	461.100	454.300	228.300
2	02:28:34	486.900	191.200	521.000	1047.000	1208.000	458.700	448.800	224.200
3	02:29:17	479.900	192.400	524.500	1041.000	1199.000	459.700	452.300	224.800
x		484.500	191.000	521.100	1046.000	1210.000	459.800	451.800	225.800
σ		3.994	1.536	3.318	4.367	11.510	1.188	2.794	2.252
%RSD		0.824	0.804	0.637	0.417	0.952	0.258	0.619	0.998

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:51	227.100	445.700	448.500	32.770	7.646	8.229	0.000	987.100
2	02:28:34	227.500	441.700	443.600	33.010	7.648	8.512	0.000	972.500
3	02:29:17	223.800	444.300	449.800	33.780	7.562	8.985	0.000	982.300
x		226.200	443.900	447.300	33.180	7.619	8.575	0.000	980.600
σ		2.051	2.046	3.287	0.526	0.049	0.382	0.000	7.417
%RSD		0.907	0.461	0.735	1.584	0.648	4.454	0.000	0.756

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:51	52.410%	946.100	938.800	55.410%	45.500	45.410	45.040	42.490
2	02:28:34	53.728%	945.400	942.200	56.107%	45.100	45.880	44.230	41.630
3	02:29:17	54.260%	945.700	940.800	57.186%	44.110	44.890	44.040	41.780
x		53.466%	945.700	940.600	56.235%	44.900	45.390	44.440	41.960
σ		0.953%	0.333	1.681	0.895%	0.717	0.494	0.531	0.459
%RSD		1.782	0.035	0.179	1.591	1.597	1.089	1.195	1.093

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:51	56.210%	1864.000	435.700	435.400	1732.000	1740.000	65.876%	67.709%
2	02:28:34	57.894%	1870.000	438.000	436.900	1724.000	1728.000	67.922%	69.644%
3	02:29:17	59.033%	1852.000	434.500	432.300	1716.000	1727.000	69.718%	71.094%
x		57.712%	1862.000	436.100	434.900	1724.000	1732.000	67.839%	69.482%
σ		1.420%	9.077	1.767	2.372	8.076	7.246	1.923%	1.698%
%RSD		2.461	0.487	0.405	0.545	0.469	0.418	2.834	2.444

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:51	43.000	43.150	17.670	17.630	17.580	66.969%
2	02:28:34	43.920	43.700	17.630	17.790	17.600	68.707%
3	02:29:17	43.660	43.820	17.700	17.760	17.630	69.848%
x		43.530	43.550	17.670	17.730	17.600	68.508%
σ		0.472	0.359	0.034	0.086	0.026	1.449%
%RSD		1.085	0.825	0.193	0.483	0.148	2.116

180-15564-A-4-A 12/28/2012 2:31:29 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:12	60.712%	0.022	88.070	91.000	0.000	9650.000	29700.000	31570.000
2	02:32:55	59.416%	0.007	80.710	86.330	0.000	9601.000	29630.000	31400.000
3	02:33:38	59.451%	-0.013	80.650	87.120	0.000	9551.000	29830.000	31580.000
x		59.860%	0.005	83.140	88.150	0.000	9601.000	29720.000	31520.000
σ		0.738%	0.017	4.265	2.497	0.000	49.860	99.490	101.100
%RSD		1.234	323.600	5.129	2.833	0.000	0.519	0.335	0.321

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:12	67.910	21470.000	0.000	4997.000	33980.000	38160.000	63.996%	7.106
2	02:32:55	67.290	21270.000	0.000	5003.000	34790.000	37570.000	62.480%	6.192
3	02:33:38	67.160	21230.000	0.000	4949.000	34600.000	37610.000	62.014%	6.268
x		67.450	21320.000	0.000	4983.000	34460.000	37780.000	62.830%	6.522
σ		0.398	128.300	0.000	29.520	424.800	329.300	1.036%	0.507
%RSD		0.589	0.602	0.000	0.592	1.233	0.872	1.649	7.773

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:12	0.580	1.698	275.200	395.500	548.900	0.299	0.540	0.501
2	02:32:55	1.034	1.618	272.900	390.900	542.500	0.320	0.477	0.529
3	02:33:38	1.102	1.646	274.800	397.100	548.000	0.305	0.306	0.494
x		0.905	1.654	274.300	394.500	546.500	0.308	0.441	0.508
σ		0.284	0.041	1.238	3.190	3.478	0.011	0.121	0.019
%RSD		31.340	2.457	0.451	0.809	0.636	3.448	27.480	3.693

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:12	0.631	2.344	2.105	1.691	-0.700	0.633	0.000	239.000
2	02:32:55	0.517	2.455	2.236	1.303	-0.794	-0.585	0.000	241.200
3	02:33:38	0.535	2.287	2.119	1.534	-0.897	0.508	0.000	237.700
x		0.561	2.362	2.153	1.510	-0.797	0.185	0.000	239.300
σ		0.062	0.085	0.072	0.195	0.099	0.670	0.000	1.766
%RSD		10.980	3.608	3.350	12.950	12.360	361.400	0.000	0.738

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:12	57.504%	5.353	5.258	58.721%	-0.003	-0.005	-0.094	-0.082
2	02:32:55	57.895%	4.148	4.174	59.158%	0.002	-0.010	-0.064	-0.063
3	02:33:38	57.852%	3.734	3.671	59.082%	-0.005	-0.008	-0.052	-0.026
x		57.750%	4.412	4.368	58.987%	-0.002	-0.008	-0.070	-0.057
σ		0.214%	0.841	0.811	0.233%	0.003	0.002	0.022	0.028
%RSD		0.371	19.060	18.580	0.396	153.200	29.570	31.110	49.360

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:12	58.147%	7.557	0.254	0.280	81.220	79.950	66.864%	67.918%
2	02:32:55	59.405%	5.180	0.208	0.191	79.460	79.810	68.508%	69.807%
3	02:33:38	59.851%	4.032	0.160	0.194	79.610	79.010	68.973%	70.611%
x		59.134%	5.590	0.207	0.221	80.100	79.590	68.115%	69.445%
σ		0.884%	1.798	0.047	0.050	0.976	0.509	1.108%	1.382%
%RSD		1.495	32.170	22.810	22.750	1.219	0.639	1.626	1.990

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:12	0.222	0.196	0.914	0.874	0.863	70.001%
2	02:32:55	0.140	0.146	0.891	0.850	0.864	71.460%
3	02:33:38	0.103	0.093	0.834	0.847	0.846	72.375%
x		0.155	0.144	0.879	0.857	0.858	71.279%
σ		0.061	0.051	0.041	0.015	0.010	1.197%
%RSD		39.140	35.620	4.696	1.721	1.176	1.680

180-15564-A-9-A 12/28/2012 2:35:49 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:32	62.187%	-0.003	27.230	28.870	0.000	7477.000	10250.000	10940.000
2	02:37:15	60.640%	0.003	27.260	28.520	0.000	7695.000	10570.000	11200.000
3	02:37:58	60.250%	-0.013	25.860	27.670	0.000	7667.000	10560.000	11280.000
x		61.026%	-0.004	26.790	28.350	0.000	7613.000	10460.000	11140.000
σ		1.025%	0.008	0.800	0.614	0.000	118.400	180.700	176.900
%RSD		1.679	192.600	2.987	2.166	0.000	1.555	1.728	1.588

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:32	41.800	747.100	0.000	1672.000	30050.000	32430.000	65.823%	1.012
2	02:37:15	41.910	754.300	0.000	1633.000	30150.000	32900.000	63.793%	1.289
3	02:37:58	42.310	759.900	0.000	1692.000	30660.000	33060.000	62.608%	1.335
x		42.010	753.800	0.000	1666.000	30290.000	32800.000	64.075%	1.212
σ		0.270	6.392	0.000	29.720	327.000	324.300	1.626%	0.175
%RSD		0.642	0.848	0.000	1.784	1.080	0.989	2.538	14.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:32	0.460	0.772	6.091	42.360	187.000	0.067	0.198	0.619
2	02:37:15	1.062	0.711	6.168	42.730	183.300	0.064	0.216	0.642
3	02:37:58	1.326	0.746	6.037	41.590	184.200	0.056	0.196	0.598
x		0.950	0.743	6.098	42.220	184.800	0.062	0.203	0.620
σ		0.444	0.031	0.066	0.581	1.953	0.005	0.011	0.022
%RSD		46.760	4.164	1.079	1.377	1.057	8.475	5.375	3.603

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:32	0.727	0.233	0.329	0.314	-0.562	0.142	0.000	107.200
2	02:37:15	0.672	0.274	0.310	0.424	-0.686	-0.223	0.000	108.700
3	02:37:58	0.718	0.357	0.386	0.520	-0.800	-0.308	0.000	108.100
x		0.705	0.288	0.342	0.419	-0.683	-0.130	0.000	108.000
σ		0.029	0.064	0.039	0.103	0.120	0.239	0.000	0.755
%RSD		4.181	22.090	11.480	24.560	17.500	184.600	0.000	0.699

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:32	59.025%	1.934	1.874	61.468%	-0.002	-0.008	0.014	0.021
2	02:37:15	59.886%	2.040	1.966	62.013%	-0.006	-0.008	-0.053	-0.050
3	02:37:58	60.254%	1.765	1.919	62.183%	-0.011	-0.007	-0.074	-0.075
x		59.722%	1.913	1.920	61.888%	-0.006	-0.008	-0.038	-0.035
σ		0.631%	0.139	0.046	0.374%	0.004	0.001	0.046	0.050
%RSD		1.057	7.254	2.389	0.604	70.580	10.120	121.600	144.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:32	60.528%	2.476	0.242	0.297	18.480	18.120	69.451%	70.842%
2	02:37:15	61.536%	2.348	0.252	0.307	18.290	18.950	70.715%	71.906%
3	02:37:58	61.149%	2.146	0.257	0.248	18.670	18.460	71.666%	72.507%
x		61.071%	2.323	0.250	0.284	18.480	18.510	70.611%	71.751%
σ		0.509%	0.167	0.008	0.032	0.192	0.415	1.111%	0.843%
%RSD		0.833	7.169	3.094	11.190	1.036	2.243	1.573	1.175

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:32	0.049	0.048	0.138	0.140	0.135	74.470%
2	02:37:15	0.046	0.048	0.142	0.141	0.138	75.005%
3	02:37:58	0.042	0.042	0.155	0.166	0.149	75.803%
x		0.045	0.046	0.145	0.149	0.140	75.093%
σ		0.003	0.004	0.009	0.015	0.007	0.671%
%RSD		7.664	7.985	5.958	9.865	5.103	0.893

180-15564-A-14-A 12/28/2012 2:40:09 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:52	61.100%	0.008	27.280	28.050	0.000	8181.000	11290.000	11830.000
2	02:41:35	60.178%	-0.007	25.620	28.250	0.000	8082.000	11250.000	11880.000
3	02:42:18	60.729%	0.000	26.520	27.800	0.000	8126.000	11250.000	11930.000
x		60.669%	0.000	26.470	28.030	0.000	8130.000	11260.000	11880.000
σ		0.464%	0.008	0.834	0.224	0.000	49.810	21.300	49.000
%RSD		0.765	1730.000	3.152	0.799	0.000	0.613	0.189	0.412

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:52	58.190	839.900	0.000	1806.000	32300.000	35430.000	63.768%	1.544
2	02:41:35	58.300	829.200	0.000	1757.000	31420.000	35330.000	63.712%	1.291
3	02:42:18	58.490	840.100	0.000	1752.000	32310.000	35300.000	63.208%	1.391
x		58.330	836.400	0.000	1772.000	32010.000	35360.000	63.563%	1.409
σ		0.148	6.254	0.000	29.910	508.900	67.550	0.308%	0.128
%RSD		0.255	0.748	0.000	1.688	1.590	0.191	0.485	9.047

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:52	-0.265	0.911	6.505	59.160	213.300	0.067	0.225	0.661
2	02:41:35	-0.384	0.836	6.332	55.990	201.500	0.067	0.275	0.610
3	02:42:18	-1.381	0.805	6.461	57.950	204.300	0.070	0.268	0.694
x		-0.677	0.851	6.433	57.700	206.400	0.068	0.256	0.655
σ		0.613	0.055	0.090	1.596	6.145	0.002	0.027	0.043
%RSD		90.600	6.413	1.394	2.766	2.978	3.051	10.680	6.496

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:52	0.751	0.395	0.595	0.271	-0.741	-0.308	0.000	116.400
2	02:41:35	0.758	0.485	0.518	0.240	-0.644	0.051	0.000	115.400
3	02:42:18	0.705	0.493	0.243	0.451	-0.716	0.169	0.000	116.700
x		0.738	0.458	0.452	0.321	-0.700	-0.029	0.000	116.200
σ		0.029	0.055	0.185	0.114	0.050	0.249	0.000	0.685
%RSD		3.936	11.940	41.000	35.400	7.206	848.600	0.000	0.590

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:52	58.215%	2.043	1.980	60.294%	-0.001	-0.004	-0.076	-0.061
2	02:41:35	59.784%	2.080	1.826	61.106%	-0.008	-0.005	-0.009	-0.025
3	02:42:18	59.232%	1.884	1.906	61.061%	-0.006	-0.008	-0.020	-0.009
x		59.077%	2.002	1.904	60.820%	-0.005	-0.006	-0.035	-0.032
σ		0.796%	0.104	0.077	0.456%	0.004	0.002	0.036	0.027
%RSD		1.347	5.193	4.037	0.751	72.160	41.210	102.600	84.150

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:52	59.072%	2.115	0.237	0.273	20.460	20.170	67.944%	69.298%
2	02:41:35	59.986%	2.078	0.256	0.299	20.190	20.330	69.964%	71.363%
3	02:42:18	60.573%	2.004	0.238	0.254	19.650	20.040	69.825%	71.223%
x		59.877%	2.065	0.244	0.275	20.100	20.180	69.244%	70.628%
σ		0.757%	0.057	0.011	0.022	0.410	0.145	1.129%	1.154%
%RSD		1.264	2.740	4.533	8.108	2.042	0.718	1.630	1.634

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:52	0.031	0.033	0.173	0.167	0.166	71.944%
2	02:41:35	0.035	0.031	0.181	0.148	0.157	73.426%
3	02:42:18	0.048	0.040	0.160	0.135	0.152	74.061%
x		0.038	0.035	0.171	0.150	0.159	73.144%
σ		0.009	0.004	0.011	0.016	0.007	1.086%
%RSD		23.470	12.880	6.315	10.660	4.491	1.485

180-15564-A-19-A 12/28/2012 2:44:29 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:12	59.085%	0.001	82.350	86.560	0.000	10070.000	19520.000	20540.000
2	02:45:55	58.249%	0.019	81.510	86.390	0.000	10010.000	19370.000	20510.000
3	02:46:38	56.294%	0.012	83.150	86.240	0.000	9651.000	19480.000	20530.000
x		57.876%	0.011	82.330	86.400	0.000	9911.000	19460.000	20530.000
σ		1.433%	0.009	0.823	0.161	0.000	228.000	77.120	14.230
%RSD		2.476	82.160	0.999	0.186	0.000	2.300	0.396	0.069

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:12	93.520	13910.000	0.000	4537.000	37750.000	41490.000	61.304%	7.187
2	02:45:55	91.170	13530.000	0.000	4448.000	37250.000	40570.000	60.940%	6.133
3	02:46:38	93.020	13630.000	0.000	4430.000	37040.000	41350.000	58.950%	6.304
x		92.570	13690.000	0.000	4471.000	37350.000	41140.000	60.398%	6.541
σ		1.238	195.800	0.000	57.320	363.900	497.900	1.267%	0.566
%RSD		1.337	1.430	0.000	1.282	0.974	1.210	2.098	8.651

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:12	1.109	1.909	342.400	660.600	830.400	0.579	0.970	0.636
2	02:45:55	0.712	1.926	345.100	659.500	822.400	0.539	0.948	0.600
3	02:46:38	0.543	1.961	341.700	651.700	792.500	0.568	0.902	0.630
x		0.788	1.932	343.100	657.300	815.100	0.562	0.940	0.622
σ		0.291	0.027	1.762	4.889	19.980	0.020	0.035	0.019
%RSD		36.890	1.377	0.514	0.744	2.451	3.638	3.704	3.112

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:12	0.651	6.167	6.368	13.510	-0.832	0.304	0.000	219.500
2	02:45:55	0.611	5.664	5.725	12.970	-0.744	-0.118	0.000	219.500
3	02:46:38	0.652	5.855	5.436	13.360	-0.955	-0.293	0.000	219.100
x		0.638	5.896	5.843	13.280	-0.844	-0.036	0.000	219.400
σ		0.023	0.254	0.477	0.274	0.106	0.307	0.000	0.235
%RSD		3.627	4.310	8.165	2.062	12.570	856.500	0.000	0.107

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:12	56.102%	4.622	4.654	58.042%	-0.005	-0.008	-0.021	-0.022
2	02:45:55	55.992%	4.591	4.605	57.360%	-0.004	-0.001	-0.082	-0.051
3	02:46:38	56.199%	4.842	4.702	57.732%	-0.002	-0.002	-0.094	-0.069
x		56.097%	4.685	4.654	57.711%	-0.004	-0.004	-0.066	-0.048
σ		0.103%	0.137	0.048	0.341%	0.002	0.004	0.039	0.024
%RSD		0.184	2.920	1.038	0.592	44.300	107.000	59.050	50.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:12	56.983%	1.759	0.109	0.135	90.340	91.620	66.138%	67.406%
2	02:45:55	57.946%	1.641	0.117	0.130	88.730	90.230	67.404%	69.175%
3	02:46:38	57.787%	1.746	0.114	0.124	88.310	90.130	67.644%	69.212%
x		57.572%	1.715	0.113	0.130	89.130	90.660	67.062%	68.598%
σ		0.517%	0.065	0.004	0.005	1.069	0.831	0.809%	1.032%
%RSD		0.897	3.786	3.593	4.228	1.200	0.917	1.207	1.504

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:12	0.012	0.011	2.218	2.162	2.143	70.411%
2	02:45:55	0.022	0.010	2.225	2.135	2.154	71.649%
3	02:46:38	0.015	0.009	2.186	2.130	2.123	71.999%
x		0.016	0.010	2.210	2.142	2.140	71.353%
σ		0.005	0.001	0.020	0.017	0.016	0.834%
%RSD		33.290	9.870	0.924	0.800	0.730	1.169

CCV 664806 12/28/2012 2:51:45 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:52:28	59.956%	103.800	98.290	102.200	0.000	49850.000	50010.000	50960.000
2	02:53:11	59.701%	101.400	95.930	96.530	0.000	48970.000	48760.000	49890.000
3	02:53:54	59.275%	99.730	97.160	99.780	0.000	48500.000	48520.000	50400.000
x		59.644%	101.644%	97.128%	99.497%	0.000	98.214%	98.191%	100.831%
σ		0.344%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.577	2.028	1.215	2.850	0.000	1.400	1.626	1.065

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:52:28	545.200	5358.000	0.000	49050.000	49100.000	52510.000	71.193%	99.720
2	02:53:11	526.100	5210.000	0.000	48440.000	48240.000	51400.000	71.275%	99.040
3	02:53:54	530.100	5211.000	0.000	48010.000	47380.000	50850.000	72.106%	99.670
x		106.765%	105.189%	0.000	97.001%	96.485%	103.174%	71.524%	99.478%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.505%	n/a
%RSD		1.889	1.616	0.000	1.082	1.786	1.641	0.706	0.386

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:52:28	99.650	97.990	532.200	26920.000	26450.000	96.110	97.630	99.420
2	02:53:11	98.820	97.850	529.600	26740.000	26360.000	94.790	95.670	95.670
3	02:53:54	98.710	96.850	525.600	26510.000	26150.000	94.540	94.830	95.840
x		99.059%	97.563%	105.829%	106.901%	105.279%	95.146%	96.045%	96.979%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.518	0.640	0.628	0.774	0.591	0.883	1.495	2.185

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:52:28	97.800	104.800	105.700	101.700	105.400	105.400	0.000	99.450
2	02:53:11	96.130	105.900	106.500	100.000	104.700	106.700	0.000	98.920
3	02:53:54	96.680	105.600	106.800	100.700	103.300	104.900	0.000	100.200
x		96.870%	105.437%	106.316%	100.817%	104.448%	105.667%	0.000	99.525%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.878	0.528	0.558	0.839	0.993	0.881	0.000	0.644

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:52:28	61.433%	96.970	96.910	60.701%	97.410	99.930	105.000	106.900
2	02:53:11	62.527%	98.660	99.720	61.853%	97.720	99.110	102.500	105.300
3	02:53:54	63.389%	100.800	100.800	62.517%	98.580	100.600	104.900	106.400
x		62.450%	98.805%	99.135%	61.690%	97.904%	99.866%	104.108%	106.246%
σ		0.981%	n/a	n/a	0.919%	n/a	n/a	n/a	n/a
%RSD		1.570	1.934	2.013	1.490	0.615	0.730	1.359	0.776

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:52:28	60.045%	101.100	102.600	103.300	98.180	99.220	63.846%	66.141%
2	02:53:11	62.439%	101.100	101.700	101.700	96.990	98.100	66.318%	69.330%
3	02:53:54	62.805%	100.600	103.600	102.900	97.140	97.780	68.025%	70.562%
x		61.763%	100.931%	102.632%	102.622%	97.437%	98.365%	66.063%	68.678%
σ		1.499%	n/a	n/a	n/a	n/a	n/a	2.101%	2.282%
%RSD		2.427	0.275	0.939	0.814	0.661	0.770	3.181	3.322

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:52:28	92.060	91.670	92.670	91.740	91.590	68.895%
2	02:53:11	93.010	92.260	93.040	92.880	92.350	71.237%
3	02:53:54	92.690	92.730	93.440	92.800	92.860	72.520%
x		92.587%	92.222%	93.052%	92.473%	92.267%	70.884%
σ		n/a	n/a	n/a	n/a	n/a	1.838%
%RSD		0.522	0.576	0.413	0.684	0.694	2.593

CCB11 12/28/2012 2:59:03 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:46	100.405%	-0.011	1.045	1.224	0.000	6.696	3.188	3.412
2	03:00:29	99.067%	-0.009	1.084	1.154	0.000	6.160	2.819	3.267
3	03:01:12	99.773%	0.001	1.043	1.071	0.000	6.291	3.281	3.461
x		99.748%	-0.006	1.057	1.150	0.000	6.382	3.096	3.380
σ		0.669%	0.006	0.023	0.077	0.000	0.279	0.245	0.101
%RSD		0.671	101.000	2.155	6.688	0.000	4.379	7.897	2.992

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:46	1.227	-4.697	0.000	-15.050	20.820	18.700	104.991%	-0.039
2	03:00:29	1.087	-5.097	0.000	-16.710	18.530	19.440	103.888%	-0.037
3	03:01:12	1.100	-5.108	0.000	-16.800	10.100	18.150	103.971%	-0.026
x		1.138	-4.967	0.000	-16.190	16.480	18.760	104.284%	-0.034
σ		0.077	0.234	0.000	0.986	5.646	0.652	0.614%	0.007
%RSD		6.785	4.715	0.000	6.094	34.250	3.472	0.589	21.460

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:46	-0.012	-0.100	0.201	-16.010	11.960	-0.001	0.023	-0.009
2	03:00:29	-0.015	-0.081	0.185	-20.830	8.807	-0.003	0.012	-0.020
3	03:01:12	-0.015	-0.097	0.195	-23.220	5.454	-0.001	0.009	0.004
x		-0.014	-0.093	0.194	-20.020	8.741	-0.002	0.015	-0.008
σ		0.002	0.010	0.008	3.674	3.255	0.001	0.008	0.012
%RSD		13.840	10.570	4.311	18.350	37.230	54.800	51.580	141.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:46	0.002	1.981	1.813	-0.473	-1.174	-1.871	0.000	0.026
2	03:00:29	-0.021	1.938	2.022	-0.343	-1.221	-1.300	0.000	0.023
3	03:01:12	0.006	1.923	2.097	-0.472	-1.240	-2.127	0.000	0.023
x		-0.004	1.948	1.977	-0.430	-1.211	-1.766	0.000	0.024
σ		0.014	0.030	0.147	0.075	0.034	0.423	0.000	0.001
%RSD		338.500	1.538	7.439	17.420	2.811	23.980	0.000	5.757

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:46	83.595%	0.266	0.274	88.553%	0.007	-0.006	-0.110	-0.071
2	03:00:29	84.016%	0.277	0.266	88.182%	0.003	0.009	-0.146	-0.109
3	03:01:12	84.597%	0.223	0.230	88.511%	0.002	-0.003	-0.124	-0.091
x		84.069%	0.256	0.257	88.415%	0.004	0.000	-0.127	-0.090
σ		0.503%	0.029	0.023	0.203%	0.002	0.008	0.018	0.019
%RSD		0.598	11.320	9.072	0.230	58.320	6065.000	14.520	21.320

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:46	84.977%	-0.068	0.025	0.035	0.035	0.035	85.840%	87.006%
2	03:00:29	85.955%	-0.100	0.021	0.020	-0.008	-0.008	87.179%	88.500%
3	03:01:12	85.774%	-0.103	0.022	0.013	0.004	0.010	87.458%	89.004%
x		85.568%	-0.090	0.023	0.023	0.010	0.012	86.826%	88.170%
σ		0.520%	0.019	0.002	0.011	0.022	0.022	0.865%	1.039%
%RSD		0.608	21.240	9.760	48.620	217.800	173.900	0.996	1.179

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:46	0.005	0.001	0.068	0.059	0.061	87.158%
2	03:00:29	0.007	0.007	0.056	0.066	0.052	87.845%
3	03:01:12	0.008	0.001	0.040	0.042	0.039	87.937%
x		0.007	0.003	0.055	0.056	0.051	87.647%
σ		0.002	0.003	0.014	0.012	0.011	0.426%
%RSD		27.480	112.200	26.260	21.770	21.820	0.486

180-15564-A-24-A 12/28/2012 3:03:25 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:08	60.134%	0.003	23.380	25.680	0.000	7865.000	10830.000	11480.000
2	03:04:51	60.575%	-0.005	23.440	24.760	0.000	7660.000	10620.000	11190.000
3	03:05:34	61.672%	0.005	21.980	24.070	0.000	7493.000	10500.000	11120.000
x		60.794%	0.001	22.940	24.840	0.000	7673.000	10650.000	11260.000
σ		0.792%	0.005	0.827	0.808	0.000	186.000	166.400	191.000
%RSD		1.303	406.700	3.606	3.254	0.000	2.424	1.563	1.696

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:08	60.710	808.500	0.000	1695.000	30650.000	33850.000	63.860%	1.611
2	03:04:51	60.690	807.100	0.000	1724.000	30780.000	33780.000	62.170%	1.427
3	03:05:34	61.110	801.700	0.000	1700.000	31000.000	33340.000	63.007%	1.426
x		60.840	805.800	0.000	1707.000	30810.000	33660.000	63.012%	1.488
σ		0.238	3.588	0.000	15.270	177.300	272.200	0.845%	0.107
%RSD		0.391	0.445	0.000	0.895	0.576	0.809	1.341	7.182

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:08	0.261	0.846	7.178	70.290	218.400	0.079	0.298	0.623
2	03:04:51	0.266	0.767	7.064	68.320	217.300	0.052	0.271	0.646
3	03:05:34	1.595	0.729	7.176	63.360	205.100	0.067	0.236	0.595
x		0.707	0.780	7.139	67.320	213.600	0.066	0.268	0.621
σ		0.769	0.060	0.065	3.572	7.382	0.013	0.031	0.026
%RSD		108.700	7.653	0.914	5.306	3.456	20.380	11.550	4.115

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:08	0.704	0.367	0.400	0.365	-0.833	0.224	0.000	109.700
2	03:04:51	0.640	0.545	0.281	0.634	-0.681	0.448	0.000	110.500
3	03:05:34	0.700	0.408	0.198	0.931	-0.907	0.484	0.000	110.000
x		0.681	0.440	0.293	0.643	-0.807	0.385	0.000	110.100
σ		0.036	0.093	0.102	0.283	0.115	0.141	0.000	0.416
%RSD		5.276	21.160	34.800	44.010	14.300	36.660	0.000	0.378

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:08	57.147%	1.952	1.991	59.216%	-0.005	-0.005	-0.063	-0.064
2	03:04:51	58.801%	1.885	1.821	60.552%	-0.000	-0.011	-0.121	-0.093
3	03:05:34	58.896%	1.796	1.875	60.641%	-0.006	-0.007	-0.029	-0.030
x		58.281%	1.878	1.896	60.137%	-0.004	-0.008	-0.071	-0.063
σ		0.984%	0.078	0.087	0.798%	0.003	0.003	0.046	0.032
%RSD		1.688	4.161	4.601	1.328	78.800	35.220	64.750	50.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:08	58.058%	1.989	0.290	0.301	18.700	19.110	66.079%	67.803%
2	03:04:51	59.710%	1.756	0.286	0.287	18.410	19.120	69.063%	70.488%
3	03:05:34	59.650%	1.633	0.232	0.276	18.860	19.570	69.898%	70.917%
x		59.140%	1.793	0.270	0.288	18.660	19.270	68.347%	69.736%
σ		0.937%	0.181	0.032	0.012	0.226	0.267	2.008%	1.688%
%RSD		1.584	10.080	11.980	4.329	1.213	1.383	2.938	2.420

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:08	0.014	0.010	0.184	0.188	0.171	71.636%
2	03:04:51	0.017	0.009	0.168	0.175	0.173	74.046%
3	03:05:34	0.012	0.014	0.153	0.181	0.165	74.835%
x		0.014	0.011	0.169	0.181	0.170	73.506%
σ		0.002	0.003	0.016	0.006	0.004	1.666%
%RSD		17.690	23.120	9.226	3.327	2.455	2.267

180-15564-A-29-A 12/28/2012 3:07:45 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:08:28	58.307%	0.002	22.760	24.940	0.000	7912.000	10850.000	11680.000
2	03:09:11	59.967%	-0.005	23.290	24.250	0.000	7690.000	10740.000	11360.000
3	03:09:54	60.953%	0.019	23.200	24.510	0.000	7562.000	10730.000	11150.000
x		59.742%	0.005	23.090	24.570	0.000	7721.000	10780.000	11390.000
σ		1.337%	0.012	0.284	0.349	0.000	176.700	67.860	266.100
%RSD		2.238	226.000	1.229	1.419	0.000	2.289	0.630	2.336

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:08:28	63.930	825.900	0.000	1719.000	31190.000	33870.000	62.826%	1.255
2	03:09:11	62.600	808.100	0.000	1655.000	31030.000	33180.000	62.499%	1.459
3	03:09:54	61.180	804.200	0.000	1662.000	30490.000	33200.000	63.087%	1.258
x		62.570	812.700	0.000	1678.000	30900.000	33420.000	62.804%	1.324
σ		1.374	11.530	0.000	35.010	366.400	390.300	0.294%	0.117
%RSD		2.196	1.419	0.000	2.086	1.186	1.168	0.469	8.838

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:08:28	0.766	0.785	6.254	61.550	211.900	0.052	0.277	0.612
2	03:09:11	-0.059	0.759	6.352	58.950	203.900	0.067	0.330	0.623
3	03:09:54	0.720	0.782	6.319	58.470	196.000	0.070	0.252	0.623
x		0.475	0.775	6.308	59.660	203.900	0.063	0.286	0.619
σ		0.464	0.015	0.050	1.660	7.954	0.009	0.040	0.007
%RSD		97.480	1.877	0.794	2.782	3.900	14.940	13.910	1.090

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:08:28	0.743	0.751	0.596	0.737	-0.813	-0.287	0.000	110.100
2	03:09:11	0.727	0.786	0.722	0.909	-0.889	0.459	0.000	110.000
3	03:09:54	0.607	0.560	0.768	0.241	-0.895	0.184	0.000	110.400
x		0.692	0.699	0.695	0.629	-0.866	0.119	0.000	110.200
σ		0.074	0.122	0.089	0.347	0.046	0.377	0.000	0.209
%RSD		10.700	17.430	12.810	55.150	5.283	317.300	0.000	0.190

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:08:28	57.718%	1.820	1.783	59.529%	-0.006	-0.008	-0.074	-0.058
2	03:09:11	58.496%	1.758	1.678	60.553%	-0.008	-0.005	-0.058	-0.065
3	03:09:54	58.647%	1.850	1.751	60.405%	-0.004	-0.005	-0.069	-0.071
x		58.287%	1.809	1.737	60.162%	-0.006	-0.006	-0.067	-0.065
σ		0.499%	0.047	0.054	0.553%	0.002	0.002	0.009	0.006
%RSD		0.856	2.607	3.115	0.919	30.730	30.340	12.800	9.508

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:08:28	57.828%	1.307	0.232	0.293	19.350	19.910	66.912%	68.738%
2	03:09:11	59.752%	1.293	0.251	0.229	20.200	19.420	69.124%	71.192%
3	03:09:54	60.433%	1.227	0.243	0.282	19.490	20.140	70.221%	71.448%
x		59.337%	1.276	0.242	0.268	19.680	19.820	68.753%	70.460%
σ		1.351%	0.043	0.010	0.034	0.457	0.366	1.685%	1.496%
%RSD		2.277	3.347	4.046	12.840	2.322	1.849	2.451	2.124

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:08:28	0.017	0.009	0.185	0.167	0.166	72.435%
2	03:09:11	0.016	0.007	0.151	0.151	0.164	74.656%
3	03:09:54	0.009	0.012	0.166	0.162	0.156	74.698%
x		0.014	0.009	0.167	0.160	0.162	73.930%
σ		0.004	0.002	0.017	0.008	0.005	1.295%
%RSD		30.810	25.600	10.020	5.284	3.300	1.751

500-51477-G-2-A 12/28/2012 3:12:06 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:49	51.789%	0.015	852.600	895.600	0.000	149300.000	64040.000	68430.000
2	03:13:32	51.175%	-0.000	839.600	874.300	0.000	144000.000	62390.000	66920.000
3	03:14:15	50.221%	0.014	827.100	882.400	0.000	144700.000	63210.000	66700.000
x		51.062%	0.010	839.700	884.100	0.000	146000.000	63210.000	67350.000
σ		0.790%	0.008	12.750	10.760	0.000	2890.000	825.600	938.500
%RSD		1.547	87.520	1.519	1.217	0.000	1.980	1.306	1.393
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:49	107.400	32220.000	0.000	6706.000	411300.000	448800.000	59.164%	7.573
2	03:13:32	105.400	31360.000	0.000	6521.000	409200.000	442200.000	57.296%	7.127
3	03:14:15	104.700	31300.000	0.000	6548.000	412900.000	438200.000	56.465%	7.070
x		105.800	31630.000	0.000	6592.000	411100.000	443100.000	57.642%	7.256
σ		1.381	514.200	0.000	100.400	1836.000	5351.000	1.382%	0.276
%RSD		1.305	1.626	0.000	1.524	0.447	1.208	2.398	3.799
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:49	0.423	0.693	242.700	32620.000	33690.000	1.108	-1.426	1.332
2	03:13:32	0.900	0.771	246.000	32450.000	33330.000	1.148	-1.538	1.340
3	03:14:15	1.709	0.714	245.900	32300.000	32900.000	1.077	-1.626	1.336
x		1.011	0.726	244.900	32460.000	33310.000	1.111	-1.530	1.336
σ		0.650	0.040	1.901	160.200	400.000	0.036	0.100	0.004
%RSD		64.290	5.557	0.776	0.494	1.201	3.213	6.533	0.278
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:49	1.855	5.037	4.622	65.340	-0.407	0.272	0.000	777.600
2	03:13:32	1.868	5.401	4.625	64.280	-0.319	0.419	0.000	775.900
3	03:14:15	1.910	5.419	4.845	65.410	-0.486	0.711	0.000	776.000
x		1.878	5.286	4.697	65.010	-0.404	0.467	0.000	776.500
σ		0.029	0.215	0.128	0.634	0.083	0.224	0.000	0.985
%RSD		1.546	4.075	2.732	0.976	20.620	47.890	0.000	0.127
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:49	55.107%	0.742	0.751	51.015%	-0.000	-0.007	0.164	0.218
2	03:13:32	54.682%	0.703	0.757	50.629%	-0.001	-0.004	0.270	0.188
3	03:14:15	54.042%	0.762	0.714	50.063%	0.013	-0.003	0.123	0.206
x		54.610%	0.735	0.741	50.569%	0.004	-0.004	0.186	0.204
σ		0.536%	0.030	0.023	0.478%	0.008	0.002	0.076	0.015
%RSD		0.981	4.063	3.138	0.946	204.500	48.990	40.980	7.297
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:49	54.302%	1.584	0.138	0.208	77.580	78.770	64.868%	66.086%
2	03:13:32	54.284%	1.615	0.114	0.163	78.840	78.980	65.791%	67.173%
3	03:14:15	54.272%	1.557	0.122	0.183	78.910	77.920	65.768%	67.181%
x		54.286%	1.585	0.125	0.184	78.440	78.560	65.476%	66.813%
σ		0.015%	0.029	0.012	0.023	0.749	0.563	0.526%	0.630%
%RSD		0.028	1.839	9.731	12.250	0.955	0.717	0.804	0.943
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:12:49	0.004	-0.001	0.658	0.635	0.638	59.673%		
2	03:13:32	-0.001	-0.000	0.622	0.603	0.608	61.107%		
3	03:14:15	0.007	0.006	0.597	0.613	0.609	60.795%		
x		0.004	0.001	0.626	0.617	0.618	60.525%		
σ		0.004	0.004	0.030	0.016	0.017	0.754%		
%RSD		110.700	271.500	4.853	2.628	2.754	1.246		

500-51477-G-2-A SD@5 12/28/2012 3:16:27 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:17:10	53.160%	-0.001	200.800	207.900	0.000	30940.000	13550.000	14550.000
2	03:17:53	53.866%	-0.008	190.600	196.600	0.000	29790.000	13230.000	14190.000
3	03:18:36	54.441%	0.013	186.100	197.000	0.000	29840.000	13270.000	14040.000
x		53.822%	0.001	192.500	200.500	0.000	30190.000	13350.000	14260.000
σ		0.641%	0.011	7.530	6.371	0.000	650.400	171.500	262.200
%RSD		1.192	805.300	3.912	3.178	0.000	2.154	1.285	1.838
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:17:10	25.210	6869.000	0.000	1421.000	84590.000	91140.000	61.805%	1.528
2	03:17:53	25.920	6627.000	0.000	1363.000	83260.000	90510.000	60.809%	1.625
3	03:18:36	25.520	6647.000	0.000	1373.000	83500.000	90940.000	61.731%	1.369
x		25.550	6714.000	0.000	1386.000	83780.000	90860.000	61.449%	1.507
σ		0.354	134.200	0.000	31.120	706.900	324.300	0.555%	0.129
%RSD		1.386	1.999	0.000	2.246	0.844	0.357	0.903	8.553
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:17:10	0.146	0.089	50.650	7003.000	7116.000	0.221	-0.272	0.235
2	03:17:53	0.140	0.109	50.670	6921.000	7072.000	0.214	-0.287	0.250
3	03:18:36	0.377	0.095	51.640	7022.000	7041.000	0.214	-0.246	0.285
x		0.221	0.098	50.990	6982.000	7076.000	0.216	-0.269	0.257
σ		0.135	0.010	0.568	53.770	37.990	0.004	0.021	0.026
%RSD		61.080	10.560	1.114	0.770	0.537	1.827	7.757	10.140
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:17:10	0.431	1.211	0.884	15.470	-0.748	-1.030	0.000	151.900
2	03:17:53	0.445	1.428	1.207	15.440	-0.861	-0.249	0.000	151.100
3	03:18:36	0.399	1.073	0.901	15.330	-0.636	-0.445	0.000	154.300
x		0.425	1.237	0.998	15.410	-0.748	-0.575	0.000	152.500
σ		0.023	0.179	0.181	0.075	0.113	0.407	0.000	1.675
%RSD		5.515	14.440	18.200	0.484	15.050	70.800	0.000	1.098
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:17:10	57.542%	0.151	0.168	58.724%	-0.010	-0.009	0.006	0.007
2	03:17:53	58.312%	0.162	0.167	58.883%	-0.001	-0.009	0.038	-0.009
3	03:18:36	57.709%	0.150	0.161	59.240%	-0.007	-0.006	-0.066	-0.045
x		57.854%	0.154	0.165	58.949%	-0.006	-0.008	-0.007	-0.016
σ		0.405%	0.006	0.004	0.264%	0.004	0.001	0.053	0.027
%RSD		0.700	4.042	2.300	0.448	78.370	17.550	731.200	168.900
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:17:10	58.553%	0.047	0.008	0.020	15.630	15.630	67.648%	68.738%
2	03:17:53	59.657%	0.077	0.021	0.010	15.900	15.520	69.419%	70.598%
3	03:18:36	60.124%	0.023	0.013	0.039	16.040	15.540	69.510%	70.824%
x		59.445%	0.049	0.014	0.023	15.860	15.570	68.859%	70.053%
σ		0.807%	0.027	0.007	0.015	0.205	0.061	1.049%	1.145%
%RSD		1.357	54.650	47.110	64.150	1.293	0.393	1.524	1.634
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:17:10	-0.002	-0.007	0.150	0.114	0.124	73.002%		
2	03:17:53	-0.008	-0.009	0.118	0.122	0.120	75.134%		
3	03:18:36	-0.003	-0.003	0.131	0.123	0.118	75.902%		
x		-0.004	-0.007	0.133	0.120	0.121	74.680%		
σ		0.003	0.003	0.016	0.005	0.003	1.502%		
%RSD		72.940	46.130	12.090	4.336	2.701	2.012		

500-51477-G-2-B MS 12/28/2012 3:20:49 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:32	44.076%	44.060	1784.000	1851.000	0.000	200800.000	112600.000	118400.000
2	03:22:15	41.508%	43.790	1730.000	1856.000	0.000	199900.000	111600.000	119400.000
3	03:22:58	42.408%	43.380	1760.000	1875.000	0.000	195400.000	110700.000	117900.000
x		42.664%	43.740	1758.000	1861.000	0.000	198700.000	111600.000	118500.000
σ		1.303%	0.343	26.810	12.640	0.000	2934.000	952.600	784.200
%RSD		3.054	0.783	1.525	0.679	0.000	1.477	0.853	0.661

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:32	2129.000	41810.000	0.000	51960.000	469100.000	497500.000	53.727%	948.300
2	03:22:15	2138.000	41970.000	0.000	51300.000	467900.000	498300.000	51.794%	951.900
3	03:22:58	2120.000	41590.000	0.000	51100.000	471300.000	504200.000	51.181%	944.900
x		2129.000	41790.000	0.000	51450.000	469400.000	500000.000	52.234%	948.300
σ		9.320	190.000	0.000	450.600	1760.000	3663.000	1.329%	3.465
%RSD		0.438	0.455	0.000	0.876	0.375	0.733	2.544	0.365

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:32	472.000	183.200	729.800	33630.000	34390.000	430.400	402.700	199.100
2	03:22:15	473.700	181.700	733.200	33870.000	34830.000	424.900	403.800	200.100
3	03:22:58	477.600	185.300	736.500	33730.000	34230.000	428.300	402.600	198.800
x		474.500	183.400	733.200	33740.000	34480.000	427.900	403.000	199.300
σ		2.866	1.784	3.373	119.400	306.700	2.782	0.666	0.697
%RSD		0.604	0.973	0.460	0.354	0.889	0.650	0.165	0.350

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:32	199.400	384.200	383.400	92.710	6.693	7.754	0.000	1642.000
2	03:22:15	200.700	381.700	385.400	95.590	6.645	6.569	0.000	1627.000
3	03:22:58	197.800	382.300	387.800	94.400	6.765	8.461	0.000	1624.000
x		199.300	382.700	385.500	94.230	6.701	7.595	0.000	1631.000
σ		1.467	1.333	2.214	1.451	0.060	0.956	0.000	9.753
%RSD		0.736	0.348	0.574	1.540	0.895	12.590	0.000	0.598

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:32	53.527%	932.600	954.800	48.917%	41.960	42.340	42.260	39.610
2	03:22:15	53.579%	928.600	956.800	48.434%	41.980	42.030	42.770	39.660
3	03:22:58	52.892%	933.400	962.300	47.536%	42.200	42.490	43.420	39.540
x		53.333%	931.500	958.000	48.296%	42.050	42.290	42.820	39.600
σ		0.382%	2.568	3.889	0.701%	0.132	0.234	0.582	0.065
%RSD		0.717	0.276	0.406	1.452	0.314	0.554	1.359	0.163

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:32	52.948%	1827.000	423.200	422.000	1799.000	1809.000	64.001%	65.239%
2	03:22:15	53.338%	1832.000	423.700	422.100	1800.000	1804.000	64.670%	66.495%
3	03:22:58	52.961%	1833.000	426.000	423.600	1798.000	1803.000	65.066%	66.561%
x		53.083%	1831.000	424.300	422.600	1799.000	1805.000	64.579%	66.098%
σ		0.222%	3.393	1.506	0.919	0.882	3.370	0.538%	0.745%
%RSD		0.417	0.185	0.355	0.218	0.049	0.187	0.834	1.127

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:32	45.710	45.650	18.790	18.740	18.860	57.487%
2	03:22:15	45.930	45.980	19.200	18.940	19.030	58.658%
3	03:22:58	45.940	46.270	18.830	18.840	18.950	58.984%
x		45.860	45.970	18.940	18.840	18.950	58.376%
σ		0.129	0.307	0.226	0.101	0.085	0.787%
%RSD		0.281	0.668	1.195	0.534	0.447	1.349

500-51477-G-2-C MSD 12/28/2012 3:25:10 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:25:54	42.251%	45.120	1770.000	1839.000	0.000	201200.000	111900.000	118500.000
2	03:26:36	41.387%	44.100	1712.000	1804.000	0.000	193100.000	110000.000	116700.000
3	03:27:19	41.549%	43.590	1700.000	1795.000	0.000	193700.000	108800.000	116300.000
x		41.729%	44.270	1727.000	1813.000	0.000	196000.000	110200.000	117100.000
σ		0.459%	0.776	37.330	23.570	0.000	4509.000	1591.000	1197.000
%RSD		1.100	1.754	2.161	1.300	0.000	2.301	1.443	1.021

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:25:54	2115.000	41330.000	0.000	51400.000	460900.000	493000.000	51.813%	942.900
2	03:26:36	2088.000	40690.000	0.000	49810.000	453100.000	485200.000	51.035%	926.600
3	03:27:19	2078.000	40480.000	0.000	49820.000	461200.000	487600.000	50.025%	931.400
x		2094.000	40830.000	0.000	50340.000	458400.000	488600.000	50.958%	933.600
σ		19.310	440.800	0.000	913.200	4571.000	4007.000	0.896%	8.370
%RSD		0.922	1.079	0.000	1.814	0.997	0.820	1.759	0.896

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:25:54	463.100	182.300	724.500	33040.000	34400.000	425.300	398.800	199.700
2	03:26:36	461.400	179.500	712.900	32480.000	32860.000	414.300	395.900	198.400
3	03:27:19	468.200	180.300	718.000	32450.000	33830.000	413.500	393.900	198.300
x		464.200	180.700	718.500	32660.000	33690.000	417.700	396.200	198.800
σ		3.580	1.440	5.857	335.500	778.600	6.568	2.464	0.817
%RSD		0.771	0.797	0.815	1.027	2.311	1.572	0.622	0.411

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:25:54	197.400	381.800	383.900	92.670	6.711	6.978	0.000	1618.000
2	03:26:36	198.100	382.100	385.100	92.170	6.660	7.356	0.000	1598.000
3	03:27:19	197.100	383.100	383.800	90.590	7.041	7.640	0.000	1616.000
x		197.600	382.300	384.300	91.810	6.804	7.325	0.000	1611.000
σ		0.520	0.640	0.673	1.083	0.207	0.332	0.000	11.100
%RSD		0.263	0.167	0.175	1.180	3.041	4.533	0.000	0.689

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:25:54	53.008%	930.500	951.200	47.747%	41.960	42.620	42.810	38.780
2	03:26:36	52.956%	924.700	955.000	47.654%	42.330	42.500	43.050	39.300
3	03:27:19	52.460%	931.100	953.100	47.562%	41.870	41.950	42.430	38.570
x		52.808%	928.800	953.100	47.655%	42.060	42.360	42.770	38.880
σ		0.303%	3.545	1.917	0.093%	0.246	0.360	0.315	0.374
%RSD		0.573	0.382	0.201	0.194	0.584	0.850	0.737	0.963

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:25:54	52.626%	1836.000	423.800	418.100	1799.000	1803.000	63.876%	65.688%
2	03:26:36	53.069%	1826.000	419.700	421.200	1782.000	1788.000	65.058%	66.613%
3	03:27:19	52.818%	1824.000	424.300	419.700	1778.000	1794.000	65.244%	66.782%
x		52.838%	1829.000	422.600	419.700	1786.000	1795.000	64.726%	66.361%
σ		0.222%	6.007	2.487	1.544	11.260	7.666	0.742%	0.589%
%RSD		0.420	0.329	0.589	0.368	0.630	0.427	1.146	0.888

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:25:54	45.560	45.990	18.880	18.570	18.770	58.099%
2	03:26:36	45.310	45.580	18.760	18.680	18.730	59.601%
3	03:27:19	45.890	46.150	18.700	18.570	18.600	59.703%
x		45.590	45.910	18.780	18.610	18.700	59.134%
σ		0.294	0.295	0.092	0.066	0.088	0.898%
%RSD		0.646	0.643	0.491	0.354	0.472	1.518

MB 180-53711/1-A 12/28/2012 3:33:12 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:33:55	56.279%	0.009	14.760	15.860	0.000	8.413	3.970	3.981
2	03:34:38	55.282%	0.030	13.600	14.310	0.000	23.720	12.710	13.090
3	03:35:21	53.796%	-0.011	12.390	13.020	0.000	21.570	10.910	11.040
x		55.119%	0.009	13.580	14.400	0.000	17.900	9.195	9.368
σ		1.250%	0.021	1.184	1.421	0.000	8.287	4.614	4.776
%RSD		2.267	217.000	8.716	9.870	0.000	46.290	50.180	50.990

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:33:55	-0.233	11.870	0.000	-7.544	23.510	21.240	60.378%	0.975
2	03:34:38	-0.101	13.580	0.000	-4.338	58.180	56.870	60.193%	0.619
3	03:35:21	-0.186	12.630	0.000	-4.841	52.270	52.610	59.834%	0.375
x		-0.173	12.690	0.000	-5.574	44.650	43.570	60.135%	0.656
σ		0.067	0.855	0.000	1.724	18.550	19.460	0.277%	0.302
%RSD		38.810	6.732	0.000	30.930	41.540	44.660	0.460	46.030

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:33:55	-0.299	0.063	-0.004	28.190	40.550	0.015	0.053	0.041
2	03:34:38	-0.108	0.015	0.034	2.101	18.590	0.049	0.064	0.030
3	03:35:21	-0.069	-0.007	0.030	-5.255	8.722	0.033	0.077	0.038
x		-0.159	0.024	0.020	8.345	22.620	0.032	0.065	0.037
σ		0.123	0.036	0.021	17.570	16.290	0.017	0.012	0.006
%RSD		77.340	151.500	106.400	210.600	72.020	51.800	18.430	16.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:33:55	0.052	-0.329	-0.312	-0.134	-0.755	-0.026	0.000	0.072
2	03:34:38	0.060	-0.325	-0.394	-0.288	-0.988	-0.940	0.000	0.185
3	03:35:21	0.054	-0.277	-0.305	-0.121	-0.699	-0.456	0.000	0.163
x		0.056	-0.310	-0.337	-0.181	-0.814	-0.474	0.000	0.140
σ		0.004	0.029	0.049	0.093	0.154	0.457	0.000	0.060
%RSD		7.151	9.323	14.640	51.620	18.870	96.450	0.000	42.580

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:33:55	55.358%	1.374	1.139	60.463%	-0.002	-0.004	0.003	-0.008
2	03:34:38	55.880%	0.884	0.985	60.057%	-0.011	-0.004	-0.082	-0.057
3	03:35:21	56.544%	0.669	0.713	61.304%	-0.006	-0.001	-0.070	-0.048
x		55.928%	0.975	0.946	60.608%	-0.006	-0.003	-0.050	-0.038
σ		0.594%	0.361	0.216	0.636%	0.005	0.002	0.046	0.026
%RSD		1.063	37.050	22.830	1.049	75.640	49.440	93.250	68.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:33:55	57.351%	2.837	0.199	0.180	0.090	0.115	64.465%	65.342%
2	03:34:38	57.223%	1.934	0.187	0.160	0.182	0.232	66.278%	67.566%
3	03:35:21	59.212%	1.392	0.095	0.106	0.108	0.126	66.742%	67.849%
x		57.929%	2.054	0.160	0.149	0.127	0.158	65.828%	66.919%
σ		1.113%	0.730	0.057	0.038	0.049	0.065	1.203%	1.373%
%RSD		1.921	35.530	35.390	25.820	38.410	41.100	1.828	2.052

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:33:55	0.089	0.097	0.049	0.050	0.051	78.615%
2	03:34:38	0.082	0.075	0.042	0.018	0.032	79.399%
3	03:35:21	0.078	0.067	0.025	0.018	0.018	80.298%
x		0.083	0.080	0.039	0.029	0.033	79.437%
σ		0.006	0.016	0.012	0.018	0.016	0.842%
%RSD		6.838	19.580	32.270	64.210	48.630	1.060

LCS 180-53711/2-A 12/28/2012 3:37:35 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:18	49.745%	44.220	839.200	876.300	0.000	43110.000	44500.000	47480.000
2	03:39:01	49.100%	43.210	865.200	888.400	0.000	42070.000	44400.000	47580.000
3	03:39:44	47.859%	42.800	833.200	892.800	0.000	43240.000	45070.000	47390.000
x		48.901%	43.410	845.900	885.800	0.000	42810.000	44660.000	47480.000
σ		0.959%	0.729	17.030	8.537	0.000	641.900	359.200	95.900
%RSD		1.961	1.678	2.014	0.964	0.000	1.500	0.804	0.202

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:18	1922.000	9347.000	0.000	45130.000	46540.000	50000.000	52.631%	932.500
2	03:39:01	1926.000	9409.000	0.000	44780.000	46350.000	50160.000	52.604%	940.200
3	03:39:44	1929.000	9275.000	0.000	44060.000	46260.000	49750.000	52.256%	929.500
x		1925.000	9343.000	0.000	44660.000	46390.000	49970.000	52.497%	934.100
σ		3.593	67.300	0.000	545.300	141.600	207.000	0.209%	5.511
%RSD		0.187	0.720	0.000	1.221	0.305	0.414	0.399	0.590

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:18	492.800	194.500	526.500	1069.000	1225.000	470.400	458.700	230.700
2	03:39:01	486.200	192.600	530.100	1069.000	1211.000	460.200	449.000	226.600
3	03:39:44	482.000	189.900	526.400	1052.000	1207.000	467.300	455.900	230.700
x		487.000	192.400	527.700	1063.000	1214.000	465.900	454.500	229.300
σ		5.456	2.318	2.140	9.729	9.535	5.191	5.008	2.394
%RSD		1.120	1.205	0.406	0.915	0.785	1.114	1.102	1.044

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:18	228.600	449.200	449.400	33.210	7.734	8.142	0.000	1011.000
2	03:39:01	227.000	448.100	449.200	32.880	7.497	8.354	0.000	997.200
3	03:39:44	229.700	451.800	456.500	31.800	7.751	8.003	0.000	991.000
x		228.400	449.700	451.700	32.630	7.661	8.166	0.000	999.900
σ		1.365	1.932	4.176	0.738	0.142	0.177	0.000	10.510
%RSD		0.597	0.429	0.925	2.262	1.853	2.164	0.000	1.051

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:18	49.684%	937.600	928.800	53.047%	44.520	45.820	45.280	42.760
2	03:39:01	50.103%	944.300	943.200	53.061%	45.010	45.840	44.080	42.200
3	03:39:44	49.932%	939.100	930.400	53.223%	45.320	45.850	44.910	41.420
x		49.906%	940.300	934.100	53.110%	44.950	45.840	44.760	42.130
σ		0.210%	3.503	7.920	0.098%	0.406	0.014	0.615	0.673
%RSD		0.422	0.373	0.848	0.184	0.903	0.030	1.374	1.598

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:18	54.378%	1848.000	433.700	428.300	1729.000	1738.000	65.015%	66.848%
2	03:39:01	56.061%	1833.000	427.300	426.300	1722.000	1737.000	66.891%	68.231%
3	03:39:44	55.387%	1853.000	433.600	429.500	1734.000	1744.000	66.745%	69.013%
x		55.276%	1845.000	431.600	428.000	1728.000	1739.000	66.217%	68.031%
σ		0.847%	10.340	3.665	1.624	5.948	3.670	1.044%	1.096%
%RSD		1.532	0.560	0.849	0.380	0.344	0.211	1.576	1.611

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:18	43.160	43.500	17.770	17.700	17.560	66.539%
2	03:39:01	44.060	43.870	17.770	17.670	17.530	67.954%
3	03:39:44	43.550	43.710	17.680	17.560	17.440	68.992%
x		43.590	43.700	17.740	17.640	17.510	67.828%
σ		0.450	0.186	0.052	0.074	0.064	1.232%
%RSD		1.031	0.425	0.295	0.419	0.363	1.816

500-51355-G-6-A 12/28/2012 3:41:56 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:39	52.687%	0.036	565.000	590.500	0.000	90910.000	58690.000	61940.000
2	03:43:22	52.444%	0.012	551.100	572.600	0.000	88530.000	58130.000	61690.000
3	03:44:05	51.712%	-0.000	553.300	596.900	0.000	89340.000	58420.000	62910.000
x		52.281%	0.016	556.500	586.700	0.000	89590.000	58410.000	62180.000
σ		0.507%	0.019	7.454	12.620	0.000	1211.000	281.000	646.600
%RSD		0.971	116.800	1.340	2.152	0.000	1.352	0.481	1.040
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:39	32.810	14080.000	0.000	3655.000	216600.000	232800.000	57.324%	4.359
2	03:43:22	31.060	13860.000	0.000	3653.000	215500.000	233400.000	55.379%	3.128
3	03:44:05	31.540	13890.000	0.000	3587.000	217100.000	234100.000	54.581%	2.923
x		31.800	13940.000	0.000	3632.000	216400.000	233400.000	55.761%	3.470
σ		0.907	121.000	0.000	38.760	843.900	631.400	1.411%	0.777
%RSD		2.852	0.868	0.000	1.067	0.390	0.271	2.530	22.380
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:39	0.676	0.382	267.300	17770.000	18090.000	0.563	-0.615	0.742
2	03:43:22	-1.636	0.354	274.500	18290.000	18580.000	0.532	-0.503	0.662
3	03:44:05	-0.275	0.246	272.500	18070.000	18320.000	0.528	-0.722	0.743
x		-0.412	0.327	271.400	18040.000	18330.000	0.541	-0.613	0.716
σ		1.162	0.072	3.705	258.200	245.700	0.019	0.109	0.046
%RSD		282.300	22.000	1.365	1.431	1.341	3.570	17.810	6.478
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:39	0.874	1.525	0.401	48.270	-0.419	0.599	0.000	455.300
2	03:43:22	0.897	1.660	1.327	49.500	-0.377	0.793	0.000	459.000
3	03:44:05	1.078	1.293	1.549	46.820	-0.675	0.117	0.000	454.100
x		0.949	1.493	1.092	48.200	-0.490	0.503	0.000	456.100
σ		0.112	0.185	0.609	1.342	0.161	0.348	0.000	2.552
%RSD		11.770	12.420	55.730	2.784	32.900	69.250	0.000	0.560
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:39	53.442%	3.732	3.834	51.051%	-0.009	-0.011	0.021	0.024
2	03:43:22	53.813%	2.596	2.782	51.592%	-0.003	-0.001	-0.092	-0.085
3	03:44:05	54.560%	2.006	2.271	51.920%	-0.001	-0.010	-0.055	-0.075
x		53.938%	2.778	2.962	51.521%	-0.004	-0.007	-0.042	-0.045
σ		0.569%	0.877	0.797	0.439%	0.004	0.006	0.058	0.060
%RSD		1.056	31.580	26.900	0.852	84.140	76.160	136.100	133.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:42:39	53.418%	9.904	0.269	0.323	318.600	318.500	64.009%	65.747%
2	03:43:22	54.674%	6.733	0.207	0.287	317.000	317.400	66.379%	67.368%
3	03:44:05	54.561%	5.596	0.180	0.197	319.600	319.300	66.252%	67.736%
x		54.218%	7.411	0.219	0.269	318.400	318.400	65.547%	66.951%
σ		0.695%	2.233	0.046	0.065	1.318	0.959	1.333%	1.058%
%RSD		1.281	30.130	21.080	23.990	0.414	0.301	2.034	1.581
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:42:39	0.247	0.217	0.244	0.264	0.246	62.689%		
2	03:43:22	0.151	0.168	0.216	0.225	0.212	64.590%		
3	03:44:05	0.147	0.121	0.243	0.249	0.231	64.885%		
x		0.181	0.168	0.234	0.246	0.230	64.055%		
σ		0.056	0.048	0.016	0.020	0.017	1.192%		
%RSD		31.100	28.570	6.741	8.106	7.444	1.861		

500-51355-G-6-A SD@5 12/28/2012 3:46:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:58	54.154%	0.001	122.700	130.300	0.000	17820.000	11870.000	12610.000
2	03:47:41	54.236%	0.001	125.600	129.900	0.000	18010.000	11680.000	12490.000
3	03:48:24	54.256%	-0.002	125.500	131.300	0.000	17960.000	11800.000	12590.000
x		54.215%	0.000	124.600	130.500	0.000	17930.000	11790.000	12560.000
σ		0.054%	0.002	1.629	0.762	0.000	97.070	98.960	67.150
%RSD		0.100	864.900	1.308	0.584	0.000	0.541	0.840	0.535
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:58	7.002	2841.000	0.000	704.400	42660.000	46440.000	59.428%	0.691
2	03:47:41	8.774	2812.000	0.000	701.200	41470.000	45990.000	59.969%	0.518
3	03:48:24	7.188	2806.000	0.000	715.900	42760.000	46370.000	59.891%	0.735
x		7.654	2820.000	0.000	707.200	42300.000	46270.000	59.763%	0.648
σ		0.974	18.720	0.000	7.710	719.900	242.000	0.293%	0.115
%RSD		12.720	0.664	0.000	1.090	1.702	0.523	0.490	17.750
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:58	-0.174	0.023	53.350	3633.000	3694.000	0.110	-0.147	0.156
2	03:47:41	-0.271	-0.010	52.530	3508.000	3613.000	0.088	-0.123	0.099
3	03:48:24	-0.050	0.007	53.830	3665.000	3699.000	0.111	-0.081	0.112
x		-0.165	0.007	53.240	3602.000	3669.000	0.103	-0.117	0.123
σ		0.111	0.016	0.661	82.980	48.050	0.013	0.033	0.030
%RSD		67.060	242.100	1.242	2.304	1.310	12.560	28.410	24.330
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:58	0.224	0.290	-0.081	11.040	-0.951	-0.038	0.000	89.320
2	03:47:41	0.222	0.206	0.014	11.110	-1.057	-0.193	0.000	88.220
3	03:48:24	0.223	0.200	-0.117	11.300	-0.862	-0.042	0.000	89.860
x		0.223	0.232	-0.061	11.150	-0.956	-0.091	0.000	89.130
σ		0.001	0.050	0.068	0.131	0.098	0.088	0.000	0.835
%RSD		0.439	21.690	110.800	1.175	10.210	96.630	0.000	0.937
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:58	55.276%	0.598	0.585	57.525%	-0.001	-0.002	0.002	-0.001
2	03:47:41	56.517%	0.557	0.564	58.450%	-0.006	-0.007	-0.103	-0.099
3	03:48:24	56.457%	0.524	0.566	58.826%	-0.002	-0.010	-0.003	-0.010
x		56.083%	0.560	0.572	58.267%	-0.003	-0.006	-0.034	-0.037
σ		0.700%	0.037	0.012	0.669%	0.003	0.004	0.059	0.054
%RSD		1.248	6.588	2.049	1.148	96.440	58.940	171.900	148.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:58	57.010%	0.456	0.068	0.081	61.000	60.690	66.039%	67.241%
2	03:47:41	59.129%	0.397	0.046	0.061	60.730	60.730	68.217%	69.198%
3	03:48:24	58.722%	0.348	0.066	0.072	61.250	60.750	68.021%	69.214%
x		58.287%	0.400	0.060	0.071	60.990	60.720	67.425%	68.551%
σ		1.125%	0.054	0.012	0.010	0.258	0.027	1.205%	1.134%
%RSD		1.930	13.540	19.970	14.220	0.423	0.045	1.787	1.654
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:46:58	0.041	0.034	0.062	0.051	0.060	73.828%		
2	03:47:41	0.041	0.030	0.053	0.042	0.050	75.890%		
3	03:48:24	0.044	0.036	0.046	0.057	0.043	76.175%		
x		0.042	0.033	0.054	0.050	0.051	75.298%		
σ		0.002	0.003	0.008	0.007	0.008	1.281%		
%RSD		4.992	8.227	15.320	14.850	16.530	1.701		

CCV 664806 12/28/2012 3:53:32 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:15	57.833%	98.180	99.820	100.900	0.000	47410.000	47670.000	49520.000
2	03:54:58	57.709%	99.900	99.410	102.200	0.000	46760.000	46510.000	49050.000
3	03:55:41	57.737%	100.100	100.900	100.900	0.000	47180.000	46800.000	49160.000
x		57.759%	99.382%	100.054%	101.337%	0.000	94.229%	93.984%	98.487%
σ		0.065%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.112	1.050	0.786	0.738	0.000	0.696	1.293	0.505
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:15	517.800	5222.000	0.000	47900.000	46590.000	50610.000	70.822%	94.460
2	03:54:58	519.600	5134.000	0.000	47740.000	47310.000	50040.000	71.826%	95.100
3	03:55:41	519.200	5157.000	0.000	47490.000	47150.000	50440.000	71.489%	95.920
x		103.772%	103.422%	0.000	95.419%	94.035%	100.727%	71.379%	95.163%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.511%	n/a
%RSD		0.180	0.884	0.000	0.431	0.811	0.585	0.716	0.768
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:15	95.220	95.770	518.200	26000.000	25710.000	91.740	92.370	94.490
2	03:54:58	96.120	94.980	511.300	25880.000	25360.000	92.010	92.080	93.510
3	03:55:41	94.420	93.870	509.400	25740.000	25580.000	92.970	92.880	93.240
x		95.252%	94.873%	102.592%	103.485%	102.198%	92.242%	92.447%	93.745%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.893	1.005	0.900	0.505	0.701	0.703	0.438	0.703
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:15	93.340	103.300	103.200	96.850	101.300	102.800	0.000	97.700
2	03:54:58	92.620	101.600	102.300	96.330	100.400	101.000	0.000	96.710
3	03:55:41	93.670	103.200	101.800	96.250	101.700	102.700	0.000	96.100
x		93.211%	102.693%	102.444%	96.477%	101.124%	102.134%	0.000	96.835%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.579	0.940	0.659	0.336	0.645	1.002	0.000	0.832
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:15	61.433%	93.900	94.170	61.940%	93.600	96.000	99.510	103.300
2	03:54:58	63.779%	96.450	96.030	63.452%	94.390	95.460	99.890	103.000
3	03:55:41	65.126%	97.420	97.040	64.674%	94.010	95.060	99.870	102.200
x		63.446%	95.921%	95.747%	63.355%	94.002%	95.507%	99.759%	102.819%
σ		1.869%	n/a	n/a	1.370%	n/a	n/a	n/a	n/a
%RSD		2.946	1.893	1.526	2.162	0.420	0.492	0.212	0.557
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:15	61.597%	98.070	100.600	99.870	95.880	96.530	63.550%	66.366%
2	03:54:58	64.380%	96.440	99.430	99.250	94.520	94.530	66.714%	69.309%
3	03:55:41	65.500%	98.650	99.050	99.730	94.910	95.270	68.575%	71.476%
x		63.826%	97.721%	99.688%	99.618%	95.106%	95.442%	66.280%	69.050%
σ		2.010%	n/a	n/a	n/a	n/a	n/a	2.541%	2.565%
%RSD		3.148	1.168	0.802	0.325	0.734	1.058	3.833	3.714
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:54:15	90.910	90.690	91.460	91.100	90.750	70.606%		
2	03:54:58	92.050	92.150	92.490	92.680	92.050	72.995%		
3	03:55:41	92.430	92.290	93.310	93.310	92.580	74.121%		
x		91.798%	91.709%	92.421%	92.367%	91.793%	72.574%		
σ		n/a	n/a	n/a	n/a	n/a	1.795%		
%RSD		0.861	0.963	1.004	1.233	1.026	2.473		

CCB12 12/28/2012 4:00:50 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:33	94.728%	0.003	3.202	3.452	0.000	7.018	3.806	3.380
2	04:02:16	92.477%	-0.000	3.215	3.224	0.000	6.985	3.446	3.648
3	04:02:59	92.269%	-0.005	2.818	3.223	0.000	6.928	3.670	3.739
x		93.158%	-0.001	3.078	3.299	0.000	6.977	3.641	3.589
σ		1.363%	0.004	0.226	0.132	0.000	0.045	0.182	0.187
%RSD		1.464	439.300	7.335	3.997	0.000	0.652	4.991	5.197
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:33	1.239	-4.574	0.000	-16.270	22.080	20.960	101.102%	-0.132
2	04:02:16	1.249	-4.459	0.000	-15.570	19.590	19.160	98.582%	-0.036
3	04:02:59	1.199	-4.633	0.000	-16.700	19.390	18.410	99.300%	-0.055
x		1.229	-4.555	0.000	-16.180	20.350	19.510	99.661%	-0.074
σ		0.026	0.088	0.000	0.569	1.498	1.313	1.298%	0.051
%RSD		2.134	1.943	0.000	3.516	7.359	6.729	1.302	68.320
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:33	0.003	-0.081	0.190	-17.410	9.965	-0.001	0.033	-0.015
2	04:02:16	-0.012	-0.119	0.219	-21.220	7.913	0.003	0.027	-0.004
3	04:02:59	0.009	-0.112	0.200	-23.790	5.175	-0.000	0.022	-0.012
x		0.000	-0.104	0.203	-20.810	7.684	0.001	0.027	-0.010
σ		0.011	0.021	0.015	3.210	2.403	0.002	0.006	0.006
%RSD		7577.000	19.740	7.351	15.430	31.270	369.800	20.530	56.750
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:33	-0.002	2.242	1.948	-0.540	-1.309	-2.071	0.000	0.029
2	04:02:16	-0.001	2.066	1.942	-0.500	-1.296	-2.132	0.000	0.030
3	04:02:59	0.008	2.034	2.057	-0.405	-1.573	-1.786	0.000	0.029
x		0.002	2.114	1.983	-0.481	-1.393	-1.996	0.000	0.029
σ		0.006	0.112	0.064	0.070	0.156	0.185	0.000	0.001
%RSD		326.800	5.298	3.249	14.440	11.230	9.248	0.000	2.395
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:33	80.980%	0.275	0.262	88.981%	-0.004	0.000	-0.168	-0.124
2	04:02:16	82.035%	0.227	0.246	88.901%	0.001	-0.006	-0.194	-0.137
3	04:02:59	82.473%	0.172	0.192	88.827%	-0.004	-0.001	-0.138	-0.101
x		81.829%	0.225	0.233	88.903%	-0.002	-0.002	-0.167	-0.121
σ		0.767%	0.051	0.036	0.077%	0.003	0.003	0.028	0.018
%RSD		0.938	22.800	15.590	0.087	128.900	139.600	17.010	15.060
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:33	82.334%	-0.056	0.034	0.023	0.021	0.013	84.198%	85.142%
2	04:02:16	84.363%	-0.122	0.008	0.022	0.000	0.022	85.687%	87.139%
3	04:02:59	84.128%	-0.166	0.014	0.022	0.031	0.015	86.986%	87.561%
x		83.609%	-0.115	0.019	0.023	0.018	0.017	85.624%	86.614%
σ		1.110%	0.055	0.013	0.001	0.016	0.004	1.395%	1.292%
%RSD		1.327	48.350	71.230	2.934	90.180	26.780	1.630	1.492
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:01:33	0.012	0.012	0.068	0.065	0.061	86.671%		
2	04:02:16	0.010	0.008	0.059	0.048	0.053	88.592%		
3	04:02:59	0.013	0.011	0.045	0.051	0.044	88.437%		
x		0.012	0.010	0.057	0.055	0.053	87.900%		
σ		0.002	0.002	0.011	0.009	0.009	1.067%		
%RSD		17.010	19.550	19.960	16.390	16.160	1.214		

500-51355-G-6-B MS 12/28/2012 4:05:12 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:55	45.526%	44.140	1399.000	1457.000	0.000	139200.000	106400.000	112300.000
2	04:06:38	44.815%	42.970	1366.000	1457.000	0.000	137800.000	105900.000	113200.000
3	04:07:21	43.695%	42.730	1435.000	1503.000	0.000	137900.000	105700.000	112300.000
x		44.679%	43.280	1400.000	1472.000	0.000	138300.000	106000.000	112600.000
σ		0.923%	0.756	34.440	26.540	0.000	769.900	401.900	512.600
%RSD		2.067	1.748	2.460	1.803	0.000	0.557	0.379	0.455

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:55	1987.000	23680.000	0.000	49750.000	272200.000	287800.000	52.949%	944.200
2	04:06:38	2010.000	23510.000	0.000	48360.000	265100.000	287000.000	52.667%	929.400
3	04:07:21	1986.000	23290.000	0.000	49130.000	270000.000	290200.000	50.886%	942.700
x		1995.000	23490.000	0.000	49080.000	269100.000	288300.000	52.167%	938.800
σ		13.530	192.700	0.000	698.100	3620.000	1679.000	1.119%	8.151
%RSD		0.678	0.820	0.000	1.422	1.345	0.582	2.144	0.868

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:55	476.800	184.600	769.500	18680.000	19330.000	434.700	416.300	208.800
2	04:06:38	476.700	183.400	762.700	18500.000	19260.000	432.100	413.600	206.900
3	04:07:21	480.000	186.300	771.200	18660.000	19280.000	434.400	416.100	207.000
x		477.800	184.800	767.800	18610.000	19290.000	433.700	415.300	207.600
σ		1.839	1.468	4.468	99.800	33.560	1.412	1.519	1.100
%RSD		0.385	0.794	0.582	0.536	0.174	0.326	0.366	0.530

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:55	206.500	400.300	396.800	77.760	7.000	8.525	0.000	1377.000
2	04:06:38	204.700	399.300	400.400	77.930	6.926	7.951	0.000	1377.000
3	04:07:21	203.200	398.900	398.500	75.820	7.430	9.011	0.000	1345.000
x		204.800	399.500	398.600	77.170	7.119	8.496	0.000	1366.000
σ		1.641	0.765	1.772	1.174	0.272	0.531	0.000	18.360
%RSD		0.801	0.192	0.445	1.521	3.821	6.246	0.000	1.344

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:55	52.770%	927.300	945.600	49.403%	43.300	43.750	42.860	40.100
2	04:06:38	52.642%	934.000	950.500	49.502%	42.870	43.890	42.880	41.010
3	04:07:21	53.150%	931.900	950.400	49.135%	43.110	44.180	44.020	40.810
x		52.854%	931.100	948.900	49.347%	43.100	43.940	43.250	40.640
σ		0.265%	3.445	2.786	0.190%	0.217	0.220	0.662	0.480
%RSD		0.501	0.370	0.294	0.385	0.504	0.501	1.530	1.180

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:55	53.072%	1848.000	429.600	425.900	2041.000	2058.000	63.646%	65.180%
2	04:06:38	53.497%	1851.000	430.800	428.600	2035.000	2046.000	65.543%	66.255%
3	04:07:21	53.171%	1860.000	430.100	428.100	2056.000	2047.000	65.058%	66.547%
x		53.247%	1853.000	430.200	427.500	2044.000	2050.000	64.749%	65.994%
σ		0.222%	6.275	0.637	1.437	10.740	6.425	0.986%	0.720%
%RSD		0.417	0.339	0.148	0.336	0.526	0.313	1.522	1.092

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:55	44.800	44.860	18.120	18.210	18.180	60.762%
2	04:06:38	44.960	45.340	18.360	18.310	18.240	62.074%
3	04:07:21	45.150	45.210	18.220	18.510	18.360	62.294%
x		44.970	45.140	18.240	18.340	18.260	61.710%
σ		0.178	0.246	0.121	0.152	0.090	0.828%
%RSD		0.396	0.545	0.662	0.826	0.493	1.342

500-51355-G-6-C MSD 12/28/2012 4:09:32 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:15	46.323%	42.860	1416.000	1471.000	0.000	134500.000	104200.000	110700.000
2	04:10:58	44.623%	43.170	1423.000	1481.000	0.000	137100.000	105400.000	112600.000
3	04:11:41	45.203%	41.570	1335.000	1454.000	0.000	135100.000	103800.000	110800.000
x		45.383%	42.540	1391.000	1469.000	0.000	135500.000	104500.000	111400.000
σ		0.864%	0.848	49.030	14.040	0.000	1352.000	826.600	1099.000
%RSD		1.904	1.994	3.524	0.956	0.000	0.998	0.791	0.987
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:15	1956.000	23350.000	0.000	48380.000	269600.000	287000.000	52.542%	943.700
2	04:10:58	1981.000	23530.000	0.000	48390.000	270300.000	288600.000	50.813%	924.200
3	04:11:41	1924.000	22830.000	0.000	47430.000	266200.000	285200.000	49.994%	951.300
x		1953.000	23240.000	0.000	48070.000	268700.000	287000.000	51.116%	939.700
σ		28.310	365.200	0.000	554.400	2184.000	1717.000	1.301%	13.990
%RSD		1.449	1.572	0.000	1.153	0.813	0.598	2.545	1.488
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:15	475.700	185.400	765.400	18560.000	19330.000	431.400	414.600	207.000
2	04:10:58	471.200	184.800	761.000	18940.000	19490.000	430.300	409.900	205.000
3	04:11:41	483.900	187.600	763.400	18800.000	19480.000	433.800	410.100	206.900
x		476.900	186.000	763.300	18770.000	19430.000	431.800	411.600	206.300
σ		6.482	1.486	2.190	196.200	89.110	1.779	2.678	1.083
%RSD		1.359	0.799	0.287	1.045	0.459	0.412	0.651	0.525
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:15	207.800	398.300	401.300	77.810	6.782	8.183	0.000	1353.000
2	04:10:58	206.200	402.900	400.300	78.350	6.940	8.405	0.000	1348.000
3	04:11:41	204.600	397.900	397.400	76.820	7.318	8.312	0.000	1345.000
x		206.200	399.700	399.700	77.660	7.014	8.300	0.000	1349.000
σ		1.600	2.788	2.061	0.774	0.275	0.112	0.000	4.052
%RSD		0.776	0.698	0.516	0.997	3.927	1.343	0.000	0.300
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:15	52.138%	923.500	939.200	48.786%	42.780	43.850	43.450	40.750
2	04:10:58	52.457%	928.900	947.700	48.897%	42.770	43.120	42.840	38.860
3	04:11:41	52.115%	920.700	940.200	48.576%	43.130	43.840	42.530	40.780
x		52.237%	924.400	942.400	48.753%	42.890	43.600	42.940	40.130
σ		0.191%	4.157	4.653	0.163%	0.207	0.420	0.468	1.101
%RSD		0.366	0.450	0.494	0.334	0.482	0.963	1.089	2.743
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:15	51.887%	1842.000	430.800	428.600	2031.000	2041.000	62.901%	64.392%
2	04:10:58	53.023%	1838.000	426.400	422.900	2022.000	2028.000	64.414%	66.058%
3	04:11:41	52.666%	1842.000	428.000	424.800	2011.000	2028.000	64.521%	66.247%
x		52.525%	1841.000	428.400	425.400	2022.000	2032.000	63.946%	65.566%
σ		0.581%	2.126	2.267	2.936	10.000	7.323	0.906%	1.021%
%RSD		1.106	0.116	0.529	0.690	0.495	0.360	1.416	1.557
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:10:15	44.780	45.020	18.470	18.130	18.250	59.541%		
2	04:10:58	44.560	44.490	17.950	18.010	18.040	61.407%		
3	04:11:41	44.560	44.650	18.340	18.010	18.190	61.480%		
x		44.630	44.720	18.250	18.050	18.160	60.810%		
σ		0.125	0.272	0.275	0.067	0.109	1.099%		
%RSD		0.280	0.607	1.508	0.372	0.600	1.807		

180-15519-A-5-A 12/28/2012 4:13:53 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:36	53.902%	0.017	50.450	54.370	0.000	8247.000	9903.000	10650.000
2	04:15:19	53.655%	-0.001	45.740	48.800	0.000	8077.000	9802.000	10540.000
3	04:16:01	55.813%	-0.014	41.010	43.760	0.000	7900.000	9688.000	10360.000
x		54.457%	0.000	45.730	48.980	0.000	8075.000	9798.000	10520.000
σ		1.181%	0.016	4.721	5.310	0.000	173.300	107.300	145.600
%RSD		2.168	3976.000	10.320	10.840	0.000	2.147	1.095	1.385

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:36	13.690	20570.000	0.000	2225.000	35490.000	38630.000	56.327%	3.681
2	04:15:19	13.200	20370.000	0.000	2204.000	35990.000	38540.000	55.410%	2.893
3	04:16:01	12.810	20150.000	0.000	2198.000	35810.000	38380.000	54.622%	2.427
x		13.230	20360.000	0.000	2209.000	35760.000	38520.000	55.453%	3.000
σ		0.438	207.700	0.000	14.160	253.900	128.800	0.854%	0.634
%RSD		3.307	1.020	0.000	0.641	0.710	0.334	1.539	21.130

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:36	0.329	0.393	75.540	5354.000	5259.000	0.389	0.451	0.240
2	04:15:19	0.679	0.361	75.420	5353.000	5267.000	0.372	0.389	0.249
3	04:16:01	-1.160	0.385	76.600	5339.000	5302.000	0.367	0.305	0.282
x		-0.050	0.380	75.850	5348.000	5276.000	0.376	0.382	0.257
σ		0.976	0.017	0.647	8.441	22.710	0.012	0.073	0.022
%RSD		1934.000	4.434	0.854	0.158	0.430	3.120	19.060	8.702

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:36	0.316	0.154	0.311	40.840	-0.759	-1.069	0.000	111.300
2	04:15:19	0.251	0.196	0.072	41.350	-0.698	-0.024	0.000	111.000
3	04:16:01	0.248	0.310	0.226	40.730	-0.945	0.375	0.000	110.000
x		0.272	0.220	0.203	40.970	-0.801	-0.239	0.000	110.800
σ		0.038	0.081	0.121	0.329	0.129	0.746	0.000	0.711
%RSD		14.090	36.780	59.790	0.802	16.090	311.600	0.000	0.642

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:36	52.906%	9.197	9.192	55.196%	0.000	0.000	-0.073	-0.054
2	04:15:19	53.562%	8.158	8.198	55.077%	-0.009	-0.014	-0.079	-0.052
3	04:16:01	53.700%	7.538	7.634	55.175%	-0.001	-0.008	-0.078	-0.074
x		53.389%	8.298	8.341	55.149%	-0.003	-0.007	-0.077	-0.060
σ		0.424%	0.839	0.789	0.063%	0.005	0.007	0.003	0.012
%RSD		0.795	10.110	9.459	0.115	168.800	96.200	4.224	20.010

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:36	55.293%	8.692	0.318	0.321	78.030	79.320	64.302%	66.328%
2	04:15:19	55.542%	6.094	0.266	0.311	79.310	79.560	66.491%	68.050%
3	04:16:01	56.443%	5.099	0.195	0.201	77.860	79.230	66.687%	68.166%
x		55.759%	6.628	0.260	0.278	78.400	79.370	65.827%	67.514%
σ		0.605%	1.855	0.062	0.067	0.789	0.173	1.324%	1.029%
%RSD		1.085	27.990	23.840	23.950	1.007	0.218	2.012	1.525

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:14:36	0.225	0.209	0.124	0.125	0.122	71.555%
2	04:15:19	0.149	0.157	0.135	0.134	0.124	72.731%
3	04:16:01	0.137	0.124	0.096	0.100	0.109	73.246%
x		0.170	0.163	0.118	0.120	0.118	72.511%
σ		0.047	0.043	0.020	0.018	0.008	0.867%
%RSD		27.890	26.360	16.900	14.890	7.029	1.196

180-15519-A-10-A 12/28/2012 4:18:13 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:56	58.158%	0.019	32.210	34.870	0.000	7312.000	10330.000	11050.000
2	04:19:39	58.615%	-0.004	30.580	32.880	0.000	7152.000	10200.000	11050.000
3	04:20:22	56.928%	0.011	30.070	31.680	0.000	7169.000	10290.000	10940.000
x		57.900%	0.009	30.950	33.140	0.000	7211.000	10280.000	11010.000
σ		0.873%	0.012	1.115	1.610	0.000	87.980	69.060	63.880
%RSD		1.507	131.000	3.604	4.858	0.000	1.220	0.672	0.580
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:56	57.210	800.500	0.000	1632.000	30070.000	32490.000	59.216%	1.467
2	04:19:39	57.590	805.000	0.000	1626.000	30370.000	32520.000	57.296%	1.736
3	04:20:22	58.270	802.700	0.000	1619.000	30460.000	26290.000	56.579%	1.638
x		57.690	802.700	0.000	1626.000	30300.000	30430.000	57.697%	1.614
σ		0.536	2.264	0.000	6.455	205.000	3585.000	1.363%	0.136
%RSD		0.930	0.282	0.000	0.397	0.677	11.780	2.363	8.433
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:56	2.110	0.724	9.269	67.130	210.300	0.075	0.310	0.639
2	04:19:39	1.364	0.694	9.205	61.070	197.400	0.071	0.352	0.613
3	04:20:22	1.380	0.613	9.317	59.490	192.400	0.076	0.234	0.618
x		1.618	0.677	9.264	62.570	200.000	0.074	0.298	0.624
σ		0.426	0.057	0.056	4.035	9.210	0.003	0.060	0.014
%RSD		26.340	8.490	0.606	6.450	4.604	3.588	20.130	2.172
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:56	0.652	1.681	1.440	0.461	-0.783	-0.394	0.000	109.100
2	04:19:39	0.689	1.425	1.542	0.598	-1.029	-0.216	0.000	110.200
3	04:20:22	0.747	1.413	1.326	0.477	-0.856	0.128	0.000	107.400
x		0.696	1.506	1.436	0.512	-0.889	-0.161	0.000	108.900
σ		0.048	0.152	0.108	0.075	0.126	0.265	0.000	1.387
%RSD		6.877	10.060	7.530	14.600	14.190	164.900	0.000	1.274
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:56	54.993%	2.129	2.290	57.274%	-0.009	-0.005	-0.087	-0.062
2	04:19:39	54.709%	2.156	2.148	57.239%	-0.009	-0.011	-0.097	-0.084
3	04:20:22	55.530%	2.038	2.115	56.773%	-0.009	-0.010	-0.077	-0.045
x		55.078%	2.108	2.184	57.095%	-0.009	-0.009	-0.087	-0.064
σ		0.417%	0.062	0.093	0.280%	0.000	0.003	0.010	0.019
%RSD		0.757	2.923	4.269	0.490	5.430	39.640	11.760	30.190
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:56	55.703%	3.388	0.301	0.339	18.430	18.880	65.589%	66.780%
2	04:19:39	56.869%	3.171	0.340	0.314	18.150	18.940	66.749%	68.252%
3	04:20:22	56.960%	2.947	0.246	0.244	18.190	18.860	66.997%	68.645%
x		56.511%	3.169	0.296	0.299	18.260	18.890	66.445%	67.892%
σ		0.701%	0.221	0.047	0.049	0.150	0.043	0.752%	0.983%
%RSD		1.241	6.969	15.960	16.530	0.820	0.228	1.131	1.448
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:18:56	0.099	0.094	0.254	0.260	0.265	70.959%		
2	04:19:39	0.078	0.082	0.228	0.253	0.250	72.403%		
3	04:20:22	0.068	0.078	0.262	0.268	0.260	73.672%		
x		0.082	0.085	0.248	0.261	0.258	72.345%		
σ		0.016	0.008	0.018	0.007	0.007	1.357%		
%RSD		19.240	9.732	7.194	2.820	2.839	1.876		

180-15519-A-15-A 12/28/2012 4:22:34 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:17	56.770%	-0.006	30.110	30.710	0.000	7533.000	10780.000	11360.000
2	04:24:00	55.148%	0.016	28.840	30.750	0.000	7224.000	10620.000	11310.000
3	04:24:43	56.498%	0.012	28.190	29.340	0.000	7281.000	10460.000	11200.000
x		56.139%	0.007	29.050	30.270	0.000	7346.000	10620.000	11290.000
σ		0.869%	0.012	0.975	0.803	0.000	164.300	162.100	80.870
%RSD		1.548	159.900	3.355	2.652	0.000	2.237	1.527	0.716

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:17	46.920	765.600	0.000	1629.000	30970.000	33560.000	57.882%	1.238
2	04:24:00	46.600	758.800	0.000	1682.000	30980.000	33500.000	56.240%	1.486
3	04:24:43	45.670	743.300	0.000	1613.000	30200.000	33200.000	56.275%	1.562
x		46.400	755.900	0.000	1642.000	30720.000	33420.000	56.799%	1.428
σ		0.651	11.440	0.000	36.090	447.900	193.600	0.938%	0.170
%RSD		1.403	1.514	0.000	2.198	1.458	0.579	1.652	11.870

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:17	0.995	0.730	8.677	48.990	194.900	0.068	0.222	0.655
2	04:24:00	0.137	0.693	8.988	49.530	194.600	0.058	0.178	0.623
3	04:24:43	0.421	0.702	8.708	49.220	191.300	0.061	0.265	0.623
x		0.517	0.708	8.791	49.240	193.600	0.062	0.222	0.634
σ		0.437	0.019	0.172	0.269	1.998	0.005	0.043	0.018
%RSD		84.470	2.704	1.953	0.546	1.032	7.804	19.470	2.896

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:17	0.669	0.901	0.534	0.285	-1.011	-0.343	0.000	109.900
2	04:24:00	0.710	0.687	1.015	0.678	-0.925	0.306	0.000	111.800
3	04:24:43	0.753	0.763	0.800	0.412	-0.849	-0.012	0.000	110.800
x		0.711	0.784	0.783	0.459	-0.928	-0.016	0.000	110.800
σ		0.042	0.109	0.241	0.201	0.081	0.325	0.000	0.993
%RSD		5.931	13.860	30.740	43.770	8.749	1968.000	0.000	0.896

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:17	54.564%	1.807	1.865	56.603%	-0.004	-0.005	-0.046	-0.011
2	04:24:00	54.331%	1.902	1.821	56.580%	-0.009	-0.005	-0.114	-0.072
3	04:24:43	54.538%	1.879	1.776	56.469%	-0.003	0.005	-0.072	-0.063
x		54.478%	1.863	1.821	56.550%	-0.006	-0.001	-0.077	-0.048
σ		0.128%	0.050	0.045	0.072%	0.003	0.006	0.034	0.033
%RSD		0.235	2.667	2.452	0.127	57.270	409.700	44.230	67.560

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:17	55.144%	2.538	0.295	0.255	18.630	18.800	64.568%	66.317%
2	04:24:00	56.083%	2.644	0.255	0.270	19.020	18.740	66.602%	68.625%
3	04:24:43	56.415%	2.412	0.232	0.227	18.620	18.600	66.808%	68.668%
x		55.881%	2.532	0.261	0.251	18.760	18.710	65.993%	67.870%
σ		0.659%	0.116	0.032	0.022	0.227	0.103	1.238%	1.345%
%RSD		1.180	4.590	12.180	8.690	1.208	0.551	1.876	1.982

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:17	0.054	0.048	0.244	0.207	0.226	70.946%
2	04:24:00	0.046	0.046	0.223	0.217	0.220	72.730%
3	04:24:43	0.053	0.044	0.232	0.228	0.216	73.025%
x		0.051	0.046	0.233	0.217	0.221	72.234%
σ		0.004	0.002	0.010	0.010	0.005	1.125%
%RSD		8.468	3.789	4.376	4.742	2.394	1.557

180-15519-A-20-A 12/28/2012 4:26:56 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:39	56.296%	0.003	48.090	51.120	0.000	7292.000	5422.000	5718.000
2	04:28:22	54.363%	0.014	47.620	50.170	0.000	7153.000	5433.000	5701.000
3	04:29:05	54.465%	-0.008	48.120	49.620	0.000	7174.000	5454.000	5716.000
x		55.041%	0.003	47.940	50.300	0.000	7206.000	5436.000	5712.000
σ		1.088%	0.011	0.279	0.759	0.000	74.840	15.990	8.991
%RSD		1.976	355.800	0.582	1.510	0.000	1.039	0.294	0.157
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:39	123.400	18350.000	0.000	2215.000	24820.000	26330.000	55.258%	5.386
2	04:28:22	122.200	18290.000	0.000	2103.000	24480.000	26040.000	54.166%	4.604
3	04:29:05	122.600	18270.000	0.000	2106.000	23950.000	25730.000	53.121%	4.986
x		122.700	18300.000	0.000	2141.000	24420.000	26030.000	54.182%	4.992
σ		0.609	44.470	0.000	63.630	441.200	297.600	1.069%	0.391
%RSD		0.496	0.243	0.000	2.971	1.807	1.143	1.972	7.831
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:39	-0.118	0.982	53.760	619.000	728.100	0.369	0.609	0.429
2	04:28:22	0.514	0.930	53.870	621.500	713.200	0.363	0.645	0.410
3	04:29:05	-0.188	0.875	54.420	609.600	705.900	0.344	0.669	0.468
x		0.069	0.929	54.020	616.700	715.700	0.359	0.641	0.436
σ		0.387	0.053	0.355	6.309	11.290	0.013	0.030	0.029
%RSD		557.400	5.735	0.657	1.023	1.577	3.706	4.726	6.732
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:39	0.488	2.667	2.497	19.560	-1.138	-0.399	0.000	75.300
2	04:28:22	0.451	2.548	2.581	18.650	-1.020	-0.868	0.000	74.970
3	04:29:05	0.437	2.718	2.418	19.650	-1.022	1.072	0.000	75.250
x		0.459	2.644	2.499	19.290	-1.060	-0.065	0.000	75.170
σ		0.027	0.087	0.081	0.553	0.068	1.012	0.000	0.177
%RSD		5.799	3.304	3.248	2.867	6.392	1556.000	0.000	0.236
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:39	52.442%	28.830	29.030	55.230%	-0.004	-0.008	-0.012	0.010
2	04:28:22	52.426%	28.830	29.120	54.816%	-0.010	0.001	-0.071	-0.079
3	04:29:05	52.144%	29.280	29.440	54.317%	-0.005	-0.008	-0.110	-0.110
x		52.337%	28.980	29.200	54.788%	-0.006	-0.005	-0.065	-0.060
σ		0.168%	0.260	0.220	0.457%	0.003	0.005	0.049	0.062
%RSD		0.320	0.899	0.752	0.834	54.340	107.400	76.500	103.700
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:27:39	54.665%	2.395	0.129	0.129	31.760	32.990	63.792%	65.480%
2	04:28:22	55.165%	2.255	0.117	0.133	32.490	32.500	64.855%	66.676%
3	04:29:05	54.083%	2.253	0.110	0.167	32.370	33.150	65.555%	67.338%
x		54.637%	2.301	0.119	0.143	32.210	32.880	64.734%	66.498%
σ		0.542%	0.081	0.009	0.021	0.396	0.339	0.887%	0.941%
%RSD		0.992	3.524	7.868	14.820	1.228	1.030	1.371	1.416
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:27:39	0.039	0.028	1.047	1.047	1.023	70.941%		
2	04:28:22	0.032	0.027	1.046	0.977	1.015	72.057%		
3	04:29:05	0.031	0.025	1.029	1.010	1.022	72.404%		
x		0.034	0.027	1.041	1.011	1.020	71.801%		
σ		0.004	0.001	0.010	0.035	0.004	0.765%		
%RSD		12.720	4.287	0.962	3.442	0.401	1.065		

180-15519-A-25-A 12/28/2012 4:31:18 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:01	56.343%	0.027	27.790	28.590	0.000	7546.000	10780.000	11580.000
2	04:32:44	56.164%	-0.017	26.010	27.720	0.000	7389.000	10880.000	11660.000
3	04:33:27	54.809%	-0.005	27.600	29.080	0.000	7701.000	11140.000	11700.000
x		55.772%	0.001	27.140	28.460	0.000	7545.000	10930.000	11650.000
σ		0.839%	0.023	0.980	0.692	0.000	156.300	187.300	64.850
%RSD		1.504	1581.000	3.610	2.430	0.000	2.071	1.713	0.557

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:01	63.140	824.600	0.000	1696.000	31850.000	34540.000	56.022%	1.803
2	04:32:44	63.750	815.000	0.000	1671.000	31880.000	34840.000	55.094%	1.498
3	04:33:27	63.350	820.200	0.000	1705.000	31790.000	34700.000	55.452%	1.576
x		63.420	819.900	0.000	1691.000	31840.000	34690.000	55.523%	1.625
σ		0.310	4.806	0.000	17.660	47.780	151.100	0.468%	0.159
%RSD		0.489	0.586	0.000	1.045	0.150	0.436	0.843	9.749

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:01	1.159	0.697	9.658	67.480	209.300	0.064	0.270	0.667
2	04:32:44	-0.353	0.741	9.796	68.680	213.000	0.075	0.308	0.679
3	04:33:27	1.260	0.657	9.702	64.560	208.100	0.074	0.240	0.644
x		0.689	0.698	9.719	66.910	210.100	0.071	0.273	0.663
σ		0.903	0.042	0.070	2.118	2.518	0.006	0.034	0.018
%RSD		131.200	5.992	0.724	3.165	1.198	8.357	12.480	2.645

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:01	0.736	1.351	1.552	0.072	-0.980	-0.181	0.000	114.900
2	04:32:44	0.702	1.383	1.182	0.630	-0.926	-0.891	0.000	114.400
3	04:33:27	0.750	1.152	1.445	0.543	-0.890	-0.803	0.000	115.200
x		0.729	1.295	1.393	0.415	-0.932	-0.625	0.000	114.900
σ		0.025	0.125	0.191	0.300	0.045	0.387	0.000	0.415
%RSD		3.451	9.664	13.680	72.390	4.831	61.980	0.000	0.361

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:01	53.292%	1.963	1.821	55.314%	-0.004	-0.011	0.029	0.003
2	04:32:44	53.946%	1.881	1.828	55.944%	-0.004	-0.010	-0.067	-0.036
3	04:33:27	54.262%	1.934	1.810	55.869%	-0.011	0.003	-0.107	-0.088
x		53.833%	1.926	1.820	55.709%	-0.006	-0.006	-0.048	-0.041
σ		0.495%	0.041	0.009	0.344%	0.004	0.007	0.070	0.046
%RSD		0.919	2.146	0.497	0.618	64.340	124.700	145.100	112.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:01	54.150%	1.898	0.225	0.234	19.600	19.520	64.597%	65.670%
2	04:32:44	55.231%	1.852	0.272	0.232	19.560	19.590	65.538%	67.337%
3	04:33:27	56.024%	1.754	0.263	0.225	18.560	19.860	66.565%	68.189%
x		55.135%	1.835	0.253	0.230	19.240	19.650	65.566%	67.066%
σ		0.941%	0.073	0.025	0.005	0.588	0.179	0.984%	1.281%
%RSD		1.706	4.003	9.859	1.992	3.055	0.912	1.501	1.910

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:01	0.027	0.019	0.252	0.250	0.233	70.857%
2	04:32:44	0.032	0.029	0.235	0.247	0.239	72.485%
3	04:33:27	0.033	0.024	0.247	0.217	0.230	72.955%
x		0.031	0.024	0.245	0.238	0.234	72.099%
σ		0.003	0.005	0.008	0.018	0.004	1.101%
%RSD		10.500	21.780	3.454	7.672	1.879	1.527

180-15519-A-30-A 12/28/2012 4:35:40 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:23	56.388%	0.003	25.950	27.450	0.000	7660.000	10930.000	11600.000
2	04:37:06	56.613%	-0.015	25.200	27.000	0.000	7718.000	10920.000	11610.000
3	04:37:49	55.424%	0.007	25.580	27.250	0.000	7528.000	10870.000	11420.000
x		56.142%	-0.002	25.580	27.230	0.000	7635.000	10910.000	11540.000
σ		0.632%	0.011	0.374	0.224	0.000	97.130	33.980	107.300
%RSD		1.126	718.000	1.463	0.821	0.000	1.272	0.312	0.930

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:23	77.220	851.400	0.000	1642.000	32020.000	35080.000	56.445%	1.897
2	04:37:06	76.620	847.300	0.000	1608.000	31650.000	34260.000	55.407%	1.756
3	04:37:49	75.460	836.000	0.000	1587.000	31280.000	34000.000	55.148%	1.373
x		76.430	844.900	0.000	1612.000	31650.000	34450.000	55.666%	1.675
σ		0.896	7.980	0.000	28.080	371.100	562.900	0.686%	0.271
%RSD		1.172	0.944	0.000	1.742	1.173	1.634	1.233	16.180

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:23	0.842	0.681	8.630	81.830	229.700	0.098	0.234	0.654
2	04:37:06	1.307	0.608	8.667	78.140	219.400	0.073	0.259	0.636
3	04:37:49	0.514	0.676	8.621	77.850	216.400	0.062	0.349	0.692
x		0.888	0.655	8.640	79.270	221.800	0.077	0.280	0.661
σ		0.398	0.041	0.024	2.221	6.970	0.019	0.061	0.028
%RSD		44.850	6.258	0.280	2.801	3.142	24.040	21.600	4.289

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:23	0.701	0.465	0.604	0.043	-0.889	-0.972	0.000	112.700
2	04:37:06	0.778	0.681	0.444	-0.130	-0.697	-0.440	0.000	112.100
3	04:37:49	0.752	0.429	0.366	0.669	-0.908	-0.303	0.000	112.700
x		0.744	0.525	0.472	0.194	-0.831	-0.572	0.000	112.500
σ		0.039	0.136	0.121	0.420	0.117	0.353	0.000	0.348
%RSD		5.294	25.880	25.720	216.700	14.060	61.840	0.000	0.310

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:23	53.806%	1.730	1.655	56.268%	-0.001	-0.012	-0.053	-0.048
2	04:37:06	54.015%	1.614	1.638	56.392%	-0.001	-0.011	-0.078	-0.046
3	04:37:49	53.940%	1.568	1.672	55.941%	-0.004	-0.002	-0.076	-0.058
x		53.920%	1.637	1.655	56.200%	-0.002	-0.008	-0.069	-0.051
σ		0.106%	0.084	0.017	0.233%	0.002	0.005	0.014	0.006
%RSD		0.196	5.119	1.033	0.415	106.700	66.150	19.780	11.880

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:23	55.204%	1.439	0.249	0.222	19.310	18.910	64.759%	65.973%
2	04:37:06	55.491%	1.598	0.248	0.252	19.350	19.540	65.769%	67.404%
3	04:37:49	56.489%	1.583	0.262	0.275	19.530	19.320	66.279%	67.817%
x		55.728%	1.540	0.253	0.250	19.390	19.250	65.602%	67.065%
σ		0.674%	0.088	0.008	0.027	0.117	0.320	0.773%	0.968%
%RSD		1.210	5.704	3.060	10.620	0.603	1.663	1.179	1.443

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:36:23	0.017	0.032	0.252	0.266	0.264	71.101%
2	04:37:06	0.024	0.033	0.253	0.263	0.255	72.242%
3	04:37:49	0.037	0.030	0.235	0.235	0.237	72.861%
x		0.026	0.032	0.247	0.255	0.252	72.068%
σ		0.010	0.002	0.010	0.017	0.014	0.893%
%RSD		39.470	5.307	4.130	6.697	5.476	1.239

180-15519-A-34-A 12/28/2012 4:40:03 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:46	57.388%	-0.009	4.687	4.464	0.000	11.150	2.489	2.995
2	04:41:29	57.465%	-0.003	3.909	4.583	0.000	10.800	2.466	2.724
3	04:42:12	56.457%	-0.015	3.597	4.712	0.000	11.030	2.686	2.870
x		57.103%	-0.009	4.064	4.586	0.000	10.990	2.547	2.863
σ		0.561%	0.006	0.562	0.124	0.000	0.176	0.121	0.136
%RSD		0.983	62.800	13.820	2.698	0.000	1.597	4.750	4.732
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:46	21.050	32.490	0.000	-7.919	25.760	22.440	57.971%	0.277
2	04:41:29	20.770	31.900	0.000	-9.505	14.260	20.700	56.222%	0.213
3	04:42:12	21.300	31.430	0.000	-9.462	19.280	21.200	55.919%	0.238
x		21.040	31.940	0.000	-8.962	19.770	21.450	56.704%	0.242
σ		0.268	0.535	0.000	0.904	5.766	0.896	1.108%	0.032
%RSD		1.275	1.676	0.000	10.080	29.170	4.178	1.954	13.140
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:46	0.262	0.393	0.197	-15.620	0.239	-0.009	0.019	0.115
2	04:41:29	-0.380	0.388	0.205	-15.730	-0.142	-0.008	0.072	0.130
3	04:42:12	-0.588	0.370	0.168	-15.710	1.169	-0.003	0.008	0.134
x		-0.235	0.383	0.190	-15.690	0.422	-0.006	0.033	0.126
σ		0.443	0.012	0.019	0.058	0.674	0.003	0.034	0.010
%RSD		188.400	3.067	10.190	0.373	159.800	45.710	104.500	7.990
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:46	0.111	0.250	0.467	-0.703	-1.049	-0.471	0.000	0.047
2	04:41:29	0.085	0.557	0.108	-0.178	-1.051	-0.485	0.000	0.041
3	04:42:12	0.109	0.245	0.308	-0.921	-1.392	-1.072	0.000	0.054
x		0.101	0.351	0.294	-0.601	-1.164	-0.676	0.000	0.048
σ		0.014	0.179	0.180	0.382	0.197	0.343	0.000	0.007
%RSD		14.100	50.900	61.040	63.560	16.960	50.700	0.000	13.680
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:46	53.071%	0.103	0.096	57.281%	-0.008	-0.012	-0.108	-0.088
2	04:41:29	53.369%	0.100	0.099	57.458%	-0.010	-0.010	-0.073	-0.076
3	04:42:12	53.125%	0.071	0.093	57.044%	-0.011	-0.006	-0.017	-0.024
x		53.188%	0.091	0.096	57.261%	-0.010	-0.009	-0.066	-0.063
σ		0.159%	0.018	0.003	0.208%	0.001	0.003	0.046	0.034
%RSD		0.299	19.800	2.832	0.363	13.240	35.020	69.980	54.060
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:40:46	54.723%	1.128	0.068	0.041	0.066	0.034	63.657%	65.064%
2	04:41:29	55.428%	1.089	0.047	0.070	0.053	0.037	64.973%	66.144%
3	04:42:12	55.733%	1.187	0.062	0.079	0.058	0.043	65.196%	66.918%
x		55.295%	1.135	0.059	0.063	0.059	0.038	64.609%	66.042%
σ		0.518%	0.049	0.011	0.020	0.006	0.004	0.832%	0.931%
%RSD		0.937	4.357	17.960	30.790	10.870	11.500	1.288	1.410
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:40:46	0.013	0.003	0.046	0.024	0.034	73.000%		
2	04:41:29	0.009	0.006	0.034	0.031	0.025	74.544%		
3	04:42:12	0.008	0.004	0.024	0.028	0.027	75.000%		
x		0.010	0.004	0.035	0.028	0.029	74.181%		
σ		0.003	0.002	0.011	0.004	0.005	1.048%		
%RSD		26.880	42.670	32.350	13.660	17.180	1.413		

180-15519-A-39-A 12/28/2012 4:44:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:09	55.726%	-0.002	3.188	3.996	0.000	57.200	1.062	1.080
2	04:45:52	55.662%	0.001	3.136	3.706	0.000	56.700	1.095	0.728
3	04:46:35	55.715%	-0.005	3.268	3.640	0.000	55.370	1.034	1.032
x		55.701%	-0.002	3.197	3.781	0.000	56.420	1.064	0.947
σ		0.034%	0.003	0.067	0.189	0.000	0.948	0.031	0.191
%RSD		0.061	125.400	2.080	5.006	0.000	1.680	2.903	20.130
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:09	0.609	17.760	0.000	-7.091	8.965	12.330	54.792%	0.235
2	04:45:52	0.626	17.390	0.000	-7.874	6.903	10.480	55.041%	0.155
3	04:46:35	0.502	17.270	0.000	-8.927	16.130	12.400	54.334%	0.159
x		0.579	17.470	0.000	-7.964	10.670	11.740	54.722%	0.183
σ		0.067	0.254	0.000	0.921	4.844	1.090	0.359%	0.045
%RSD		11.640	1.453	0.000	11.570	45.410	9.288	0.655	24.820
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:09	-0.964	0.337	0.223	-14.840	1.483	-0.008	0.006	0.044
2	04:45:52	-1.446	0.303	0.207	-16.650	-0.346	-0.003	-0.008	0.047
3	04:46:35	-0.853	0.262	0.207	-17.250	0.264	-0.008	0.016	0.051
x		-1.088	0.301	0.213	-16.250	0.467	-0.006	0.004	0.047
σ		0.315	0.037	0.009	1.257	0.931	0.003	0.012	0.003
%RSD		28.950	12.440	4.309	7.737	199.500	46.310	263.800	7.218
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:09	0.086	0.191	0.083	-0.547	-1.220	-0.652	0.000	0.024
2	04:45:52	0.062	0.123	-0.106	0.002	-1.144	0.021	0.000	0.024
3	04:46:35	0.057	-0.119	0.010	-0.231	-1.152	-0.450	0.000	0.029
x		0.068	0.065	-0.004	-0.259	-1.172	-0.361	0.000	0.026
σ		0.016	0.163	0.095	0.276	0.042	0.345	0.000	0.003
%RSD		23.020	252.000	2207.000	106.500	3.561	95.780	0.000	11.130
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:09	52.136%	0.051	0.062	56.966%	0.001	-0.011	-0.102	-0.087
2	04:45:52	52.822%	0.089	0.069	56.988%	-0.006	-0.013	-0.074	-0.057
3	04:46:35	52.851%	0.061	0.089	57.090%	-0.006	-0.007	-0.138	-0.101
x		52.603%	0.067	0.073	57.015%	-0.004	-0.010	-0.104	-0.082
σ		0.405%	0.020	0.014	0.066%	0.004	0.003	0.032	0.022
%RSD		0.769	29.190	19.360	0.116	109.300	26.610	30.680	27.520
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:45:09	54.474%	0.955	0.040	0.070	0.020	0.005	63.440%	64.708%
2	04:45:52	55.008%	0.985	0.032	0.051	-0.003	-0.005	64.759%	66.186%
3	04:46:35	55.082%	1.041	0.053	0.069	-0.003	0.014	65.076%	67.002%
x		54.855%	0.994	0.042	0.064	0.005	0.005	64.425%	65.965%
σ		0.332%	0.044	0.010	0.011	0.013	0.010	0.868%	1.162%
%RSD		0.606	4.423	24.790	16.510	277.200	201.000	1.347	1.762
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:45:09	0.001	0.004	0.034	0.016	0.026	74.253%		
2	04:45:52	0.016	0.003	0.023	0.015	0.023	75.111%		
3	04:46:35	0.005	-0.000	0.027	0.007	0.019	75.409%		
x		0.007	0.002	0.028	0.012	0.023	74.924%		
σ		0.008	0.002	0.006	0.005	0.003	0.600%		
%RSD		110.200	99.980	20.650	40.480	13.680	0.801		

CCV 664806 12/28/2012 4:51:44 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:52:27	58.741%	97.460	92.930	95.260	0.000	47330.000	47640.000	49240.000
2	04:53:10	56.314%	100.600	94.410	98.730	0.000	47250.000	48190.000	49810.000
3	04:53:53	57.216%	99.170	93.350	94.600	0.000	46600.000	46780.000	49100.000
x		57.424%	99.069%	93.564%	96.196%	0.000	94.124%	95.069%	98.765%
σ		1.227%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.137	1.581	0.814	2.306	0.000	0.856	1.495	0.760

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:52:27	511.400	5087.000	0.000	48390.000	48130.000	50710.000	68.494%	93.990
2	04:53:10	527.600	5147.000	0.000	47170.000	47410.000	51000.000	68.963%	95.210
3	04:53:53	518.100	5070.000	0.000	46670.000	46670.000	50160.000	69.888%	98.610
x		103.806%	102.031%	0.000	94.823%	94.812%	101.244%	69.115%	95.939%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.710%	n/a
%RSD		1.563	0.798	0.000	1.871	1.543	0.845	1.027	2.493

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:52:27	94.940	95.130	509.100	26290.000	25550.000	92.790	93.170	94.680
2	04:53:10	93.630	93.290	483.900	26060.000	25700.000	94.070	93.310	94.200
3	04:53:53	94.950	94.120	434.300	25710.000	25600.000	92.010	90.230	92.700
x		94.508%	94.181%	95.148%	104.087%	102.464%	92.955%	92.235%	93.859%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.809	0.976	8.001	1.119	0.300	1.124	1.887	1.104

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:52:27	95.250	104.200	102.500	97.050	101.700	101.400	0.000	98.450
2	04:53:10	94.990	102.400	102.400	96.970	101.400	103.300	0.000	97.150
3	04:53:53	92.170	102.100	101.200	94.970	101.900	100.900	0.000	98.020
x		94.135%	102.890%	102.046%	96.332%	101.648%	101.888%	0.000	97.875%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.817	1.083	0.741	1.222	0.255	1.261	0.000	0.675

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:52:27	59.140%	93.570	93.750	59.940%	94.060	95.820	100.400	102.800
2	04:53:10	61.025%	95.700	96.280	61.255%	94.800	96.370	100.100	103.300
3	04:53:53	61.803%	97.710	97.570	61.831%	93.970	96.500	99.760	101.700
x		60.656%	95.662%	95.865%	61.009%	94.276%	96.231%	100.096%	102.594%
σ		1.369%	n/a	n/a	0.969%	n/a	n/a	n/a	n/a
%RSD		2.258	2.165	2.031	1.589	0.485	0.372	0.309	0.831

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:52:27	59.289%	98.310	100.700	100.100	94.890	94.590	63.220%	64.044%
2	04:53:10	61.744%	98.490	99.980	99.660	95.650	95.870	65.794%	67.395%
3	04:53:53	63.129%	98.150	99.350	99.500	92.080	94.060	67.604%	68.440%
x		61.387%	98.314%	100.019%	99.765%	94.206%	94.843%	65.539%	66.626%
σ		1.944%	n/a	n/a	n/a	n/a	n/a	2.203%	2.297%
%RSD		3.168	0.172	0.684	0.330	1.999	0.982	3.362	3.447

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:52:27	91.540	90.800	91.190	90.680	90.240	68.568%
2	04:53:10	92.870	92.670	93.370	92.530	92.540	70.387%
3	04:53:53	93.240	92.940	93.540	93.010	92.470	71.402%
x		92.550%	92.137%	92.698%	92.072%	91.749%	70.119%
σ		n/a	n/a	n/a	n/a	n/a	1.436%
%RSD		0.962	1.266	1.414	1.337	1.422	2.048

CCB13 12/28/2012 4:59:03 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:59:46	97.160%	0.010	1.437	1.725	0.000	7.429	3.930	4.200
2	05:00:29	94.544%	-0.013	1.519	1.658	0.000	7.066	4.455	3.854
3	05:01:12	94.072%	-0.016	1.538	1.547	0.000	6.993	4.000	3.807
x		95.259%	-0.006	1.498	1.643	0.000	7.163	4.129	3.954
σ		1.663%	0.015	0.053	0.090	0.000	0.234	0.285	0.214
%RSD		1.746	229.800	3.562	5.464	0.000	3.262	6.904	5.423
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:59:46	1.266	-4.526	0.000	-15.810	22.070	20.020	100.988%	-0.107
2	05:00:29	1.206	-4.950	0.000	-16.800	21.260	19.680	100.222%	0.018
3	05:01:12	1.229	-4.870	0.000	-15.910	17.390	20.720	98.422%	-0.067
x		1.234	-4.782	0.000	-16.170	20.240	20.140	99.877%	-0.052
σ		0.030	0.225	0.000	0.543	2.500	0.530	1.317%	0.064
%RSD		2.454	4.711	0.000	3.357	12.350	2.630	1.319	122.800
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:59:46	-0.019	-0.108	0.189	-18.130	9.876	-0.004	0.032	0.003
2	05:00:29	-0.019	-0.092	0.190	-21.880	7.459	-0.000	0.039	0.006
3	05:01:12	-0.001	-0.098	0.188	-23.000	5.408	0.000	0.027	-0.014
x		-0.013	-0.099	0.189	-21.010	7.581	-0.001	0.033	-0.001
σ		0.010	0.008	0.001	2.550	2.236	0.003	0.006	0.011
%RSD		78.250	7.865	0.487	12.140	29.500	177.700	18.890	729.900
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:59:46	-0.010	2.262	2.108	-0.629	-1.296	-2.557	0.000	0.026
2	05:00:29	0.015	2.022	2.039	-0.387	-1.434	-1.906	0.000	0.028
3	05:01:12	0.011	2.144	2.081	-0.506	-1.396	-2.108	0.000	0.035
x		0.006	2.143	2.076	-0.507	-1.375	-2.191	0.000	0.030
σ		0.014	0.120	0.035	0.121	0.071	0.333	0.000	0.005
%RSD		247.300	5.595	1.682	23.920	5.161	15.210	0.000	16.270
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:59:46	80.404%	0.239	0.271	88.117%	-0.002	-0.005	-0.174	-0.119
2	05:00:29	81.683%	0.211	0.232	88.412%	0.003	0.004	-0.113	-0.070
3	05:01:12	80.971%	0.173	0.170	88.780%	-0.001	-0.001	-0.173	-0.123
x		81.019%	0.208	0.224	88.437%	-0.000	-0.001	-0.153	-0.104
σ		0.641%	0.033	0.051	0.332%	0.003	0.004	0.035	0.029
%RSD		0.791	15.980	22.770	0.376	2085.000	509.700	22.720	28.230
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:59:46	81.037%	-0.110	0.011	0.013	0.040	0.004	87.752%	89.132%
2	05:00:29	82.000%	-0.145	0.009	0.037	-0.008	0.021	90.818%	91.559%
3	05:01:12	82.133%	-0.186	0.007	0.005	0.004	0.003	90.598%	91.976%
x		81.723%	-0.147	0.009	0.018	0.012	0.010	89.723%	90.889%
σ		0.598%	0.038	0.002	0.017	0.025	0.010	1.710%	1.536%
%RSD		0.732	25.550	19.230	92.910	206.800	106.500	1.906	1.690
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:59:46	0.006	0.002	0.055	0.056	0.055	90.155%		
2	05:00:29	0.002	-0.001	0.042	0.059	0.045	91.441%		
3	05:01:12	0.004	0.005	0.057	0.049	0.048	91.597%		
x		0.004	0.002	0.051	0.054	0.049	91.064%		
σ		0.002	0.003	0.008	0.005	0.005	0.791%		
%RSD		47.730	151.000	15.680	9.644	10.000	0.869		

MB 180-53655/1-A 12/28/2012 5:03:25 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:04:08	91.546%	-0.016	1.301	1.396	0.000	-0.334	0.140	0.027
2	05:04:51	91.685%	-0.012	1.235	1.438	0.000	-0.628	-0.206	-0.216
3	05:05:34	91.436%	-0.016	1.389	1.266	0.000	-0.912	-0.393	-0.314
x		91.556%	-0.015	1.308	1.367	0.000	-0.625	-0.153	-0.168
σ		0.124%	0.002	0.077	0.090	0.000	0.289	0.270	0.175
%RSD		0.136	14.070	5.914	6.562	0.000	46.310	176.300	104.500

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:04:08	-0.752	-4.966	0.000	-22.220	-1.676	-2.877	94.655%	-0.081
2	05:04:51	-0.812	-4.730	0.000	-23.070	-3.352	-2.658	93.943%	-0.074
3	05:05:34	-0.772	-5.017	0.000	-23.620	-3.974	-2.753	94.552%	-0.062
x		-0.779	-4.904	0.000	-22.970	-3.001	-2.763	94.383%	-0.072
σ		0.031	0.153	0.000	0.706	1.189	0.110	0.385%	0.010
%RSD		3.950	3.124	0.000	3.076	39.610	3.970	0.408	13.880

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:04:08	-0.116	-0.084	-0.024	-32.370	-3.724	-0.009	-0.008	-0.011
2	05:04:51	-0.124	-0.088	-0.037	-34.570	-4.350	-0.011	0.001	-0.008
3	05:05:34	0.020	-0.096	-0.039	-35.050	-4.853	-0.014	0.002	-0.002
x		-0.073	-0.090	-0.033	-34.000	-4.309	-0.012	-0.002	-0.007
σ		0.081	0.006	0.008	1.434	0.565	0.002	0.005	0.004
%RSD		110.800	6.747	24.160	4.217	13.120	19.970	339.100	65.260

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:04:08	0.008	-0.633	-0.743	-0.667	-1.569	-2.791	0.000	0.005
2	05:04:51	-0.005	-0.741	-0.729	-0.563	-1.513	-2.145	0.000	0.003
3	05:05:34	0.019	-0.740	-0.746	-0.543	-1.525	-2.079	0.000	0.001
x		0.008	-0.704	-0.739	-0.591	-1.536	-2.338	0.000	0.003
σ		0.012	0.062	0.009	0.066	0.029	0.393	0.000	0.002
%RSD		156.600	8.776	1.235	11.240	1.896	16.820	0.000	80.590

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:04:08	76.806%	0.114	0.094	85.034%	-0.009	-0.010	-0.206	-0.145
2	05:04:51	77.056%	0.105	0.112	84.487%	-0.011	-0.007	-0.171	-0.125
3	05:05:34	76.880%	0.107	0.119	84.037%	-0.007	-0.005	-0.140	-0.105
x		76.914%	0.109	0.108	84.520%	-0.009	-0.007	-0.172	-0.125
σ		0.129%	0.004	0.013	0.499%	0.002	0.002	0.033	0.020
%RSD		0.167	4.097	11.970	0.591	19.640	28.560	19.140	15.730

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:04:08	78.226%	-0.185	-0.009	0.008	-0.011	-0.007	85.973%	87.837%
2	05:04:51	79.054%	-0.173	-0.001	-0.011	-0.015	-0.010	87.655%	89.747%
3	05:05:34	79.917%	-0.214	-0.008	-0.002	-0.003	-0.014	89.105%	89.869%
x		79.065%	-0.191	-0.006	-0.002	-0.010	-0.010	87.578%	89.151%
σ		0.846%	0.021	0.005	0.010	0.006	0.004	1.568%	1.139%
%RSD		1.069	11.040	73.270	511.200	61.410	35.600	1.790	1.278

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:04:08	-0.008	-0.008	0.032	0.016	0.018	91.496%
2	05:04:51	-0.006	-0.007	-0.002	-0.003	-0.003	91.242%
3	05:05:34	-0.001	-0.005	-0.007	-0.011	-0.008	91.024%
x		-0.005	-0.007	0.008	0.001	0.003	91.254%
σ		0.004	0.001	0.021	0.014	0.014	0.237%
%RSD		68.680	20.540	280.400	1810.000	506.600	0.259

LCS 180-53655/2-A 12/28/2012 5:07:45 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:08:28	49.063%	47.010	854.800	908.400	0.000	44990.000	46580.000	47870.000
2	05:09:11	46.374%	48.600	901.100	942.800	0.000	45000.000	46710.000	49420.000
3	05:09:54	47.797%	47.920	879.000	922.200	0.000	45150.000	45600.000	48670.000
x		47.745%	47.840	878.300	924.500	0.000	45050.000	46300.000	48660.000
σ		1.345%	0.802	23.160	17.310	0.000	87.230	610.400	773.900
%RSD		2.818	1.676	2.637	1.873	0.000	0.194	1.318	1.591
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:08:28	1914.000	9664.000	0.000	46430.000	47280.000	50520.000	56.207%	948.500
2	05:09:11	1966.000	9931.000	0.000	46890.000	47340.000	51450.000	54.082%	961.400
3	05:09:54	1924.000	9598.000	0.000	45540.000	47450.000	50460.000	55.430%	940.700
x		1935.000	9731.000	0.000	46280.000	47350.000	50810.000	55.240%	950.200
σ		27.650	176.300	0.000	688.400	86.300	556.800	1.075%	10.440
%RSD		1.429	1.812	0.000	1.487	0.182	1.096	1.946	1.099
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:08:28	480.300	187.800	513.800	1040.000	1200.000	448.300	450.500	227.200
2	05:09:11	486.500	190.000	514.800	1044.000	1196.000	448.500	447.800	227.200
3	05:09:54	468.600	182.900	507.600	1014.000	1158.000	441.000	437.300	223.600
x		478.500	186.900	512.100	1033.000	1185.000	445.900	445.200	226.000
σ		9.064	3.642	3.890	16.250	23.390	4.292	6.972	2.049
%RSD		1.894	1.948	0.760	1.573	1.974	0.963	1.566	0.906
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:08:28	228.400	487.500	485.000	35.780	8.364	8.305	0.000	939.300
2	05:09:11	226.000	487.100	493.700	36.130	9.126	8.527	0.000	931.500
3	05:09:54	221.000	482.100	483.100	34.560	8.683	9.413	0.000	924.200
x		225.100	485.600	487.300	35.490	8.724	8.749	0.000	931.700
σ		3.765	3.018	5.657	0.828	0.383	0.586	0.000	7.577
%RSD		1.672	0.622	1.161	2.334	4.384	6.702	0.000	0.813
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:08:28	53.863%	893.900	895.400	54.238%	44.440	45.100	46.120	45.260
2	05:09:11	54.444%	905.000	913.100	54.508%	45.020	45.970	47.440	45.300
3	05:09:54	55.116%	899.900	909.800	55.219%	44.840	45.610	46.700	42.110
x		54.475%	899.600	906.100	54.655%	44.770	45.560	46.750	44.220
σ		0.627%	5.511	9.408	0.506%	0.296	0.437	0.659	1.831
%RSD		1.151	0.613	1.038	0.926	0.661	0.958	1.409	4.139
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:08:28	54.982%	1874.000	466.100	461.000	1722.000	1731.000	64.390%	65.601%
2	05:09:11	55.702%	1885.000	469.300	466.700	1737.000	1749.000	65.094%	66.737%
3	05:09:54	56.212%	1944.000	467.700	464.200	1725.000	1731.000	66.329%	67.853%
x		55.632%	1901.000	467.700	464.000	1728.000	1737.000	65.271%	66.730%
σ		0.618%	37.820	1.560	2.856	7.506	10.310	0.982%	1.126%
%RSD		1.111	1.989	0.334	0.616	0.434	0.594	1.504	1.687
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:08:28	40.940	40.790	16.700	16.670	16.540	69.755%		
2	05:09:11	42.060	41.860	17.200	16.930	16.920	70.190%		
3	05:09:54	41.880	41.620	16.710	16.610	16.710	71.352%		
x		41.630	41.420	16.870	16.740	16.730	70.432%		
σ		0.599	0.562	0.282	0.170	0.191	0.826%		
%RSD		1.440	1.356	1.674	1.014	1.142	1.172		

LCSD 180-53655/3-A 12/28/2012 5:12:06 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:49	47.310%	48.120	884.800	918.000	0.000	44050.000	45710.000	47840.000
2	05:13:32	47.305%	47.160	885.700	928.900	0.000	43570.000	45180.000	47990.000
3	05:14:15	47.201%	46.980	891.800	912.100	0.000	42870.000	44990.000	48080.000
x		47.272%	47.420	887.500	919.700	0.000	43500.000	45290.000	47970.000
σ		0.062%	0.615	3.812	8.522	0.000	593.000	373.100	124.100
%RSD		0.130	1.296	0.430	0.927	0.000	1.363	0.824	0.259
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:49	1888.000	9576.000	0.000	45020.000	45600.000	49000.000	56.924%	931.000
2	05:13:32	1906.000	9446.000	0.000	45140.000	45560.000	48990.000	55.226%	924.900
3	05:14:15	1896.000	9428.000	0.000	44820.000	45800.000	48830.000	56.129%	907.800
x		1897.000	9483.000	0.000	44990.000	45660.000	48940.000	56.093%	921.200
σ		8.866	80.780	0.000	165.200	130.100	97.330	0.850%	12.000
%RSD		0.468	0.852	0.000	0.367	0.285	0.199	1.515	1.303
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:49	474.500	185.500	493.500	1020.000	1165.000	436.800	435.400	222.400
2	05:13:32	468.800	183.400	502.700	1030.000	1197.000	438.700	437.200	219.000
3	05:14:15	458.800	180.800	498.000	1024.000	1181.000	434.500	427.800	219.400
x		467.400	183.200	498.100	1025.000	1181.000	436.600	433.500	220.300
σ		7.911	2.346	4.598	5.012	15.930	2.062	4.978	1.880
%RSD		1.693	1.280	0.923	0.489	1.349	0.472	1.148	0.853
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:49	220.900	475.300	476.600	35.770	8.253	9.166	0.000	927.800
2	05:13:32	219.300	478.300	480.300	34.870	8.433	8.866	0.000	918.200
3	05:14:15	217.300	476.300	474.300	34.500	8.237	9.752	0.000	914.800
x		219.200	476.600	477.000	35.050	8.308	9.261	0.000	920.300
σ		1.785	1.553	3.018	0.650	0.109	0.451	0.000	6.721
%RSD		0.815	0.326	0.633	1.855	1.312	4.867	0.000	0.730
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:49	54.348%	882.900	884.100	54.664%	44.590	45.620	46.960	44.870
2	05:13:32	54.721%	891.900	894.800	55.365%	44.090	44.770	45.940	44.990
3	05:14:15	54.718%	892.600	897.800	55.124%	44.050	44.690	46.170	43.590
x		54.596%	889.200	892.200	55.051%	44.240	45.030	46.360	44.480
σ		0.215%	5.406	7.170	0.356%	0.301	0.513	0.535	0.779
%RSD		0.393	0.608	0.804	0.647	0.681	1.139	1.153	1.752
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:49	55.466%	1866.000	463.700	461.000	1714.000	1721.000	65.284%	66.369%
2	05:13:32	56.653%	1839.000	459.200	456.200	1681.000	1695.000	67.528%	68.596%
3	05:14:15	56.745%	1854.000	460.700	459.500	1697.000	1713.000	67.000%	68.576%
x		56.288%	1853.000	461.200	458.900	1697.000	1710.000	66.604%	67.847%
σ		0.713%	13.470	2.271	2.450	16.480	13.060	1.173%	1.280%
%RSD		1.268	0.727	0.492	0.534	0.971	0.764	1.762	1.887
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:12:49	41.000	41.160	16.670	16.620	16.580	70.335%		
2	05:13:32	41.260	41.180	16.680	16.490	16.510	71.856%		
3	05:14:15	42.000	41.780	16.750	16.690	16.740	71.637%		
x		41.420	41.370	16.700	16.600	16.610	71.276%		
σ		0.521	0.354	0.044	0.101	0.117	0.823%		
%RSD		1.258	0.857	0.263	0.606	0.702	1.154		

180-15564-A-5-B 12/28/2012 5:16:27 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:10	53.862%	0.005	88.050	92.040	0.000	9608.000	31680.000	33700.000
2	05:17:53	53.479%	0.008	86.620	90.310	0.000	9541.000	31500.000	33940.000
3	05:18:36	54.239%	-0.008	80.930	86.190	0.000	9412.000	31890.000	33870.000
x		53.860%	0.002	85.200	89.510	0.000	9520.000	31690.000	33830.000
σ		0.380%	0.008	3.764	3.004	0.000	99.640	196.600	121.600
%RSD		0.705	531.700	4.418	3.356	0.000	1.047	0.620	0.359

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:10	1.906	23400.000	0.000	5006.000	32060.000	35110.000	57.914%	4.232
2	05:17:53	1.593	23030.000	0.000	5023.000	32300.000	35150.000	57.618%	3.328
3	05:18:36	1.479	23140.000	0.000	4973.000	32320.000	35130.000	56.135%	3.397
x		1.660	23190.000	0.000	5000.000	32230.000	35130.000	57.222%	3.652
σ		0.221	189.400	0.000	25.220	145.700	20.430	0.953%	0.503
%RSD		13.330	0.817	0.000	0.504	0.452	0.058	1.666	13.770

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:10	-0.057	0.329	231.800	262.000	409.100	0.197	0.319	0.282
2	05:17:53	0.142	0.340	230.000	258.000	406.000	0.175	0.303	0.236
3	05:18:36	-0.195	0.283	234.700	265.800	408.600	0.177	0.242	0.209
x		-0.036	0.317	232.200	261.900	407.900	0.183	0.288	0.242
σ		0.169	0.030	2.378	3.909	1.684	0.012	0.041	0.037
%RSD		463.300	9.476	1.024	1.492	0.413	6.814	14.090	15.210

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:10	0.184	1.233	1.231	1.897	-0.740	-0.218	0.000	234.400
2	05:17:53	0.198	1.393	1.097	1.779	-0.940	0.236	0.000	235.100
3	05:18:36	0.243	1.272	1.042	2.052	-0.869	-0.344	0.000	235.600
x		0.208	1.299	1.123	1.909	-0.850	-0.108	0.000	235.000
σ		0.031	0.084	0.097	0.137	0.102	0.305	0.000	0.580
%RSD		14.800	6.432	8.677	7.177	11.980	281.300	0.000	0.247

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:10	52.916%	6.471	6.245	55.632%	-0.001	-0.003	-0.025	-0.034
2	05:17:53	53.305%	4.009	4.068	55.851%	-0.007	-0.006	-0.105	-0.049
3	05:18:36	52.718%	2.966	2.942	55.818%	-0.014	-0.014	-0.108	-0.080
x		52.980%	4.482	4.418	55.767%	-0.007	-0.007	-0.080	-0.055
σ		0.298%	1.800	1.679	0.118%	0.006	0.006	0.047	0.024
%RSD		0.563	40.160	38.000	0.211	81.700	75.240	59.180	43.530

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:10	54.539%	8.868	0.218	0.247	77.670	78.580	63.412%	64.141%
2	05:17:53	55.308%	5.080	0.171	0.159	77.410	80.660	64.705%	65.767%
3	05:18:36	55.668%	3.309	0.122	0.119	78.720	79.370	64.912%	66.287%
x		55.172%	5.752	0.170	0.175	77.930	79.540	64.343%	65.398%
σ		0.577%	2.840	0.048	0.066	0.691	1.048	0.813%	1.120%
%RSD		1.045	49.370	28.340	37.540	0.887	1.318	1.263	1.712

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:17:10	0.237	0.254	0.020	0.006	0.020	71.677%
2	05:17:53	0.168	0.144	0.011	0.022	0.015	73.333%
3	05:18:36	0.126	0.126	0.013	-0.001	0.006	73.713%
x		0.177	0.175	0.015	0.009	0.014	72.908%
σ		0.056	0.070	0.005	0.012	0.007	1.083%
%RSD		31.840	39.940	33.690	135.600	51.910	1.485

180-15564-A-5-B SD@5 12/28/2012 5:20:48 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:31	56.493%	0.006	23.250	24.100	0.000	1930.000	6240.000	6466.000
2	05:22:14	54.542%	-0.017	21.890	23.410	0.000	1896.000	6400.000	6711.000
3	05:22:57	55.402%	-0.005	21.810	22.710	0.000	1930.000	6299.000	6570.000
x		55.479%	-0.006	22.310	23.410	0.000	1919.000	6313.000	6583.000
σ		0.978%	0.011	0.811	0.698	0.000	19.410	81.040	123.000
%RSD		1.763	201.600	3.634	2.983	0.000	1.012	1.284	1.869
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:31	-0.015	4699.000	0.000	1004.000	6382.000	6768.000	63.391%	0.589
2	05:22:14	0.050	4741.000	0.000	996.000	6468.000	6773.000	61.560%	0.590
3	05:22:57	-0.045	4699.000	0.000	1008.000	6506.000	6720.000	62.070%	0.614
x		-0.003	4713.000	0.000	1003.000	6452.000	6754.000	62.340%	0.598
σ		0.049	24.320	0.000	6.133	63.580	29.390	0.945%	0.014
%RSD		1449.000	0.516	0.000	0.612	0.985	0.435	1.516	2.354
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:31	0.180	0.037	45.420	34.670	78.970	0.040	0.098	0.053
2	05:22:14	-0.030	0.035	46.470	35.410	79.050	0.034	0.098	0.082
3	05:22:57	0.072	-0.012	46.050	35.260	77.170	0.040	0.069	0.087
x		0.074	0.020	45.980	35.110	78.390	0.038	0.088	0.074
σ		0.105	0.028	0.532	0.392	1.063	0.003	0.017	0.018
%RSD		142.600	139.100	1.157	1.116	1.356	8.727	18.720	24.860
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:31	0.092	0.077	0.033	0.413	-1.051	0.088	0.000	45.630
2	05:22:14	0.083	-0.110	0.050	0.461	-0.958	0.286	0.000	45.280
3	05:22:57	0.054	0.178	-0.093	0.208	-1.040	-1.134	0.000	45.520
x		0.076	0.048	-0.003	0.361	-1.016	-0.253	0.000	45.480
σ		0.020	0.146	0.078	0.134	0.051	0.769	0.000	0.180
%RSD		26.410	302.100	2339.000	37.190	4.989	303.500	0.000	0.397
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:31	56.457%	0.856	0.822	61.416%	-0.006	-0.006	0.001	-0.026
2	05:22:14	57.084%	0.796	0.770	61.006%	-0.007	-0.010	-0.051	-0.035
3	05:22:57	57.413%	0.694	0.704	61.532%	-0.009	-0.011	-0.092	-0.053
x		56.985%	0.782	0.765	61.318%	-0.007	-0.009	-0.047	-0.038
σ		0.486%	0.082	0.059	0.277%	0.002	0.003	0.046	0.014
%RSD		0.852	10.450	7.728	0.451	22.960	31.760	97.910	35.680
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:31	58.199%	0.797	0.029	0.055	15.530	15.400	65.353%	66.327%
2	05:22:14	59.012%	0.632	0.019	0.030	15.370	15.270	66.754%	67.825%
3	05:22:57	58.825%	0.474	0.042	0.048	14.810	14.970	67.114%	68.476%
x		58.679%	0.634	0.030	0.044	15.240	15.220	66.407%	67.543%
σ		0.426%	0.161	0.011	0.013	0.377	0.223	0.930%	1.102%
%RSD		0.726	25.380	36.830	28.700	2.476	1.463	1.401	1.632
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:21:31	0.038	0.043	0.030	0.009	0.017	77.587%		
2	05:22:14	0.032	0.036	0.006	0.010	0.008	78.990%		
3	05:22:57	0.038	0.038	0.007	-0.003	0.001	79.741%		
x		0.036	0.039	0.014	0.005	0.009	78.773%		
σ		0.003	0.004	0.013	0.007	0.008	1.093%		
%RSD		8.984	10.330	94.030	128.100	93.090	1.388		

180-15564-A-10-B 12/28/2012 5:25:10 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:53	55.367%	-0.008	28.360	29.810	0.000	7660.000	10560.000	11060.000
2	05:26:36	54.760%	0.004	28.010	29.860	0.000	7602.000	10420.000	11180.000
3	05:27:19	55.349%	-0.005	27.230	28.680	0.000	7460.000	10210.000	11060.000
x		55.159%	-0.003	27.870	29.450	0.000	7574.000	10390.000	11100.000
σ		0.345%	0.006	0.582	0.668	0.000	102.900	175.800	66.990
%RSD		0.626	201.300	2.087	2.268	0.000	1.358	1.691	0.604

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:53	7.900	655.900	0.000	1683.000	29600.000	33090.000	57.948%	0.373
2	05:26:36	8.001	664.500	0.000	1689.000	30350.000	32820.000	57.304%	0.163
3	05:27:19	7.900	657.800	0.000	1694.000	30280.000	32550.000	57.599%	0.300
x		7.933	659.400	0.000	1689.000	30080.000	32820.000	57.617%	0.279
σ		0.058	4.542	0.000	5.524	418.100	268.200	0.322%	0.107
%RSD		0.735	0.689	0.000	0.327	1.390	0.817	0.560	38.320

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:53	0.659	0.303	0.671	-15.350	136.400	0.048	0.195	0.705
2	05:26:36	0.560	0.293	0.699	-14.100	131.300	0.043	0.247	0.664
3	05:27:19	0.429	0.280	0.688	-15.890	122.300	0.040	0.226	0.662
x		0.549	0.292	0.686	-15.110	130.000	0.044	0.222	0.677
σ		0.115	0.011	0.014	0.917	7.118	0.004	0.026	0.024
%RSD		21.000	3.872	2.089	6.066	5.475	9.685	11.740	3.546

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:53	0.743	0.845	0.771	0.898	-0.691	0.172	0.000	109.000
2	05:26:36	0.758	1.119	0.447	0.366	-0.872	-0.492	0.000	108.800
3	05:27:19	0.679	0.755	1.007	0.609	-0.785	-0.257	0.000	109.100
x		0.727	0.906	0.742	0.624	-0.783	-0.192	0.000	109.000
σ		0.042	0.190	0.281	0.267	0.090	0.337	0.000	0.157
%RSD		5.767	20.940	37.910	42.710	11.550	174.900	0.000	0.144

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:53	53.457%	2.177	2.154	57.162%	-0.010	-0.009	0.026	0.020
2	05:26:36	54.332%	2.040	2.068	57.762%	-0.009	-0.004	-0.036	-0.012
3	05:27:19	54.186%	2.119	1.976	57.642%	-0.007	-0.010	-0.029	-0.017
x		53.992%	2.112	2.066	57.522%	-0.009	-0.008	-0.013	-0.003
σ		0.469%	0.069	0.089	0.317%	0.002	0.003	0.034	0.020
%RSD		0.868	3.260	4.303	0.552	18.680	42.970	266.600	682.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:53	54.707%	1.284	0.266	0.211	18.290	18.100	63.868%	64.434%
2	05:26:36	56.139%	0.984	0.237	0.253	17.750	18.210	65.488%	66.514%
3	05:27:19	56.486%	0.961	0.233	0.255	18.640	18.640	65.679%	67.058%
x		55.777%	1.076	0.245	0.240	18.230	18.320	65.011%	66.002%
σ		0.943%	0.180	0.018	0.025	0.448	0.284	0.995%	1.385%
%RSD		1.691	16.750	7.424	10.500	2.455	1.550	1.531	2.098

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:25:53	0.052	0.053	0.030	0.021	0.023	73.979%
2	05:26:36	0.053	0.043	0.025	0.009	0.020	75.389%
3	05:27:19	0.043	0.042	0.014	0.017	0.018	75.952%
x		0.049	0.046	0.023	0.016	0.020	75.107%
σ		0.006	0.006	0.008	0.006	0.003	1.016%
%RSD		11.340	12.790	34.120	40.910	13.780	1.353

180-15564-A-15-B 12/28/2012 5:29:32 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:30:15	55.714%	-0.005	25.890	27.190	0.000	7718.000	10430.000	11010.000
2	05:30:58	53.357%	0.002	26.140	28.730	0.000	7709.000	10520.000	11160.000
3	05:31:41	52.362%	0.009	26.060	28.300	0.000	7778.000	10380.000	11070.000
x		53.811%	0.002	26.030	28.080	0.000	7735.000	10440.000	11080.000
σ		1.722%	0.007	0.128	0.794	0.000	37.610	71.460	78.670
%RSD		3.200	425.100	0.490	2.829	0.000	0.486	0.684	0.710

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:30:15	8.435	642.800	0.000	1705.000	29610.000	30300.000	57.722%	0.289
2	05:30:58	8.478	651.100	0.000	1640.000	29380.000	28330.000	57.525%	0.161
3	05:31:41	8.538	659.400	0.000	1656.000	29790.000	30350.000	58.522%	0.282
x		8.484	651.100	0.000	1667.000	29600.000	29660.000	57.923%	0.244
σ		0.052	8.287	0.000	33.830	206.200	1149.000	0.528%	0.072
%RSD		0.611	1.273	0.000	2.030	0.697	3.872	0.912	29.430

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:30:15	0.111	0.242	1.113	-12.660	133.800	0.046	0.590	1.784
2	05:30:58	0.490	0.215	1.096	-14.040	128.300	0.049	0.627	1.801
3	05:31:41	0.843	0.286	1.085	-13.990	124.600	0.049	0.571	1.853
x		0.481	0.248	1.098	-13.560	128.900	0.048	0.596	1.813
σ		0.366	0.036	0.014	0.785	4.614	0.002	0.029	0.036
%RSD		76.050	14.420	1.277	5.787	3.579	3.693	4.799	1.999

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:30:15	1.922	2.371	2.038	1.400	-0.630	2.752	0.000	105.600
2	05:30:58	1.867	2.244	2.145	1.080	-0.697	2.457	0.000	105.200
3	05:31:41	1.975	2.166	1.808	0.629	-0.690	0.842	0.000	105.100
x		1.921	2.261	1.997	1.036	-0.672	2.017	0.000	105.300
σ		0.054	0.103	0.172	0.387	0.037	1.028	0.000	0.287
%RSD		2.808	4.571	8.617	37.370	5.453	50.990	0.000	0.273

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:30:15	52.844%	1.797	1.779	57.061%	-0.006	-0.006	-0.066	-0.045
2	05:30:58	53.972%	1.791	1.586	57.520%	-0.003	-0.006	-0.106	-0.060
3	05:31:41	54.675%	1.537	1.798	58.008%	-0.007	-0.013	-0.040	-0.030
x		53.830%	1.708	1.721	57.530%	-0.005	-0.008	-0.071	-0.045
σ		0.923%	0.149	0.117	0.473%	0.002	0.004	0.033	0.015
%RSD		1.715	8.713	6.821	0.823	43.050	52.220	46.990	33.590

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:30:15	55.342%	0.293	0.220	0.168	18.160	18.170	62.581%	64.513%
2	05:30:58	55.994%	0.135	0.190	0.221	17.880	17.720	64.986%	65.944%
3	05:31:41	57.019%	0.139	0.214	0.212	17.780	17.610	65.818%	67.190%
x		56.118%	0.189	0.208	0.200	17.940	17.830	64.461%	65.882%
σ		0.846%	0.090	0.016	0.028	0.197	0.299	1.681%	1.340%
%RSD		1.507	47.900	7.551	14.020	1.097	1.676	2.607	2.034

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:30:15	0.022	0.027	0.074	0.058	0.063	73.844%
2	05:30:58	0.030	0.022	0.057	0.045	0.054	75.510%
3	05:31:41	0.031	0.028	0.053	0.040	0.046	76.214%
x		0.028	0.025	0.061	0.048	0.054	75.189%
σ		0.005	0.003	0.011	0.009	0.008	1.217%
%RSD		16.640	13.090	18.110	19.560	15.460	1.618

180-15564-A-20-B 12/28/2012 5:33:54 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:37	53.113%	0.005	82.160	86.250	0.000	9992.000	18640.000	19450.000
2	05:35:20	52.266%	0.006	83.560	87.910	0.000	9946.000	18740.000	19620.000
3	05:36:03	52.758%	0.027	82.530	88.480	0.000	9683.000	18130.000	19330.000
x		52.712%	0.013	82.750	87.540	0.000	9874.000	18510.000	19460.000
σ		0.425%	0.013	0.727	1.160	0.000	166.500	325.400	145.200
%RSD		0.806	99.920	0.879	1.324	0.000	1.686	1.759	0.746
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:37	7.129	13370.000	0.000	4417.000	33030.000	36120.000	57.695%	1.890
2	05:35:20	7.138	13280.000	0.000	4394.000	33860.000	36470.000	56.634%	1.903
3	05:36:03	7.189	13090.000	0.000	4357.000	32660.000	36260.000	56.411%	1.659
x		7.152	13250.000	0.000	4389.000	33180.000	36280.000	56.913%	1.817
σ		0.032	142.000	0.000	30.070	616.200	174.400	0.686%	0.138
%RSD		0.453	1.072	0.000	0.685	1.857	0.481	1.205	7.572
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:37	0.495	0.215	268.400	159.500	312.500	0.435	0.617	0.245
2	05:35:20	0.387	0.280	272.200	160.000	312.100	0.482	0.577	0.229
3	05:36:03	-0.240	0.193	272.400	160.200	313.000	0.425	0.694	0.213
x		0.214	0.229	271.000	159.900	312.500	0.447	0.629	0.229
σ		0.397	0.045	2.214	0.344	0.470	0.031	0.060	0.016
%RSD		185.500	19.710	0.817	0.215	0.150	6.842	9.507	7.111
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:37	0.243	0.876	1.338	15.380	-0.697	0.271	0.000	204.500
2	05:35:20	0.310	1.104	1.276	14.990	-0.833	0.335	0.000	203.700
3	05:36:03	0.235	0.938	0.821	15.900	-0.866	0.655	0.000	206.000
x		0.263	0.973	1.145	15.420	-0.799	0.420	0.000	204.700
σ		0.041	0.118	0.282	0.456	0.089	0.206	0.000	1.159
%RSD		15.520	12.140	24.660	2.959	11.200	49.040	0.000	0.566
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:37	51.929%	4.544	4.771	55.720%	-0.008	-0.008	-0.111	-0.062
2	05:35:20	52.636%	4.696	4.755	55.785%	-0.007	-0.010	-0.065	-0.054
3	05:36:03	53.043%	4.805	4.686	55.644%	-0.003	-0.012	-0.078	-0.069
x		52.536%	4.681	4.737	55.716%	-0.006	-0.010	-0.085	-0.062
σ		0.563%	0.131	0.045	0.071%	0.003	0.002	0.024	0.007
%RSD		1.073	2.800	0.956	0.127	43.220	19.320	28.020	12.110
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:37	53.751%	0.282	0.105	0.128	82.000	81.600	62.582%	63.852%
2	05:35:20	54.820%	0.267	0.083	0.114	80.390	81.830	64.140%	65.549%
3	05:36:03	55.643%	0.252	0.089	0.098	80.830	82.120	64.372%	65.982%
x		54.738%	0.267	0.092	0.113	81.070	81.850	63.698%	65.127%
σ		0.949%	0.015	0.011	0.015	0.832	0.262	0.973%	1.126%
%RSD		1.734	5.714	12.310	13.090	1.026	0.320	1.528	1.728
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:34:37	0.015	0.018	0.119	0.109	0.114	72.768%		
2	05:35:20	0.012	0.017	0.088	0.100	0.103	74.103%		
3	05:36:03	0.011	0.012	0.112	0.114	0.105	74.410%		
x		0.013	0.016	0.106	0.108	0.107	73.760%		
σ		0.002	0.003	0.016	0.007	0.006	0.873%		
%RSD		17.730	20.320	14.880	6.496	5.607	1.183		

180-15564-A-25-B 12/28/2012 5:38:16 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:38:59	55.478%	-0.014	26.740	28.090	0.000	7856.000	10820.000	11460.000
2	05:39:42	55.506%	-0.011	25.940	27.500	0.000	7670.000	10570.000	11180.000
3	05:40:26	54.393%	-0.008	25.870	27.830	0.000	7697.000	10710.000	11400.000
x		55.126%	-0.011	26.180	27.810	0.000	7741.000	10700.000	11350.000
σ		0.635%	0.003	0.486	0.294	0.000	100.400	124.500	143.500
%RSD		1.151	28.630	1.858	1.058	0.000	1.297	1.164	1.265

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:38:59	7.014	661.500	0.000	1669.000	29820.000	32950.000	59.060%	0.079
2	05:39:42	6.890	655.400	0.000	1700.000	30350.000	32530.000	58.995%	0.132
3	05:40:26	7.142	658.100	0.000	1702.000	30460.000	32440.000	58.284%	0.167
x		7.015	658.300	0.000	1690.000	30210.000	32640.000	58.780%	0.126
σ		0.126	3.025	0.000	18.820	338.700	275.000	0.430%	0.044
%RSD		1.795	0.460	0.000	1.113	1.121	0.843	0.732	35.130

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:38:59	0.487	0.191	0.831	-15.270	133.400	0.050	0.595	1.035
2	05:39:42	0.783	0.245	0.870	-15.060	128.200	0.051	0.515	1.013
3	05:40:26	0.769	0.271	0.889	-14.330	124.100	0.054	0.623	0.952
x		0.680	0.236	0.863	-14.890	128.500	0.052	0.577	1.000
σ		0.167	0.041	0.030	0.498	4.672	0.002	0.056	0.043
%RSD		24.590	17.270	3.432	3.344	3.635	3.426	9.710	4.288

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:38:59	1.133	0.990	1.005	0.363	-0.785	-0.104	0.000	109.200
2	05:39:42	1.058	1.135	0.878	0.680	-0.646	-0.054	0.000	109.500
3	05:40:26	0.996	0.939	1.022	0.710	-0.885	-0.129	0.000	109.100
x		1.062	1.021	0.968	0.584	-0.772	-0.096	0.000	109.300
σ		0.069	0.102	0.079	0.192	0.120	0.038	0.000	0.244
%RSD		6.495	9.952	8.111	32.930	15.560	40.080	0.000	0.223

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:38:59	54.353%	1.682	1.789	57.923%	-0.005	-0.001	-0.030	-0.031
2	05:39:42	54.833%	1.725	1.688	58.719%	-0.002	-0.010	-0.031	-0.024
3	05:40:26	55.571%	1.813	1.718	58.740%	-0.009	-0.003	-0.073	-0.043
x		54.919%	1.740	1.732	58.461%	-0.005	-0.005	-0.045	-0.032
σ		0.614%	0.067	0.052	0.466%	0.003	0.005	0.024	0.009
%RSD		1.117	3.852	2.990	0.796	61.290	94.010	54.800	29.110

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:38:59	55.805%	-0.013	0.204	0.180	18.070	17.870	63.617%	65.283%
2	05:39:42	56.905%	0.022	0.184	0.205	18.800	18.400	65.984%	67.275%
3	05:40:26	58.097%	0.008	0.209	0.216	17.900	18.000	66.466%	67.736%
x		56.936%	0.006	0.199	0.201	18.260	18.090	65.356%	66.765%
σ		1.146%	0.018	0.013	0.018	0.474	0.277	1.525%	1.303%
%RSD		2.013	321.200	6.578	9.064	2.598	1.529	2.333	1.952

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:38:59	0.018	0.013	0.046	0.046	0.047	73.857%
2	05:39:42	0.021	0.014	0.037	0.041	0.039	75.845%
3	05:40:26	0.009	0.014	0.049	0.038	0.036	76.776%
x		0.016	0.014	0.044	0.042	0.041	75.493%
σ		0.006	0.000	0.006	0.004	0.006	1.491%
%RSD		36.910	3.117	14.300	10.570	14.600	1.975

180-15564-A-30-B 12/28/2012 5:42:40 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:43:23	55.296%	-0.020	24.740	26.760	0.000	7859.000	10840.000	11360.000
2	05:44:06	54.320%	-0.011	24.950	27.080	0.000	7823.000	10870.000	11570.000
3	05:44:48	53.692%	-0.008	25.440	27.750	0.000	7977.000	10850.000	11650.000
x		54.436%	-0.013	25.040	27.200	0.000	7886.000	10850.000	11530.000
σ		0.809%	0.006	0.361	0.508	0.000	80.490	16.920	148.600
%RSD		1.485	50.230	1.441	1.866	0.000	1.021	0.156	1.290
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:43:23	7.342	660.400	0.000	1721.000	30070.000	33080.000	58.923%	0.300
2	05:44:06	7.133	664.200	0.000	1685.000	30070.000	33070.000	59.269%	0.203
3	05:44:48	7.290	671.300	0.000	1687.000	30210.000	33340.000	60.595%	0.399
x		7.255	665.300	0.000	1698.000	30120.000	33170.000	59.596%	0.301
σ		0.109	5.530	0.000	20.190	81.000	153.500	0.883%	0.098
%RSD		1.499	0.831	0.000	1.189	0.269	0.463	1.481	32.570
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:43:23	0.351	0.220	0.905	5.948	151.500	0.050	0.648	1.040
2	05:44:06	0.383	0.280	0.896	6.251	145.900	0.058	0.588	0.965
3	05:44:48	0.403	0.256	0.908	5.416	145.700	0.047	0.628	1.073
x		0.379	0.252	0.903	5.872	147.700	0.052	0.621	1.026
σ		0.026	0.030	0.006	0.423	3.307	0.006	0.031	0.055
%RSD		6.920	12.000	0.672	7.202	2.238	10.690	4.952	5.380
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:43:23	1.044	1.017	1.141	0.506	-0.596	-0.460	0.000	108.000
2	05:44:06	1.055	0.977	1.000	0.542	-0.862	0.033	0.000	107.800
3	05:44:48	1.069	0.983	0.997	0.310	-0.918	-0.504	0.000	109.100
x		1.056	0.992	1.046	0.453	-0.792	-0.311	0.000	108.300
σ		0.012	0.022	0.082	0.125	0.172	0.298	0.000	0.686
%RSD		1.159	2.215	7.841	27.580	21.740	95.940	0.000	0.634
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:43:23	54.632%	1.767	1.770	58.431%	-0.007	-0.011	-0.039	-0.039
2	05:44:06	55.394%	1.709	1.696	58.765%	-0.006	-0.009	-0.002	-0.012
3	05:44:48	55.689%	1.642	1.696	59.059%	-0.005	-0.010	-0.062	-0.048
x		55.238%	1.706	1.720	58.752%	-0.006	-0.010	-0.034	-0.033
σ		0.545%	0.063	0.043	0.314%	0.001	0.001	0.030	0.018
%RSD		0.987	3.664	2.474	0.535	19.990	7.893	88.210	55.720
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:43:23	55.801%	0.035	0.210	0.245	18.410	18.380	63.936%	65.208%
2	05:44:06	57.198%	0.010	0.176	0.206	18.070	18.050	65.988%	67.415%
3	05:44:48	57.380%	0.049	0.248	0.210	18.620	18.470	66.722%	67.887%
x		56.793%	0.031	0.212	0.220	18.370	18.300	65.549%	66.837%
σ		0.864%	0.020	0.036	0.022	0.277	0.217	1.444%	1.430%
%RSD		1.521	63.190	17.000	9.826	1.507	1.185	2.202	2.139
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:43:23	0.007	0.015	0.051	0.040	0.048	74.414%		
2	05:44:06	0.023	0.015	0.043	0.041	0.043	75.590%		
3	05:44:48	0.015	0.016	0.042	0.032	0.033	76.178%		
x		0.015	0.015	0.045	0.038	0.041	75.394%		
σ		0.008	0.001	0.005	0.005	0.007	0.898%		
%RSD		55.480	5.911	10.930	13.410	17.980	1.191		

CCV 664806 12/28/2012 5:49:58 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:41	58.345%	98.970	91.920	95.260	0.000	47230.000	47740.000	49870.000
2	05:51:24	57.138%	98.120	96.390	99.050	0.000	48000.000	47830.000	49690.000
3	05:52:07	57.660%	98.170	94.820	97.260	0.000	47010.000	47430.000	49080.000
x		57.714%	98.422%	94.375%	97.190%	0.000	94.828%	95.329%	99.090%
σ		0.605%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.049	0.486	2.399	1.951	0.000	1.104	0.432	0.831
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:41	522.700	5150.000	0.000	47780.000	47250.000	50780.000	70.053%	94.310
2	05:51:24	520.300	5078.000	0.000	47320.000	47260.000	50070.000	70.004%	96.440
3	05:52:07	512.600	5060.000	0.000	47700.000	47560.000	50540.000	70.844%	95.860
x		103.699%	101.927%	0.000	95.199%	94.715%	100.934%	70.300%	95.536%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.471%	n/a
%RSD		1.017	0.937	0.000	0.518	0.377	0.714	0.671	1.149
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:41	94.000	94.110	468.500	25910.000	25100.000	91.870	91.710	92.040
2	05:51:24	96.000	95.790	475.100	26000.000	25740.000	93.090	94.060	93.620
3	05:52:07	94.190	93.600	460.900	25770.000	25580.000	91.010	92.030	92.480
x		94.729%	94.498%	93.634%	103.584%	101.891%	91.986%	92.601%	92.715%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.168	1.213	1.519	0.439	1.309	1.138	1.376	0.881
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:41	91.960	101.000	101.100	94.760	100.600	99.420	0.000	97.850
2	05:51:24	92.870	101.900	101.200	95.540	100.600	101.900	0.000	97.760
3	05:52:07	91.900	101.100	103.300	96.530	101.500	101.700	0.000	96.570
x		92.246%	101.330%	101.859%	95.608%	100.900%	101.000%	0.000	97.394%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.590	0.518	1.236	0.930	0.530	1.363	0.000	0.731
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:41	59.284%	95.010	93.420	60.217%	93.490	95.030	99.760	102.600
2	05:51:24	61.537%	96.860	97.220	61.604%	94.890	95.800	98.720	102.400
3	05:52:07	62.409%	98.450	98.590	62.364%	93.880	94.940	99.320	102.300
x		61.077%	96.775%	96.412%	61.395%	94.084%	95.256%	99.268%	102.441%
σ		1.613%	n/a	n/a	1.089%	n/a	n/a	n/a	n/a
%RSD		2.640	1.781	2.781	1.774	0.767	0.496	0.525	0.168
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:41	58.921%	98.110	100.600	99.430	96.850	97.010	61.798%	62.594%
2	05:51:24	61.892%	98.530	99.190	99.110	95.790	96.030	63.972%	65.626%
3	05:52:07	62.939%	99.200	99.300	99.020	95.280	96.420	66.112%	67.090%
x		61.250%	98.612%	99.709%	99.186%	95.972%	96.488%	63.961%	65.103%
σ		2.084%	n/a	n/a	n/a	n/a	n/a	2.157%	2.293%
%RSD		3.403	0.561	0.813	0.218	0.833	0.510	3.373	3.522
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:50:41	92.380	91.840	92.230	91.960	91.610	67.458%		
2	05:51:24	93.050	92.890	93.650	92.810	92.520	69.975%		
3	05:52:07	93.580	93.850	93.910	93.460	93.060	70.910%		
x		93.006%	92.861%	93.264%	92.742%	92.399%	69.448%		
σ		n/a	n/a	n/a	n/a	n/a	1.785%		
%RSD		0.644	1.086	0.971	0.810	0.795	2.571		

CCB14 12/28/2012 5:57:17 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:00	92.303%	0.007	1.694	1.512	0.000	7.670	4.621	4.582
2	05:58:43	92.240%	-0.007	1.463	1.524	0.000	7.124	4.385	4.530
3	05:59:26	91.880%	-0.009	1.398	1.433	0.000	9.607	5.690	6.242
x		92.141%	-0.003	1.518	1.490	0.000	8.134	4.899	5.118
σ		0.228%	0.009	0.156	0.049	0.000	1.305	0.696	0.973
%RSD		0.248	296.800	10.250	3.304	0.000	16.050	14.200	19.020
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:00	1.194	-4.842	0.000	-14.890	20.910	18.070	99.719%	-0.062
2	05:58:43	2.682	-4.778	0.000	-16.610	17.230	16.840	99.115%	-0.043
3	05:59:26	1.891	-4.988	0.000	-13.930	31.260	19.560	95.819%	-0.115
x		1.923	-4.869	0.000	-15.150	23.130	18.160	98.218%	-0.073
σ		0.745	0.108	0.000	1.359	7.271	1.361	2.099%	0.038
%RSD		38.730	2.215	0.000	8.970	31.430	7.495	2.137	51.330
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:00	0.017	-0.116	0.290	-19.150	10.630	0.004	0.052	-0.004
2	05:58:43	0.006	-0.118	0.246	-23.850	7.021	-0.000	0.015	-0.005
3	05:59:26	0.002	-0.144	0.312	-21.270	8.620	0.007	0.036	0.015
x		0.008	-0.126	0.283	-21.430	8.757	0.004	0.034	0.002
σ		0.008	0.016	0.034	2.352	1.809	0.004	0.019	0.011
%RSD		90.710	12.760	11.940	10.980	20.650	94.860	54.700	587.400
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:00	0.030	1.797	1.777	-0.485	-1.461	-1.977	0.000	0.033
2	05:58:43	0.032	1.547	1.390	-0.452	-1.420	-1.861	0.000	0.027
3	05:59:26	0.020	1.774	1.618	-0.584	-1.510	-2.415	0.000	0.042
x		0.028	1.706	1.595	-0.507	-1.464	-2.084	0.000	0.034
σ		0.007	0.139	0.194	0.069	0.045	0.292	0.000	0.007
%RSD		24.580	8.117	12.180	13.520	3.102	14.010	0.000	21.950
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:00	79.999%	0.285	0.273	82.975%	0.001	-0.001	-0.159	-0.114
2	05:58:43	82.587%	0.226	0.218	84.725%	0.000	-0.000	-0.118	-0.082
3	05:59:26	80.424%	0.186	0.191	83.026%	0.006	0.005	-0.123	-0.096
x		81.003%	0.232	0.227	83.576%	0.002	0.001	-0.133	-0.097
σ		1.388%	0.050	0.042	0.996%	0.003	0.003	0.022	0.016
%RSD		1.713	21.570	18.460	1.192	149.600	297.000	16.830	16.490
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:00	81.109%	-0.337	0.010	0.011	0.014	0.028	83.070%	83.978%
2	05:58:43	82.941%	-0.403	0.002	0.014	0.013	-0.001	85.453%	87.136%
3	05:59:26	82.234%	-0.400	0.007	0.015	-0.011	0.027	85.128%	86.411%
x		82.095%	-0.380	0.006	0.013	0.005	0.018	84.550%	85.841%
σ		0.924%	0.038	0.004	0.002	0.014	0.016	1.293%	1.654%
%RSD		1.125	9.922	67.990	17.950	280.300	89.470	1.529	1.927
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:58:00	0.014	0.010	0.072	0.056	0.063	90.326%		
2	05:58:43	0.016	0.004	0.047	0.057	0.046	93.759%		
3	05:59:26	0.010	0.010	0.054	0.050	0.052	93.242%		
x		0.013	0.008	0.058	0.054	0.054	92.442%		
σ		0.003	0.004	0.013	0.004	0.009	1.851%		
%RSD		23.080	44.210	22.420	7.034	15.960	2.003		

180-15594-A-5-B 12/28/2012 6:01:40 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:23	54.012%	-0.011	24.170	25.240	0.000	7609.000	10700.000	11250.000
2	06:03:06	53.492%	0.002	23.840	25.120	0.000	7560.000	10620.000	11240.000
3	06:03:49	56.263%	-0.017	24.040	25.820	0.000	7652.000	10850.000	11430.000
x		54.589%	-0.009	24.020	25.390	0.000	7607.000	10720.000	11310.000
σ		1.473%	0.010	0.166	0.373	0.000	46.050	115.700	105.900
%RSD		2.698	109.600	0.692	1.468	0.000	0.605	1.079	0.937

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:23	5.786	632.400	0.000	1640.000	30250.000	33160.000	58.521%	0.145
2	06:03:06	5.673	643.200	0.000	1617.000	30360.000	33300.000	58.772%	0.091
3	06:03:49	5.506	643.100	0.000	1634.000	31060.000	33810.000	59.058%	0.246
x		5.655	639.500	0.000	1631.000	30560.000	33420.000	58.784%	0.161
σ		0.141	6.217	0.000	12.030	439.700	340.500	0.269%	0.079
%RSD		2.494	0.972	0.000	0.738	1.439	1.019	0.457	49.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:23	0.586	0.217	0.445	-8.660	145.700	0.038	0.181	1.367
2	06:03:06	0.912	0.263	0.440	-8.766	132.600	0.035	0.197	1.365
3	06:03:49	0.989	0.309	0.402	-9.930	135.400	0.024	0.252	1.317
x		0.829	0.263	0.429	-9.119	137.900	0.032	0.210	1.350
σ		0.214	0.046	0.024	0.705	6.939	0.007	0.037	0.029
%RSD		25.830	17.460	5.535	7.728	5.032	22.360	17.560	2.118

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:23	1.487	11.600	11.670	0.850	-0.554	-0.379	0.000	109.600
2	06:03:06	1.412	11.540	11.900	0.695	-0.585	-0.255	0.000	108.700
3	06:03:49	1.505	12.200	12.140	0.685	-0.813	0.155	0.000	109.300
x		1.468	11.780	11.900	0.743	-0.651	-0.160	0.000	109.200
σ		0.049	0.363	0.235	0.093	0.142	0.279	0.000	0.475
%RSD		3.362	3.085	1.975	12.490	21.770	174.700	0.000	0.435

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:23	53.278%	1.635	1.790	57.610%	-0.007	-0.006	-0.005	-0.022
2	06:03:06	55.315%	1.829	1.797	57.933%	-0.004	-0.000	0.023	0.021
3	06:03:49	55.357%	1.735	1.731	58.892%	-0.007	-0.008	-0.092	-0.058
x		54.650%	1.733	1.773	58.145%	-0.006	-0.005	-0.025	-0.020
σ		1.188%	0.097	0.036	0.667%	0.002	0.004	0.060	0.039
%RSD		2.175	5.583	2.036	1.146	32.920	79.240	241.700	200.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:23	54.736%	0.281	0.222	0.216	18.530	18.810	63.747%	64.875%
2	06:03:06	56.417%	0.242	0.205	0.244	18.140	18.620	65.190%	67.066%
3	06:03:49	57.322%	0.188	0.224	0.212	18.360	18.820	66.017%	67.120%
x		56.158%	0.237	0.217	0.224	18.340	18.750	64.985%	66.354%
σ		1.312%	0.047	0.010	0.017	0.198	0.111	1.149%	1.281%
%RSD		2.337	19.810	4.776	7.660	1.077	0.591	1.768	1.930

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:02:23	0.018	0.006	0.650	0.681	0.644	74.844%
2	06:03:06	0.008	0.009	0.698	0.656	0.657	75.710%
3	06:03:49	0.013	0.006	0.640	0.653	0.646	76.941%
x		0.013	0.007	0.663	0.664	0.649	75.831%
σ		0.005	0.002	0.031	0.015	0.007	1.054%
%RSD		36.950	23.370	4.685	2.324	1.133	1.390

180-15594-A-10-B 12/28/2012 6:06:04 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:47	55.377%	-0.002	24.020	24.690	0.000	7483.000	10530.000	11290.000
2	06:07:30	54.439%	-0.020	24.550	25.660	0.000	7516.000	10670.000	11400.000
3	06:08:13	54.879%	-0.002	24.520	26.080	0.000	7426.000	10560.000	11380.000
x		54.898%	-0.008	24.370	25.480	0.000	7475.000	10590.000	11360.000
σ		0.469%	0.010	0.297	0.713	0.000	45.640	71.230	60.380
%RSD		0.855	125.500	1.220	2.799	0.000	0.611	0.673	0.532

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:47	6.001	638.100	0.000	1602.000	30300.000	33130.000	58.958%	0.216
2	06:07:30	6.047	636.000	0.000	1596.000	30160.000	32870.000	58.566%	0.124
3	06:08:13	5.886	632.600	0.000	1582.000	29930.000	32990.000	58.878%	0.142
x		5.978	635.600	0.000	1593.000	30130.000	33000.000	58.801%	0.161
σ		0.083	2.746	0.000	9.977	187.400	127.200	0.207%	0.049
%RSD		1.386	0.432	0.000	0.626	0.622	0.385	0.352	30.510

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:47	0.248	0.292	0.440	4.001	152.500	0.047	0.189	0.616
2	06:07:30	0.677	0.282	0.437	2.185	144.300	0.033	0.099	0.599
3	06:08:13	0.807	0.282	0.412	2.726	144.700	0.037	0.249	0.621
x		0.577	0.285	0.429	2.971	147.200	0.039	0.179	0.612
σ		0.292	0.006	0.015	0.932	4.615	0.007	0.076	0.012
%RSD		50.630	2.144	3.574	31.390	3.136	18.900	42.240	1.890

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:47	0.668	13.250	12.780	0.470	-0.888	-0.480	0.000	108.200
2	06:07:30	0.662	12.840	12.720	0.390	-0.708	-0.114	0.000	108.400
3	06:08:13	0.701	12.550	13.700	0.892	-0.676	-0.082	0.000	106.400
x		0.677	12.880	13.070	0.584	-0.757	-0.225	0.000	107.700
σ		0.021	0.353	0.550	0.270	0.114	0.222	0.000	1.096
%RSD		3.127	2.740	4.211	46.170	15.080	98.380	0.000	1.018

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:47	53.539%	1.530	1.561	57.631%	-0.006	-0.007	-0.053	-0.041
2	06:07:30	54.537%	1.503	1.571	58.127%	-0.001	-0.013	0.004	-0.001
3	06:08:13	56.105%	1.466	1.527	58.525%	-0.007	-0.006	-0.056	-0.050
x		54.727%	1.500	1.553	58.094%	-0.005	-0.008	-0.035	-0.031
σ		1.293%	0.032	0.023	0.448%	0.003	0.004	0.034	0.026
%RSD		2.363	2.133	1.498	0.771	66.900	45.410	95.360	85.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:47	55.279%	-0.035	0.180	0.206	17.960	18.460	62.885%	64.005%
2	06:07:30	55.856%	0.036	0.233	0.236	17.730	18.470	64.498%	66.298%
3	06:08:13	57.205%	-0.017	0.207	0.221	18.160	17.870	66.205%	67.241%
x		56.114%	-0.005	0.207	0.221	17.950	18.270	64.529%	65.848%
σ		0.989%	0.037	0.027	0.015	0.215	0.347	1.660%	1.664%
%RSD		1.762	707.700	12.890	6.853	1.197	1.898	2.573	2.528

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:47	0.008	0.006	0.068	0.029	0.047	73.910%
2	06:07:30	0.003	0.009	0.031	0.041	0.034	76.013%
3	06:08:13	0.008	0.008	0.033	0.012	0.029	76.654%
x		0.006	0.008	0.044	0.027	0.037	75.526%
σ		0.003	0.002	0.021	0.015	0.009	1.435%
%RSD		52.380	24.830	46.700	54.560	25.330	1.900

180-15594-A-15-B 12/28/2012 6:10:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:09	54.109%	-0.002	40.890	42.710	0.000	9306.000	18670.000	19550.000
2	06:11:52	52.793%	0.002	41.110	43.880	0.000	9047.000	18500.000	19550.000
3	06:12:35	54.587%	-0.002	41.540	42.870	0.000	9075.000	18140.000	19460.000
x		53.830%	-0.000	41.180	43.150	0.000	9143.000	18440.000	19520.000
σ		0.929%	0.002	0.331	0.633	0.000	142.000	269.200	50.390
%RSD		1.725	476.300	0.804	1.466	0.000	1.553	1.460	0.258

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:09	5.646	12360.000	0.000	3085.000	41170.000	45290.000	57.967%	1.345
2	06:11:52	5.913	12290.000	0.000	3054.000	41030.000	45440.000	57.150%	1.668
3	06:12:35	5.811	12170.000	0.000	3020.000	41060.000	45490.000	56.894%	1.208
x		5.790	12270.000	0.000	3053.000	41090.000	45410.000	57.337%	1.407
σ		0.135	96.860	0.000	32.190	75.570	104.400	0.561%	0.236
%RSD		2.322	0.789	0.000	1.054	0.184	0.230	0.978	16.770

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:09	-0.480	0.118	373.400	242.700	430.800	0.281	0.788	0.234
2	06:11:52	0.172	0.135	373.200	248.000	426.500	0.310	0.919	0.260
3	06:12:35	-0.079	0.136	381.600	247.600	419.300	0.306	0.876	0.194
x		-0.129	0.129	376.100	246.100	425.500	0.299	0.861	0.229
σ		0.329	0.010	4.804	2.953	5.810	0.016	0.067	0.033
%RSD		255.000	7.613	1.277	1.200	1.365	5.277	7.761	14.440

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:09	0.281	0.690	0.637	23.790	-0.621	0.554	0.000	219.100
2	06:11:52	0.286	0.513	0.789	24.130	-0.956	-0.561	0.000	219.300
3	06:12:35	0.300	0.612	0.772	23.730	-0.880	-0.238	0.000	217.400
x		0.289	0.605	0.733	23.880	-0.819	-0.082	0.000	218.600
σ		0.010	0.089	0.084	0.215	0.176	0.574	0.000	1.041
%RSD		3.438	14.680	11.410	0.900	21.500	702.000	0.000	0.476

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:09	52.319%	8.319	7.793	56.083%	-0.006	-0.017	-0.085	-0.067
2	06:11:52	53.232%	8.264	8.034	56.602%	-0.008	-0.007	-0.068	-0.059
3	06:12:35	53.547%	8.567	8.078	56.519%	-0.007	-0.012	-0.132	-0.094
x		53.033%	8.384	7.968	56.401%	-0.007	-0.012	-0.095	-0.073
σ		0.638%	0.161	0.153	0.279%	0.001	0.005	0.033	0.018
%RSD		1.202	1.925	1.924	0.494	19.730	40.860	35.130	25.230

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:09	54.250%	0.073	0.099	0.073	66.180	66.840	62.443%	64.056%
2	06:11:52	55.436%	0.124	0.120	0.093	66.080	66.500	64.045%	66.047%
3	06:12:35	55.801%	0.080	0.078	0.103	65.680	66.150	65.342%	66.121%
x		55.162%	0.093	0.099	0.090	65.980	66.500	63.943%	65.408%
σ		0.811%	0.027	0.021	0.015	0.266	0.343	1.452%	1.171%
%RSD		1.470	29.620	21.220	17.210	0.403	0.515	2.272	1.791

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:11:09	-0.004	-0.004	0.041	0.035	0.041	72.906%
2	06:11:52	-0.003	-0.001	0.017	0.016	0.025	74.452%
3	06:12:35	0.000	-0.006	0.016	0.026	0.024	74.789%
x		-0.002	-0.004	0.024	0.026	0.030	74.049%
σ		0.002	0.002	0.014	0.009	0.010	1.004%
%RSD		89.990	56.240	57.520	36.800	33.250	1.356

180-15594-A-20-B 12/28/2012 6:14:47 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:15:30	55.649%	-0.008	24.130	25.160	0.000	7588.000	10510.000	11010.000
2	06:16:13	55.158%	0.001	22.850	24.040	0.000	7442.000	10390.000	10940.000
3	06:16:56	56.254%	0.021	23.290	24.850	0.000	7213.000	10210.000	10890.000
x		55.687%	0.004	23.420	24.680	0.000	7415.000	10370.000	10950.000
σ		0.549%	0.015	0.645	0.580	0.000	188.900	153.300	58.360
%RSD		0.986	345.900	2.756	2.348	0.000	2.548	1.479	0.533
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:15:30	7.749	631.100	0.000	1611.000	30190.000	32700.000	58.554%	0.103
2	06:16:13	7.896	624.600	0.000	1533.000	29760.000	32010.000	60.020%	0.126
3	06:16:56	7.567	614.900	0.000	1565.000	29770.000	32060.000	58.975%	0.184
x		7.737	623.500	0.000	1570.000	29910.000	32250.000	59.183%	0.138
σ		0.165	8.129	0.000	39.090	243.900	385.200	0.755%	0.042
%RSD		2.128	1.304	0.000	2.490	0.815	1.194	1.276	30.400
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:15:30	0.027	0.294	0.756	-15.500	127.300	0.051	0.680	0.884
2	06:16:13	0.305	0.231	0.643	-17.310	123.800	0.039	0.651	0.918
3	06:16:56	0.874	0.294	0.673	-15.430	125.700	0.042	0.671	0.875
x		0.402	0.273	0.691	-16.080	125.600	0.044	0.667	0.892
σ		0.432	0.037	0.059	1.069	1.775	0.006	0.015	0.022
%RSD		107.300	13.430	8.479	6.646	1.413	13.850	2.219	2.509
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:15:30	1.069	1.058	1.202	0.655	-0.856	0.581	0.000	106.300
2	06:16:13	0.955	1.058	1.355	0.319	-0.845	0.003	0.000	106.300
3	06:16:56	0.920	1.016	1.011	0.876	-0.902	0.117	0.000	105.700
x		0.981	1.044	1.189	0.617	-0.868	0.233	0.000	106.100
σ		0.078	0.024	0.173	0.281	0.030	0.306	0.000	0.307
%RSD		7.924	2.325	14.530	45.490	3.488	131.200	0.000	0.290
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:15:30	53.935%	1.558	1.703	57.905%	-0.008	-0.006	-0.049	-0.028
2	06:16:13	54.944%	1.580	1.571	58.117%	-0.005	-0.007	-0.009	-0.014
3	06:16:56	55.698%	1.537	1.445	58.841%	-0.003	-0.007	-0.035	-0.028
x		54.859%	1.558	1.573	58.288%	-0.005	-0.006	-0.031	-0.023
σ		0.885%	0.021	0.129	0.491%	0.002	0.001	0.021	0.008
%RSD		1.612	1.372	8.203	0.843	46.510	10.440	66.250	34.170
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:15:30	55.281%	-0.048	0.206	0.198	18.030	17.430	63.237%	64.161%
2	06:16:13	56.245%	-0.017	0.216	0.199	17.990	18.010	65.237%	66.891%
3	06:16:56	57.658%	-0.082	0.156	0.209	18.130	17.470	66.086%	67.667%
x		56.395%	-0.049	0.193	0.202	18.050	17.640	64.853%	66.240%
σ		1.196%	0.032	0.032	0.006	0.074	0.320	1.463%	1.842%
%RSD		2.120	66.420	16.570	3.029	0.412	1.813	2.256	2.780
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:15:30	0.007	0.005	0.037	0.028	0.036	73.284%		
2	06:16:13	0.008	0.009	0.035	0.031	0.028	75.253%		
3	06:16:56	0.004	0.003	0.040	0.025	0.033	76.422%		
x		0.006	0.006	0.037	0.028	0.032	74.986%		
σ		0.002	0.003	0.002	0.003	0.004	1.586%		
%RSD		35.830	61.630	6.431	10.180	12.880	2.115		

180-15594-A-25-B 12/28/2012 6:19:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:51	54.182%	-0.002	2.389	2.577	0.000	33.070	9.124	8.888
2	06:20:34	52.205%	-0.004	2.418	2.603	0.000	32.520	7.311	7.409
3	06:21:17	52.819%	-0.007	1.932	2.391	0.000	30.060	6.077	6.671
x		53.069%	-0.004	2.246	2.524	0.000	31.890	7.504	7.656
σ		1.012%	0.003	0.273	0.116	0.000	1.603	1.533	1.129
%RSD		1.907	64.840	12.140	4.585	0.000	5.027	20.430	14.750

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:51	0.500	8.683	0.000	0.162	35.510	37.110	57.703%	0.086
2	06:20:34	0.387	7.923	0.000	-1.137	29.720	35.280	57.978%	0.138
3	06:21:17	0.355	8.420	0.000	-0.859	25.260	31.040	55.894%	-0.016
x		0.414	8.342	0.000	-0.611	30.160	34.480	57.192%	0.069
σ		0.076	0.386	0.000	0.684	5.136	3.115	1.132%	0.078
%RSD		18.370	4.625	0.000	111.800	17.030	9.036	1.980	113.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:51	0.104	0.118	0.186	-17.570	-1.060	-0.006	0.249	0.339
2	06:20:34	0.147	0.122	0.179	-18.800	-2.171	-0.009	0.218	0.306
3	06:21:17	-0.286	0.123	0.168	-17.390	-0.068	0.000	0.216	0.299
x		-0.012	0.121	0.178	-17.920	-1.100	-0.005	0.228	0.315
σ		0.239	0.003	0.009	0.769	1.052	0.005	0.018	0.021
%RSD		2056.000	2.197	5.152	4.290	95.660	96.860	8.095	6.794

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:51	0.252	1.295	1.300	-0.180	-1.038	-0.120	0.000	0.173
2	06:20:34	0.313	0.922	1.135	-0.394	-1.255	-0.578	0.000	0.144
3	06:21:17	0.249	0.939	1.027	-0.416	-0.980	-1.268	0.000	0.134
x		0.271	1.052	1.154	-0.330	-1.091	-0.655	0.000	0.150
σ		0.036	0.210	0.138	0.130	0.145	0.578	0.000	0.020
%RSD		13.340	20.000	11.940	39.460	13.300	88.160	0.000	13.480

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:51	52.851%	0.098	0.110	58.479%	-0.009	-0.005	-0.093	-0.073
2	06:20:34	53.614%	0.094	0.075	58.426%	-0.010	-0.011	-0.061	-0.049
3	06:21:17	52.937%	0.100	0.094	57.939%	-0.006	-0.003	-0.103	-0.064
x		53.134%	0.097	0.093	58.281%	-0.008	-0.006	-0.086	-0.062
σ		0.418%	0.003	0.018	0.298%	0.002	0.004	0.022	0.012
%RSD		0.787	3.257	19.150	0.511	22.200	68.400	25.420	19.640

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:51	54.599%	-0.113	-0.000	0.027	0.061	0.048	62.818%	63.703%
2	06:20:34	56.071%	-0.078	0.012	0.012	0.042	0.050	63.872%	65.130%
3	06:21:17	55.212%	-0.098	0.024	0.013	0.071	0.057	63.850%	65.194%
x		55.294%	-0.096	0.012	0.017	0.058	0.051	63.513%	64.676%
σ		0.740%	0.018	0.012	0.009	0.015	0.005	0.602%	0.843%
%RSD		1.337	18.530	101.100	50.190	25.440	9.074	0.948	1.303

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:19:51	-0.003	-0.008	0.041	0.023	0.037	76.840%
2	06:20:34	-0.002	-0.008	0.017	0.019	0.018	77.854%
3	06:21:17	0.003	-0.006	0.010	0.017	0.016	78.332%
x		-0.001	-0.007	0.023	0.020	0.023	77.676%
σ		0.003	0.001	0.016	0.003	0.011	0.762%
%RSD		572.300	14.140	71.370	14.370	48.950	0.981

180-15594-A-31-B 12/28/2012 6:23:29 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:12	54.155%	0.016	2.067	2.116	0.000	39.440	4.369	5.089
2	06:24:55	55.576%	-0.011	1.764	2.127	0.000	37.930	4.873	5.878
3	06:25:38	55.931%	0.000	1.622	2.044	0.000	38.180	4.442	4.939
x		55.221%	0.002	1.818	2.096	0.000	38.520	4.562	5.302
σ		0.940%	0.014	0.227	0.045	0.000	0.807	0.272	0.505
%RSD		1.701	754.300	12.500	2.142	0.000	2.096	5.967	9.519
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:12	0.441	10.160	0.000	0.606	33.170	32.080	58.318%	0.083
2	06:24:55	0.316	7.928	0.000	0.668	33.060	37.920	57.069%	0.067
3	06:25:38	0.254	7.812	0.000	-0.704	30.190	32.430	57.055%	0.013
x		0.337	8.632	0.000	0.190	32.140	34.150	57.481%	0.054
σ		0.095	1.321	0.000	0.775	1.690	3.276	0.725%	0.037
%RSD		28.160	15.300	0.000	408.000	5.257	9.594	1.261	67.940
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:12	-0.109	0.117	0.584	93.370	107.700	-0.000	0.206	0.327
2	06:24:55	-0.293	0.099	0.595	95.200	111.500	0.001	0.271	0.354
3	06:25:38	-0.076	0.117	0.644	96.130	109.100	-0.001	0.242	0.368
x		-0.159	0.111	0.608	94.900	109.500	-0.000	0.240	0.350
σ		0.117	0.010	0.032	1.401	1.922	0.001	0.032	0.021
%RSD		73.670	9.265	5.252	1.476	1.756	5299.000	13.410	6.024
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:12	0.355	0.947	0.874	-0.122	-0.885	-0.166	0.000	0.112
2	06:24:55	0.412	1.023	0.963	-0.179	-0.965	-0.623	0.000	0.120
3	06:25:38	0.319	1.132	0.994	-0.526	-1.158	-0.527	0.000	0.100
x		0.362	1.034	0.944	-0.276	-1.003	-0.439	0.000	0.111
σ		0.047	0.093	0.062	0.219	0.140	0.241	0.000	0.010
%RSD		13.010	8.999	6.614	79.250	13.950	54.930	0.000	9.404
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:12	52.529%	0.068	0.074	57.920%	-0.014	-0.007	0.026	0.016
2	06:24:55	52.849%	0.055	0.070	57.768%	-0.009	-0.009	-0.115	-0.088
3	06:25:38	52.912%	0.063	0.054	58.141%	-0.006	-0.004	-0.008	-0.005
x		52.763%	0.062	0.066	57.943%	-0.009	-0.007	-0.032	-0.026
σ		0.205%	0.006	0.011	0.188%	0.004	0.003	0.073	0.055
%RSD		0.389	10.420	16.170	0.324	40.650	39.780	226.800	213.900
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:12	54.069%	-0.106	0.018	0.017	0.057	0.036	61.030%	62.373%
2	06:24:55	54.872%	-0.080	0.026	0.027	0.038	0.015	62.407%	64.014%
3	06:25:38	55.072%	-0.073	0.010	0.009	0.060	0.041	63.344%	64.918%
x		54.671%	-0.086	0.018	0.018	0.051	0.031	62.260%	63.768%
σ		0.531%	0.018	0.008	0.009	0.012	0.014	1.164%	1.290%
%RSD		0.972	20.590	42.390	50.730	23.230	44.700	1.870	2.023
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:24:12	-0.002	-0.003	0.028	0.034	0.028	75.349%		
2	06:24:55	-0.005	-0.001	0.024	0.031	0.026	76.585%		
3	06:25:38	-0.005	-0.006	0.027	0.004	0.018	77.236%		
x		-0.004	-0.004	0.026	0.023	0.024	76.390%		
σ		0.002	0.002	0.002	0.016	0.006	0.959%		
%RSD		46.290	65.910	8.478	71.710	23.200	1.255		

180-15594-A-49-B 12/28/2012 6:27:51 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:34	54.059%	-0.014	22.810	23.810	0.000	7371.000	10390.000	10980.000
2	06:29:17	52.958%	-0.013	22.730	24.360	0.000	7356.000	10520.000	11100.000
3	06:30:00	55.331%	0.001	22.320	24.470	0.000	7417.000	10390.000	10980.000
x		54.116%	-0.009	22.620	24.210	0.000	7381.000	10430.000	11020.000
σ		1.187%	0.008	0.260	0.355	0.000	31.630	76.370	72.810
%RSD		2.194	93.200	1.149	1.466	0.000	0.428	0.732	0.661

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:34	6.585	615.700	0.000	1571.000	29950.000	29560.000	57.403%	0.033
2	06:29:17	6.438	620.200	0.000	1586.000	29910.000	29650.000	56.432%	0.124
3	06:30:00	6.345	621.600	0.000	1563.000	29760.000	32460.000	57.693%	0.053
x		6.456	619.200	0.000	1573.000	29870.000	30550.000	57.176%	0.070
σ		0.121	3.076	0.000	11.730	99.640	1651.000	0.660%	0.048
%RSD		1.879	0.497	0.000	0.745	0.334	5.403	1.155	68.220

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:34	0.397	0.263	0.460	-15.480	134.600	0.030	0.226	0.625
2	06:29:17	-0.024	0.294	0.431	-14.970	129.600	0.048	0.181	0.661
3	06:30:00	0.582	0.265	0.429	-16.500	131.700	0.029	0.264	0.630
x		0.318	0.274	0.440	-15.650	132.000	0.036	0.224	0.639
σ		0.311	0.018	0.017	0.783	2.466	0.011	0.042	0.020
%RSD		97.610	6.433	3.916	5.006	1.868	30.980	18.680	3.125

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:34	0.715	1.772	1.926	0.417	-0.980	-0.213	0.000	106.500
2	06:29:17	0.737	1.605	1.732	0.840	-0.508	0.014	0.000	107.000
3	06:30:00	0.705	1.609	1.625	0.328	-1.036	-0.495	0.000	105.900
x		0.719	1.662	1.761	0.528	-0.842	-0.231	0.000	106.400
σ		0.016	0.095	0.152	0.273	0.290	0.255	0.000	0.533
%RSD		2.283	5.722	8.653	51.740	34.450	110.100	0.000	0.501

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:34	52.365%	1.484	1.504	56.266%	-0.003	-0.012	-0.043	-0.021
2	06:29:17	53.030%	1.476	1.493	56.634%	-0.001	-0.015	-0.078	-0.061
3	06:30:00	53.872%	1.477	1.491	57.406%	-0.004	-0.010	-0.017	0.002
x		53.089%	1.479	1.496	56.769%	-0.003	-0.012	-0.046	-0.027
σ		0.756%	0.004	0.007	0.582%	0.002	0.002	0.031	0.032
%RSD		1.423	0.286	0.490	1.025	67.230	18.400	66.770	118.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:34	53.862%	-0.192	0.202	0.211	18.190	18.220	61.917%	62.979%
2	06:29:17	54.937%	-0.183	0.197	0.160	18.360	18.350	63.619%	64.792%
3	06:30:00	55.817%	-0.123	0.194	0.164	18.170	18.040	64.339%	66.064%
x		54.872%	-0.166	0.198	0.179	18.240	18.200	63.292%	64.612%
σ		0.979%	0.037	0.004	0.028	0.107	0.158	1.243%	1.551%
%RSD		1.785	22.580	2.091	15.890	0.585	0.867	1.965	2.400

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:28:34	0.004	0.003	0.023	0.014	0.020	73.245%
2	06:29:17	0.004	0.004	0.016	0.019	0.016	74.231%
3	06:30:00	0.001	0.006	0.033	0.018	0.015	75.216%
x		0.003	0.004	0.024	0.017	0.017	74.231%
σ		0.002	0.002	0.008	0.003	0.002	0.985%
%RSD		49.930	42.880	34.580	16.490	13.810	1.327

180-15594-A-54-B 12/28/2012 6:32:13 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:56	55.436%	-0.002	41.670	42.230	0.000	9293.000	18500.000	19580.000
2	06:33:39	52.193%	-0.010	39.740	43.570	0.000	9277.000	19020.000	20070.000
3	06:34:22	53.743%	-0.020	37.970	42.340	0.000	9213.000	18700.000	19680.000
x		53.791%	-0.011	39.800	42.710	0.000	9261.000	18740.000	19780.000
σ		1.622%	0.009	1.851	0.746	0.000	42.270	262.400	258.500
%RSD		3.015	81.210	4.652	1.746	0.000	0.456	1.401	1.307

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:56	0.751	13000.000	0.000	3145.000	41970.000	46690.000	58.863%	1.366
2	06:33:39	0.605	13180.000	0.000	3079.000	42030.000	46760.000	56.266%	1.422
3	06:34:22	0.580	13020.000	0.000	3112.000	42550.000	46120.000	56.367%	1.736
x		0.645	13070.000	0.000	3112.000	42180.000	46520.000	57.165%	1.508
σ		0.092	99.180	0.000	33.160	321.200	350.400	1.471%	0.200
%RSD		14.270	0.759	0.000	1.066	0.761	0.753	2.574	13.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:56	0.437	0.090	375.200	247.800	449.700	0.329	0.384	0.104
2	06:33:39	0.119	0.077	386.300	256.500	444.300	0.299	0.408	0.111
3	06:34:22	-0.111	0.102	383.100	250.600	433.500	0.295	0.319	0.116
x		0.148	0.090	381.500	251.600	442.500	0.308	0.370	0.110
σ		0.275	0.013	5.678	4.421	8.242	0.019	0.046	0.006
%RSD		185.600	14.370	1.488	1.757	1.862	6.035	12.440	5.621

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:56	0.167	3.048	3.443	24.390	-0.965	0.040	0.000	221.700
2	06:33:39	0.194	3.075	3.281	25.910	-0.861	0.454	0.000	222.200
3	06:34:22	0.187	3.533	3.312	24.950	-0.697	0.069	0.000	221.000
x		0.183	3.218	3.345	25.080	-0.841	0.188	0.000	221.600
σ		0.014	0.273	0.086	0.768	0.135	0.231	0.000	0.612
%RSD		7.768	8.469	2.563	3.063	16.080	122.900	0.000	0.276

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:56	52.093%	7.746	7.910	56.059%	-0.008	-0.010	-0.028	0.001
2	06:33:39	52.579%	8.488	7.737	55.465%	-0.008	-0.011	-0.063	-0.061
3	06:34:22	53.238%	8.202	8.151	56.407%	-0.013	-0.005	-0.076	-0.071
x		52.637%	8.145	7.933	55.977%	-0.010	-0.009	-0.056	-0.043
σ		0.575%	0.374	0.208	0.476%	0.003	0.003	0.024	0.039
%RSD		1.092	4.594	2.619	0.851	26.080	32.750	43.850	90.080

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:56	53.828%	-0.280	0.076	0.083	67.660	67.260	61.482%	62.920%
2	06:33:39	55.001%	-0.222	0.081	0.091	66.570	68.160	62.932%	64.781%
3	06:34:22	55.221%	-0.269	0.069	0.087	67.740	67.900	64.204%	65.560%
x		54.683%	-0.257	0.076	0.087	67.320	67.770	62.872%	64.420%
σ		0.749%	0.031	0.006	0.004	0.651	0.467	1.362%	1.357%
%RSD		1.370	12.160	7.764	4.790	0.967	0.690	2.166	2.106

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:56	-0.000	-0.007	0.033	0.031	0.034	72.427%
2	06:33:39	-0.004	-0.007	0.035	0.036	0.029	73.296%
3	06:34:22	-0.003	-0.009	0.011	0.011	0.019	74.503%
x		-0.002	-0.008	0.026	0.026	0.027	73.409%
σ		0.002	0.001	0.013	0.013	0.007	1.043%
%RSD		89.650	13.100	50.790	51.010	26.990	1.420

LCS 180-53015/2-A 12/28/2012 6:36:35 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:18	46.420%	46.280	848.600	896.200	0.000	43170.000	45440.000	48580.000
2	06:38:01	45.805%	46.510	863.300	906.100	0.000	42800.000	45550.000	48820.000
3	06:38:44	46.558%	46.390	871.300	910.500	0.000	42380.000	45020.000	46610.000
x		46.261%	46.390	861.100	904.300	0.000	42780.000	45340.000	48000.000
σ		0.401%	0.112	11.490	7.289	0.000	394.700	280.500	1212.000
%RSD		0.867	0.241	1.334	0.806	0.000	0.923	0.619	2.525

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:18	1924.000	9485.000	0.000	44940.000	46210.000	50070.000	49.635%	938.500
2	06:38:01	1939.000	9436.000	0.000	45010.000	46460.000	49880.000	49.440%	933.300
3	06:38:44	1858.000	9143.000	0.000	44440.000	46610.000	50000.000	50.636%	908.500
x		1907.000	9355.000	0.000	44790.000	46430.000	49980.000	49.903%	926.800
σ		42.860	185.300	0.000	310.400	200.900	95.740	0.642%	16.040
%RSD		2.247	1.981	0.000	0.693	0.433	0.192	1.286	1.731

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:18	478.300	186.100	511.000	1033.000	1184.000	446.700	438.000	238.600
2	06:38:01	474.200	185.500	514.400	1014.000	1161.000	440.000	438.200	238.400
3	06:38:44	458.000	180.300	501.300	1002.000	1142.000	437.700	434.600	237.800
x		470.200	183.900	508.900	1016.000	1163.000	441.500	436.900	238.300
σ		10.750	3.202	6.820	15.570	21.030	4.699	2.012	0.404
%RSD		2.287	1.741	1.340	1.532	1.809	1.065	0.460	0.169

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:18	236.400	493.700	492.800	35.730	8.492	8.907	0.000	921.900
2	06:38:01	237.400	486.100	487.100	36.170	8.345	10.030	0.000	920.900
3	06:38:44	233.700	483.700	487.400	33.880	8.506	9.211	0.000	911.800
x		235.800	487.800	489.100	35.260	8.448	9.384	0.000	918.200
σ		1.934	5.194	3.194	1.213	0.089	0.583	0.000	5.541
%RSD		0.820	1.065	0.653	3.440	1.057	6.208	0.000	0.604

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:18	50.325%	887.600	893.000	50.937%	43.940	45.030	46.880	44.390
2	06:38:01	50.650%	894.000	899.100	50.932%	44.700	45.530	47.530	44.910
3	06:38:44	50.937%	893.200	905.600	51.588%	44.360	45.430	48.020	45.210
x		50.637%	891.600	899.200	51.152%	44.330	45.330	47.480	44.830
σ		0.306%	3.463	6.298	0.377%	0.382	0.267	0.572	0.414
%RSD		0.605	0.389	0.700	0.737	0.862	0.588	1.204	0.924

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:18	52.163%	1858.000	461.700	457.300	1674.000	1692.000	62.236%	63.266%
2	06:38:01	53.179%	1844.000	462.200	457.300	1686.000	1687.000	63.190%	64.916%
3	06:38:44	52.787%	1861.000	462.700	461.900	1689.000	1692.000	64.030%	65.900%
x		52.710%	1854.000	462.200	458.800	1683.000	1690.000	63.152%	64.694%
σ		0.512%	9.080	0.475	2.613	7.975	2.914	0.898%	1.331%
%RSD		0.972	0.490	0.103	0.570	0.474	0.172	1.421	2.057

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:37:18	39.820	39.980	16.720	16.560	16.500	67.815%
2	06:38:01	40.900	40.670	16.680	16.710	16.650	68.833%
3	06:38:44	41.120	41.000	16.710	16.760	16.690	68.969%
x		40.620	40.550	16.710	16.680	16.610	68.539%
σ		0.697	0.518	0.020	0.107	0.102	0.631%
%RSD		1.716	1.278	0.118	0.643	0.614	0.920

LCSD 180-53015/3-A 12/28/2012 6:40:58 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:41:41	48.677%	46.830	878.500	911.800	0.000	43440.000	45790.000	49200.000
2	06:42:24	47.473%	48.420	900.000	937.800	0.000	43200.000	45430.000	47950.000
3	06:43:07	47.484%	47.540	903.300	944.800	0.000	43910.000	45610.000	48330.000
x		47.878%	47.600	893.900	931.500	0.000	43520.000	45610.000	48490.000
σ		0.692%	0.798	13.430	17.370	0.000	362.700	178.900	637.700
%RSD		1.445	1.677	1.503	1.865	0.000	0.833	0.392	1.315

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:41:41	1943.000	9514.000	0.000	45210.000	46140.000	50700.000	51.440%	959.000
2	06:42:24	1901.000	9503.000	0.000	44800.000	46780.000	50680.000	51.023%	952.800
3	06:43:07	1922.000	9368.000	0.000	44600.000	46150.000	50520.000	49.924%	959.200
x		1922.000	9462.000	0.000	44870.000	46360.000	50630.000	50.796%	957.000
σ		21.060	81.290	0.000	309.400	363.900	97.380	0.783%	3.619
%RSD		1.096	0.859	0.000	0.690	0.785	0.192	1.542	0.378

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:41:41	486.500	190.800	523.500	1052.000	1199.000	453.100	450.400	227.200
2	06:42:24	486.800	190.000	522.100	1046.000	1188.000	455.300	457.900	229.700
3	06:43:07	482.500	189.200	519.300	1039.000	1183.000	454.600	450.800	229.800
x		485.300	190.000	521.600	1046.000	1190.000	454.300	453.100	228.900
σ		2.389	0.809	2.168	6.743	8.290	1.151	4.220	1.428
%RSD		0.492	0.426	0.416	0.645	0.697	0.253	0.931	0.624

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:41:41	223.800	494.200	492.700	35.920	8.330	9.597	0.000	942.700
2	06:42:24	228.100	499.800	502.600	36.370	8.679	9.190	0.000	935.100
3	06:43:07	227.300	504.600	506.500	36.150	8.771	8.921	0.000	936.700
x		226.400	499.500	500.600	36.150	8.593	9.236	0.000	938.200
σ		2.298	5.193	7.097	0.226	0.233	0.341	0.000	3.995
%RSD		1.015	1.040	1.418	0.625	2.712	3.690	0.000	0.426

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:41:41	51.219%	908.500	912.000	51.600%	45.770	46.090	48.110	45.500
2	06:42:24	51.414%	912.500	913.600	51.508%	45.240	46.330	48.020	45.600
3	06:43:07	51.277%	919.800	925.800	51.697%	46.000	46.250	47.470	45.060
x		51.304%	913.600	917.200	51.602%	45.670	46.220	47.870	45.380
σ		0.100%	5.722	7.547	0.094%	0.392	0.123	0.345	0.287
%RSD		0.195	0.626	0.823	0.183	0.859	0.265	0.721	0.632

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:41:41	52.300%	1886.000	469.200	465.900	1728.000	1728.000	62.530%	63.725%
2	06:42:24	53.020%	1884.000	469.000	466.200	1731.000	1735.000	63.454%	65.398%
3	06:43:07	53.331%	1892.000	471.300	467.100	1724.000	1729.000	63.973%	65.115%
x		52.884%	1887.000	469.900	466.400	1728.000	1731.000	63.319%	64.746%
σ		0.529%	4.425	1.251	0.649	3.354	3.665	0.731%	0.896%
%RSD		0.999	0.234	0.266	0.139	0.194	0.212	1.155	1.383

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:41:41	41.560	41.670	17.160	17.130	16.980	66.740%
2	06:42:24	41.480	41.570	17.080	17.150	17.020	68.282%
3	06:43:07	41.980	41.960	17.470	17.160	17.120	68.419%
x		41.670	41.730	17.240	17.150	17.040	67.814%
σ		0.272	0.203	0.205	0.015	0.074	0.932%
%RSD		0.652	0.486	1.190	0.088	0.436	1.375

CCV 664806 12/28/2012 6:48:17 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:49:00	58.486%	98.220	102.700	105.400	0.000	47820.000	48260.000	50020.000
2	06:49:43	57.602%	99.170	100.700	102.700	0.000	47020.000	47090.000	48980.000
3	06:50:26	57.026%	98.170	101.000	103.200	0.000	47260.000	47450.000	48950.000
x		57.705%	98.519%	101.479%	103.765%	0.000	94.731%	95.200%	98.634%
σ		0.735%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.274	0.574	1.076	1.390	0.000	0.873	1.258	1.243

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:49:00	521.000	5085.000	0.000	47920.000	47160.000	50630.000	70.000%	96.680
2	06:49:43	525.200	5124.000	0.000	47260.000	47370.000	50400.000	68.969%	99.530
3	06:50:26	512.800	5070.000	0.000	47410.000	47450.000	50230.000	69.421%	97.750
x		103.938%	101.863%	0.000	95.059%	94.655%	100.840%	69.463%	97.987%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.517%	n/a
%RSD		1.213	0.550	0.000	0.737	0.316	0.401	0.744	1.474

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:49:00	95.850	94.850	467.300	26030.000	25560.000	93.120	92.210	93.460
2	06:49:43	95.490	95.050	483.300	26270.000	25840.000	93.160	93.370	94.440
3	06:50:26	95.950	95.930	475.800	26320.000	25680.000	92.400	91.400	92.660
x		95.762%	95.279%	95.090%	104.808%	102.765%	92.894%	92.327%	93.521%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.251	0.605	1.689	0.592	0.552	0.463	1.074	0.951

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:49:00	92.860	100.800	101.400	95.620	101.000	102.100	0.000	97.390
2	06:49:43	94.080	101.600	102.200	97.540	100.700	104.500	0.000	98.010
3	06:50:26	94.460	102.600	103.800	96.650	101.100	100.300	0.000	97.580
x		93.800%	101.658%	102.445%	96.604%	100.951%	102.286%	0.000	97.661%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.896	0.916	1.170	0.997	0.229	2.083	0.000	0.328

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:49:00	59.684%	96.970	94.860	60.766%	94.090	95.940	99.710	103.000
2	06:49:43	60.837%	98.270	99.590	61.171%	95.640	95.320	100.000	103.200
3	06:50:26	61.746%	98.870	98.570	61.571%	94.140	96.320	100.400	103.200
x		60.756%	98.038%	97.675%	61.169%	94.624%	95.858%	100.045%	103.120%
σ		1.033%	n/a	n/a	0.402%	n/a	n/a	n/a	n/a
%RSD		1.701	0.992	2.545	0.657	0.931	0.524	0.336	0.112

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:49:00	59.805%	99.820	100.100	100.300	95.170	96.370	62.655%	63.274%
2	06:49:43	61.566%	98.920	100.300	99.850	95.160	96.660	64.492%	65.264%
3	06:50:26	62.665%	99.970	101.100	99.950	97.190	97.370	65.090%	66.646%
x		61.345%	99.569%	100.497%	100.047%	95.838%	96.804%	64.079%	65.062%
σ		1.443%	n/a	n/a	n/a	n/a	n/a	1.269%	1.695%
%RSD		2.352	0.571	0.559	0.261	1.221	0.532	1.980	2.606

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:49:00	92.780	92.630	92.440	92.410	91.840	67.978%
2	06:49:43	94.320	93.360	94.880	93.090	93.290	69.815%
3	06:50:26	94.230	93.990	95.530	94.510	94.380	70.313%
x		93.774%	93.328%	94.283%	93.335%	93.168%	69.369%
σ		n/a	n/a	n/a	n/a	n/a	1.230%
%RSD		0.919	0.726	1.727	1.147	1.368	1.773

CCB15 12/28/2012 6:55:36 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:19	88.217%	0.009	2.906	3.102	0.000	10.360	6.830	7.053
2	06:57:02	90.275%	-0.008	2.681	2.998	0.000	9.861	6.425	6.602
3	06:57:45	87.904%	-0.002	2.588	2.863	0.000	9.710	6.214	6.839
x		88.799%	-0.000	2.725	2.988	0.000	9.975	6.490	6.831
σ		1.288%	0.009	0.164	0.120	0.000	0.338	0.313	0.225
%RSD		1.451	1812.000	6.012	4.017	0.000	3.384	4.828	3.299

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:19	2.225	-4.121	0.000	-12.310	18.260	22.990	93.698%	-0.014
2	06:57:02	2.211	-4.188	0.000	-12.400	19.760	24.130	90.606%	-0.077
3	06:57:45	2.281	-4.177	0.000	-12.870	27.550	21.110	92.314%	0.062
x		2.239	-4.162	0.000	-12.530	21.860	22.750	92.206%	-0.010
σ		0.037	0.036	0.000	0.304	4.987	1.526	1.549%	0.070
%RSD		1.653	0.862	0.000	2.426	22.820	6.708	1.679	729.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:19	0.019	-0.123	0.311	-16.500	14.450	0.007	0.043	0.020
2	06:57:02	0.007	-0.122	0.330	-18.150	11.170	0.007	0.032	0.018
3	06:57:45	0.029	-0.111	0.336	-19.360	9.396	0.008	0.072	0.024
x		0.019	-0.119	0.326	-18.000	11.670	0.007	0.049	0.021
σ		0.011	0.007	0.013	1.436	2.563	0.001	0.021	0.003
%RSD		59.210	5.746	4.040	7.980	21.960	7.134	42.220	14.210

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:19	0.026	1.908	1.758	-0.459	-1.385	-1.785	0.000	0.048
2	06:57:02	0.027	1.893	1.941	-0.388	-1.453	-1.700	0.000	0.061
3	06:57:45	0.010	1.792	1.832	-0.585	-1.364	-2.553	0.000	0.050
x		0.021	1.864	1.844	-0.477	-1.400	-2.013	0.000	0.053
σ		0.010	0.063	0.092	0.100	0.047	0.470	0.000	0.007
%RSD		46.260	3.383	4.985	20.910	3.320	23.340	0.000	13.430

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:19	78.525%	0.401	0.374	81.996%	0.006	-0.000	-0.139	-0.097
2	06:57:02	78.916%	0.366	0.381	81.863%	0.003	0.005	-0.090	-0.069
3	06:57:45	79.040%	0.294	0.347	81.941%	0.002	-0.002	-0.190	-0.126
x		78.827%	0.354	0.367	81.933%	0.003	0.001	-0.140	-0.097
σ		0.269%	0.054	0.018	0.067%	0.002	0.004	0.050	0.028
%RSD		0.341	15.370	4.845	0.082	59.480	306.300	35.580	29.250

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:19	78.267%	-0.135	0.032	0.032	0.040	0.032	80.455%	81.777%
2	06:57:02	79.672%	-0.169	0.024	0.042	0.047	0.038	82.338%	83.946%
3	06:57:45	80.710%	-0.289	0.026	0.020	0.026	0.023	83.336%	84.345%
x		79.550%	-0.198	0.028	0.032	0.038	0.031	82.043%	83.356%
σ		1.226%	0.081	0.004	0.011	0.011	0.007	1.463%	1.382%
%RSD		1.541	40.800	14.880	34.500	28.790	23.820	1.783	1.658

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:19	0.039	0.035	0.088	0.081	0.078	89.546%
2	06:57:02	0.031	0.027	0.071	0.052	0.064	91.062%
3	06:57:45	0.031	0.024	0.065	0.070	0.061	91.333%
x		0.034	0.029	0.075	0.068	0.067	90.647%
σ		0.005	0.006	0.012	0.015	0.009	0.963%
%RSD		13.680	19.870	15.640	21.530	13.550	1.063

MB 180-53015/1-A 12/28/2012 6:59:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:42	57.616%	-0.001	3.605	3.612	0.000	-1.007	0.704	0.539
2	07:01:25	56.458%	-0.000	3.243	3.425	0.000	-0.774	0.864	0.556
3	07:02:08	57.947%	-0.007	2.909	3.355	0.000	-1.340	0.343	0.192
x		57.340%	-0.003	3.253	3.464	0.000	-1.040	0.637	0.429
σ		0.782%	0.004	0.348	0.133	0.000	0.284	0.267	0.205
%RSD		1.363	139.000	10.710	3.828	0.000	27.340	41.970	47.850
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:42	-0.807	1.057	0.000	-9.620	0.812	-1.019	65.577%	0.015
2	07:01:25	-0.831	0.986	0.000	-8.637	0.945	-3.430	64.873%	0.084
3	07:02:08	-0.892	-0.210	0.000	-10.310	-4.143	-3.110	64.896%	-0.040
x		-0.843	0.611	0.000	-9.522	-0.795	-2.520	65.115%	0.019
σ		0.044	0.712	0.000	0.840	2.900	1.310	0.400%	0.062
%RSD		5.219	116.500	0.000	8.822	364.500	51.980	0.614	320.800
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:42	0.034	-0.091	0.108	-15.720	1.463	-0.002	0.038	0.007
2	07:01:25	-0.004	-0.112	0.091	-17.060	0.797	-0.002	0.044	0.003
3	07:02:08	-0.034	-0.114	0.095	-18.240	-1.274	-0.009	0.056	0.002
x		-0.002	-0.106	0.098	-17.010	0.328	-0.004	0.046	0.004
σ		0.034	0.013	0.009	1.260	1.427	0.004	0.009	0.003
%RSD		1906.000	12.010	8.968	7.408	434.700	92.110	19.900	66.630
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:42	-0.003	-0.727	-0.731	-0.251	-0.870	-1.116	0.000	0.009
2	07:01:25	0.020	-0.606	-0.681	-0.111	-0.951	-0.617	0.000	0.013
3	07:02:08	0.030	-0.586	-0.746	-0.180	-0.930	-0.754	0.000	0.007
x		0.016	-0.640	-0.719	-0.181	-0.917	-0.829	0.000	0.010
σ		0.017	0.076	0.034	0.070	0.042	0.258	0.000	0.003
%RSD		108.300	11.900	4.743	38.810	4.570	31.090	0.000	32.670
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:42	57.613%	0.237	0.290	64.079%	-0.002	-0.010	-0.039	-0.037
2	07:01:25	57.250%	0.296	0.326	62.867%	-0.001	-0.005	-0.011	-0.020
3	07:02:08	57.286%	0.251	0.285	63.110%	-0.011	-0.005	-0.016	-0.020
x		57.383%	0.261	0.300	63.352%	-0.005	-0.007	-0.022	-0.026
σ		0.200%	0.031	0.022	0.641%	0.005	0.003	0.015	0.010
%RSD		0.349	11.760	7.346	1.012	116.200	43.990	69.260	39.260
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:42	58.142%	0.011	0.019	0.019	-0.009	-0.002	63.928%	64.272%
2	07:01:25	58.506%	-0.129	0.019	0.029	-0.009	0.020	64.665%	65.778%
3	07:02:08	58.977%	-0.163	0.004	0.019	0.007	0.001	65.317%	66.348%
x		58.541%	-0.093	0.014	0.022	-0.004	0.006	64.637%	65.466%
σ		0.419%	0.092	0.009	0.006	0.009	0.012	0.695%	1.073%
%RSD		0.715	98.570	61.640	26.140	235.600	198.400	1.075	1.638
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	07:00:42	0.022	0.020	0.036	0.029	0.033	80.748%		
2	07:01:25	0.018	0.023	0.021	0.019	0.018	80.425%		
3	07:02:08	0.012	0.020	0.017	0.012	0.009	81.464%		
x		0.017	0.021	0.025	0.020	0.020	80.879%		
σ		0.005	0.002	0.010	0.009	0.012	0.531%		
%RSD		28.140	8.691	40.630	43.950	61.800	0.657		

180-15469-A-4-B 12/28/2012 7:04:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:05:05	50.523%	0.020	60.860	65.990	0.000	12770.000	15230.000	16240.000
2	07:05:48	51.376%	-0.013	58.970	62.890	0.000	12590.000	14970.000	15790.000
3	07:06:31	49.292%	0.001	61.740	64.240	0.000	12350.000	14970.000	15920.000
x		50.397%	0.003	60.520	64.370	0.000	12570.000	15060.000	15980.000
σ		1.048%	0.017	1.412	1.554	0.000	210.100	147.600	233.100
%RSD		2.079	571.600	2.333	2.414	0.000	1.671	0.980	1.458

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:05:05	15.190	23080.000	0.000	6938.000	49130.000	54890.000	52.124%	3.211
2	07:05:48	15.020	22680.000	0.000	6697.000	48210.000	53060.000	51.750%	2.718
3	07:06:31	14.540	22520.000	0.000	6626.000	47960.000	53130.000	51.785%	2.991
x		14.920	22760.000	0.000	6754.000	48430.000	53690.000	51.886%	2.973
σ		0.337	288.700	0.000	163.600	612.400	1034.000	0.207%	0.247
%RSD		2.259	1.268	0.000	2.423	1.264	1.925	0.399	8.310

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:05:05	0.137	0.471	169.700	255.900	466.400	0.360	0.470	2.847
2	07:05:48	0.373	0.404	168.900	253.800	454.200	0.339	0.484	2.676
3	07:06:31	-0.752	0.403	169.800	250.600	450.100	0.337	0.405	2.777
x		-0.081	0.426	169.400	253.400	456.900	0.346	0.453	2.767
σ		0.593	0.039	0.473	2.707	8.473	0.013	0.042	0.086
%RSD		734.000	9.152	0.279	1.068	1.854	3.740	9.362	3.116

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:05:05	2.634	3.164	3.505	7.634	-0.804	0.550	0.000	437.700
2	07:05:48	2.693	3.531	2.865	6.615	-0.977	-0.541	0.000	439.000
3	07:06:31	2.817	3.409	3.823	7.300	-0.647	-0.731	0.000	441.800
x		2.715	3.368	3.398	7.183	-0.809	-0.241	0.000	439.500
σ		0.093	0.187	0.488	0.519	0.165	0.692	0.000	2.131
%RSD		3.433	5.551	14.360	7.229	20.380	287.500	0.000	0.485

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:05:05	48.643%	4.142	4.160	51.833%	-0.006	-0.001	-0.055	-0.047
2	07:05:48	49.730%	4.231	4.058	51.911%	-0.008	-0.013	-0.109	-0.077
3	07:06:31	49.645%	4.252	4.109	51.685%	-0.005	-0.005	-0.144	-0.127
x		49.339%	4.208	4.109	51.810%	-0.006	-0.007	-0.103	-0.084
σ		0.605%	0.058	0.051	0.115%	0.001	0.006	0.045	0.041
%RSD		1.226	1.381	1.239	0.221	23.990	91.220	43.630	48.520

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:05:05	50.791%	2.925	0.099	0.144	145.200	148.700	59.812%	60.807%
2	07:05:48	51.780%	2.548	0.099	0.158	145.400	148.000	61.554%	63.023%
3	07:06:31	51.710%	2.297	0.099	0.128	146.400	149.000	61.734%	62.906%
x		51.427%	2.590	0.099	0.143	145.700	148.600	61.033%	62.245%
σ		0.552%	0.317	0.000	0.015	0.621	0.536	1.062%	1.247%
%RSD		1.073	12.220	0.217	10.470	0.426	0.361	1.740	2.003

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:05:05	0.016	0.018	0.582	0.545	0.568	68.840%
2	07:05:48	0.016	0.018	0.596	0.576	0.583	70.705%
3	07:06:31	0.014	0.009	0.636	0.548	0.583	71.415%
x		0.015	0.015	0.605	0.556	0.578	70.320%
σ		0.001	0.005	0.028	0.017	0.008	1.330%
%RSD		8.851	32.810	4.592	3.080	1.466	1.891

180-15469-A-4-B SD@5 12/28/2012 7:08:45 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:09:28	54.704%	-0.002	15.120	15.690	0.000	2668.000	3139.000	3248.000
2	07:10:11	54.792%	-0.011	14.350	14.990	0.000	2545.000	2994.000	3121.000
3	07:10:54	54.863%	0.010	13.660	14.720	0.000	2549.000	2985.000	3106.000
x		54.786%	-0.001	14.380	15.130	0.000	2587.000	3039.000	3158.000
σ		0.080%	0.011	0.726	0.500	0.000	70.050	86.500	77.920
%RSD		0.146	993.500	5.052	3.304	0.000	2.707	2.846	2.467
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:09:28	3.017	4782.000	0.000	1392.000	9789.000	10450.000	57.616%	0.763
2	07:10:11	2.733	4612.000	0.000	1352.000	9734.000	10330.000	58.854%	0.764
3	07:10:54	2.620	4590.000	0.000	1374.000	9859.000	10330.000	58.551%	0.832
x		2.790	4661.000	0.000	1373.000	9794.000	10370.000	58.341%	0.786
σ		0.204	104.800	0.000	19.630	62.960	69.750	0.645%	0.039
%RSD		7.326	2.247	0.000	1.430	0.643	0.672	1.106	5.003
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:09:28	0.184	0.037	34.830	35.360	97.400	0.069	0.150	0.052
2	07:10:11	-0.038	0.003	34.180	31.550	89.280	0.060	0.103	0.085
3	07:10:54	0.033	-0.043	33.660	31.670	85.850	0.051	0.109	0.048
x		0.060	-0.001	34.220	32.860	90.840	0.060	0.121	0.061
σ		0.114	0.040	0.588	2.167	5.932	0.009	0.026	0.020
%RSD		189.800	3550.000	1.718	6.594	6.530	14.790	21.240	32.950
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:09:28	0.112	-0.017	-0.148	1.381	-1.002	-0.329	0.000	89.800
2	07:10:11	0.142	0.338	0.090	1.355	-0.826	-0.360	0.000	87.790
3	07:10:54	0.089	0.060	0.200	1.459	-0.676	-0.399	0.000	86.960
x		0.114	0.127	0.048	1.399	-0.835	-0.363	0.000	88.180
σ		0.026	0.187	0.178	0.054	0.163	0.035	0.000	1.459
%RSD		23.160	146.900	372.600	3.848	19.510	9.698	0.000	1.654
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:09:28	52.519%	1.043	1.050	57.612%	-0.007	-0.008	-0.095	-0.074
2	07:10:11	53.536%	0.961	1.016	58.618%	-0.010	-0.004	-0.053	-0.029
3	07:10:54	54.095%	0.993	0.930	58.581%	-0.005	-0.011	-0.083	-0.078
x		53.383%	0.999	0.999	58.270%	-0.008	-0.008	-0.077	-0.060
σ		0.799%	0.041	0.062	0.570%	0.003	0.004	0.022	0.028
%RSD		1.497	4.129	6.159	0.979	33.640	45.810	28.210	45.470
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:09:28	54.688%	-0.090	0.019	0.024	30.130	30.620	61.416%	62.254%
2	07:10:11	55.933%	-0.109	0.022	0.010	30.510	30.720	63.497%	65.249%
3	07:10:54	56.687%	-0.084	0.016	0.010	29.910	30.550	64.398%	65.347%
x		55.769%	-0.094	0.019	0.015	30.180	30.630	63.103%	64.283%
σ		1.009%	0.013	0.003	0.008	0.305	0.085	1.530%	1.758%
%RSD		1.809	13.860	15.900	53.750	1.012	0.279	2.424	2.735
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	07:09:28	0.012	0.008	0.129	0.141	0.132	75.889%		
2	07:10:11	0.006	0.011	0.128	0.137	0.126	76.775%		
3	07:10:54	0.010	0.007	0.119	0.127	0.114	77.870%		
x		0.009	0.009	0.126	0.135	0.124	76.845%		
σ		0.003	0.002	0.005	0.008	0.009	0.993%		
%RSD		34.860	24.400	4.360	5.644	7.286	1.292		

180-15469-A-9-B 12/28/2012 7:13:09 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:13:52	53.601%	0.011	23.720	25.880	0.000	7147.000	10200.000	10950.000
2	07:14:35	53.014%	-0.007	24.430	25.940	0.000	7166.000	10270.000	10950.000
3	07:15:18	53.788%	-0.001	24.340	25.490	0.000	7064.000	10190.000	10920.000
x		53.468%	0.001	24.160	25.770	0.000	7126.000	10220.000	10940.000
σ		0.404%	0.009	0.387	0.245	0.000	54.400	45.400	18.650
%RSD		0.755	1150.000	1.600	0.949	0.000	0.763	0.444	0.171

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:13:52	7.477	645.900	0.000	1570.000	29650.000	29760.000	55.450%	0.286
2	07:14:35	7.090	638.500	0.000	1561.000	29520.000	29570.000	54.615%	0.169
3	07:15:18	7.419	644.100	0.000	1588.000	29800.000	29260.000	53.888%	0.219
x		7.329	642.800	0.000	1573.000	29660.000	29530.000	54.651%	0.225
σ		0.209	3.824	0.000	13.700	139.300	253.900	0.781%	0.059
%RSD		2.848	0.595	0.000	0.871	0.470	0.860	1.430	26.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:13:52	0.015	0.483	1.560	-14.840	130.900	0.054	1.596	2.194
2	07:14:35	0.661	0.448	1.605	-17.010	128.800	0.072	1.669	2.106
3	07:15:18	0.380	0.475	1.595	-16.890	122.300	0.062	1.568	2.142
x		0.352	0.469	1.587	-16.250	127.300	0.063	1.611	2.148
σ		0.324	0.018	0.024	1.218	4.467	0.009	0.053	0.044
%RSD		92.050	3.947	1.492	7.499	3.508	14.740	3.260	2.055

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:13:52	2.243	3.362	3.399	-0.223	-0.671	-1.058	0.000	107.900
2	07:14:35	2.192	3.469	3.475	0.374	-0.827	-0.464	0.000	108.000
3	07:15:18	2.152	3.293	3.347	0.186	-0.866	-0.747	0.000	107.400
x		2.196	3.375	3.407	0.112	-0.788	-0.756	0.000	107.800
σ		0.045	0.088	0.064	0.305	0.103	0.297	0.000	0.303
%RSD		2.071	2.615	1.887	271.900	13.080	39.250	0.000	0.282

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:13:52	51.349%	1.709	1.626	54.829%	-0.004	-0.006	0.044	0.022
2	07:14:35	51.434%	1.663	1.600	54.860%	-0.011	-0.002	-0.065	-0.066
3	07:15:18	52.043%	1.628	1.712	55.228%	-0.009	-0.005	-0.041	-0.066
x		51.609%	1.667	1.646	54.972%	-0.008	-0.004	-0.021	-0.036
σ		0.378%	0.041	0.059	0.222%	0.004	0.002	0.058	0.051
%RSD		0.733	2.441	3.558	0.404	47.700	42.370	276.400	139.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:13:52	52.706%	0.991	0.224	0.268	17.530	18.190	61.381%	62.572%
2	07:14:35	53.886%	0.970	0.253	0.212	18.680	18.370	63.633%	64.590%
3	07:15:18	53.832%	1.025	0.218	0.216	17.950	18.570	63.587%	65.204%
x		53.475%	0.996	0.232	0.232	18.050	18.380	62.867%	64.122%
σ		0.666%	0.028	0.019	0.031	0.578	0.190	1.287%	1.377%
%RSD		1.246	2.788	8.078	13.450	3.201	1.033	2.047	2.147

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:13:52	0.015	0.012	0.059	0.061	0.067	72.586%
2	07:14:35	0.016	0.013	0.058	0.062	0.060	73.604%
3	07:15:18	0.015	0.013	0.066	0.049	0.053	74.532%
x		0.016	0.012	0.061	0.057	0.060	73.574%
σ		0.001	0.000	0.005	0.008	0.007	0.974%
%RSD		5.098	3.187	7.915	13.100	11.540	1.323

180-15469-A-14-B 12/28/2012 7:17:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:14	52.799%	0.002	24.000	26.750	0.000	7535.000	10820.000	11360.000
2	07:18:58	54.230%	-0.011	23.810	26.180	0.000	7424.000	10700.000	11320.000
3	07:19:41	54.455%	-0.017	24.000	26.040	0.000	7375.000	10760.000	11590.000
x		53.828%	-0.008	23.940	26.320	0.000	7445.000	10760.000	11420.000
σ		0.898%	0.010	0.114	0.377	0.000	81.670	63.430	148.100
%RSD		1.668	115.700	0.475	1.433	0.000	1.097	0.590	1.296
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:14	6.626	659.200	0.000	1635.000	30830.000	31200.000	54.471%	0.193
2	07:18:58	6.410	646.300	0.000	1617.000	30500.000	31340.000	54.290%	0.273
3	07:19:41	6.340	656.500	0.000	1674.000	31090.000	30800.000	53.586%	0.175
x		6.459	654.000	0.000	1642.000	30810.000	31120.000	54.116%	0.214
σ		0.149	6.796	0.000	29.310	296.900	277.300	0.467%	0.052
%RSD		2.305	1.039	0.000	1.785	0.964	0.891	0.864	24.410
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:14	0.624	0.606	0.823	-16.060	132.700	0.048	0.433	0.920
2	07:18:58	1.062	0.593	0.842	-17.030	126.600	0.042	0.335	0.956
3	07:19:41	0.213	0.621	0.808	-16.020	127.600	0.040	0.323	0.909
x		0.633	0.607	0.824	-16.370	128.900	0.043	0.364	0.929
σ		0.425	0.014	0.017	0.568	3.277	0.004	0.060	0.024
%RSD		67.090	2.262	2.048	3.471	2.542	9.762	16.630	2.629
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:14	0.997	1.823	1.495	0.102	-0.847	-0.397	0.000	111.800
2	07:18:58	1.044	1.577	1.672	-0.017	-0.953	-0.908	0.000	110.800
3	07:19:41	1.015	1.736	1.721	0.386	-0.794	0.267	0.000	112.000
x		1.019	1.712	1.629	0.157	-0.865	-0.346	0.000	111.500
σ		0.023	0.125	0.119	0.207	0.081	0.589	0.000	0.641
%RSD		2.301	7.290	7.293	132.000	9.324	170.300	0.000	0.575
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:14	50.758%	1.772	1.680	54.378%	-0.006	-0.010	-0.045	-0.030
2	07:18:58	51.882%	1.745	1.695	54.715%	-0.001	-0.009	-0.028	-0.044
3	07:19:41	51.670%	1.713	1.663	54.872%	-0.002	-0.011	-0.022	-0.016
x		51.437%	1.743	1.680	54.655%	-0.003	-0.010	-0.032	-0.030
σ		0.597%	0.030	0.016	0.253%	0.003	0.001	0.012	0.014
%RSD		1.161	1.702	0.969	0.462	89.440	9.711	39.190	46.890
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:14	52.584%	1.043	0.234	0.245	18.510	18.560	60.864%	62.634%
2	07:18:58	53.648%	1.164	0.242	0.248	18.420	18.740	63.184%	64.387%
3	07:19:41	53.597%	1.125	0.219	0.255	18.220	19.130	63.263%	64.790%
x		53.276%	1.110	0.232	0.249	18.380	18.810	62.437%	63.937%
σ		0.600%	0.062	0.011	0.005	0.151	0.290	1.363%	1.146%
%RSD		1.126	5.573	4.899	2.148	0.821	1.544	2.183	1.793
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	07:18:14	0.017	0.014	0.055	0.027	0.044	71.747%		
2	07:18:58	0.020	0.013	0.042	0.035	0.040	73.291%		
3	07:19:41	0.019	0.016	0.030	0.043	0.038	73.243%		
x		0.019	0.014	0.042	0.035	0.041	72.760%		
σ		0.001	0.001	0.012	0.008	0.003	0.878%		
%RSD		7.334	8.658	28.970	23.410	7.458	1.207		

180-15469-A-19-B 12/28/2012 7:21:52 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:22:36	50.427%	-0.016	62.090	66.980	0.000	13450.000	16110.000	17000.000
2	07:23:19	49.970%	-0.006	63.900	69.510	0.000	13180.000	15890.000	16830.000
3	07:24:02	48.882%	-0.005	64.680	67.430	0.000	13150.000	16130.000	17030.000
x		49.760%	-0.009	63.560	67.970	0.000	13260.000	16040.000	16960.000
σ		0.794%	0.006	1.326	1.353	0.000	161.300	131.600	109.300
%RSD		1.595	68.320	2.087	1.991	0.000	1.216	0.820	0.645
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:22:36	69.480	24050.000	0.000	7324.000	52550.000	57700.000	50.676%	2.977
2	07:23:19	70.260	23960.000	0.000	7168.000	51160.000	56600.000	50.071%	2.865
3	07:24:02	69.230	23450.000	0.000	7090.000	51180.000	56720.000	48.574%	2.966
x		69.660	23820.000	0.000	7194.000	51630.000	57010.000	49.774%	2.936
σ		0.536	323.000	0.000	119.300	796.800	603.900	1.082%	0.062
%RSD		0.769	1.356	0.000	1.658	1.543	1.059	2.175	2.109
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:22:36	0.530	0.348	177.300	192.300	426.900	0.381	0.019	0.291
2	07:23:19	-1.204	0.324	175.400	190.400	402.000	0.355	0.094	0.278
3	07:24:02	-0.424	0.370	178.400	190.800	408.600	0.380	0.105	0.266
x		-0.366	0.348	177.000	191.200	412.500	0.372	0.073	0.278
σ		0.868	0.023	1.524	0.985	12.910	0.015	0.047	0.012
%RSD		237.300	6.598	0.861	0.515	3.130	3.911	64.000	4.462
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:22:36	0.380	1.433	1.441	8.309	-1.033	0.382	0.000	470.600
2	07:23:19	0.268	1.681	1.706	7.862	-0.983	-0.543	0.000	471.900
3	07:24:02	0.237	1.723	1.746	7.484	-1.264	-0.224	0.000	471.200
x		0.295	1.612	1.631	7.885	-1.093	-0.129	0.000	471.200
σ		0.075	0.156	0.166	0.413	0.150	0.470	0.000	0.695
%RSD		25.490	9.704	10.160	5.240	13.710	366.000	0.000	0.147
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:22:36	47.876%	4.115	4.113	50.469%	-0.002	-0.010	-0.018	-0.023
2	07:23:19	48.128%	4.043	4.260	50.556%	-0.005	-0.009	-0.126	-0.094
3	07:24:02	48.502%	4.271	4.251	50.659%	-0.005	-0.011	-0.117	-0.106
x		48.169%	4.143	4.208	50.561%	-0.004	-0.010	-0.087	-0.074
σ		0.315%	0.117	0.082	0.095%	0.002	0.001	0.060	0.045
%RSD		0.654	2.812	1.954	0.189	49.310	9.973	69.070	60.630
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:22:36	49.763%	0.967	0.094	0.107	155.500	156.100	58.963%	60.214%
2	07:23:19	51.015%	1.001	0.079	0.115	153.300	157.000	60.294%	61.956%
3	07:24:02	51.030%	0.967	0.063	0.109	155.300	156.100	60.576%	62.260%
x		50.603%	0.978	0.078	0.110	154.700	156.400	59.944%	61.477%
σ		0.727%	0.020	0.016	0.004	1.185	0.547	0.861%	1.104%
%RSD		1.437	2.000	19.970	3.849	0.766	0.350	1.437	1.796
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	07:22:36	0.012	0.005	0.390	0.418	0.393	68.488%		
2	07:23:19	0.012	0.004	0.389	0.424	0.391	69.482%		
3	07:24:02	0.002	0.002	0.379	0.386	0.381	70.482%		
x		0.009	0.004	0.386	0.409	0.388	69.484%		
σ		0.006	0.001	0.006	0.021	0.006	0.997%		
%RSD		64.780	39.960	1.525	5.081	1.614	1.435		

180-15469-A-24-B 12/28/2012 7:26:14 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:57	52.194%	0.019	24.780	26.550	0.000	7305.000	10530.000	11350.000
2	07:27:40	53.747%	-0.001	23.670	24.250	0.000	7094.000	10200.000	10900.000
3	07:28:23	52.912%	-0.029	23.700	24.210	0.000	7114.000	10410.000	11160.000
x		52.951%	-0.004	24.050	25.010	0.000	7171.000	10380.000	11130.000
σ		0.777%	0.024	0.633	1.340	0.000	116.600	167.100	226.500
%RSD		1.468	610.000	2.631	5.359	0.000	1.626	1.611	2.034

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:57	6.608	654.500	0.000	1590.000	29580.000	29790.000	53.124%	0.226
2	07:27:40	6.208	632.000	0.000	1580.000	29850.000	31390.000	52.759%	0.251
3	07:28:23	6.719	641.400	0.000	1549.000	29480.000	31520.000	52.585%	0.100
x		6.512	642.600	0.000	1573.000	29640.000	30900.000	52.823%	0.192
σ		0.268	11.280	0.000	21.180	192.500	964.300	0.275%	0.081
%RSD		4.122	1.755	0.000	1.346	0.650	3.121	0.521	42.020

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:57	-0.075	0.554	0.982	-17.450	128.900	0.043	0.134	0.545
2	07:27:40	-0.519	0.541	1.006	-17.530	119.800	0.034	0.258	0.580
3	07:28:23	-0.561	0.535	1.010	-17.750	120.600	0.036	0.218	0.545
x		-0.385	0.543	0.999	-17.580	123.100	0.038	0.203	0.557
σ		0.269	0.010	0.015	0.159	5.015	0.005	0.063	0.020
%RSD		69.920	1.796	1.475	0.905	4.074	12.980	31.010	3.602

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:57	0.653	1.095	1.343	0.088	-0.830	-0.630	0.000	109.700
2	07:27:40	0.656	1.354	1.256	0.663	-0.995	0.474	0.000	108.500
3	07:28:23	0.670	1.055	1.022	0.245	-0.947	-0.100	0.000	108.300
x		0.660	1.168	1.207	0.332	-0.924	-0.085	0.000	108.800
σ		0.009	0.163	0.166	0.297	0.085	0.552	0.000	0.722
%RSD		1.407	13.910	13.720	89.440	9.195	646.900	0.000	0.663

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:57	49.834%	1.652	1.642	54.015%	-0.010	-0.009	-0.001	-0.017
2	07:27:40	51.499%	1.659	1.715	54.027%	-0.004	-0.009	-0.049	-0.040
3	07:28:23	50.937%	1.513	1.617	53.572%	-0.006	-0.008	-0.105	-0.047
x		50.757%	1.608	1.658	53.871%	-0.007	-0.009	-0.052	-0.034
σ		0.847%	0.082	0.051	0.259%	0.003	0.001	0.052	0.016
%RSD		1.669	5.102	3.075	0.482	39.670	10.480	100.300	45.540

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:57	51.827%	1.104	0.187	0.281	17.840	18.520	61.344%	62.835%
2	07:27:40	53.378%	1.162	0.225	0.240	18.440	18.780	62.862%	64.745%
3	07:28:23	53.226%	1.091	0.239	0.226	17.840	18.560	63.216%	64.474%
x		52.810%	1.119	0.217	0.249	18.040	18.620	62.474%	64.018%
σ		0.855%	0.038	0.027	0.029	0.345	0.138	0.994%	1.033%
%RSD		1.619	3.373	12.490	11.630	1.911	0.741	1.592	1.614

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:57	0.015	0.008	0.027	0.036	0.027	71.581%
2	07:27:40	0.014	0.012	0.021	0.007	0.017	73.393%
3	07:28:23	0.008	0.010	0.017	0.014	0.018	73.723%
x		0.012	0.010	0.022	0.019	0.020	72.899%
σ		0.003	0.002	0.005	0.015	0.005	1.153%
%RSD		27.580	18.040	23.060	79.300	26.320	1.582

180-15469-A-29-B 12/28/2012 7:30:35 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:31:18	53.744%	-0.001	23.380	25.440	0.000	7224.000	10440.000	11100.000
2	07:32:01	52.073%	-0.016	22.390	25.200	0.000	7222.000	10510.000	11260.000
3	07:32:44	52.682%	0.002	22.410	25.270	0.000	7259.000	10310.000	10970.000
x		52.833%	-0.005	22.730	25.300	0.000	7235.000	10420.000	11110.000
σ		0.846%	0.010	0.566	0.119	0.000	20.850	100.100	145.000
%RSD		1.601	194.400	2.492	0.471	0.000	0.288	0.961	1.305

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:31:18	22.870	637.600	0.000	1599.000	30010.000	31290.000	54.196%	0.263
2	07:32:01	23.270	647.200	0.000	1576.000	29760.000	29760.000	53.050%	0.191
3	07:32:44	23.170	624.400	0.000	1557.000	29660.000	30160.000	53.592%	0.175
x		23.100	636.400	0.000	1577.000	29810.000	30400.000	53.613%	0.210
σ		0.206	11.420	0.000	20.950	182.700	795.900	0.573%	0.047
%RSD		0.893	1.795	0.000	1.328	0.613	2.618	1.069	22.380

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:31:18	-1.271	0.560	0.805	-17.990	131.200	0.039	0.127	0.612
2	07:32:01	0.648	0.586	0.826	-19.640	124.000	0.026	0.212	0.554
3	07:32:44	0.176	0.597	0.767	-19.120	117.700	0.036	0.170	0.561
x		-0.149	0.581	0.799	-18.910	124.300	0.034	0.170	0.576
σ		1.000	0.019	0.030	0.842	6.756	0.007	0.042	0.032
%RSD		672.200	3.323	3.763	4.451	5.434	20.650	25.000	5.531

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:31:18	0.662	2.299	2.185	0.111	-1.049	-0.185	0.000	108.700
2	07:32:01	0.646	2.285	2.149	0.582	-0.895	-0.130	0.000	108.300
3	07:32:44	0.645	2.156	1.898	-0.125	-0.771	-0.877	0.000	108.000
x		0.651	2.247	2.077	0.190	-0.905	-0.397	0.000	108.300
σ		0.010	0.079	0.156	0.360	0.140	0.416	0.000	0.351
%RSD		1.473	3.501	7.526	190.000	15.420	104.800	0.000	0.324

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:31:18	50.395%	1.593	1.684	53.548%	-0.010	-0.006	0.064	0.045
2	07:32:01	51.387%	1.605	1.613	54.047%	0.003	-0.002	-0.098	-0.055
3	07:32:44	51.826%	1.483	1.478	54.187%	-0.004	-0.007	-0.073	-0.058
x		51.203%	1.560	1.591	53.928%	-0.004	-0.005	-0.036	-0.023
σ		0.733%	0.067	0.105	0.336%	0.006	0.002	0.087	0.059
%RSD		1.432	4.325	6.570	0.623	163.000	51.310	245.900	261.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:31:18	52.208%	0.805	0.218	0.242	17.860	18.040	61.000%	61.869%
2	07:32:01	53.127%	0.839	0.230	0.219	17.800	17.850	62.373%	64.087%
3	07:32:44	53.697%	0.784	0.196	0.218	17.770	17.950	63.187%	64.973%
x		53.011%	0.810	0.215	0.227	17.810	17.950	62.187%	63.643%
σ		0.751%	0.028	0.017	0.014	0.049	0.096	1.105%	1.599%
%RSD		1.417	3.406	7.978	6.019	0.273	0.532	1.778	2.512

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:31:18	0.010	0.009	0.024	0.023	0.025	71.012%
2	07:32:01	0.018	0.008	0.021	0.016	0.020	72.277%
3	07:32:44	0.008	0.012	0.018	0.039	0.022	73.162%
x		0.012	0.010	0.021	0.026	0.022	72.150%
σ		0.006	0.002	0.003	0.012	0.002	1.081%
%RSD		46.530	22.630	15.860	44.760	10.940	1.498

CCV 664806 12/28/2012 7:37:52 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:38:35	53.732%	101.000	94.670	97.750	0.000	47710.000	47860.000	49130.000
2	07:39:18	52.828%	99.080	93.000	98.090	0.000	47710.000	48260.000	48710.000
3	07:40:01	52.897%	99.480	96.290	99.560	0.000	46990.000	47400.000	49400.000
x		53.152%	99.838%	94.653%	98.465%	0.000	94.944%	95.676%	98.167%
σ		0.504%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.947	0.992	1.738	0.976	0.000	0.874	0.901	0.708

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:38:35	502.100	5151.000	0.000	47570.000	46140.000	50070.000	63.253%	95.920
2	07:39:18	497.800	5075.000	0.000	46980.000	46860.000	49980.000	64.909%	96.420
3	07:40:01	499.400	5023.000	0.000	47310.000	46990.000	50380.000	65.016%	94.340
x		99.953%	101.662%	0.000	94.573%	93.326%	100.295%	64.393%	95.563%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.989%	n/a
%RSD		0.430	1.267	0.000	0.632	0.988	0.418	1.536	1.135

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:38:35	93.910	93.680	510.100	26020.000	25210.000	91.540	91.890	90.780
2	07:39:18	94.730	94.930	482.200	25270.000	24880.000	90.020	89.610	91.160
3	07:40:01	92.950	92.710	487.400	25700.000	24970.000	89.730	88.900	90.890
x		93.862%	93.777%	98.643%	102.647%	100.073%	90.429%	90.129%	90.941%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.946	1.186	3.005	1.457	0.679	1.074	1.734	0.218

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:38:35	90.620	99.440	99.220	93.490	96.490	99.370	0.000	91.980
2	07:39:18	90.530	97.740	97.760	91.010	95.980	96.990	0.000	91.690
3	07:40:01	90.620	97.790	98.720	91.920	96.030	98.080	0.000	90.590
x		90.589%	98.324%	98.567%	92.136%	96.168%	98.146%	0.000	91.417%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.058	0.983	0.756	1.363	0.294	1.214	0.000	0.801

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:38:35	57.430%	88.090	88.080	58.463%	89.160	90.910	95.230	98.120
2	07:39:18	59.365%	90.950	90.950	59.515%	89.540	90.900	94.950	97.950
3	07:40:01	60.997%	92.040	91.200	60.873%	88.240	89.480	94.700	95.830
x		59.264%	90.360%	90.076%	59.617%	88.981%	90.431%	94.961%	97.299%
σ		1.786%	n/a	n/a	1.208%	n/a	n/a	n/a	n/a
%RSD		3.013	2.256	1.926	2.027	0.748	0.908	0.281	1.314

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:38:35	57.480%	93.170	95.060	95.730	90.440	91.580	59.052%	60.573%
2	07:39:18	59.704%	93.290	94.810	94.580	90.140	91.590	62.464%	63.242%
3	07:40:01	61.688%	91.740	93.210	93.670	89.120	89.690	63.932%	64.580%
x		59.624%	92.732%	94.359%	94.663%	89.899%	90.954%	61.816%	62.798%
σ		2.105%	n/a	n/a	n/a	n/a	n/a	2.503%	2.040%
%RSD		3.531	0.931	1.066	1.089	0.768	1.201	4.050	3.249

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:38:35	90.550	90.590	91.010	90.300	90.290	62.754%
2	07:39:18	92.000	91.900	93.400	92.150	92.250	64.420%
3	07:40:01	91.730	91.460	92.210	92.000	91.890	65.600%
x		91.426%	91.316%	92.207%	91.483%	91.477%	64.258%
σ		n/a	n/a	n/a	n/a	n/a	1.430%
%RSD		0.840	0.731	1.292	1.124	1.139	2.225

CCB16 12/28/2012 7:45:11 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:45:54	93.259%	-0.018	0.712	1.010	0.000	5.669	3.875	3.840
2	07:46:37	89.823%	-0.005	0.911	0.941	0.000	5.845	4.171	3.892
3	07:47:20	93.137%	-0.007	0.818	0.924	0.000	5.461	3.842	3.877
x		92.073%	-0.010	0.814	0.958	0.000	5.658	3.963	3.869
σ		1.949%	0.007	0.099	0.046	0.000	0.192	0.181	0.027
%RSD		2.117	70.930	12.220	4.755	0.000	3.396	4.564	0.695

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:45:54	0.966	-5.163	0.000	-16.520	11.400	12.540	97.950%	-0.079
2	07:46:37	1.067	-5.334	0.000	-15.970	8.631	11.930	95.105%	-0.017
3	07:47:20	0.934	-5.375	0.000	-16.530	12.230	11.000	96.745%	-0.026
x		0.989	-5.290	0.000	-16.340	10.750	11.830	96.600%	-0.040
σ		0.069	0.112	0.000	0.320	1.884	0.777	1.428%	0.034
%RSD		7.024	2.125	0.000	1.959	17.520	6.574	1.479	82.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:45:54	0.010	-0.095	0.246	-18.990	9.256	0.000	0.048	0.010
2	07:46:37	0.003	-0.099	0.231	-21.560	7.802	-0.001	0.028	-0.016
3	07:47:20	-0.044	-0.140	0.222	-24.050	5.685	-0.004	0.025	-0.003
x		-0.010	-0.112	0.233	-21.530	7.581	-0.002	0.034	-0.003
σ		0.029	0.025	0.012	2.534	1.796	0.002	0.013	0.013
%RSD		281.900	22.310	5.260	11.770	23.690	128.900	37.700	432.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:45:54	0.002	0.875	0.710	-0.442	-1.364	-1.809	0.000	0.027
2	07:46:37	0.007	1.057	0.866	-0.479	-1.257	-2.183	0.000	0.033
3	07:47:20	0.011	0.969	0.852	-0.595	-1.406	-2.518	0.000	0.024
x		0.007	0.967	0.810	-0.505	-1.342	-2.170	0.000	0.028
σ		0.004	0.091	0.087	0.080	0.077	0.355	0.000	0.004
%RSD		62.950	9.421	10.700	15.770	5.728	16.350	0.000	15.850

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:45:54	78.058%	0.259	0.278	85.185%	0.004	-0.007	-0.161	-0.114
2	07:46:37	77.668%	0.306	0.271	83.154%	0.001	-0.002	-0.150	-0.109
3	07:47:20	78.858%	0.212	0.225	84.926%	-0.000	-0.009	-0.163	-0.117
x		78.195%	0.259	0.258	84.422%	0.002	-0.006	-0.158	-0.113
σ		0.607%	0.047	0.029	1.105%	0.002	0.003	0.007	0.004
%RSD		0.776	18.200	11.240	1.309	135.600	56.710	4.351	3.844

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:45:54	78.508%	-0.268	0.004	0.013	0.028	0.030	80.721%	81.680%
2	07:46:37	78.932%	-0.328	0.009	0.010	-0.006	0.024	81.442%	82.463%
3	07:47:20	80.804%	-0.396	0.007	0.021	-0.003	0.016	82.709%	84.145%
x		79.415%	-0.331	0.007	0.015	0.006	0.023	81.624%	82.762%
σ		1.222%	0.064	0.002	0.005	0.019	0.007	1.006%	1.260%
%RSD		1.538	19.350	34.120	36.630	293.300	28.070	1.233	1.522

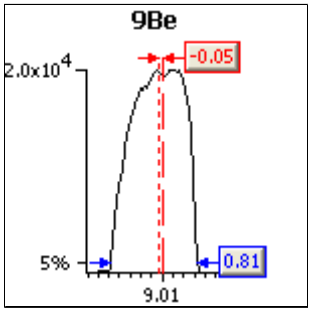
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	07:45:54	0.004	0.004	0.061	0.084	0.064	89.958%
2	07:46:37	0.005	0.001	0.056	0.040	0.047	88.719%
3	07:47:20	0.004	0.005	0.044	0.044	0.046	90.660%
x		0.004	0.003	0.054	0.056	0.053	89.779%
σ		0.000	0.002	0.008	0.024	0.010	0.983%
%RSD		11.150	64.430	15.640	43.020	19.600	1.095

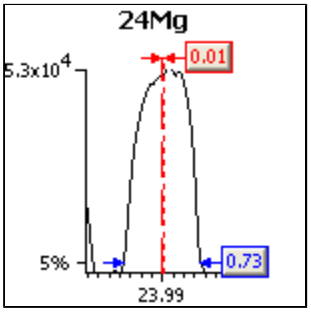
Performance Report

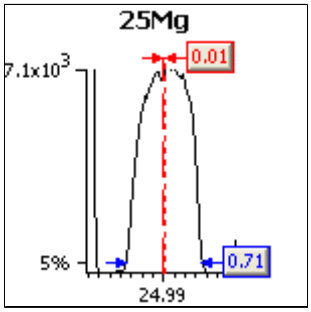
Sample details
Sample name : ITUNE
Acquired at : 12/27/2012 2:39:19 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

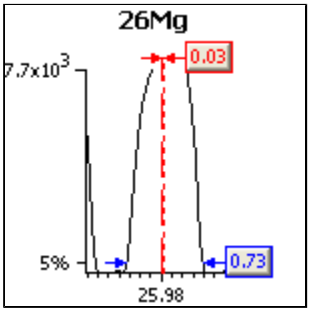
Mass Calibration verification

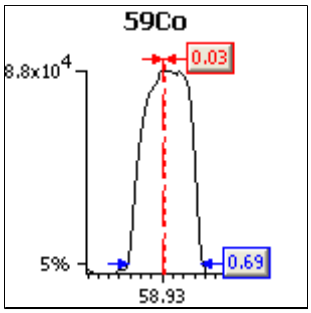
Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum

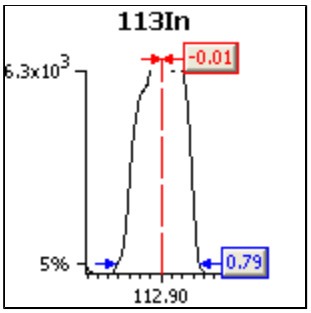


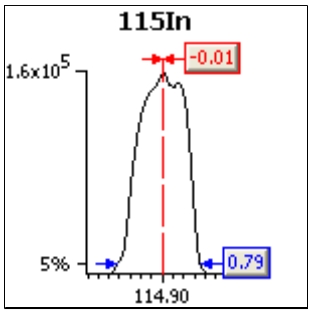


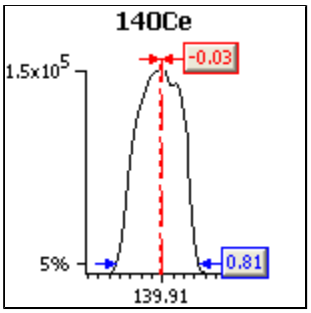


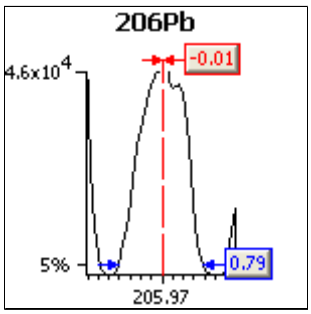


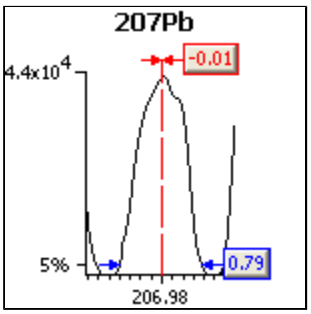


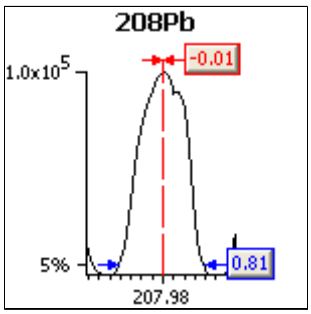












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.81	-0.05
24Mg	0.90	0.45	0.10	0.73	0.01
25Mg	0.90	0.45	0.10	0.71	0.01
26Mg	0.90	0.45	0.10	0.73	0.03
59Co	0.90	0.45	0.10	0.69	0.03
113In	0.90	0.45	0.10	0.79	-0.01
115In	0.90	0.45	0.10	0.79	-0.01
140Ce	0.90	0.45	0.10	0.81	-0.03
206Pb	0.90	0.45	0.10	0.79	-0.01
207Pb	0.90	0.45	0.10	0.79	-0.01
208Pb	0.90	0.45	0.10	0.81	-0.01

Sample details
Sample name : ITUNE
Acquired at : 12/27/2012 2:39:19 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major	
Extraction	-114
Lens 1	2.0
Focus	26.7
D1	-37.6
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.80
Sampling Depth	150

Minor	
Lens 2	-36.1
Lens 3	-176.5
Forward power	1349
Horizontal	72
Vertical	408
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	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		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%	-
	Countrate	-	>500	>500	>500	>500	-	>10000	-
1	2:40:08 PM	0	20479	57974	7243	8544	366649	90173	12
2	2:41:33 PM	0	20539	59677	7398	8592	372537	90283	14
3	2:42:58 PM	0	20423	60719	7632	8916	385060	91500	19
4	2:44:23 PM	0	19915	58839	7284	8539	376166	90400	16
5	2:45:48 PM	0	21022	61820	7630	8952	374789	91589	19
x		0	20476	59806	7437	8708	375040	90789	16
σ		0.08	393.69	1516.33	185.80	207.14	6678.43	695.08	3.09
%RSD		122.474	1.923	2.535	2.498	2.379	1.781	0.766	19.320

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		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%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	2:40:08 PM	131	0	6976	151862	3424	153699	2650	47762
2	2:41:33 PM	120	0	6876	152875	3489	154841	2654	47903
3	2:42:58 PM	114	0	6945	153843	3579	156229	2768	48406
4	2:44:23 PM	118	0	6870	151080	3510	153555	2630	47611
5	2:45:48 PM	137	0	6994	153504	3647	156032	2676	48181
x		124	0	6932	152633	3530	154872	2676	47972
σ		9.68	0.08	56.90	1149.90	85.68	1254.81	54.09	320.64
%RSD		7.810	81.441	0.821	0.753	2.427	0.810	2.022	0.668

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	2:40:08 PM	43133	102231	0
2	2:41:33 PM	43465	104140	0
3	2:42:58 PM	44251	104342	0
4	2:44:23 PM	42904	103280	0
5	2:45:48 PM	43725	104063	0
x		43496	103611	0
σ		525.76	870.47	0.06
%RSD		1.209	0.840	149.071

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	2:40:08 PM	0
2	2:41:33 PM	0

3	2:42:58 PM	0
4	2:44:23 PM	0
5	2:45:48 PM	0
x		0.0173
σ		0.00
%RSD		1.4535

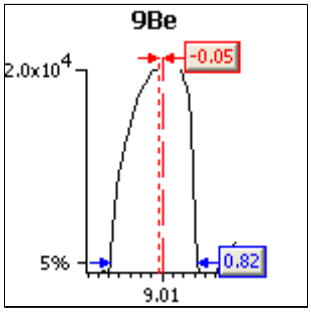
Result : The performance report passed.

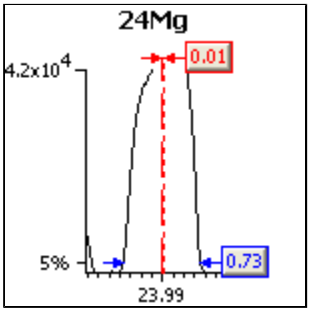
Performance Report

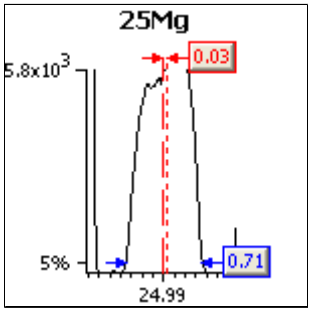
Sample details
Sample name : ITUNE
Acquired at : 12/29/2012 3:23:35 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

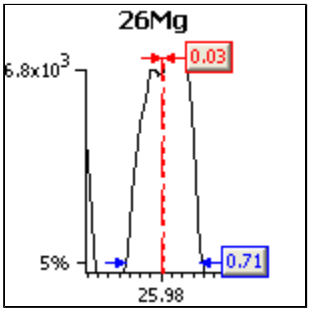
Mass Calibration verification

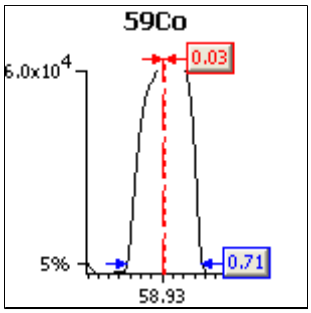
Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum

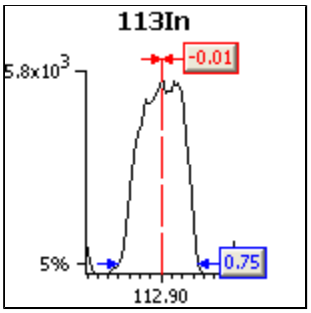


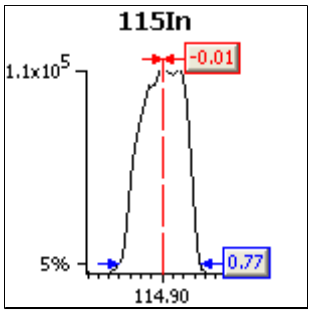


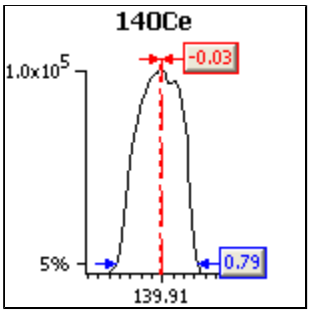


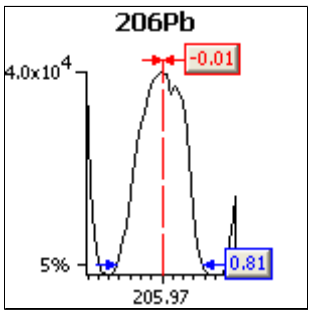


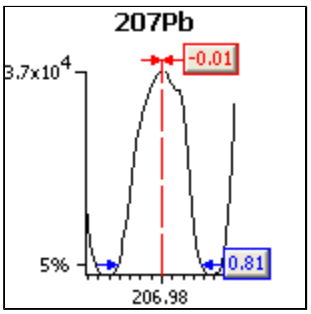


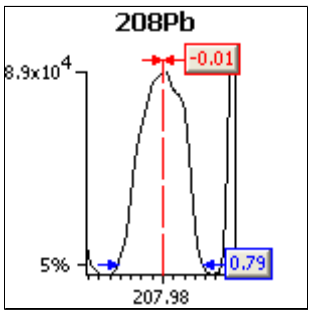












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.82	-0.05
24Mg	0.90	0.45	0.10	0.73	0.01
25Mg	0.90	0.45	0.10	0.71	0.03
26Mg	0.90	0.45	0.10	0.71	0.03
59Co	0.90	0.45	0.10	0.71	0.03
113In	0.90	0.45	0.10	0.75	-0.01
115In	0.90	0.45	0.10	0.77	-0.01
140Ce	0.90	0.45	0.10	0.79	-0.03
206Pb	0.90	0.45	0.10	0.81	-0.01
207Pb	0.90	0.45	0.10	0.81	-0.01
208Pb	0.90	0.45	0.10	0.79	-0.01

Sample details
Sample name : ITUNE
Acquired at : 12/29/2012 3:23:35 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major	
Extraction	-114
Lens 1	2.0
Focus	26.7
D1	-37.6
Pole Bias	3.0
Hexapole Bias	-3.0
Nebuliser	0.80
Sampling Depth	150

Minor	
Lens 2	-36.1
Lens 3	-176.5
Forward power	1349
Horizontal	72
Vertical	408
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	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		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%	-
	Countrate	-	>500	>500	>500	>500	-	>10000	-
1	3:24:22 PM	0	15477	38422	4689	5723	204931	62050	17
2	3:25:47 PM	0	15828	39862	5177	6000	202466	64487	13
3	3:27:12 PM	0	15213	38440	5049	5760	204484	62097	13
4	3:28:38 PM	0	15635	39285	5027	5877	202840	63867	13
5	3:30:03 PM	0	15499	39631	5019	5966	200112	63991	10
x		0	15530	39128	4992	5865	202967	63299	13
σ		0.00	225.97	668.55	180.99	122.22	1908.87	1142.06	2.60
%RSD		0.000	1.455	1.709	3.625	2.084	0.940	1.804	19.301

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		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%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	3:24:22 PM	70	0	4770	105829	2620	109910	1933	42887
2	3:25:47 PM	70	0	4971	108360	2619	111665	2021	43618
3	3:27:12 PM	77	0	4836	107282	2648	111105	2000	43548
4	3:28:38 PM	80	0	4947	108505	2534	111459	1952	43264
5	3:30:03 PM	69	0	4977	108950	2596	112289	2061	43566
x		73	0	4900	107785	2603	111286	1993	43377
σ		5.03	0.03	92.28	1253.61	42.69	881.19	52.17	306.63
%RSD		6.883	223.607	1.883	1.163	1.640	0.792	2.617	0.707

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	3:24:22 PM	38927	93034	0
2	3:25:47 PM	39480	94529	0
3	3:27:12 PM	39094	93966	0
4	3:28:38 PM	39465	94809	0
5	3:30:03 PM	39552	94395	0
x		39304	94146	0
σ		275.74	692.35	0.04
%RSD		0.702	0.735	136.931

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	3:24:22 PM	0
2	3:25:47 PM	0

3	3:27:12 PM	0
4	3:28:38 PM	0
5	3:30:03 PM	0
x		0.0179
σ		0.00
%RSD		1.9984

Result : The performance report passed.

Dilution Corrected Concentrations

STD1 686021 12/29/2012 3:40:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	98.381%	0.000	-0.020	-0.109	0.000	-1.190	0.200	-0.219
2	15:41:31	99.540%	0.030	-0.032	0.119	0.000	0.816	-0.172	-0.033
3	15:42:13	102.079%	-0.031	0.052	-0.010	0.000	0.374	-0.028	0.252
x		100.000%	0.000	0.000	0.000	0.000	0.000	0.000	-0.000
σ		1.892%	0.031	0.046	0.114	0.000	1.054	0.187	0.237
%RSD		1.892	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.450	-0.337	0.000	0.070	-2.960	1.178	98.344%	0.071
2	15:41:31	-0.062	0.276	0.000	-0.563	-2.960	1.206	100.366%	0.016
3	15:42:13	-0.389	0.061	0.000	0.493	5.920	-2.384	101.289%	-0.087
x		-0.000	-0.000	0.000	0.000	0.000	0.000	100.000%	0.000
σ		0.423	0.311	0.000	0.531	5.127	2.065	1.506%	0.080
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.506	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.014	0.006	0.020	0.522	-0.138	0.001	-0.034	-0.017
2	15:41:31	-0.025	-0.013	0.000	-0.434	-0.075	-0.003	-0.034	0.014
3	15:42:13	0.011	0.007	-0.020	-0.088	0.213	0.003	0.068	0.004
x		-0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	0.000
σ		0.022	0.011	0.020	0.484	0.187	0.003	0.059	0.016
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	-0.006	-0.151	0.047	-0.033	0.297	-0.113	0.000	0.010
2	15:41:31	0.038	0.105	0.059	0.048	-0.145	0.131	0.000	-0.002
3	15:42:13	-0.032	0.046	-0.106	-0.016	-0.152	-0.019	0.000	-0.008
x		-0.000	0.000	0.000	-0.000	0.000	-0.000	0.000	0.000
σ		0.035	0.135	0.092	0.043	0.257	0.123	0.000	0.009
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	97.392%	-0.053	0.044	97.059%	0.005	0.002	0.041	0.046
2	15:41:31	101.347%	0.044	-0.040	100.570%	-0.006	0.001	-0.056	-0.061
3	15:42:13	101.260%	0.009	-0.004	102.371%	0.001	-0.003	0.015	0.015
x		100.000%	-0.000	0.000	100.000%	-0.000	0.000	0.000	0.000
σ		2.259%	0.049	0.042	2.702%	0.006	0.003	0.050	0.055
%RSD		2.259	0.000	0.000	2.702	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	96.629%	0.020	-0.005	0.001	-0.026	0.015	97.186%	96.334%
2	15:41:31	100.750%	-0.109	0.007	-0.016	-0.007	-0.013	100.089%	100.975%
3	15:42:13	102.621%	0.088	-0.002	0.015	0.033	-0.002	102.725%	102.691%
x		100.000%	0.000	-0.000	0.000	-0.000	0.000	100.000%	100.000%
σ		3.066%	0.100	0.006	0.016	0.030	0.014	2.770%	3.288%
%RSD		3.066	0.000	0.000	0.000	0.000	0.000	2.770	3.288

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:49	0.007	-0.001	-0.004	-0.011	-0.003	96.019%
2	15:41:31	-0.002	0.004	0.007	0.009	0.000	100.978%
3	15:42:13	-0.005	-0.003	-0.003	0.002	0.003	103.003%
x		0.000	0.000	-0.000	0.000	0.000	100.000%
σ		0.006	0.004	0.006	0.010	0.003	3.593%
%RSD		0.000	0.000	0.000	0.000	0.000	3.593

STD2 646077 12/29/2012 3:44:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	86.913%	202.700	0.491	0.122	0.000	101600.000	101600.000	101600.000
2	15:45:44	90.430%	196.900	0.431	0.128	0.000	99000.000	98990.000	98950.000
3	15:46:26	91.091%	200.400	-0.665	0.284	0.000	99350.000	99460.000	99490.000
x		89.478%	200.000	0.086	0.178	0.000	100000.000	100000.000	100000.000
σ		2.246%	2.900	0.651	0.092	0.000	1432.000	1366.000	1381.000
%RSD		2.510	1.450	756.200	51.860	0.000	1.432	1.366	1.381
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	1022.000	-0.791	0.000	101500.000	100200.000	99590.000	87.541%	2.878
2	15:45:44	989.400	13.680	0.000	99100.000	99410.000	99390.000	91.671%	2.235
3	15:46:26	988.200	14.850	0.000	99360.000	100400.000	101000.000	93.183%	1.639
x		1000.000	9.247	0.000	100000.000	100000.000	100000.000	90.798%	2.251
σ		19.420	8.713	0.000	1336.000	512.700	882.900	2.921%	0.620
%RSD		1.942	94.220	0.000	1.336	0.513	0.883	3.217	27.530
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	199.600	200.100	998.000	50990.000	49600.000	199.500	199.100	197.700
2	15:45:44	198.400	197.200	994.700	49550.000	50040.000	198.800	199.600	199.600
3	15:46:26	202.000	202.800	1007.000	49460.000	50360.000	201.700	201.300	202.600
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		1.831	2.809	6.517	859.100	379.200	1.504	1.134	2.468
%RSD		0.916	1.405	0.652	1.718	0.758	0.752	0.567	1.234
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	199.900	198.100	200.200	195.000	198.400	195.000	0.000	199.100
2	15:45:44	198.900	198.500	197.800	202.800	201.200	200.700	0.000	201.400
3	15:46:26	201.200	203.500	202.000	202.200	200.400	204.300	0.000	199.500
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		1.163	2.997	2.085	4.316	1.441	4.721	0.000	1.218
%RSD		0.582	1.499	1.043	2.158	0.721	2.361	0.000	0.609
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	88.014%	1.250	1.637	84.062%	199.600	199.300	201.100	198.200
2	15:45:44	91.792%	1.335	1.211	88.304%	200.800	199.700	199.200	200.200
3	15:46:26	94.567%	1.000	1.449	90.657%	199.600	200.900	199.600	201.600
x		91.458%	1.195	1.432	87.674%	200.000	200.000	200.000	200.000
σ		3.290%	0.174	0.214	3.343%	0.736	0.844	0.982	1.697
%RSD		3.597	14.570	14.910	3.812	0.368	0.422	0.491	0.848
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:02	88.249%	1.277	0.078	0.108	197.800	199.900	93.198%	94.353%
2	15:45:44	93.517%	1.353	0.113	0.077	200.500	200.900	97.812%	99.261%
3	15:46:26	95.667%	2.092	0.140	0.148	201.800	199.200	101.975%	102.557%
x		92.478%	1.574	0.110	0.111	200.000	200.000	97.662%	98.724%
σ		3.816%	0.450	0.031	0.035	2.034	0.819	4.390%	4.128%
%RSD		4.127	28.600	28.430	31.800	1.017	0.410	4.495	4.182
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:45:02	196.900	196.600	196.100	197.000	196.900	92.703%		
2	15:45:44	201.000	200.300	201.600	199.400	200.400	96.873%		
3	15:46:26	202.100	203.100	202.400	203.600	202.800	98.609%		
x		200.000	200.000	200.000	200.000	200.000	96.062%		
σ		2.718	3.294	3.416	3.377	2.973	3.035%		
%RSD		1.359	1.647	1.708	1.689	1.487	3.160		

STD3 646078 12/29/2012 3:48:35 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	87.748%	0.073	196.800	200.300	0.000	74.690	74.370	72.960
2	15:49:58	89.445%	0.240	196.200	201.600	0.000	74.630	77.680	76.040
3	15:50:40	89.557%	0.071	207.000	198.100	0.000	82.030	83.460	76.830
x		88.917%	0.128	200.000	200.000	0.000	77.120	78.500	75.280
σ		1.014%	0.097	6.075	1.762	0.000	4.257	4.597	2.044
%RSD		1.140	76.000	3.038	0.881	0.000	5.520	5.856	2.715

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	20.020	10030.000	0.000	88.070	138.000	169.300	92.821%	202.600
2	15:49:58	12.640	10050.000	0.000	95.670	94.090	187.200	92.905%	197.800
3	15:50:40	9.491	9925.000	0.000	100.900	137.800	191.400	92.856%	199.700
x		14.050	10000.000	0.000	94.890	123.300	182.600	92.861%	200.000
σ		5.405	65.410	0.000	6.471	25.310	11.700	0.042%	2.420
%RSD		38.460	0.654	0.000	6.819	20.520	6.405	0.045	1.210

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.195	0.123	1.062	134.600	164.500	0.143	0.335	0.484
2	15:49:58	0.217	0.100	1.050	82.130	106.200	0.145	0.480	0.488
3	15:50:40	0.165	0.128	1.063	67.740	85.140	0.215	0.278	0.328
x		0.192	0.117	1.058	94.810	118.600	0.168	0.364	0.433
σ		0.026	0.015	0.007	35.170	41.110	0.041	0.104	0.091
%RSD		13.340	12.570	0.683	37.100	34.650	24.520	28.640	21.090

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.784	2.205	2.423	0.289	1.830	0.264	0.000	0.605
2	15:49:58	0.576	2.209	2.385	0.459	0.121	1.028	0.000	0.575
3	15:50:40	0.557	2.576	2.121	0.399	0.014	0.568	0.000	0.588
x		0.639	2.330	2.310	0.382	0.655	0.620	0.000	0.589
σ		0.126	0.213	0.165	0.086	1.019	0.385	0.000	0.015
%RSD		19.730	9.133	7.128	22.570	155.600	62.030	0.000	2.614

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	94.248%	199.200	198.900	95.554%	0.290	0.307	0.126	-0.748
2	15:49:58	95.395%	198.200	202.000	96.478%	0.294	0.235	0.283	-0.411
3	15:50:40	95.496%	202.600	199.100	96.684%	0.294	0.214	0.001	-0.779
x		95.046%	200.000	200.000	96.239%	0.292	0.252	0.137	-0.646
σ		0.694%	2.339	1.714	0.602%	0.002	0.049	0.141	0.204
%RSD		0.730	1.170	0.857	0.625	0.819	19.430	103.400	31.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	97.476%	199.500	197.600	198.800	0.241	0.595	99.883%	100.525%
2	15:49:58	99.385%	200.400	200.000	199.800	0.326	0.535	100.210%	102.201%
3	15:50:40	98.910%	200.000	202.400	201.500	0.302	0.416	101.423%	101.898%
x		98.590%	200.000	200.000	200.000	0.290	0.515	100.506%	101.541%
σ		0.994%	0.463	2.373	1.374	0.044	0.091	0.811%	0.893%
%RSD		1.008	0.232	1.187	0.687	15.010	17.670	0.807	0.879

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:16	0.267	0.283	0.319	0.316	0.294	102.441%
2	15:49:58	0.258	0.228	0.261	0.248	0.254	103.971%
3	15:50:40	0.240	0.270	0.249	0.180	0.215	104.500%
x		0.255	0.260	0.276	0.248	0.254	103.637%
σ		0.014	0.029	0.038	0.068	0.039	1.069%
%RSD		5.399	11.150	13.670	27.380	15.440	1.032

ICV 660333 12/29/2012 3:52:50 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	89.973%	82.530	90.530	86.040	0.000	40900.000	35850.000	36080.000
2	15:54:13	90.892%	86.170	86.960	87.900	0.000	40640.000	35960.000	36280.000
3	15:54:55	89.500%	82.190	93.450	88.280	0.000	41330.000	36760.000	36860.000
x		90.122%	104.538%	112.892%	109.256%	0.000	102.396%	90.476%	91.020%
σ		0.708%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.785	2.641	3.596	1.368	0.000	0.859	1.381	1.107

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	408.100	4452.000	0.000	41890.000	41300.000	40770.000	92.340%	87.300
2	15:54:13	408.200	4474.000	0.000	41690.000	41530.000	41060.000	93.200%	88.980
3	15:54:55	412.200	4567.000	0.000	41900.000	41850.000	41570.000	93.296%	87.430
x		102.378%	112.439%	0.000	104.562%	103.905%	102.834%	92.945%	109.879%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.526%	n/a
%RSD		0.569	1.360	0.000	0.289	0.667	0.984	0.566	1.062

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	80.910	82.610	406.900	20230.000	20140.000	82.220	82.470	83.240
2	15:54:13	82.290	83.250	414.500	20000.000	20270.000	82.340	83.840	82.330
3	15:54:55	81.710	83.830	413.500	20020.000	20460.000	83.620	85.770	85.020
x		102.045%	104.035%	102.906%	100.417%	101.428%	103.408%	105.032%	104.410%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.849	0.729	0.997	0.632	0.793	0.939	1.973	1.636

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	82.360	84.220	84.850	80.680	81.360	83.740	0.000	74.600
2	15:54:13	83.530	82.880	86.570	81.620	81.180	83.260	0.000	74.570
3	15:54:55	84.440	85.320	86.000	80.560	75.930	82.210	0.000	75.180
x		104.304%	105.176%	107.261%	101.192%	99.364%	103.836%	0.000	93.482%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.251	1.453	1.021	0.718	3.878	0.944	0.000	0.456

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	103.307%	78.680	79.380	97.108%	78.250	79.800	81.940	80.130
2	15:54:13	106.171%	79.180	80.020	100.045%	78.500	79.450	80.780	79.020
3	15:54:55	106.646%	81.510	81.420	100.385%	78.490	78.960	78.520	78.620
x		105.375%	99.738%	100.341%	99.179%	98.019%	99.253%	100.519%	99.069%
σ		1.807%	n/a	n/a	1.802%	n/a	n/a	n/a	n/a
%RSD		1.714	1.887	1.305	1.817	0.184	0.529	2.166	0.983

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	99.936%	83.070	80.870	81.980	77.740	78.920	104.529%	105.051%
2	15:54:13	103.375%	81.820	80.440	80.140	78.480	80.860	106.702%	109.095%
3	15:54:55	104.879%	80.780	82.130	80.530	79.790	80.690	108.436%	109.717%
x		102.730%	102.360%	101.435%	101.105%	98.337%	100.198%	106.556%	107.955%
σ		2.534%	n/a	n/a	n/a	n/a	n/a	1.958%	2.534%
%RSD		2.466	1.403	1.085	1.202	1.319	1.337	1.837	2.347

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:32	81.700	81.190	79.150	78.310	78.840	104.085%
2	15:54:13	81.510	82.680	79.290	79.650	79.610	107.037%
3	15:54:55	82.310	82.600	80.590	79.420	79.900	107.933%
x		102.300%	102.696%	99.598%	98.907%	99.318%	106.351%
σ		n/a	n/a	n/a	n/a	n/a	2.013%
%RSD		0.512	1.020	0.999	0.906	0.689	1.893

ICB 12/29/2012 4:00:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	99.768%	-0.031	0.184	0.632	0.000	-41.750	2.805	4.272
2	16:02:04	99.139%	-0.031	0.742	0.617	0.000	-37.700	3.497	4.476
3	16:02:45	99.759%	-0.031	0.623	0.394	0.000	-30.150	9.995	9.364
x		99.555%	-0.031	0.516	0.548	0.000	-36.530	5.432	6.037
σ		0.361%	0.000	0.294	0.133	0.000	5.888	3.966	2.883
%RSD		0.362	0.000	56.960	24.330	0.000	16.120	73.010	47.750

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-4.083	6.606	0.000	12.990	5.853	6.025	102.234%	0.065
2	16:02:04	-4.052	6.346	0.000	16.550	5.768	7.953	103.322%	0.214
3	16:02:45	-3.403	6.926	0.000	20.940	49.640	15.690	102.812%	0.014
x		-3.846	6.626	0.000	16.820	20.420	9.888	102.789%	0.098
σ		0.384	0.291	0.000	3.985	25.300	5.112	0.544%	0.104
%RSD		9.980	4.388	0.000	23.680	123.900	51.700	0.530	106.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-0.018	0.067	0.008	13.470	15.370	0.015	0.049	0.063
2	16:02:04	0.012	0.012	0.009	10.030	11.060	-0.008	-0.035	0.009
3	16:02:45	0.011	0.050	0.129	10.830	13.440	0.002	0.015	0.001
x		0.002	0.043	0.049	11.440	13.290	0.003	0.010	0.025
σ		0.017	0.028	0.070	1.802	2.161	0.011	0.042	0.034
%RSD		981.200	64.950	143.200	15.750	16.260	357.000	432.500	136.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	-0.019	0.281	0.611	-0.069	-1.270	-0.179	0.000	0.016
2	16:02:04	0.027	0.253	0.254	-0.333	-0.092	-0.994	0.000	0.011
3	16:02:45	0.259	0.639	0.657	-0.079	-1.042	-0.473	0.000	0.127
x		0.089	0.391	0.507	-0.161	-0.802	-0.549	0.000	0.051
σ		0.149	0.215	0.221	0.149	0.625	0.413	0.000	0.066
%RSD		167.200	55.110	43.530	92.990	77.930	75.180	0.000	128.400

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	103.501%	0.313	0.344	104.144%	0.019	0.025	0.085	0.023
2	16:02:04	105.086%	0.060	0.174	105.300%	0.023	0.013	-0.029	-0.122
3	16:02:45	105.867%	0.290	0.289	105.986%	0.001	0.012	0.099	-0.023
x		104.818%	0.221	0.269	105.143%	0.014	0.017	0.052	-0.041
σ		1.205%	0.140	0.087	0.931%	0.012	0.007	0.070	0.074
%RSD		1.150	63.370	32.300	0.885	82.890	43.160	135.000	181.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	103.754%	0.397	0.043	0.030	-0.032	-0.040	104.469%	104.825%
2	16:02:04	106.739%	0.075	0.041	0.018	-0.055	-0.029	107.029%	108.061%
3	16:02:45	108.219%	-0.354	0.060	0.053	0.026	-0.017	108.137%	108.887%
x		106.238%	0.040	0.048	0.034	-0.021	-0.029	106.545%	107.258%
σ		2.274%	0.377	0.010	0.018	0.042	0.012	1.881%	2.147%
%RSD		2.141	948.000	21.640	51.800	202.100	40.260	1.766	2.001

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:22	0.025	0.045	0.019	0.026	0.022	107.395%
2	16:02:04	0.024	0.020	0.013	0.010	0.020	109.586%
3	16:02:45	0.024	0.039	0.026	0.035	0.025	110.036%
x		0.024	0.035	0.019	0.024	0.022	109.005%
σ		0.001	0.013	0.007	0.013	0.003	1.413%
%RSD		2.670	37.300	35.400	54.230	12.220	1.296

CRI 667994 12/29/2012 4:04:58 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	89.816%	1.270	7.382	6.914	0.000	66.570	99.100	100.600
2	16:06:21	89.841%	1.203	8.335	7.797	0.000	67.670	100.800	100.800
3	16:07:03	89.236%	1.312	5.619	7.619	0.000	64.820	100.700	103.500
x		89.631%	126.158%	142.235%	148.868%	0.000	82.944%	100.183%	101.648%
σ		0.342%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.382	4.361	19.380	6.271	0.000	2.168	0.939	1.611

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	28.890	500.100	0.000	94.290	116.700	110.800	110.286%	5.399
2	16:06:21	28.540	505.600	0.000	94.720	124.100	118.100	111.083%	5.501
3	16:07:03	29.170	505.500	0.000	97.110	112.500	107.500	110.422%	4.445
x		96.220%	100.749%	0.000	95.372%	117.792%	112.135%	110.597%	102.303%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.426%	n/a
%RSD		1.098	0.622	0.000	1.592	4.988	4.823	0.385	11.380

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	0.863	1.917	4.880	49.600	69.280	0.469	1.028	1.852
2	16:06:21	0.930	1.954	4.781	48.740	62.410	0.496	1.405	2.127
3	16:07:03	0.914	1.761	4.918	48.830	59.420	0.561	1.119	1.903
x		90.256%	93.856%	97.196%	98.108%	127.404%	101.672%	118.374%	98.026%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		3.859	5.458	1.459	0.964	7.940	9.312	16.610	7.453

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	2.083	8.184	8.548	0.917	3.122	5.322	0.000	5.010
2	16:06:21	2.506	7.855	7.925	1.130	3.076	5.118	0.000	4.971
3	16:07:03	2.102	8.095	7.882	0.747	5.893	4.597	0.000	4.966
x		111.506%	160.891%	162.365%	93.121%	80.604%	100.246%	0.000	99.642%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		10.720	2.111	4.592	20.610	40.020	7.459	0.000	0.483

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	100.594%	4.786	5.035	101.963%	1.057	1.084	1.196	0.932
2	16:06:21	101.200%	5.377	5.227	102.602%	1.018	1.047	1.163	1.113
3	16:07:03	101.707%	4.938	4.863	102.229%	0.968	1.049	1.299	1.019
x		101.167%	100.675%	100.832%	102.264%	101.403%	106.011%	121.963%	102.130%
σ		0.557%	n/a	n/a	0.321%	n/a	n/a	n/a	n/a
%RSD		0.551	6.099	3.613	0.314	4.415	1.981	5.805	8.856

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	103.395%	5.354	1.929	2.063	9.938	9.920	104.032%	104.803%
2	16:06:21	103.669%	5.721	2.165	2.184	10.250	9.720	104.271%	105.328%
3	16:07:03	103.776%	5.958	2.009	2.089	9.906	9.422	103.829%	105.578%
x		103.613%	113.557%	101.710%	105.611%	100.323%	96.877%	104.044%	105.236%
σ		0.196%	n/a	n/a	n/a	n/a	n/a	0.221%	0.396%
%RSD		0.190	5.358	5.904	3.015	1.914	2.588	0.213	0.376

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:40	0.891	0.992	0.918	0.987	0.983	106.403%
2	16:06:21	1.117	1.012	1.010	1.038	1.003	107.866%
3	16:07:03	0.984	1.026	1.177	1.046	1.093	107.312%
x		99.712%	101.005%	103.507%	102.360%	102.635%	107.194%
σ		n/a	n/a	n/a	n/a	n/a	0.738%
%RSD		11.380	1.658	12.710	3.133	5.715	0.689

ICSA 668877 12/29/2012 4:09:15 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	86.330%	0.005	1.398	0.607	0.000	102500.000	102200.000	102300.000
2	16:10:38	87.848%	0.004	-0.275	0.579	0.000	102100.000	101400.000	101800.000
3	16:11:20	89.540%	0.037	0.326	0.358	0.000	100600.000	100300.000	100500.000
x		87.906%	0.015	0.483	0.515	0.000	101700.000	101300.000	101500.000
σ		1.606%	0.019	0.847	0.136	0.000	997.000	950.000	968.400
%RSD		1.827	124.700	175.300	26.460	0.000	0.980	0.938	0.954

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	117300.000	27.310	0.000	102700.000	104200.000	103600.000	85.202%	2277.000
2	16:10:38	116200.000	28.060	0.000	102100.000	103900.000	104400.000	87.555%	2298.000
3	16:11:20	114800.000	26.770	0.000	101100.000	104200.000	104300.000	88.830%	2268.000
x		116100.000	27.380	0.000	101900.000	104100.000	104100.000	87.196%	2281.000
σ		1262.000	0.649	0.000	841.500	167.800	423.900	1.840%	14.930
%RSD		1.087	2.370	0.000	0.825	0.161	0.407	2.111	0.655

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	-0.634	-0.031	0.542	102800.000	104900.000	0.105	0.483	1.048
2	16:10:38	-0.369	-0.035	0.528	100700.000	105100.000	0.086	0.443	1.215
3	16:11:20	-0.812	0.031	0.391	99910.000	106400.000	0.066	0.420	1.052
x		-0.605	-0.012	0.487	101100.000	105500.000	0.085	0.449	1.105
σ		0.223	0.037	0.083	1472.000	797.300	0.020	0.032	0.095
%RSD		36.880	321.600	17.100	1.456	0.756	23.010	7.151	8.614

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	1.987	4.079	2.232	0.316	-0.709	0.665	0.000	5.185
2	16:10:38	1.810	3.893	2.319	-0.392	-0.304	-0.965	0.000	4.713
3	16:11:20	1.931	3.700	1.973	-0.337	-1.114	-1.358	0.000	5.013
x		1.909	3.891	2.174	-0.138	-0.709	-0.552	0.000	4.970
σ		0.091	0.189	0.180	0.394	0.405	1.073	0.000	0.239
%RSD		4.759	4.868	8.283	285.800	57.170	194.100	0.000	4.802

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	86.527%	2159.000	2194.000	81.662%	0.095	0.076	0.576	0.354
2	16:10:38	90.693%	2145.000	2197.000	85.781%	0.059	0.090	0.316	0.103
3	16:11:20	92.156%	2163.000	2186.000	87.908%	0.087	0.079	0.980	0.241
x		89.792%	2156.000	2193.000	85.117%	0.080	0.082	0.624	0.233
σ		2.921%	9.366	5.714	3.176%	0.019	0.008	0.334	0.126
%RSD		3.253	0.435	0.261	3.731	23.460	9.217	53.580	54.010

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	88.339%	5.047	0.301	0.309	0.343	0.319	95.077%	96.486%
2	16:10:38	93.942%	4.274	0.269	0.302	0.273	0.273	98.915%	101.972%
3	16:11:20	96.996%	3.620	0.216	0.392	0.261	0.341	101.915%	103.912%
x		93.092%	4.314	0.262	0.334	0.292	0.311	98.635%	100.790%
σ		4.390%	0.715	0.043	0.050	0.044	0.035	3.428%	3.851%
%RSD		4.716	16.570	16.270	14.950	14.980	11.220	3.475	3.821

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:57	0.030	0.047	0.188	0.179	0.166	96.862%
2	16:10:38	0.031	0.030	0.156	0.161	0.144	98.410%
3	16:11:20	0.030	0.025	0.127	0.169	0.139	101.492%
x		0.030	0.034	0.157	0.169	0.149	98.921%
σ		0.001	0.012	0.031	0.009	0.015	2.357%
%RSD		2.840	33.770	19.500	5.200	9.796	2.383

ICSAB 668878 12/29/2012 4:13:32 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	91.109%	20.470	53.700	49.360	0.000	102200.000	101500.000	101600.000
2	16:14:56	94.240%	20.550	52.670	48.800	0.000	99910.000	99500.000	99880.000
3	16:15:37	94.288%	22.700	49.920	48.270	0.000	99950.000	99320.000	99760.000
x		93.212%	106.193%	104.194%	97.620%	0.000	100.674%	100.100%	100.414%
σ		1.822%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.955	5.946	3.750	1.109	0.000	1.282	1.198	1.025

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	115900.000	525.700	0.000	102000.000	105700.000	104900.000	90.435%	2254.000
2	16:14:56	114300.000	524.800	0.000	100800.000	103900.000	104800.000	92.036%	2245.000
3	16:15:37	113800.000	520.800	0.000	100200.000	104900.000	105100.000	92.679%	2237.000
x		114.638%	104.755%	0.000	100.999%	104.833%	104.935%	91.717%	112.271%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.155%	n/a
%RSD		0.975	0.494	0.000	0.933	0.851	0.120	1.260	0.372

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	20.510	20.050	20.400	98730.000	103600.000	19.760	19.370	20.410
2	16:14:56	19.740	20.520	20.270	97080.000	104200.000	19.910	18.650	20.470
3	16:15:37	19.850	20.250	20.930	97080.000	104300.000	20.090	20.570	21.160
x		100.181%	101.361%	102.673%	97.630%	104.055%	99.605%	97.650%	103.400%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.085	1.177	1.710	0.976	0.348	0.843	4.976	2.025

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	21.370	23.240	20.450	19.710	48.070	48.440	0.000	23.810
2	16:14:56	19.670	23.330	21.930	19.990	49.990	52.330	0.000	23.840
3	16:15:37	22.040	23.340	22.400	22.220	52.180	52.650	0.000	23.580
x		105.130%	93.225%	86.372%	103.195%	100.159%	102.283%	0.000	118.722%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		5.826	0.241	4.721	6.658	4.100	4.577	0.000	0.593

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	101.368%	2070.000	2141.000	88.426%	20.340	20.470	20.470	19.670
2	16:14:56	103.458%	2081.000	2148.000	90.684%	21.010	19.940	20.920	20.020
3	16:15:37	104.570%	2088.000	2167.000	91.161%	20.010	19.750	19.950	19.510
x		103.132%	103.998%	107.590%	90.091%	102.269%	100.258%	102.225%	98.669%
σ		1.626%	n/a	n/a	1.461%	n/a	n/a	n/a	n/a
%RSD		1.576	0.433	0.614	1.621	2.498	1.874	2.383	1.333

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	96.156%	110.400	21.320	21.470	20.900	20.460	103.455%	104.895%
2	16:14:56	99.302%	108.500	21.960	21.260	22.380	21.610	106.416%	108.235%
3	16:15:37	100.208%	110.400	21.580	21.670	21.430	21.730	108.098%	110.064%
x		98.555%	109.762%	108.098%	107.333%	107.843%	106.326%	105.990%	107.731%
σ		2.127%	n/a	n/a	n/a	n/a	n/a	2.351%	2.621%
%RSD		2.158	0.987	1.487	0.952	3.484	3.307	2.218	2.433

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:14	20.360	20.360	21.400	21.530	21.390	102.212%
2	16:14:56	21.090	20.700	21.360	21.310	21.450	105.234%
3	16:15:37	21.010	20.890	21.290	21.670	21.590	105.119%
x		104.115%	103.255%	106.752%	107.513%	107.397%	104.188%
σ		n/a	n/a	n/a	n/a	n/a	1.713%
%RSD		1.924	1.291	0.241	0.857	0.471	1.644

CCV 664806 12/29/2012 4:21:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	87.342%	102.900	107.600	97.350	0.000	50640.000	50570.000	45700.000
2	16:22:44	87.952%	100.700	105.900	99.090	0.000	50130.000	45490.000	45990.000
3	16:23:26	89.616%	104.000	96.410	99.390	0.000	49630.000	45570.000	45850.000
x		88.303%	102.567%	103.295%	98.612%	0.000	100.271%	94.421%	91.695%
σ		1.177%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.333	1.642	5.831	1.118	0.000	1.004	6.172	0.314
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	514.800	5066.000	0.000	50150.000	50850.000	50150.000	92.109%	101.400
2	16:22:44	509.400	5097.000	0.000	49920.000	50970.000	50400.000	93.088%	103.600
3	16:23:26	508.400	5082.000	0.000	49630.000	50980.000	51020.000	93.151%	100.200
x		102.170%	101.637%	0.000	99.794%	101.863%	101.046%	92.783%	101.716%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.584%	n/a
%RSD		0.679	0.307	0.000	0.526	0.139	0.883	0.629	1.741
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	97.770	99.190	503.100	24740.000	25300.000	101.200	100.500	100.200
2	16:22:44	99.300	99.940	507.600	24360.000	25300.000	101.300	100.200	101.900
3	16:23:26	101.100	101.300	510.100	24350.000	25480.000	102.100	100.900	102.400
x		99.380%	100.159%	101.382%	97.939%	101.437%	101.544%	100.534%	101.472%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.665	1.095	0.704	0.920	0.396	0.463	0.344	1.149
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	101.000	103.700	106.000	102.900	96.820	101.200	0.000	99.390
2	16:22:44	101.500	102.400	104.300	100.600	104.300	103.700	0.000	99.340
3	16:23:26	102.100	104.900	103.600	100.300	101.000	103.900	0.000	98.420
x		101.559%	103.682%	104.634%	101.275%	100.705%	102.954%	0.000	99.052%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.566	1.250	1.194	1.409	3.742	1.448	0.000	0.553
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	97.150%	103.100	103.500	95.325%	98.370	97.350	98.180	97.060
2	16:22:44	99.072%	102.500	102.700	97.379%	97.570	97.930	100.300	96.800
3	16:23:26	99.645%	105.100	103.200	97.906%	98.990	97.920	97.030	96.480
x		98.622%	103.571%	103.144%	96.870%	98.311%	97.734%	98.512%	96.781%
σ		1.307%	n/a	n/a	1.364%	n/a	n/a	n/a	n/a
%RSD		1.325	1.322	0.409	1.408	0.722	0.337	1.693	0.304
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:03	99.780%	99.470	100.400	99.170	97.960	96.860	104.235%	106.705%
2	16:22:44	103.954%	98.110	98.940	100.400	99.310	99.180	108.104%	109.368%
3	16:23:26	104.779%	99.330	99.130	98.250	97.890	99.830	109.767%	110.787%
x		102.838%	98.969%	99.492%	99.285%	98.386%	98.622%	107.368%	108.954%
σ		2.680%	n/a	n/a	n/a	n/a	n/a	2.838%	2.072%
%RSD		2.606	0.754	0.802	1.101	0.812	1.587	2.643	1.902
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:22:03	99.950	99.110	100.200	99.210	99.690	103.595%		
2	16:22:44	99.320	99.730	101.000	99.500	100.000	107.133%		
3	16:23:26	100.200	99.890	100.100	99.650	100.000	107.969%		
x		99.836%	99.577%	100.453%	99.454%	99.910%	106.232%		
σ		n/a	n/a	n/a	n/a	n/a	2.322%		
%RSD		0.465	0.413	0.517	0.223	0.194	2.185		

CCB1 12/29/2012 4:28:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	97.260%	-0.031	0.098	0.577	0.000	-30.430	3.497	4.598
2	16:29:52	100.338%	-0.000	0.174	0.277	0.000	-29.890	4.539	3.702
3	16:30:34	102.955%	-0.031	0.253	0.125	0.000	-25.840	8.476	7.005
x		100.184%	-0.021	0.175	0.326	0.000	-28.720	5.504	5.102
σ		2.851%	0.017	0.078	0.230	0.000	2.506	2.626	1.708
%RSD		2.845	84.690	44.330	70.480	0.000	8.726	47.710	33.480

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	-2.781	3.904	0.000	29.230	18.880	4.814	103.316%	0.264
2	16:29:52	-3.117	3.563	0.000	29.820	14.210	2.221	105.082%	0.110
3	16:30:34	-2.068	4.233	0.000	32.190	22.760	10.210	105.050%	0.011
x		-2.655	3.900	0.000	30.410	18.620	5.748	104.483%	0.129
σ		0.535	0.335	0.000	1.568	4.284	4.076	1.011%	0.128
%RSD		20.170	8.585	0.000	5.156	23.010	70.910	0.967	99.060

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.050	0.061	0.061	17.130	20.270	-0.020	0.048	0.042
2	16:29:52	-0.005	-0.007	0.051	11.840	16.020	-0.002	0.063	-0.037
3	16:30:34	0.029	0.022	0.067	11.170	12.920	0.004	0.014	-0.022
x		0.025	0.025	0.060	13.380	16.410	-0.006	0.041	-0.006
σ		0.027	0.034	0.008	3.266	3.691	0.013	0.025	0.042
%RSD		111.100	133.300	13.340	24.410	22.500	218.000	60.940	749.600

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.161	0.254	0.361	0.049	0.108	0.316	0.000	0.015
2	16:29:52	0.104	0.404	0.112	-0.128	0.211	-0.205	0.000	0.001
3	16:30:34	0.021	0.147	0.419	0.040	-0.373	-0.234	0.000	0.037
x		0.095	0.268	0.297	-0.013	-0.018	-0.041	0.000	0.018
σ		0.071	0.129	0.163	0.100	0.311	0.309	0.000	0.018
%RSD		74.120	48.170	54.820	774.200	1742.000	756.900	0.000	101.200

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	104.669%	1.012	0.862	105.402%	0.023	0.017	0.181	0.055
2	16:29:52	106.783%	0.895	0.894	107.505%	0.004	0.008	0.060	-0.043
3	16:30:34	107.976%	0.734	0.743	108.429%	0.015	0.012	0.048	-0.010
x		106.476%	0.880	0.833	107.112%	0.014	0.012	0.097	0.001
σ		1.675%	0.139	0.079	1.551%	0.009	0.004	0.073	0.050
%RSD		1.573	15.820	9.535	1.448	66.690	33.200	76.120	9152.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	106.851%	0.315	0.025	0.003	-0.055	-0.017	107.584%	108.035%
2	16:29:52	109.450%	0.353	0.032	-0.003	-0.097	-0.065	110.443%	110.689%
3	16:30:34	109.877%	0.007	0.031	0.007	-0.077	-0.030	111.243%	111.671%
x		108.726%	0.225	0.029	0.002	-0.077	-0.037	109.757%	110.132%
σ		1.638%	0.190	0.004	0.005	0.021	0.025	1.923%	1.881%
%RSD		1.506	84.160	12.760	203.600	27.240	67.270	1.752	1.708

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:10	0.049	0.040	0.048	0.019	0.033	110.244%
2	16:29:52	0.052	0.046	0.009	0.021	0.026	112.504%
3	16:30:34	0.040	0.051	0.014	0.011	0.022	113.573%
x		0.047	0.046	0.024	0.017	0.027	112.107%
σ		0.006	0.005	0.022	0.005	0.006	1.700%
%RSD		13.010	11.830	90.540	29.430	20.660	1.516

MB 180-59010/1-A 12/29/2012 4:35:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	101.869%	-0.001	-0.272	0.093	0.000	-43.110	-1.320	-0.674
2	16:36:59	104.127%	-0.031	-0.077	-0.011	0.000	-42.040	-0.856	-0.232
3	16:37:41	104.301%	-0.031	-0.184	-0.136	0.000	-39.510	-1.163	-0.178
x		103.432%	-0.021	-0.178	-0.018	0.000	-41.550	-1.113	-0.361
σ		1.357%	0.017	0.098	0.115	0.000	1.849	0.236	0.273
%RSD		1.312	82.980	54.990	646.700	0.000	4.449	21.190	75.440

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	-3.589	7.524	0.000	20.640	-2.960	1.495	104.618%	-0.038
2	16:36:59	-3.488	6.341	0.000	22.060	18.280	2.605	106.030%	0.109
3	16:37:41	-3.260	7.431	0.000	22.430	9.810	1.868	105.771%	0.109
x		-3.446	7.099	0.000	21.710	8.376	1.989	105.473%	0.060
σ		0.169	0.658	0.000	0.949	10.690	0.565	0.752%	0.085
%RSD		4.889	9.265	0.000	4.369	127.600	28.370	0.713	141.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.110	0.050	0.001	6.206	8.026	-0.026	0.080	0.141
2	16:36:59	0.011	0.051	0.018	5.184	6.374	-0.020	0.013	0.126
3	16:37:41	-0.000	0.041	-0.002	4.357	7.457	-0.014	0.014	0.002
x		0.040	0.048	0.006	5.249	7.286	-0.020	0.036	0.090
σ		0.060	0.006	0.011	0.926	0.839	0.006	0.038	0.077
%RSD		150.600	11.640	195.200	17.640	11.520	30.160	107.600	85.250

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.123	1.818	1.610	-0.145	0.069	-0.427	0.000	-0.035
2	16:36:59	0.053	1.571	2.099	-0.324	-2.099	-0.902	0.000	-0.021
3	16:37:41	0.087	1.596	1.200	0.145	-1.262	0.791	0.000	-0.035
x		0.088	1.662	1.636	-0.108	-1.097	-0.179	0.000	-0.031
σ		0.035	0.136	0.450	0.237	1.093	0.873	0.000	0.008
%RSD		40.180	8.189	27.510	219.200	99.680	487.000	0.000	26.470

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	105.495%	0.484	0.395	106.009%	0.001	-0.003	0.054	0.009
2	16:36:59	106.915%	0.282	0.335	107.931%	0.004	-0.003	0.003	-0.020
3	16:37:41	106.490%	0.474	0.421	107.877%	-0.003	-0.003	0.005	-0.051
x		106.300%	0.414	0.384	107.272%	0.001	-0.003	0.020	-0.021
σ		0.729%	0.114	0.044	1.095%	0.004	0.000	0.029	0.030
%RSD		0.686	27.540	11.590	1.020	519.600	1.345	141.100	145.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	106.717%	1.604	0.009	-0.012	-0.097	-0.053	106.864%	107.934%
2	16:36:59	108.139%	1.483	-0.003	-0.023	-0.077	-0.065	109.299%	109.690%
3	16:37:41	109.307%	1.338	0.005	-0.018	-0.036	-0.030	108.903%	110.126%
x		108.054%	1.475	0.004	-0.018	-0.070	-0.049	108.356%	109.250%
σ		1.297%	0.133	0.006	0.005	0.031	0.018	1.307%	1.161%
%RSD		1.200	9.043	170.500	29.680	43.990	36.920	1.206	1.062

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:17	0.021	0.025	0.007	0.025	0.014	110.691%
2	16:36:59	0.016	0.015	0.014	0.018	0.017	112.159%
3	16:37:41	0.023	0.010	0.006	0.015	0.017	112.245%
x		0.020	0.017	0.009	0.019	0.016	111.698%
σ		0.003	0.008	0.005	0.005	0.002	0.874%
%RSD		17.280	46.750	50.290	26.420	9.533	0.782

LCS 180-59010/2-A 12/29/2012 4:39:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	94.663%	50.140	984.200	957.900	0.000	47880.000	42790.000	43220.000
2	16:41:13	94.972%	51.320	1024.000	979.800	0.000	47530.000	43370.000	47480.000
3	16:41:54	94.304%	50.540	1034.000	986.300	0.000	47680.000	43470.000	43880.000
x		94.646%	50.670	1014.000	974.700	0.000	47700.000	43210.000	44860.000
σ		0.335%	0.599	26.270	14.870	0.000	172.800	368.400	2293.000
%RSD		0.354	1.181	2.591	1.525	0.000	0.362	0.853	5.112

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	1905.000	9492.000	0.000	48380.000	50080.000	48890.000	92.944%	961.000
2	16:41:13	1920.000	9513.000	0.000	47630.000	49320.000	48770.000	94.877%	972.600
3	16:41:54	1926.000	9570.000	0.000	47500.000	50000.000	48960.000	94.411%	968.400
x		1917.000	9525.000	0.000	47840.000	49800.000	48870.000	94.077%	967.300
σ		10.730	40.360	0.000	472.300	417.100	94.450	1.009%	5.890
%RSD		0.560	0.424	0.000	0.987	0.838	0.193	1.072	0.609

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	488.400	194.500	489.700	921.200	1186.000	481.900	485.700	244.200
2	16:41:13	486.900	194.100	489.800	923.800	1190.000	481.900	484.900	240.700
3	16:41:54	482.600	193.900	493.400	926.700	1203.000	482.600	477.300	236.300
x		486.000	194.100	491.000	923.900	1193.000	482.100	482.600	240.400
σ		2.997	0.310	2.109	2.752	9.095	0.431	4.616	3.949
%RSD		0.617	0.160	0.430	0.298	0.762	0.089	0.957	1.643

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	238.400	510.700	514.000	38.500	10.490	10.790	0.000	953.900
2	16:41:13	237.800	515.700	522.600	38.780	8.410	9.416	0.000	961.500
3	16:41:54	240.700	515.100	516.100	37.050	11.220	9.252	0.000	960.000
x		239.000	513.800	517.600	38.110	10.040	9.820	0.000	958.400
σ		1.546	2.731	4.463	0.928	1.458	0.847	0.000	4.020
%RSD		0.647	0.532	0.862	2.434	14.520	8.622	0.000	0.419

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	97.872%	937.200	944.700	94.825%	48.360	48.300	50.520	41.420
2	16:41:13	99.837%	969.200	980.400	97.277%	48.100	49.200	51.420	41.450
3	16:41:54	99.787%	972.700	980.800	97.366%	47.900	47.570	49.540	41.690
x		99.166%	959.700	968.600	96.490%	48.120	48.360	50.500	41.520
σ		1.120%	19.590	20.760	1.442%	0.230	0.819	0.940	0.149
%RSD		1.130	2.041	2.143	1.495	0.478	1.693	1.862	0.358

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	99.840%	1964.000	490.900	491.700	1922.000	1922.000	104.752%	106.444%
2	16:41:13	102.197%	1991.000	499.700	498.900	1920.000	1928.000	108.458%	109.237%
3	16:41:54	104.372%	1973.000	493.500	494.700	1923.000	1911.000	108.673%	110.965%
x		102.137%	1976.000	494.700	495.100	1922.000	1920.000	107.294%	108.882%
σ		2.267%	14.110	4.532	3.648	1.633	8.671	2.204%	2.282%
%RSD		2.219	0.714	0.916	0.737	0.085	0.452	2.055	2.095

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:40:31	45.350	45.650	19.870	19.400	19.600	105.065%
2	16:41:13	47.030	47.170	19.800	19.780	19.940	107.389%
3	16:41:54	48.310	47.510	20.090	20.540	20.220	107.593%
x		46.900	46.780	19.920	19.910	19.920	106.683%
σ		1.484	0.989	0.152	0.579	0.311	1.404%
%RSD		3.164	2.114	0.763	2.906	1.561	1.316

LCSD 180-59010/3-A 12/29/2012 4:44:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	96.502%	50.270	1007.000	968.000	0.000	47820.000	43630.000	44010.000
2	16:45:26	97.184%	49.890	980.800	979.500	0.000	47430.000	43730.000	47850.000
3	16:46:08	95.922%	49.860	1007.000	976.300	0.000	47790.000	44150.000	44700.000
x		96.536%	50.000	998.300	974.600	0.000	47680.000	43840.000	45520.000
σ		0.632%	0.230	15.140	5.938	0.000	214.600	276.600	2045.000
%RSD		0.654	0.460	1.517	0.609	0.000	0.450	0.631	4.492

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	1948.000	9833.000	0.000	49330.000	51770.000	51020.000	89.396%	1031.000
2	16:45:26	1966.000	9831.000	0.000	48900.000	51140.000	51100.000	89.284%	1015.000
3	16:46:08	1971.000	9932.000	0.000	49380.000	52020.000	51670.000	87.840%	1037.000
x		1962.000	9865.000	0.000	49200.000	51640.000	51260.000	88.840%	1028.000
σ		11.740	57.420	0.000	260.700	456.000	351.700	0.868%	11.530
%RSD		0.598	0.582	0.000	0.530	0.883	0.686	0.977	1.122

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	511.300	205.100	516.600	851.400	1088.000	511.000	514.300	255.700
2	16:45:26	513.800	205.800	517.000	851.000	1138.000	515.000	509.400	254.200
3	16:46:08	522.000	208.000	521.100	859.800	1102.000	515.600	518.400	258.300
x		515.700	206.300	518.200	854.100	1110.000	513.900	514.000	256.100
σ		5.611	1.549	2.468	4.974	25.670	2.493	4.518	2.051
%RSD		1.088	0.751	0.476	0.582	2.313	0.485	0.879	0.801

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	253.100	538.900	534.600	41.850	9.946	8.838	0.000	980.600
2	16:45:26	255.700	544.000	545.300	40.310	9.114	11.590	0.000	990.500
3	16:46:08	255.600	542.200	548.800	41.730	11.060	11.110	0.000	988.100
x		254.800	541.700	542.900	41.300	10.040	10.510	0.000	986.400
σ		1.471	2.591	7.406	0.857	0.975	1.471	0.000	5.171
%RSD		0.577	0.478	1.364	2.075	9.713	13.990	0.000	0.524

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	95.725%	985.300	993.000	92.945%	50.600	50.000	50.010	42.880
2	16:45:26	95.752%	1010.000	1007.000	94.124%	49.930	48.990	51.030	42.240
3	16:46:08	95.731%	1018.000	1020.000	93.230%	50.700	49.860	53.480	43.560
x		95.736%	1004.000	1007.000	93.433%	50.410	49.620	51.500	42.890
σ		0.014%	16.980	13.750	0.616%	0.420	0.550	1.782	0.660
%RSD		0.015	1.691	1.366	0.659	0.833	1.109	3.460	1.539

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	98.376%	2035.000	505.700	501.800	1963.000	1982.000	103.403%	106.142%
2	16:45:26	100.113%	2027.000	505.700	505.500	1971.000	1968.000	105.958%	106.819%
3	16:46:08	99.057%	2040.000	507.100	511.200	1985.000	1979.000	105.655%	106.816%
x		99.182%	2034.000	506.200	506.200	1973.000	1976.000	105.005%	106.592%
σ		0.875%	6.766	0.806	4.722	11.090	7.646	1.396%	0.390%
%RSD		0.882	0.333	0.159	0.933	0.562	0.387	1.329	0.366

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:44:44	48.770	48.170	20.640	20.940	20.670	102.466%
2	16:45:26	50.220	50.050	21.050	20.950	20.970	102.728%
3	16:46:08	50.480	50.660	21.180	20.720	21.020	102.295%
x		49.820	49.630	20.960	20.870	20.890	102.496%
σ		0.920	1.296	0.284	0.132	0.189	0.218%
%RSD		1.847	2.612	1.354	0.630	0.906	0.213

180-17465-E-1-B 12/29/2012 4:48:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	93.825%	-0.031	161.100	167.000	0.000	36800.000	9509.000	9571.000
2	16:49:40	95.030%	0.002	165.000	165.000	0.000	36540.000	9577.000	9581.000
3	16:50:21	94.214%	0.002	163.600	166.100	0.000	36640.000	9596.000	9608.000
x		94.356%	-0.009	163.200	166.000	0.000	36660.000	9560.000	9587.000
σ		0.615%	0.019	1.990	0.991	0.000	130.600	45.640	18.730
%RSD		0.652	204.000	1.219	0.597	0.000	0.356	0.477	0.195

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	-1.924	5947.000	0.000	1670.000	26900.000	27180.000	88.875%	3.473
2	16:49:40	-2.541	5967.000	0.000	1684.000	27500.000	27140.000	89.229%	2.179
3	16:50:21	-2.396	5914.000	0.000	1673.000	26840.000	27100.000	89.581%	1.591
x		-2.287	5942.000	0.000	1676.000	27080.000	27140.000	89.228%	2.414
σ		0.323	26.790	0.000	7.250	362.700	37.320	0.353%	0.963
%RSD		14.120	0.451	0.000	0.433	1.339	0.138	0.396	39.860

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	-0.432	0.595	52.220	228.100	317.400	0.121	0.241	1.196
2	16:49:40	-1.689	0.516	52.490	225.800	305.900	0.076	0.118	1.077
3	16:50:21	-0.953	0.488	52.670	221.600	306.000	0.040	0.103	1.087
x		-1.025	0.533	52.460	225.200	309.800	0.079	0.154	1.120
σ		0.632	0.056	0.227	3.278	6.605	0.041	0.075	0.066
%RSD		61.620	10.460	0.432	1.456	2.132	51.500	48.880	5.890

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	1.439	2.223	3.121	1.133	-0.665	-0.812	0.000	762.100
2	16:49:40	1.239	2.187	3.261	2.179	-1.222	-0.631	0.000	773.200
3	16:50:21	1.155	2.150	3.442	0.782	-1.242	-1.129	0.000	764.200
x		1.278	2.187	3.275	1.365	-1.043	-0.857	0.000	766.500
σ		0.146	0.036	0.161	0.726	0.328	0.252	0.000	5.919
%RSD		11.440	1.648	4.907	53.230	31.430	29.400	0.000	0.772

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	91.417%	12.740	12.020	89.868%	0.002	0.020	-0.005	-0.151
2	16:49:40	92.054%	7.237	7.785	90.813%	0.014	0.015	0.040	-0.114
3	16:50:21	92.772%	5.246	5.354	91.079%	0.006	0.006	0.039	-0.111
x		92.081%	8.409	8.385	90.587%	0.007	0.014	0.024	-0.125
σ		0.678%	3.884	3.372	0.637%	0.006	0.007	0.026	0.022
%RSD		0.736	46.190	40.210	0.703	85.420	50.180	106.100	17.970

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	95.449%	15.070	0.238	0.268	327.000	324.800	99.568%	101.071%
2	16:49:40	96.700%	10.480	0.156	0.169	328.800	330.500	101.270%	103.331%
3	16:50:21	97.075%	8.274	0.116	0.112	332.400	330.200	102.038%	103.130%
x		96.408%	11.270	0.170	0.183	329.400	328.500	100.959%	102.511%
σ		0.851%	3.466	0.062	0.079	2.777	3.188	1.264%	1.251%
%RSD		0.883	30.750	36.490	43.100	0.843	0.970	1.252	1.220

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:48:58	1.171	1.126	0.142	0.152	0.138	101.653%
2	16:49:40	0.827	0.858	0.131	0.116	0.116	102.889%
3	16:50:21	0.629	0.649	0.110	0.096	0.100	103.192%
x		0.876	0.878	0.127	0.121	0.118	102.578%
σ		0.274	0.239	0.016	0.029	0.019	0.816%
%RSD		31.280	27.200	12.820	23.540	16.110	0.795

180-17465-E-1-B SD@5 12/29/2012 4:52:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	84.505%	0.005	39.820	40.790	0.000	7456.000	1918.000	1917.000
2	16:53:54	84.845%	0.041	39.280	39.960	0.000	7490.000	1929.000	1920.000
3	16:54:35	86.366%	-0.031	33.540	39.300	0.000	7396.000	1916.000	1914.000
x		85.239%	0.005	37.550	40.010	0.000	7447.000	1921.000	1917.000
σ		0.991%	0.036	3.482	0.749	0.000	47.430	7.123	2.879
%RSD		1.162	685.900	9.274	1.872	0.000	0.637	0.371	0.150

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	-3.372	1184.000	0.000	351.000	5627.000	5391.000	84.915%	0.829
2	16:53:54	-3.270	1186.000	0.000	355.400	5602.000	5463.000	84.961%	1.194
3	16:54:35	-3.622	1186.000	0.000	355.400	5458.000	5516.000	85.066%	0.949
x		-3.422	1185.000	0.000	353.900	5562.000	5456.000	84.981%	0.991
σ		0.181	1.191	0.000	2.530	91.220	62.960	0.078%	0.186
%RSD		5.301	0.101	0.000	0.715	1.640	1.154	0.091	18.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.121	0.146	10.500	47.310	65.180	0.205	0.300	0.542
2	16:53:54	0.050	0.061	10.430	46.640	61.300	0.127	0.199	0.470
3	16:54:35	-0.372	0.142	10.920	46.530	62.510	0.150	0.320	0.345
x		-0.067	0.116	10.620	46.830	63.000	0.161	0.273	0.452
σ		0.267	0.048	0.265	0.425	1.984	0.040	0.065	0.100
%RSD		398.000	41.360	2.491	0.907	3.150	24.650	23.910	22.100

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.377	0.948	1.555	0.170	-1.280	-0.838	0.000	151.900
2	16:53:54	0.493	0.650	1.543	-0.346	-0.968	-0.958	0.000	153.600
3	16:54:35	0.515	1.031	1.099	-0.477	-1.634	-1.939	0.000	153.400
x		0.462	0.876	1.399	-0.217	-1.294	-1.245	0.000	152.900
σ		0.074	0.200	0.259	0.342	0.333	0.604	0.000	0.921
%RSD		16.080	22.870	18.550	157.300	25.730	48.500	0.000	0.602

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	86.762%	2.500	2.444	86.980%	0.002	0.016	0.034	-0.042
2	16:53:54	87.800%	2.397	2.371	87.778%	0.028	0.016	0.089	-0.050
3	16:54:35	87.297%	2.114	2.050	87.587%	0.028	0.016	-0.045	-0.062
x		87.286%	2.337	2.288	87.448%	0.019	0.016	0.026	-0.051
σ		0.519%	0.200	0.210	0.417%	0.015	0.000	0.067	0.010
%RSD		0.595	8.566	9.157	0.477	76.570	0.997	260.100	19.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	90.617%	4.743	0.266	0.242	66.190	66.890	95.164%	95.903%
2	16:53:54	92.174%	4.147	0.188	0.297	64.420	66.080	96.237%	97.336%
3	16:54:35	91.980%	4.307	0.175	0.232	66.700	65.360	96.566%	96.393%
x		91.590%	4.399	0.209	0.257	65.770	66.110	95.989%	96.544%
σ		0.848%	0.309	0.049	0.035	1.198	0.761	0.733%	0.728%
%RSD		0.926	7.017	23.550	13.490	1.822	1.152	0.764	0.754

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:12	0.454	0.430	0.024	0.025	0.030	96.218%
2	16:53:54	0.433	0.407	0.024	0.032	0.029	97.303%
3	16:54:35	0.420	0.320	0.027	0.024	0.040	97.930%
x		0.436	0.385	0.025	0.027	0.033	97.150%
σ		0.017	0.058	0.002	0.004	0.006	0.866%
%RSD		3.841	15.080	6.052	14.950	18.910	0.892

180-17460-A-1-A 12/29/2012 4:56:45 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	86.384%	0.040	33.880	33.720	0.000	15360.000	5170.000	5169.000
2	16:58:09	86.428%	0.146	34.600	34.600	0.000	15350.000	5220.000	5216.000
3	16:58:51	88.002%	0.178	29.890	33.330	0.000	15120.000	5137.000	5160.000
x		86.938%	0.121	32.790	33.880	0.000	15280.000	5176.000	5182.000
σ		0.922%	0.072	2.537	0.647	0.000	135.300	42.170	29.750
%RSD		1.060	59.480	7.739	1.909	0.000	0.886	0.815	0.574

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	978.300	3459.000	0.000	2004.000	24750.000	24530.000	82.998%	9.719
2	16:58:09	981.400	3456.000	0.000	2006.000	24850.000	24430.000	83.608%	10.330
3	16:58:51	976.500	3403.000	0.000	2018.000	25180.000	24500.000	83.497%	9.842
x		978.700	3439.000	0.000	2009.000	24920.000	24490.000	83.367%	9.962
σ		2.465	31.460	0.000	7.661	224.300	47.380	0.325%	0.321
%RSD		0.252	0.915	0.000	0.381	0.900	0.194	0.390	3.224

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	0.727	1.953	264.800	2066.000	2530.000	2.808	5.267	30.350
2	16:58:09	1.140	1.810	266.900	2072.000	2603.000	2.890	6.167	29.530
3	16:58:51	1.343	1.952	267.300	2082.000	2547.000	2.863	6.894	28.550
x		1.070	1.905	266.300	2073.000	2560.000	2.854	6.110	29.470
σ		0.314	0.082	1.333	8.526	38.410	0.042	0.815	0.901
%RSD		29.330	4.307	0.501	0.411	1.500	1.460	13.340	3.058

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	27.630	27.130	28.350	0.833	-0.684	-0.927	0.000	124.800
2	16:58:09	27.530	28.080	30.350	0.035	-0.499	-2.002	0.000	126.200
3	16:58:51	30.070	27.910	26.620	0.495	-1.070	-0.067	0.000	125.800
x		28.410	27.710	28.440	0.454	-0.751	-0.999	0.000	125.600
σ		1.436	0.508	1.870	0.400	0.291	0.970	0.000	0.707
%RSD		5.055	1.833	6.573	88.080	38.760	97.090	0.000	0.563

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	86.485%	1.238	1.621	84.379%	0.034	0.032	0.224	0.152
2	16:58:09	87.674%	1.609	1.552	85.890%	0.072	0.073	0.001	0.025
3	16:58:51	87.912%	1.357	1.523	86.236%	0.029	0.035	0.008	0.117
x		87.357%	1.401	1.565	85.502%	0.045	0.046	0.078	0.098
σ		0.765%	0.190	0.050	0.988%	0.024	0.023	0.127	0.066
%RSD		0.875	13.540	3.225	1.155	53.220	48.990	162.700	67.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	88.135%	5.341	0.183	0.152	45.790	46.100	93.094%	94.343%
2	16:58:09	91.642%	5.105	0.189	0.162	48.870	46.890	96.223%	97.280%
3	16:58:51	91.464%	4.710	0.222	0.240	45.850	45.580	96.456%	97.519%
x		90.414%	5.052	0.198	0.185	46.840	46.190	95.258%	96.381%
σ		1.975%	0.319	0.021	0.048	1.760	0.661	1.877%	1.769%
%RSD		2.185	6.309	10.500	26.020	3.758	1.432	1.971	1.835

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:27	0.247	0.278	5.653	5.732	5.691	97.148%
2	16:58:09	0.215	0.271	5.806	5.670	5.715	98.242%
3	16:58:51	0.228	0.226	5.799	5.747	5.751	99.369%
x		0.230	0.258	5.753	5.716	5.719	98.253%
σ		0.016	0.028	0.086	0.041	0.030	1.111%
%RSD		6.944	10.930	1.500	0.716	0.521	1.130

180-17460-A-2-A 12/29/2012 5:01:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	86.269%	0.040	30.260	31.620	0.000	15830.000	4886.000	4871.000
2	17:02:25	87.806%	-0.031	29.890	30.870	0.000	15830.000	4898.000	4891.000
3	17:03:06	87.204%	0.074	30.730	30.550	0.000	15840.000	4897.000	4924.000
x		87.093%	0.028	30.300	31.010	0.000	15830.000	4894.000	4896.000
σ		0.774%	0.054	0.418	0.551	0.000	3.879	6.397	26.990
%RSD		0.889	191.500	1.380	1.777	0.000	0.024	0.131	0.551

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	570.900	2292.000	0.000	1923.000	23900.000	23240.000	81.535%	2.075
2	17:02:25	571.000	2304.000	0.000	1932.000	23460.000	23210.000	81.732%	1.499
3	17:03:06	577.800	2301.000	0.000	1930.000	23740.000	23450.000	81.500%	2.648
x		573.300	2299.000	0.000	1928.000	23700.000	23300.000	81.589%	2.074
σ		3.953	6.071	0.000	4.826	218.800	129.400	0.125%	0.575
%RSD		0.690	0.264	0.000	0.250	0.923	0.555	0.153	27.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	-0.553	0.747	47.960	683.100	889.200	0.222	2.718	56.360
2	17:02:25	-1.436	0.876	47.910	679.800	859.000	0.296	2.938	57.610
3	17:03:06	-0.646	0.702	48.270	681.500	868.000	0.292	2.692	57.020
x		-0.878	0.775	48.050	681.500	872.100	0.270	2.783	57.000
σ		0.486	0.090	0.194	1.610	15.500	0.042	0.135	0.622
%RSD		55.290	11.660	0.404	0.236	1.777	15.510	4.858	1.091

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	56.700	143.200	141.500	-0.644	-1.654	-2.650	0.000	120.400
2	17:02:25	56.000	140.700	142.200	-0.118	-1.087	-0.925	0.000	120.700
3	17:03:06	56.370	143.900	140.600	-0.281	-1.435	-1.087	0.000	121.900
x		56.360	142.600	141.400	-0.348	-1.392	-1.554	0.000	121.000
σ		0.351	1.663	0.774	0.270	0.286	0.952	0.000	0.778
%RSD		0.623	1.166	0.547	77.540	20.530	61.280	0.000	0.643

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	84.117%	1.194	1.451	83.342%	0.093	0.056	0.277	0.110
2	17:02:25	84.816%	1.104	1.115	84.230%	0.029	0.036	0.115	0.080
3	17:03:06	84.806%	0.915	0.938	84.030%	0.025	0.060	0.221	0.024
x		84.580%	1.071	1.168	83.868%	0.049	0.051	0.204	0.071
σ		0.401%	0.143	0.261	0.466%	0.038	0.013	0.082	0.043
%RSD		0.474	13.300	22.300	0.555	77.530	25.390	40.290	60.790

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	89.444%	3.828	0.119	0.101	35.640	34.740	93.385%	94.523%
2	17:02:25	90.105%	4.024	0.094	0.118	35.020	34.100	94.320%	96.013%
3	17:03:06	89.535%	3.858	0.142	0.094	36.250	35.930	94.484%	96.018%
x		89.695%	3.903	0.119	0.104	35.640	34.930	94.063%	95.518%
σ		0.358%	0.106	0.024	0.012	0.615	0.926	0.593%	0.862%
%RSD		0.399	2.713	20.120	11.620	1.725	2.653	0.630	0.902

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:43	0.183	0.160	8.535	8.144	8.240	95.499%
2	17:02:25	0.209	0.162	8.533	8.408	8.393	96.636%
3	17:03:06	0.159	0.187	8.470	8.354	8.414	96.633%
x		0.183	0.170	8.513	8.302	8.349	96.256%
σ		0.025	0.015	0.037	0.140	0.095	0.655%
%RSD		13.410	8.959	0.433	1.684	1.140	0.681

180-17457-C-3-A 12/29/2012 5:05:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	84.026%	0.006	2076.000	1989.000	0.000	53600.000	99270.000	98850.000
2	17:06:40	83.329%	-0.031	2120.000	2007.000	0.000	50780.000	93370.000	92930.000
3	17:07:21	84.041%	0.006	2177.000	2040.000	0.000	53660.000	99540.000	99610.000
x		83.799%	-0.006	2124.000	2012.000	0.000	52680.000	97400.000	97130.000
σ		0.407%	0.021	50.510	25.860	0.000	1643.000	3489.000	3657.000
%RSD		0.485	329.500	2.378	1.285	0.000	3.119	3.582	3.765

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	61.110	3948.000	0.000	12180.000	278000.000	321700.000	78.040%	3.972
2	17:06:40	58.810	3739.000	0.000	10940.000	246700.000	283400.000	88.584%	2.800
3	17:07:21	62.860	4034.000	0.000	12190.000	282800.000	322600.000	77.376%	4.405
x		60.920	3907.000	0.000	11770.000	269200.000	309200.000	81.333%	3.726
σ		2.031	151.500	0.000	719.600	19620.000	22330.000	6.288%	0.830
%RSD		3.334	3.877	0.000	6.114	7.287	7.222	7.731	22.290

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	0.920	0.651	38.890	185.600	598.300	0.537	3.429	1.392
2	17:06:40	1.014	0.697	35.730	162.600	514.000	0.492	2.872	1.304
3	17:07:21	2.016	0.701	38.930	182.100	577.000	0.597	3.545	1.340
x		1.317	0.683	37.850	176.800	563.100	0.542	3.282	1.345
σ		0.607	0.028	1.840	12.390	43.840	0.053	0.360	0.044
%RSD		46.110	4.056	4.861	7.009	7.786	9.785	10.960	3.303

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	2.389	23.170	24.780	2.256	11.190	11.550	0.000	498.600
2	17:06:40	1.948	22.100	22.000	0.779	7.769	10.490	0.000	495.400
3	17:07:21	2.079	24.650	22.870	1.024	11.720	13.940	0.000	502.000
x		2.139	23.310	23.220	1.353	10.220	11.990	0.000	498.600
σ		0.227	1.283	1.419	0.791	2.143	1.767	0.000	3.306
%RSD		10.600	5.506	6.111	58.490	20.960	14.730	0.000	0.663

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	78.132%	5.718	5.307	74.385%	0.009	0.009	0.032	-0.131
2	17:06:40	79.519%	5.536	5.739	75.521%	0.003	0.025	0.196	0.123
3	17:07:21	79.007%	5.605	5.690	75.746%	0.003	-0.002	0.123	0.080
x		78.886%	5.620	5.579	75.217%	0.005	0.011	0.117	0.024
σ		0.701%	0.092	0.237	0.730%	0.003	0.013	0.082	0.136
%RSD		0.889	1.633	4.239	0.970	58.360	124.600	70.340	563.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	81.776%	6.935	0.260	0.178	27.550	28.340	88.372%	88.640%
2	17:06:40	82.441%	5.935	0.232	0.189	28.370	28.110	89.528%	90.592%
3	17:07:21	83.670%	5.681	0.213	0.277	27.510	27.670	90.375%	91.571%
x		82.629%	6.184	0.235	0.215	27.810	28.040	89.425%	90.268%
σ		0.960%	0.663	0.023	0.054	0.489	0.338	1.005%	1.492%
%RSD		1.162	10.720	9.963	25.070	1.758	1.206	1.124	1.653

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:58	0.135	0.157	0.379	0.468	0.433	84.021%
2	17:06:40	0.122	0.154	0.458	0.375	0.422	84.591%
3	17:07:21	0.114	0.121	0.394	0.457	0.431	85.964%
x		0.123	0.144	0.410	0.433	0.429	84.859%
σ		0.011	0.020	0.042	0.051	0.006	0.999%
%RSD		8.607	13.890	10.270	11.770	1.312	1.177

180-17417-C-1-A 12/29/2012 5:23:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	83.667%	0.265	14.470	13.490	0.000	2293.000	3626.000	3612.000
2	17:24:29	84.693%	0.006	14.150	14.670	0.000	2282.000	3644.000	3630.000
3	17:25:11	83.027%	0.081	14.420	14.050	0.000	2315.000	3611.000	3662.000
x		83.796%	0.118	14.350	14.070	0.000	2297.000	3627.000	3635.000
σ		0.841%	0.134	0.170	0.587	0.000	16.800	16.210	25.630
%RSD		1.003	113.700	1.183	4.172	0.000	0.732	0.447	0.705

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	484.800	4727.000	0.000	988.400	19370.000	19070.000	67.378%	2.528
2	17:24:29	486.600	4754.000	0.000	992.700	19180.000	19100.000	67.969%	1.742
3	17:25:11	492.700	4781.000	0.000	990.200	19250.000	19100.000	67.901%	2.431
x		488.000	4754.000	0.000	990.400	19260.000	19090.000	67.749%	2.234
σ		4.130	26.820	0.000	2.138	96.230	19.150	0.323%	0.428
%RSD		0.846	0.564	0.000	0.216	0.500	0.100	0.477	19.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	-0.406	0.474	538.000	262.200	339.300	5.173	12.280	9.363
2	17:24:29	-0.620	0.597	545.200	265.000	346.700	5.260	12.720	9.530
3	17:25:11	0.284	0.559	542.100	264.400	361.700	5.395	13.270	9.411
x		-0.247	0.543	541.800	263.900	349.200	5.276	12.760	9.435
σ		0.472	0.063	3.609	1.463	11.410	0.112	0.496	0.086
%RSD		190.900	11.530	0.666	0.554	3.268	2.114	3.890	0.913

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	9.816	37.040	38.320	0.674	-1.037	0.041	0.000	45.290
2	17:24:29	9.628	38.810	37.310	0.633	-1.620	0.461	0.000	47.010
3	17:25:11	8.584	40.680	38.340	-0.484	-0.650	0.516	0.000	47.040
x		9.343	38.840	37.990	0.275	-1.102	0.339	0.000	46.450
σ		0.664	1.821	0.590	0.657	0.488	0.260	0.000	1.005
%RSD		7.104	4.688	1.552	239.400	44.290	76.590	0.000	2.163

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	70.836%	0.223	0.450	72.316%	0.004	0.010	0.279	0.326
2	17:24:29	71.476%	0.379	0.258	73.715%	0.019	-0.001	0.432	0.249
3	17:25:11	71.566%	0.424	0.296	73.416%	0.009	0.015	0.118	0.169
x		71.293%	0.342	0.335	73.149%	0.011	0.008	0.276	0.248
σ		0.398%	0.106	0.102	0.737%	0.008	0.009	0.157	0.079
%RSD		0.558	30.850	30.390	1.007	71.880	106.500	56.840	31.690

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	73.372%	6.906	0.029	-0.004	155.400	150.500	82.679%	84.158%
2	17:24:29	75.073%	6.340	0.028	0.024	155.100	151.900	84.302%	85.286%
3	17:25:11	75.561%	5.878	0.033	0.017	147.300	151.900	84.701%	86.101%
x		74.669%	6.375	0.030	0.013	152.600	151.400	83.894%	85.181%
σ		1.149%	0.515	0.003	0.014	4.619	0.815	1.071%	0.976%
%RSD		1.539	8.082	9.256	114.700	3.027	0.538	1.276	1.145

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:47	0.090	0.082	0.259	0.312	0.283	82.124%
2	17:24:29	0.085	0.070	0.271	0.296	0.273	81.761%
3	17:25:11	0.046	0.069	0.272	0.271	0.289	80.517%
x		0.074	0.074	0.267	0.293	0.282	81.467%
σ		0.024	0.007	0.007	0.021	0.008	0.843%
%RSD		32.880	10.020	2.650	7.079	2.828	1.035

CRI 667994 12/29/2012 5:30:55 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	75.068%	0.748	4.187	6.857	0.000	60.340	80.980	80.520
2	17:32:18	76.333%	0.938	6.605	6.543	0.000	58.580	76.700	83.230
3	17:33:00	76.124%	0.738	6.764	6.322	0.000	60.200	81.480	82.430
x		75.842%	80.816%	117.039%	131.475%	0.000	74.633%	79.718%	82.060%
σ		0.678%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.894	13.960	24.680	4.089	0.000	1.642	3.297	1.702
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	27.650	478.600	0.000	88.400	128.400	106.800	64.601%	4.809
2	17:32:18	25.760	484.000	0.000	86.770	107.500	102.500	64.648%	4.323
3	17:33:00	27.270	485.700	0.000	86.750	154.900	105.600	65.080%	5.169
x		89.650%	96.552%	0.000	87.306%	130.269%	104.982%	64.776%	95.339%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.264%	n/a
%RSD		3.725	0.762	0.000	1.086	18.210	2.101	0.407	8.897
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	0.622	1.845	5.284	44.650	59.270	0.578	1.106	2.255
2	17:32:18	0.759	1.964	5.001	45.390	56.630	0.447	1.236	1.919
3	17:33:00	0.885	1.982	5.328	44.360	50.520	0.478	0.989	2.236
x		75.541%	96.527%	104.090%	89.602%	110.944%	100.206%	111.024%	106.842%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		17.420	3.849	3.408	1.185	8.091	13.680	11.120	8.831
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	2.028	5.215	5.646	1.053	4.744	3.964	0.000	4.825
2	17:32:18	1.787	4.795	4.882	1.438	4.425	5.263	0.000	4.922
3	17:33:00	2.052	6.125	4.990	0.725	3.880	6.068	0.000	4.871
x		97.788%	107.562%	103.457%	107.182%	86.998%	101.966%	0.000	97.457%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.485	12.640	7.998	33.300	10.050	20.830	0.000	0.995
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	66.936%	4.959	4.390	69.839%	0.968	1.007	0.947	0.772
2	17:32:18	67.166%	4.803	4.986	71.022%	1.094	0.905	0.886	1.071
3	17:33:00	68.182%	4.708	4.520	71.134%	0.915	1.058	0.758	1.128
x		67.428%	96.472%	92.636%	70.665%	99.227%	99.007%	86.361%	99.067%
σ		0.663%	n/a	n/a	0.718%	n/a	n/a	n/a	n/a
%RSD		0.984	2.628	6.766	1.015	9.281	7.844	11.160	19.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:36	70.137%	7.270	1.959	1.919	10.930	9.690	77.676%	78.869%
2	17:32:18	70.901%	7.277	1.984	2.079	10.150	9.455	78.648%	79.352%
3	17:33:00	70.725%	7.498	2.002	1.987	9.950	10.350	78.215%	79.615%
x		70.587%	146.966%	99.087%	99.751%	103.435%	98.322%	78.180%	79.279%
σ		0.400%	n/a	n/a	n/a	n/a	n/a	0.487%	0.379%
%RSD		0.567	1.762	1.093	4.029	5.013	4.730	0.623	0.478
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:31:36	1.147	1.105	1.134	1.058	1.084	73.258%		
2	17:32:18	1.034	1.089	1.116	1.152	1.077	73.856%		
3	17:33:00	1.228	1.113	0.991	0.996	1.057	74.285%		
x		113.591%	110.231%	108.044%	106.860%	107.268%	73.800%		
σ		n/a	n/a	n/a	n/a	n/a	0.516%		
%RSD		8.585	1.095	7.189	7.320	1.280	0.699		

CCV 664806 12/29/2012 5:35:11 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	72.844%	108.700	114.900	103.800	0.000	51350.000	44720.000	45070.000
2	17:36:34	74.030%	104.800	103.200	103.600	0.000	50950.000	45320.000	45520.000
3	17:37:16	75.622%	106.700	107.100	105.900	0.000	50970.000	45460.000	45730.000
x		74.165%	106.744%	108.413%	104.432%	0.000	102.178%	90.335%	90.879%
σ		1.394%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.880	1.851	5.510	1.218	0.000	0.447	0.866	0.748

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	503.300	5138.000	0.000	52290.000	53100.000	51580.000	70.174%	107.300
2	17:36:34	502.600	5157.000	0.000	51580.000	52120.000	51750.000	71.529%	102.800
3	17:37:16	509.100	5155.000	0.000	51720.000	53060.000	52610.000	72.216%	108.900
x		100.999%	103.000%	0.000	103.719%	105.523%	103.955%	71.306%	106.322%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.039%	n/a
%RSD		0.712	0.198	0.000	0.725	1.051	1.062	1.457	2.989

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	102.000	103.700	512.000	26170.000	25630.000	103.200	103.400	102.700
2	17:36:34	104.400	104.400	518.900	25740.000	26030.000	101.800	103.900	103.100
3	17:37:16	104.000	104.700	525.600	25840.000	26180.000	103.300	106.700	102.700
x		103.497%	104.295%	103.768%	103.669%	103.784%	102.809%	104.632%	102.803%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.233	0.503	1.317	0.872	1.080	0.818	1.700	0.216

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	98.850	105.200	105.700	100.600	99.860	101.100	0.000	99.250
2	17:36:34	103.800	106.600	103.800	100.600	100.500	101.400	0.000	100.400
3	17:37:16	99.860	103.600	107.900	98.920	96.530	101.400	0.000	99.870
x		100.833%	105.101%	105.788%	100.057%	98.965%	101.300%	0.000	99.848%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.582	1.432	1.968	0.985	2.159	0.151	0.000	0.592

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	76.276%	99.560	100.500	74.123%	99.860	99.720	101.500	99.830
2	17:36:34	78.224%	103.200	101.600	76.682%	100.400	98.260	97.640	99.420
3	17:37:16	80.003%	103.300	104.200	78.750%	98.780	98.800	100.600	98.840
x		78.168%	102.009%	102.073%	76.518%	99.694%	98.925%	99.888%	99.361%
σ		1.864%	n/a	n/a	2.318%	n/a	n/a	n/a	n/a
%RSD		2.385	2.078	1.855	3.029	0.848	0.744	1.997	0.498

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	77.626%	101.200	100.000	102.700	95.930	96.480	83.675%	84.793%
2	17:36:34	82.162%	98.680	100.300	99.970	96.460	96.180	87.465%	88.484%
3	17:37:16	83.320%	100.600	101.400	101.700	99.760	98.690	89.180%	91.039%
x		81.036%	100.148%	100.564%	101.480%	97.386%	97.116%	86.774%	88.105%
σ		3.010%	n/a	n/a	n/a	n/a	n/a	2.817%	3.140%
%RSD		3.714	1.309	0.764	1.379	2.129	1.416	3.246	3.564

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:35:53	98.600	98.620	100.000	98.990	100.100	84.294%
2	17:36:34	100.800	100.100	101.400	101.200	101.300	87.838%
3	17:37:16	101.400	100.500	101.400	101.300	101.500	89.336%
x		100.272%	99.760%	100.944%	100.509%	100.971%	87.156%
σ		n/a	n/a	n/a	n/a	n/a	2.589%
%RSD		1.472	1.009	0.780	1.313	0.730	2.971

CCB2 12/29/2012 5:42:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	80.154%	-0.031	1.034	0.832	0.000	-22.560	3.753	4.441
2	17:43:43	82.577%	-0.031	2.182	1.233	0.000	-21.150	4.989	4.871
3	17:44:24	80.450%	-0.031	0.616	1.335	0.000	-14.730	7.094	8.129
x		81.060%	-0.031	1.277	1.133	0.000	-19.480	5.279	5.814
σ		1.322%	0.000	0.811	0.266	0.000	4.172	1.689	2.016
%RSD		1.630	0.000	63.500	23.450	0.000	21.420	32.000	34.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	-4.162	3.944	0.000	6.817	25.390	2.377	79.295%	0.044
2	17:43:43	-3.951	3.140	0.000	8.336	8.310	10.790	79.698%	-0.022
3	17:44:24	-3.670	4.298	0.000	10.870	42.050	14.800	79.946%	-0.022
x		-3.928	3.794	0.000	8.675	25.250	9.322	79.647%	-0.000
σ		0.247	0.594	0.000	2.049	16.870	6.340	0.329%	0.038
%RSD		6.281	15.650	0.000	23.620	66.810	68.010	0.413	18690.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.036	0.006	0.032	14.670	18.010	-0.012	0.058	0.042
2	17:43:43	-0.029	0.016	0.027	9.817	14.000	0.000	0.100	-0.027
3	17:44:24	-0.020	-0.026	0.064	8.752	11.040	-0.008	0.013	0.067
x		-0.004	-0.001	0.041	11.080	14.350	-0.007	0.057	0.028
σ		0.035	0.022	0.020	3.152	3.496	0.006	0.044	0.049
%RSD		883.700	2271.000	48.620	28.450	24.360	93.990	76.090	176.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.087	0.398	0.279	-0.179	-0.215	-0.325	0.000	0.012
2	17:43:43	-0.092	0.700	0.338	-0.361	-1.274	-1.767	0.000	0.021
3	17:44:24	0.081	0.626	0.545	0.005	0.334	0.036	0.000	0.041
x		0.025	0.575	0.388	-0.179	-0.385	-0.686	0.000	0.025
σ		0.102	0.158	0.140	0.183	0.818	0.954	0.000	0.015
%RSD		401.100	27.460	36.050	102.400	212.500	139.100	0.000	59.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	77.311%	0.333	0.298	81.743%	0.021	0.013	0.078	0.046
2	17:43:43	79.061%	0.173	0.253	83.604%	0.016	0.037	-0.001	-0.107
3	17:44:24	78.970%	0.134	0.142	83.243%	0.012	0.018	0.143	0.080
x		78.447%	0.214	0.231	82.863%	0.017	0.023	0.073	0.006
σ		0.985%	0.106	0.080	0.987%	0.005	0.013	0.072	0.100
%RSD		1.256	49.430	34.810	1.191	29.150	56.880	98.080	1616.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	84.823%	0.591	0.032	0.019	-0.092	-0.020	87.038%	88.147%
2	17:43:43	85.896%	0.838	0.036	0.024	-0.117	-0.050	88.367%	89.493%
3	17:44:24	86.255%	0.217	0.046	-0.001	-0.016	-0.035	88.405%	90.358%
x		85.658%	0.549	0.038	0.014	-0.075	-0.035	87.936%	89.332%
σ		0.745%	0.313	0.007	0.013	0.053	0.015	0.778%	1.114%
%RSD		0.870	56.940	18.490	96.040	70.300	43.330	0.885	1.247

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:01	0.053	0.037	0.017	0.013	0.025	90.615%
2	17:43:43	0.038	0.054	0.014	0.028	0.023	91.831%
3	17:44:24	0.041	0.049	0.023	0.001	0.022	92.347%
x		0.044	0.047	0.018	0.014	0.023	91.598%
σ		0.008	0.009	0.005	0.013	0.001	0.889%
%RSD		17.920	18.640	26.960	95.580	5.405	0.971

MB 180-58541/1-A 12/29/2012 5:46:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	84.245%	-0.031	1.476	1.410	0.000	-4.745	0.147	0.581
2	17:48:00	86.099%	-0.031	0.394	1.137	0.000	-2.510	-0.915	-0.066
3	17:48:42	87.196%	-0.031	0.761	1.189	0.000	-4.835	-0.382	-0.419
x		85.847%	-0.031	0.877	1.246	0.000	-4.030	-0.383	0.032
σ		1.492%	0.000	0.550	0.145	0.000	1.317	0.531	0.507
%RSD		1.738	0.000	62.740	11.640	0.000	32.680	138.600	1585.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-3.998	4.764	0.000	15.040	20.120	3.329	77.664%	0.113
2	17:48:00	-4.266	4.323	0.000	13.710	25.740	5.337	78.014%	0.112
3	17:48:42	-4.097	5.646	0.000	14.040	31.400	8.069	78.151%	-0.021
x		-4.120	4.911	0.000	14.260	25.750	5.578	77.943%	0.068
σ		0.135	0.674	0.000	0.695	5.640	2.379	0.251%	0.077
%RSD		3.284	13.720	0.000	4.870	21.900	42.650	0.322	113.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-0.781	0.066	0.014	4.422	8.685	-0.020	0.103	0.106
2	17:48:00	-0.665	0.108	-0.011	2.579	5.890	-0.024	0.014	0.249
3	17:48:42	-0.855	0.132	-0.011	2.067	6.020	-0.033	0.123	0.027
x		-0.767	0.102	-0.003	3.023	6.865	-0.026	0.080	0.128
σ		0.095	0.033	0.015	1.239	1.578	0.006	0.058	0.112
%RSD		12.430	32.550	502.800	40.970	22.980	24.760	72.570	88.200

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	-0.024	1.129	1.292	0.147	-0.522	0.568	0.000	0.043
2	17:48:00	-0.092	0.773	0.856	0.638	-0.941	-0.290	0.000	-0.007
3	17:48:42	-0.027	1.063	1.306	-0.303	-0.694	-1.280	0.000	-0.005
x		-0.047	0.989	1.151	0.161	-0.719	-0.334	0.000	0.010
σ		0.039	0.189	0.256	0.471	0.211	0.925	0.000	0.028
%RSD		81.330	19.160	22.210	293.100	29.280	276.700	0.000	275.100

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	79.455%	0.018	-0.005	80.532%	0.008	-0.002	-0.014	-0.113
2	17:48:00	80.896%	-0.106	-0.034	81.389%	0.017	-0.007	0.023	-0.054
3	17:48:42	80.769%	0.053	0.014	81.657%	0.003	0.003	0.108	0.047
x		80.373%	-0.012	-0.008	81.193%	0.009	-0.002	0.039	-0.040
σ		0.798%	0.083	0.024	0.588%	0.007	0.005	0.062	0.081
%RSD		0.993	707.900	293.600	0.724	78.420	251.400	159.900	201.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	83.733%	4.080	0.003	-0.007	-0.117	-0.035	86.909%	88.429%
2	17:48:00	84.717%	2.662	-0.003	-0.014	-0.066	-0.035	89.556%	90.427%
3	17:48:42	86.100%	3.328	0.007	-0.020	-0.117	-0.065	90.084%	91.443%
x		84.850%	3.357	0.002	-0.013	-0.100	-0.045	88.850%	90.100%
σ		1.189%	0.709	0.005	0.007	0.029	0.017	1.701%	1.533%
%RSD		1.402	21.130	211.400	49.510	29.280	38.650	1.915	1.702

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:19	0.034	0.031	0.013	0.012	0.014	94.012%
2	17:48:00	0.034	0.031	0.013	0.004	0.008	93.645%
3	17:48:42	0.021	0.045	-0.000	-0.007	0.008	92.860%
x		0.030	0.036	0.008	0.003	0.010	93.505%
σ		0.008	0.008	0.007	0.009	0.004	0.589%
%RSD		25.220	21.940	87.410	287.100	36.240	0.630

LCS 180-58541/2-A 12/29/2012 5:50:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	103.977%	51.310	1060.000	1022.000	0.000	48270.000	42920.000	43160.000
2	17:52:15	107.535%	51.100	1069.000	1023.000	0.000	47860.000	43230.000	47840.000
3	17:52:57	109.998%	55.340	1069.000	1027.000	0.000	47470.000	43250.000	43550.000
x		107.170%	52.580	1066.000	1024.000	0.000	47870.000	43130.000	44850.000
σ		3.027%	2.388	4.779	2.662	0.000	404.500	185.400	2595.000
%RSD		2.825	4.541	0.448	0.260	0.000	0.845	0.430	5.786

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	1850.000	9373.000	0.000	48640.000	49180.000	49420.000	84.266%	997.200
2	17:52:15	1865.000	9468.000	0.000	48290.000	50570.000	49700.000	86.272%	999.000
3	17:52:57	1856.000	9472.000	0.000	47940.000	49710.000	50080.000	87.273%	1008.000
x		1857.000	9437.000	0.000	48290.000	49820.000	49740.000	85.937%	1001.000
σ		7.470	56.140	0.000	349.000	701.800	334.700	1.532%	5.746
%RSD		0.402	0.595	0.000	0.723	1.409	0.673	1.782	0.574

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	481.900	201.200	500.800	825.900	1087.000	493.300	490.100	238.900
2	17:52:15	487.000	203.800	506.900	835.800	1099.000	499.800	494.600	240.700
3	17:52:57	492.000	204.000	509.700	840.500	1090.000	501.000	494.800	242.700
x		487.000	203.000	505.800	834.000	1092.000	498.000	493.200	240.800
σ		5.068	1.592	4.577	7.475	6.375	4.106	2.627	1.889
%RSD		1.041	0.784	0.905	0.896	0.584	0.825	0.533	0.785

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	240.600	482.000	496.000	38.510	8.944	7.230	0.000	1034.000
2	17:52:15	241.000	493.200	497.300	35.560	7.752	7.705	0.000	1048.000
3	17:52:57	242.900	496.800	496.500	36.310	10.170	9.399	0.000	1058.000
x		241.500	490.600	496.600	36.800	8.957	8.112	0.000	1047.000
σ		1.227	7.726	0.627	1.531	1.211	1.140	0.000	12.350
%RSD		0.508	1.575	0.126	4.160	13.520	14.060	0.000	1.180

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	79.017%	1063.000	1060.000	82.046%	48.070	47.750	47.950	40.890
2	17:52:15	81.376%	1078.000	1074.000	84.455%	49.350	48.450	47.370	38.600
3	17:52:57	81.616%	1082.000	1077.000	86.419%	47.670	47.450	47.820	38.970
x		80.670%	1074.000	1070.000	84.307%	48.360	47.880	47.710	39.480
σ		1.436%	10.210	9.119	2.190%	0.880	0.509	0.305	1.227
%RSD		1.780	0.950	0.852	2.598	1.820	1.062	0.639	3.108

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	88.299%	2093.000	490.400	487.700	1890.000	1873.000	96.352%	97.739%
2	17:52:15	91.460%	2092.000	493.600	493.000	1908.000	1898.000	99.614%	101.079%
3	17:52:57	92.743%	2082.000	495.600	495.400	1920.000	1894.000	101.272%	102.501%
x		90.834%	2089.000	493.200	492.000	1906.000	1889.000	99.080%	100.440%
σ		2.287%	5.919	2.626	3.955	15.520	13.360	2.503%	2.444%
%RSD		2.518	0.283	0.532	0.804	0.814	0.707	2.527	2.434

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:33	49.680	47.680	20.360	20.230	20.380	92.643%
2	17:52:15	50.120	48.210	20.770	20.360	20.610	96.771%
3	17:52:57	49.570	49.440	20.980	20.660	20.640	97.884%
x		49.790	48.450	20.700	20.420	20.540	95.766%
σ		0.293	0.903	0.315	0.221	0.145	2.762%
%RSD		0.589	1.863	1.523	1.081	0.708	2.884

LCSD 180-58541/3-A 12/29/2012 5:55:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	110.431%	51.890	1102.000	1036.000	0.000	47740.000	43040.000	43270.000
2	17:56:28	113.989%	53.670	1092.000	1029.000	0.000	46760.000	42580.000	42940.000
3	17:57:10	116.091%	51.700	1087.000	1029.000	0.000	46520.000	42680.000	46600.000
x		113.503%	52.420	1094.000	1031.000	0.000	47010.000	42760.000	44270.000
σ		2.861%	1.086	7.602	4.072	0.000	649.300	240.800	2027.000
%RSD		2.520	2.071	0.695	0.395	0.000	1.381	0.563	4.578

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	1855.000	9355.000	0.000	47690.000	49640.000	49340.000	88.630%	1002.000
2	17:56:28	1844.000	9264.000	0.000	46520.000	48960.000	48840.000	91.000%	979.100
3	17:57:10	1846.000	9295.000	0.000	46940.000	49640.000	49430.000	90.852%	982.500
x		1848.000	9305.000	0.000	47050.000	49410.000	49200.000	90.160%	987.900
σ		6.062	45.900	0.000	592.400	389.300	313.900	1.327%	12.320
%RSD		0.328	0.493	0.000	1.259	0.788	0.638	1.472	1.247

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	480.700	201.500	502.700	822.600	1085.000	498.200	486.600	239.500
2	17:56:28	479.300	200.400	503.700	818.900	1090.000	490.700	484.200	238.300
3	17:57:10	482.700	201.500	503.800	818.200	1105.000	491.100	484.000	236.800
x		480.900	201.200	503.400	819.900	1093.000	493.300	484.900	238.200
σ		1.705	0.645	0.602	2.367	10.300	4.237	1.438	1.366
%RSD		0.355	0.321	0.120	0.289	0.942	0.859	0.297	0.574

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	245.400	472.600	480.100	36.100	7.943	8.645	0.000	1024.000
2	17:56:28	236.000	475.100	483.200	33.650	9.718	10.290	0.000	1036.000
3	17:57:10	236.100	480.600	496.800	33.970	8.686	7.699	0.000	1029.000
x		239.200	476.100	486.700	34.570	8.782	8.879	0.000	1030.000
σ		5.383	4.116	8.847	1.334	0.892	1.312	0.000	6.260
%RSD		2.251	0.865	1.818	3.858	10.150	14.780	0.000	0.608

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	84.256%	1066.000	1061.000	85.310%	48.910	48.290	49.320	40.080
2	17:56:28	85.887%	1072.000	1078.000	87.507%	50.420	48.640	49.290	38.750
3	17:57:10	87.101%	1073.000	1059.000	88.107%	49.200	48.900	48.160	39.780
x		85.748%	1071.000	1066.000	86.975%	49.510	48.610	48.920	39.540
σ		1.428%	3.720	10.030	1.473%	0.804	0.307	0.661	0.698
%RSD		1.665	0.348	0.941	1.693	1.624	0.632	1.351	1.764

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	91.365%	2086.000	499.600	498.300	1945.000	1918.000	99.022%	101.630%
2	17:56:28	95.204%	2063.000	494.100	496.200	1931.000	1908.000	102.365%	105.043%
3	17:57:10	96.184%	2057.000	494.700	495.900	1916.000	1914.000	103.628%	105.689%
x		94.251%	2069.000	496.100	496.800	1931.000	1913.000	101.672%	104.121%
σ		2.547%	15.400	2.999	1.318	14.470	5.072	2.380%	2.181%
%RSD		2.702	0.745	0.604	0.265	0.749	0.265	2.341	2.094

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:55:47	51.420	50.260	21.130	20.860	20.940	95.794%
2	17:56:28	51.950	50.100	20.450	21.090	20.870	99.959%
3	17:57:10	51.120	50.420	20.970	20.960	21.020	101.246%
x		51.500	50.260	20.850	20.970	20.940	99.000%
σ		0.419	0.163	0.353	0.116	0.078	2.850%
%RSD		0.814	0.325	1.695	0.552	0.372	2.879

180-17111-A-22-B @10 12/29/2012 5:59:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	82.249%	7.227	2126.000	2072.000	0.000	15430.000	7084.000	7111.000
2	18:00:42	81.833%	7.910	2169.000	2100.000	0.000	15470.000	7144.000	7178.000
3	18:01:24	82.695%	6.869	2180.000	2085.000	0.000	15280.000	7089.000	7079.000
x		82.259%	7.335	2158.000	2086.000	0.000	15390.000	7106.000	7123.000
σ		0.431%	0.529	28.630	14.200	0.000	97.110	33.420	50.220
%RSD		0.524	7.213	1.326	0.681	0.000	0.631	0.470	0.705

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	7652.000	7105.000	0.000	14370.000	495200.000	568100.000	75.290%	3.711
2	18:00:42	7759.000	7167.000	0.000	14370.000	505100.000	572600.000	73.745%	2.097
3	18:01:24	7688.000	7144.000	0.000	14250.000	501800.000	569800.000	73.867%	2.023
x		7700.000	7139.000	0.000	14330.000	500700.000	570200.000	74.301%	2.610
σ		54.310	31.470	0.000	68.230	5036.000	2228.000	0.859%	0.954
%RSD		0.705	0.441	0.000	0.476	1.006	0.391	1.156	36.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	-0.002	9.339	222.200	592.300	1359.000	12.140	35.370	196.700
2	18:00:42	-0.428	9.184	227.400	601.100	1374.000	12.750	37.930	201.100
3	18:01:24	-0.065	9.485	225.600	599.800	1362.000	12.190	37.510	198.600
x		-0.165	9.336	225.100	597.700	1365.000	12.360	36.940	198.800
σ		0.230	0.150	2.615	4.777	7.856	0.339	1.373	2.183
%RSD		139.000	1.610	1.162	0.799	0.576	2.746	3.717	1.098

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	193.600	190.400	200.300	5.114	-1.469	15.550	0.000	4536.000
2	18:00:42	196.700	195.000	199.900	4.095	-1.980	15.370	0.000	4604.000
3	18:01:24	198.200	196.500	198.200	6.018	-0.769	18.570	0.000	4606.000
x		196.200	193.900	199.500	5.076	-1.406	16.500	0.000	4582.000
σ		2.358	3.157	1.090	0.962	0.608	1.799	0.000	39.490
%RSD		1.202	1.628	0.546	18.950	43.280	10.900	0.000	0.862

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	0.000	9.472	9.635	72.943%	0.158	0.157	13.590	12.550
2	18:00:42	0.000	8.527	7.814	72.967%	0.065	0.064	12.950	13.350
3	18:01:24	0.000	6.665	7.213	72.546%	0.035	0.053	13.900	14.040
x		0.000	8.221	8.221	72.819%	0.086	0.091	13.480	13.320
σ		0.000	1.428	1.261	0.236%	0.064	0.057	0.484	0.746
%RSD		0.000	17.370	15.340	0.324	74.640	62.520	3.588	5.599

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	79.146%	10.150	2.011	2.127	69.010	68.960	88.723%	91.361%
2	18:00:42	80.246%	7.105	1.635	1.618	65.780	67.290	89.295%	91.819%
3	18:01:24	79.038%	7.519	1.444	1.325	68.910	66.620	90.416%	91.736%
x		79.476%	8.259	1.697	1.690	67.900	67.630	89.478%	91.639%
σ		0.668%	1.654	0.288	0.406	1.835	1.203	0.861%	0.244%
%RSD		0.841	20.020	16.990	23.990	2.703	1.779	0.963	0.266

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:00	23.760	23.480	8.189	8.182	8.128	78.210%
2	18:00:42	23.600	23.950	8.397	7.736	7.954	80.481%
3	18:01:24	23.820	23.760	8.037	8.004	8.066	80.674%
x		23.720	23.730	8.208	7.974	8.050	79.788%
σ		0.111	0.238	0.181	0.225	0.088	1.370%
%RSD		0.469	1.002	2.201	2.819	1.097	1.717

180-17111-A-22-B SD@50 12/29/2012 6:03:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	78.543%	0.980	446.200	445.100	0.000	2739.000	1449.000	1461.000
2	18:04:57	79.822%	1.004	464.100	443.600	0.000	2745.000	1475.000	1446.000
3	18:05:38	79.851%	1.615	444.100	437.900	0.000	2696.000	1435.000	1434.000
x		79.405%	1.199	451.500	442.200	0.000	2727.000	1453.000	1447.000
σ		0.747%	0.360	10.990	3.803	0.000	26.720	20.180	13.260
%RSD		0.941	30.040	2.434	0.860	0.000	0.980	1.389	0.916

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	1497.000	1424.000	0.000	2475.000	99560.000	99010.000	74.727%	1.090
2	18:04:57	1483.000	1407.000	0.000	2476.000	99930.000	99730.000	74.062%	0.541
3	18:05:38	1497.000	1403.000	0.000	2457.000	98990.000	99930.000	74.399%	0.678
x		1492.000	1411.000	0.000	2469.000	99490.000	99560.000	74.396%	0.770
σ		8.300	11.420	0.000	10.830	474.500	483.300	0.332%	0.286
%RSD		0.556	0.809	0.000	0.439	0.477	0.486	0.447	37.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	0.194	2.051	43.990	128.600	309.700	2.635	8.030	42.010
2	18:04:57	0.147	2.023	45.330	125.000	290.300	2.690	7.196	41.160
3	18:05:38	-0.217	1.969	44.390	121.100	289.600	2.510	7.402	42.410
x		0.041	2.014	44.570	124.900	296.500	2.612	7.543	41.860
σ		0.225	0.042	0.686	3.780	11.400	0.093	0.435	0.638
%RSD		545.400	2.062	1.539	3.027	3.845	3.544	5.760	1.524

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	43.040	41.480	40.100	0.224	-1.258	1.204	0.000	794.500
2	18:04:57	41.750	40.770	41.030	0.524	-0.038	1.747	0.000	804.200
3	18:05:38	40.960	39.980	42.770	1.043	-1.033	3.265	0.000	802.600
x		41.920	40.740	41.300	0.597	-0.777	2.072	0.000	800.400
σ		1.053	0.748	1.357	0.415	0.649	1.068	0.000	5.222
%RSD		2.512	1.835	3.286	69.470	83.610	51.570	0.000	0.652

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	80.221%	1.855	1.823	75.349%	0.049	0.036	2.881	2.415
2	18:04:57	81.126%	1.299	1.805	76.340%	0.028	0.025	2.896	2.614
3	18:05:38	81.196%	1.606	1.344	76.742%	0.008	0.025	2.226	2.560
x		80.848%	1.587	1.658	76.144%	0.028	0.028	2.668	2.529
σ		0.544%	0.279	0.272	0.717%	0.020	0.006	0.382	0.103
%RSD		0.673	17.550	16.380	0.942	71.190	22.830	14.330	4.069

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	79.866%	3.655	0.462	0.670	14.460	14.350	85.712%	87.174%
2	18:04:57	81.074%	3.229	0.517	0.340	13.240	13.780	86.583%	87.950%
3	18:05:38	81.372%	2.504	0.334	0.299	14.020	14.120	87.463%	88.468%
x		80.771%	3.129	0.437	0.436	13.910	14.080	86.586%	87.864%
σ		0.798%	0.582	0.094	0.203	0.617	0.287	0.875%	0.651%
%RSD		0.988	18.610	21.480	46.610	4.437	2.036	1.011	0.741

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:15	5.269	5.241	1.576	1.749	1.631	81.697%
2	18:04:57	4.940	5.177	1.624	1.578	1.559	84.028%
3	18:05:38	5.189	4.973	1.503	1.610	1.499	85.583%
x		5.133	5.130	1.567	1.645	1.563	83.769%
σ		0.172	0.140	0.061	0.091	0.066	1.956%
%RSD		3.343	2.724	3.892	5.524	4.226	2.335

180-17111-A-25-B @10 12/29/2012 6:07:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	86.922%	0.004	1419.000	1373.000	0.000	15470.000	964.200	946.400
2	18:09:12	88.332%	-0.031	1427.000	1402.000	0.000	15520.000	976.400	977.300
3	18:09:53	90.363%	0.003	1424.000	1396.000	0.000	15310.000	958.800	959.000
x		88.539%	-0.008	1423.000	1391.000	0.000	15430.000	966.500	960.900
σ		1.730%	0.020	3.870	15.170	0.000	111.500	8.980	15.530
%RSD		1.954	259.200	0.272	1.091	0.000	0.723	0.929	1.616

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	193.300	104.300	0.000	14340.000	466900.000	542200.000	82.160%	0.481
2	18:09:12	200.900	105.700	0.000	14350.000	468800.000	538500.000	84.348%	0.712
3	18:09:53	193.200	105.500	0.000	14230.000	465000.000	535800.000	85.841%	0.396
x		195.800	105.200	0.000	14310.000	466900.000	538800.000	84.116%	0.530
σ		4.425	0.772	0.000	65.030	1900.000	3208.000	1.851%	0.164
%RSD		2.260	0.733	0.000	0.455	0.407	0.596	2.201	30.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	22.690	8.960	0.279	28.660	639.500	0.335	-0.014	0.462
2	18:09:12	22.610	9.158	0.485	32.690	639.200	0.380	-0.181	0.343
3	18:09:53	22.440	9.235	0.376	30.870	629.300	0.311	0.158	0.319
x		22.580	9.118	0.380	30.740	636.000	0.342	-0.012	0.375
σ		0.130	0.142	0.103	2.020	5.806	0.035	0.170	0.076
%RSD		0.577	1.556	27.120	6.573	0.913	10.160	1387.000	20.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	0.794	0.509	0.587	14.670	18.260	30.870	0.000	4061.000
2	18:09:12	0.991	0.959	0.982	15.190	14.320	32.880	0.000	4887.000
3	18:09:53	0.767	0.510	0.847	13.520	13.580	31.050	0.000	4138.000
x		0.851	0.659	0.805	14.460	15.390	31.600	0.000	4362.000
σ		0.123	0.259	0.201	0.854	2.517	1.109	0.000	455.900
%RSD		14.400	39.370	24.960	5.905	16.360	3.508	0.000	10.450

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	84.132%	325.600	329.400	80.691%	0.026	0.003	0.121	0.135
2	18:09:12	86.002%	337.100	340.600	83.598%	0.030	0.042	0.170	0.132
3	18:09:53	88.029%	334.400	341.600	84.788%	0.020	0.017	-0.105	-0.113
x		86.055%	332.300	337.200	83.026%	0.025	0.020	0.062	0.051
σ		1.949%	6.015	6.766	2.108%	0.005	0.020	0.147	0.142
%RSD		2.265	1.810	2.007	2.538	19.160	95.530	236.400	277.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	85.576%	3.466	2.115	2.327	199.600	202.100	92.976%	93.652%
2	18:09:12	87.619%	3.595	2.125	2.084	207.400	203.700	96.248%	97.690%
3	18:09:53	90.702%	4.119	2.285	2.020	199.600	201.500	97.469%	98.464%
x		87.966%	3.727	2.175	2.144	202.200	202.400	95.564%	96.602%
σ		2.581%	0.346	0.095	0.162	4.487	1.124	2.323%	2.584%
%RSD		2.934	9.283	4.373	7.571	2.219	0.555	2.431	2.675

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:30	1.457	1.400	0.028	0.025	0.017	89.503%
2	18:09:12	1.517	1.467	0.007	0.050	0.034	91.363%
3	18:09:53	1.422	1.395	0.007	0.009	0.023	92.056%
x		1.466	1.421	0.014	0.028	0.025	90.974%
σ		0.048	0.040	0.012	0.021	0.009	1.320%
%RSD		3.284	2.842	88.840	75.330	35.890	1.451

180-17111-A-26-B @10 12/29/2012 6:12:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	89.871%	-0.031	148.800	147.300	0.000	15210.000	19.940	19.200
2	18:13:26	91.825%	0.003	148.200	143.500	0.000	15200.000	19.070	19.920
3	18:14:08	92.848%	0.068	153.000	142.300	0.000	15130.000	22.700	20.650
x		91.515%	0.013	150.000	144.400	0.000	15180.000	20.570	19.920
σ		1.513%	0.050	2.576	2.599	0.000	40.790	1.893	0.725
%RSD		1.653	378.800	1.717	1.800	0.000	0.269	9.200	3.639

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	2.053	45.020	0.000	14380.000	295900.000	343800.000	88.811%	0.205
2	18:13:26	2.324	45.220	0.000	14390.000	298900.000	343600.000	89.773%	0.086
3	18:14:08	2.340	44.420	0.000	14420.000	298100.000	344800.000	90.269%	0.143
x		2.239	44.890	0.000	14400.000	297600.000	344100.000	89.618%	0.145
σ		0.161	0.414	0.000	21.750	1562.000	609.600	0.741%	0.059
%RSD		7.205	0.922	0.000	0.151	0.525	0.177	0.827	41.160

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.755	13.110	0.370	34.350	451.000	0.250	0.466	0.366
2	18:13:26	1.144	12.850	0.406	33.760	427.500	0.275	1.312	0.252
3	18:14:08	1.755	13.710	0.379	35.370	420.100	0.272	0.652	0.356
x		1.218	13.220	0.385	34.490	432.900	0.266	0.810	0.325
σ		0.504	0.443	0.019	0.811	16.170	0.014	0.445	0.063
%RSD		41.380	3.350	4.948	2.351	3.735	5.107	54.920	19.490

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.739	1.367	2.022	8.409	-0.941	18.300	0.000	3993.000
2	18:13:26	0.683	1.672	1.168	8.719	0.062	18.510	0.000	4707.000
3	18:14:08	0.467	1.528	2.353	8.130	-0.936	16.690	0.000	4690.000
x		0.630	1.522	1.848	8.419	-0.605	17.840	0.000	4463.000
σ		0.144	0.153	0.611	0.295	0.578	0.998	0.000	407.300
%RSD		22.790	10.040	33.090	3.504	95.460	5.595	0.000	9.125

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	89.604%	291.500	291.000	87.293%	0.007	0.021	0.131	0.050
2	18:13:26	91.960%	294.800	297.300	89.694%	0.027	0.016	0.417	0.233
3	18:14:08	93.060%	291.600	297.000	90.941%	0.031	0.002	0.163	0.050
x		91.541%	292.700	295.100	89.309%	0.022	0.013	0.237	0.111
σ		1.766%	1.889	3.577	1.854%	0.013	0.010	0.157	0.106
%RSD		1.929	0.645	1.212	2.076	61.010	76.110	66.090	95.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	91.566%	3.493	0.129	0.151	267.500	270.400	96.314%	97.234%
2	18:13:26	93.750%	2.987	0.125	0.106	270.600	268.500	100.421%	99.879%
3	18:14:08	95.221%	3.689	0.088	0.160	264.100	273.500	100.943%	102.170%
x		93.512%	3.390	0.114	0.139	267.400	270.800	99.226%	99.761%
σ		1.839%	0.362	0.023	0.029	3.284	2.497	2.536%	2.470%
%RSD		1.967	10.680	19.990	21.100	1.228	0.922	2.555	2.476

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:44	0.565	0.463	2.568	2.531	2.635	91.694%
2	18:13:26	0.458	0.448	2.661	2.578	2.538	94.549%
3	18:14:08	0.469	0.413	2.605	2.536	2.618	95.931%
x		0.497	0.441	2.611	2.548	2.597	94.058%
σ		0.059	0.026	0.047	0.026	0.052	2.161%
%RSD		11.810	5.818	1.787	1.018	2.007	2.297

180-17111-A-27-B @10 12/29/2012 6:16:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	77.413%	12.530	2277.000	2209.000	0.000	15130.000	8249.000	8252.000
2	18:17:42	77.640%	10.930	2301.000	2216.000	0.000	15030.000	8300.000	8269.000
3	18:18:23	77.062%	11.380	2307.000	2247.000	0.000	15080.000	8384.000	8375.000
x		77.372%	11.610	2295.000	2224.000	0.000	15080.000	8311.000	8298.000
σ		0.291%	0.826	15.850	20.500	0.000	52.380	67.750	66.460
%RSD		0.377	7.109	0.691	0.922	0.000	0.347	0.815	0.801

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	17420.000	10380.000	0.000	14290.000	541900.000	622400.000	71.822%	4.694
2	18:17:42	17300.000	10880.000	0.000	14190.000	540000.000	616800.000	71.034%	4.385
3	18:18:23	17330.000	11530.000	0.000	14330.000	548200.000	621300.000	70.110%	5.683
x		17350.000	10930.000	0.000	14270.000	543400.000	620200.000	70.989%	4.921
σ		64.730	577.000	0.000	68.150	4311.000	2979.000	0.857%	0.678
%RSD		0.373	5.280	0.000	0.478	0.793	0.480	1.207	13.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	-0.531	205.200	239.100	4768.000	6268.000	12.600	35.560	222.700
2	18:17:42	1.465	206.500	240.000	4775.000	6221.000	12.540	36.580	224.000
3	18:18:23	1.108	207.900	241.700	4825.000	6274.000	12.370	36.820	223.600
x		0.681	206.500	240.300	4790.000	6254.000	12.500	36.320	223.500
σ		1.064	1.375	1.365	31.080	29.250	0.117	0.668	0.680
%RSD		156.300	0.666	0.568	0.649	0.468	0.937	1.839	0.304

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	219.700	193.800	192.800	4.635	-1.771	9.108	0.000	3314.000
2	18:17:42	218.700	194.300	193.100	5.468	-2.076	10.960	0.000	3343.000
3	18:18:23	221.800	198.100	198.200	6.457	-0.995	12.820	0.000	3338.000
x		220.000	195.400	194.700	5.520	-1.614	10.960	0.000	3332.000
σ		1.549	2.320	3.028	0.912	0.557	1.858	0.000	15.460
%RSD		0.704	1.187	1.555	16.520	34.530	16.940	0.000	0.464

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	101.180%	7.449	7.737	69.867%	0.004	-0.007	15.960	13.800
2	18:17:42	100.623%	6.646	7.307	69.844%	0.009	0.004	13.790	14.160
3	18:18:23	100.969%	6.523	7.048	70.297%	-0.001	0.016	14.050	13.510
x		100.924%	6.872	7.364	70.003%	0.004	0.004	14.600	13.820
σ		0.281%	0.503	0.348	0.255%	0.005	0.011	1.186	0.327
%RSD		0.279	7.315	4.726	0.364	127.700	262.000	8.125	2.365

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	76.674%	2.879	2.241	2.366	69.140	65.540	87.115%	89.550%
2	18:17:42	77.983%	3.054	2.399	2.247	67.840	68.390	87.728%	90.086%
3	18:18:23	77.891%	2.640	2.330	2.378	66.400	67.870	88.134%	89.879%
x		77.516%	2.858	2.324	2.330	67.790	67.270	87.659%	89.838%
σ		0.731%	0.208	0.079	0.072	1.369	1.517	0.513%	0.270%
%RSD		0.943	7.270	3.400	3.106	2.019	2.255	0.585	0.301

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:00	22.680	21.920	25.630	24.730	24.880	81.148%
2	18:17:42	23.190	22.770	25.440	25.280	25.050	82.287%
3	18:18:23	23.430	23.260	25.460	25.080	24.990	82.825%
x		23.100	22.650	25.510	25.030	24.970	82.087%
σ		0.383	0.676	0.106	0.279	0.087	0.856%
%RSD		1.657	2.984	0.416	1.113	0.347	1.043

180-17111-A-29-B @10 12/29/2012 6:20:34 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	82.348%	-0.031	1726.000	1694.000	0.000	14980.000	6994.000	7029.000
2	18:21:57	85.776%	0.076	1717.000	1688.000	0.000	14790.000	7034.000	7036.000
3	18:22:39	86.956%	-0.031	1728.000	1677.000	0.000	14850.000	7107.000	7055.000
x		85.027%	0.005	1723.000	1686.000	0.000	14870.000	7045.000	7040.000
σ		2.393%	0.062	5.978	8.481	0.000	96.020	57.390	13.590
%RSD		2.815	1239.000	0.347	0.503	0.000	0.646	0.815	0.193

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	37.290	660.200	0.000	13870.000	514500.000	598700.000	78.104%	0.112
2	18:21:57	28.210	561.700	0.000	13860.000	521400.000	598200.000	80.272%	0.429
3	18:22:39	26.360	500.000	0.000	13930.000	524200.000	598500.000	81.354%	0.040
x		30.620	574.000	0.000	13880.000	520000.000	598500.000	79.910%	0.194
σ		5.850	80.820	0.000	38.580	4989.000	267.500	1.655%	0.207
%RSD		19.110	14.080	0.000	0.278	0.959	0.045	2.071	106.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	3.206	3.427	82.520	45.090	764.800	2.834	10.780	0.613
2	18:21:57	3.207	3.305	82.740	37.800	720.900	2.815	10.890	0.694
3	18:22:39	1.587	3.296	82.640	36.720	724.500	2.927	10.760	0.526
x		2.667	3.343	82.630	39.870	736.800	2.859	10.810	0.611
σ		0.935	0.073	0.113	4.555	24.390	0.060	0.070	0.084
%RSD		35.060	2.189	0.137	11.430	3.310	2.104	0.647	13.780

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	1.596	2.459	2.427	7.874	1.683	17.610	0.000	4069.000
2	18:21:57	0.751	2.341	2.747	10.500	4.338	20.530	0.000	4081.000
3	18:22:39	0.902	1.972	2.442	9.382	3.371	20.100	0.000	4080.000
x		1.083	2.257	2.539	9.251	3.131	19.410	0.000	4077.000
σ		0.451	0.254	0.181	1.317	1.344	1.577	0.000	7.084
%RSD		41.610	11.270	7.113	14.240	42.920	8.125	0.000	0.174

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	79.818%	283.300	286.400	76.469%	0.008	0.004	1.904	1.988
2	18:21:57	82.961%	284.900	288.200	80.192%	0.008	0.003	2.298	1.560
3	18:22:39	84.550%	285.700	290.800	81.340%	-0.002	-0.007	2.073	2.142
x		82.443%	284.700	288.500	79.334%	0.005	-0.000	2.092	1.897
σ		2.408%	1.200	2.186	2.546%	0.006	0.006	0.198	0.301
%RSD		2.921	0.422	0.758	3.210	120.900	5510.000	9.444	15.890

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	81.369%	3.656	5.850	5.751	92.430	92.080	87.953%	90.174%
2	18:21:57	85.751%	4.009	5.748	5.672	90.640	91.530	91.860%	93.697%
3	18:22:39	86.930%	3.893	6.361	5.681	93.230	92.990	93.141%	95.122%
x		84.683%	3.853	5.986	5.701	92.100	92.200	90.985%	92.998%
σ		2.930%	0.180	0.329	0.043	1.323	0.738	2.703%	2.547%
%RSD		3.460	4.671	5.487	0.760	1.436	0.801	2.970	2.739

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:16	5.704	5.675	0.061	0.070	0.073	83.388%
2	18:21:57	5.637	5.449	0.030	0.106	0.066	86.557%
3	18:22:39	5.540	5.575	0.074	0.081	0.079	87.740%
x		5.627	5.566	0.055	0.086	0.073	85.895%
σ		0.083	0.114	0.023	0.019	0.006	2.250%
%RSD		1.471	2.039	41.420	21.750	8.712	2.620

180-17111-A-30-B @10 12/29/2012 6:24:50 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	87.590%	0.039	1510.000	1483.000	0.000	15470.000	2242.000	2237.000
2	18:26:13	89.833%	0.003	1517.000	1457.000	0.000	15390.000	2245.000	2245.000
3	18:26:55	91.284%	0.003	1485.000	1459.000	0.000	15310.000	2241.000	2229.000
x		89.569%	0.015	1504.000	1466.000	0.000	15390.000	2243.000	2237.000
σ		1.861%	0.021	16.780	14.100	0.000	83.430	1.890	7.705
%RSD		2.078	137.700	1.116	0.962	0.000	0.542	0.084	0.344

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	199.300	164.700	0.000	14580.000	516600.000	605200.000	84.069%	0.036
2	18:26:13	197.600	155.000	0.000	14510.000	517200.000	601100.000	85.070%	0.096
3	18:26:55	198.800	146.100	0.000	14500.000	523300.000	603300.000	85.439%	0.034
x		198.600	155.200	0.000	14530.000	519000.000	603200.000	84.859%	0.055
σ		0.877	9.334	0.000	44.040	3684.000	2030.000	0.709%	0.035
%RSD		0.442	6.013	0.000	0.303	0.710	0.337	0.835	63.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	22.170	7.748	0.124	31.600	708.400	0.218	0.535	0.354
2	18:26:13	22.660	7.459	0.175	30.350	673.500	0.123	0.042	0.265
3	18:26:55	21.180	7.993	0.154	29.380	696.400	0.221	0.322	0.232
x		22.010	7.733	0.151	30.440	692.700	0.187	0.300	0.284
σ		0.755	0.267	0.026	1.111	17.740	0.056	0.247	0.063
%RSD		3.432	3.458	16.930	3.650	2.561	29.670	82.560	22.280

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	0.667	0.170	0.476	15.500	11.340	33.410	0.000	5046.000
2	18:26:13	0.652	0.425	0.638	14.670	14.400	30.280	0.000	4976.000
3	18:26:55	0.785	0.354	0.105	13.600	12.710	32.970	0.000	4979.000
x		0.701	0.316	0.406	14.590	12.810	32.220	0.000	5000.000
σ		0.073	0.132	0.274	0.955	1.533	1.694	0.000	39.240
%RSD		10.400	41.640	67.350	6.545	11.960	5.257	0.000	0.785

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	86.106%	328.200	332.400	82.619%	-0.002	0.018	0.172	0.162
2	18:26:13	88.098%	333.700	335.100	84.647%	0.016	-0.002	0.108	0.175
3	18:26:55	88.807%	332.000	335.900	85.451%	-0.002	0.002	0.321	0.086
x		87.670%	331.300	334.500	84.239%	0.004	0.006	0.200	0.141
σ		1.400%	2.814	1.849	1.459%	0.010	0.010	0.109	0.048
%RSD		1.597	0.850	0.553	1.732	259.800	173.700	54.610	34.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	87.127%	2.768	2.674	2.724	205.100	204.400	94.665%	95.561%
2	18:26:13	89.275%	3.104	2.625	2.721	204.200	210.800	96.495%	98.168%
3	18:26:55	91.292%	2.540	2.524	2.386	202.000	205.200	97.776%	99.944%
x		89.231%	2.804	2.608	2.610	203.800	206.800	96.312%	97.891%
σ		2.083%	0.283	0.077	0.194	1.557	3.501	1.563%	2.205%
%RSD		2.334	10.100	2.944	7.440	0.764	1.693	1.623	2.252

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:32	1.537	1.562	0.011	0.002	0.016	89.274%
2	18:26:13	1.643	1.527	0.007	-0.002	0.012	91.086%
3	18:26:55	1.513	1.529	0.026	0.005	0.017	91.901%
x		1.564	1.539	0.015	0.001	0.015	90.754%
σ		0.069	0.020	0.010	0.004	0.003	1.345%
%RSD		4.414	1.268	69.450	260.600	17.170	1.482

CCV 664806 12/29/2012 6:32:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	73.778%	106.000	118.600	120.600	0.000	51620.000	45160.000	45640.000
2	18:34:02	75.638%	104.800	111.600	116.200	0.000	51310.000	45600.000	46000.000
3	18:34:44	78.954%	105.200	125.200	109.900	0.000	50190.000	44880.000	45350.000
x		76.124%	105.332%	118.449%	115.561%	0.000	102.078%	90.425%	91.328%
σ		2.622%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.444	0.620	5.708	4.640	0.000	1.476	0.793	0.717

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	507.500	5287.000	0.000	53740.000	53690.000	53460.000	66.298%	108.100
2	18:34:02	506.600	5322.000	0.000	53420.000	54010.000	53940.000	68.030%	113.800
3	18:34:44	504.700	5238.000	0.000	53060.000	54990.000	54130.000	69.280%	114.000
x		101.250%	105.647%	0.000	106.813%	108.467%	107.689%	67.869%	111.969%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.497%	n/a
%RSD		0.286	0.801	0.000	0.641	1.248	0.639	2.206	2.968

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	107.100	107.700	531.800	26780.000	26440.000	105.300	105.900	106.000
2	18:34:02	108.300	109.400	537.300	26570.000	26880.000	107.400	109.100	107.200
3	18:34:44	107.100	109.300	537.700	26290.000	26920.000	107.100	108.000	105.800
x		107.468%	108.792%	107.119%	106.180%	106.987%	106.597%	107.645%	106.328%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.646	0.843	0.613	0.927	1.001	1.095	1.502	0.721

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	101.400	102.400	105.800	97.500	97.230	95.730	0.000	93.950
2	18:34:02	106.600	106.700	110.600	101.000	98.560	98.230	0.000	95.450
3	18:34:44	106.000	110.800	109.200	103.800	103.000	101.700	0.000	96.110
x		104.662%	106.647%	108.516%	100.772%	99.610%	98.553%	0.000	95.172%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.689	3.915	2.306	3.130	3.057	3.043	0.000	1.165

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	79.768%	97.640	99.840	74.594%	98.590	97.050	100.300	96.980
2	18:34:02	81.420%	99.600	102.200	77.582%	100.000	99.690	99.700	99.710
3	18:34:44	83.445%	100.600	103.100	79.548%	98.680	99.840	99.850	98.500
x		81.544%	99.283%	101.711%	77.241%	99.096%	98.857%	99.936%	98.394%
σ		1.841%	n/a	n/a	2.494%	n/a	n/a	n/a	n/a
%RSD		2.258	1.521	1.656	3.229	0.807	1.588	0.294	1.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	79.706%	98.420	97.630	98.440	99.890	96.330	83.366%	85.364%
2	18:34:02	82.075%	98.370	100.800	99.970	97.050	96.670	87.717%	88.873%
3	18:34:44	83.893%	99.660	100.400	99.660	96.380	98.590	89.282%	91.135%
x		81.892%	98.815%	99.616%	99.358%	97.776%	97.197%	86.788%	88.457%
σ		2.099%	n/a	n/a	n/a	n/a	n/a	3.065%	2.908%
%RSD		2.564	0.742	1.739	0.816	1.906	1.256	3.532	3.287

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:20	99.950	98.860	100.900	99.340	100.300	83.503%
2	18:34:02	102.900	101.400	102.700	101.900	102.400	86.728%
3	18:34:44	101.900	100.600	102.000	101.900	101.800	89.260%
x		101.568%	100.294%	101.862%	101.054%	101.492%	86.497%
σ		n/a	n/a	n/a	n/a	n/a	2.886%
%RSD		1.470	1.311	0.863	1.468	1.055	3.336

CCB3 12/29/2012 6:40:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	87.511%	0.004	7.296	9.382	0.000	-40.240	4.158	5.667
2	18:41:52	88.874%	0.004	10.030	8.010	0.000	-36.840	6.283	6.323
3	18:42:34	88.482%	-0.031	10.200	8.464	0.000	-31.350	6.463	8.168
x		88.289%	-0.008	9.175	8.618	0.000	-36.140	5.635	6.720
σ		0.701%	0.020	1.630	0.699	0.000	4.486	1.282	1.297
%RSD		0.794	262.400	17.760	8.111	0.000	12.410	22.750	19.300

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	-3.673	23.100	0.000	-1.985	39.440	8.218	84.750%	-0.026
2	18:41:52	-3.963	21.280	0.000	-0.964	23.240	15.900	85.697%	0.156
3	18:42:34	-3.662	20.340	0.000	2.116	7.548	22.930	85.487%	-0.026
x		-3.766	21.580	0.000	-0.278	23.410	15.680	85.311%	0.034
σ		0.170	1.401	0.000	2.135	15.950	7.357	0.497%	0.105
%RSD		4.524	6.492	0.000	767.900	68.120	46.920	0.583	304.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.027	0.019	0.056	9.855	15.390	0.006	0.072	-0.002
2	18:41:52	-0.009	0.003	0.040	7.094	11.210	0.002	0.091	0.173
3	18:42:34	0.038	0.063	0.126	5.834	13.980	0.010	0.153	0.053
x		0.019	0.028	0.074	7.594	13.520	0.006	0.106	0.075
σ		0.024	0.031	0.046	2.057	2.125	0.004	0.042	0.089
%RSD		131.300	110.700	61.830	27.080	15.720	62.880	39.910	119.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.066	0.512	0.540	-0.309	-0.404	-1.259	0.000	0.052
2	18:41:52	-0.020	0.409	0.429	-0.552	-0.921	-1.395	0.000	0.106
3	18:42:34	0.021	0.569	0.232	0.063	0.256	0.129	0.000	0.148
x		0.022	0.497	0.400	-0.266	-0.357	-0.841	0.000	0.102
σ		0.043	0.081	0.156	0.310	0.590	0.843	0.000	0.048
%RSD		193.300	16.340	39.000	116.500	165.400	100.200	0.000	47.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	80.819%	0.222	0.364	82.659%	-0.002	0.008	0.116	0.133
2	18:41:52	81.786%	0.308	0.256	83.219%	0.012	0.013	-0.015	-0.047
3	18:42:34	82.042%	0.188	0.197	83.861%	0.025	0.018	-0.110	-0.123
x		81.549%	0.239	0.272	83.246%	0.012	0.013	-0.003	-0.012
σ		0.645%	0.062	0.085	0.602%	0.014	0.005	0.113	0.132
%RSD		0.791	25.850	31.240	0.723	115.400	37.480	3815.000	1092.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	84.319%	0.704	0.028	0.032	-0.091	0.027	84.724%	87.048%
2	18:41:52	85.086%	0.897	0.032	0.012	-0.092	0.040	87.712%	88.443%
3	18:42:34	85.750%	0.678	0.017	-0.001	-0.015	0.010	87.594%	89.546%
x		85.052%	0.760	0.026	0.014	-0.066	0.026	86.677%	88.346%
σ		0.716%	0.120	0.008	0.017	0.044	0.015	1.692%	1.252%
%RSD		0.842	15.780	30.550	115.800	66.660	59.260	1.952	1.417

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:10	0.138	0.091	0.028	0.025	0.031	89.586%
2	18:41:52	0.127	0.101	0.014	0.013	0.020	91.033%
3	18:42:34	0.085	0.087	0.010	0.032	0.034	91.134%
x		0.117	0.093	0.018	0.023	0.028	90.584%
σ		0.028	0.007	0.009	0.010	0.008	0.866%
%RSD		23.710	7.514	53.640	41.280	26.900	0.956

180-17111-A-31-B @10 12/29/2012 6:44:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	85.735%	-0.031	134.600	130.600	0.000	15610.000	1.341	2.016
2	18:46:10	89.886%	0.139	133.800	132.600	0.000	15150.000	1.656	1.429
3	18:46:51	90.951%	0.003	134.700	131.700	0.000	15170.000	1.385	1.445
x		88.857%	0.037	134.400	131.700	0.000	15310.000	1.461	1.630
σ		2.756%	0.090	0.535	1.013	0.000	261.800	0.170	0.335
%RSD		3.102	242.300	0.399	0.769	0.000	1.709	11.660	20.540
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	-1.668	49.230	0.000	15020.000	303900.000	358300.000	82.262%	0.039
2	18:46:10	-1.808	46.290	0.000	14690.000	299900.000	349200.000	86.364%	-0.087
3	18:46:51	-1.433	47.440	0.000	14730.000	302400.000	348900.000	87.399%	0.031
x		-1.636	47.650	0.000	14810.000	302100.000	352100.000	85.342%	-0.006
σ		0.189	1.482	0.000	177.400	2011.000	5343.000	2.717%	0.071
%RSD		11.560	3.110	0.000	1.197	0.666	1.517	3.184	1232.000
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	-0.517	13.190	-0.024	27.000	427.400	0.117	0.411	0.236
2	18:46:10	-1.140	12.720	-0.039	26.400	394.000	0.099	0.553	0.219
3	18:46:51	-1.242	13.030	-0.014	27.020	408.700	0.152	0.178	0.200
x		-0.966	12.980	-0.026	26.810	410.000	0.123	0.381	0.219
σ		0.393	0.239	0.012	0.353	16.770	0.027	0.190	0.018
%RSD		40.640	1.843	46.930	1.315	4.089	22.250	49.820	8.227
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	0.538	1.075	1.284	5.320	-0.642	18.730	0.000	4061.000
2	18:46:10	0.543	0.724	1.749	4.149	0.448	15.650	0.000	4889.000
3	18:46:51	0.257	0.834	1.574	4.847	0.361	15.400	0.000	4814.000
x		0.446	0.877	1.536	4.772	0.055	16.590	0.000	4588.000
σ		0.164	0.180	0.234	0.590	0.606	1.854	0.000	458.300
%RSD		36.710	20.490	15.260	12.350	1092.000	11.180	0.000	9.989
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	85.332%	281.800	285.700	82.838%	0.016	0.013	0.473	-0.001
2	18:46:10	88.528%	287.600	292.600	86.272%	0.011	0.012	0.319	0.225
3	18:46:51	90.462%	288.500	287.700	88.135%	0.011	-0.002	0.265	0.165
x		88.108%	286.000	288.700	85.749%	0.013	0.007	0.352	0.130
σ		2.591%	3.648	3.538	2.687%	0.003	0.008	0.108	0.117
%RSD		2.940	1.276	1.225	3.134	24.730	114.500	30.580	90.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:28	87.525%	3.927	0.011	-0.008	264.200	268.100	93.588%	94.008%
2	18:46:10	90.460%	3.208	0.024	0.021	270.900	275.100	96.640%	97.953%
3	18:46:51	92.578%	3.418	0.014	0.008	273.800	266.800	97.787%	100.367%
x		90.187%	3.518	0.016	0.007	269.600	270.000	96.005%	97.443%
σ		2.537%	0.370	0.007	0.015	4.928	4.469	2.170%	3.210%
%RSD		2.813	10.510	41.620	205.800	1.828	1.655	2.261	3.294
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:45:28	0.334	0.294	2.358	2.257	2.240	94.023%		
2	18:46:10	0.338	0.322	2.395	2.268	2.316	94.772%		
3	18:46:51	0.299	0.302	2.223	2.187	2.286	96.988%		
x		0.324	0.306	2.325	2.237	2.281	95.261%		
σ		0.022	0.014	0.090	0.044	0.038	1.542%		
%RSD		6.677	4.623	3.885	1.960	1.665	1.618		

180-17111-A-33-B @10 12/29/2012 6:49:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	81.498%	-0.031	7.802	7.596	0.000	-31.720	-1.414	-0.296
2	18:50:26	81.969%	-0.031	8.585	7.253	0.000	-35.470	-1.899	-1.483
3	18:51:08	81.393%	-0.031	7.164	7.136	0.000	-33.390	-2.302	-1.827
x		81.620%	-0.031	7.850	7.328	0.000	-33.520	-1.872	-1.202
σ		0.307%	0.000	0.712	0.239	0.000	1.882	0.444	0.803
%RSD		0.376	0.000	9.066	3.264	0.000	5.613	23.740	66.820

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	-4.504	36.560	0.000	8.065	108.200	94.890	76.646%	0.116
2	18:50:26	-4.846	34.950	0.000	4.634	44.560	66.800	75.433%	-0.087
3	18:51:08	-4.822	34.510	0.000	8.549	93.810	66.780	74.043%	-0.017
x		-4.724	35.340	0.000	7.083	82.200	76.160	75.374%	0.004
σ		0.191	1.079	0.000	2.135	33.390	16.220	1.302%	0.103
%RSD		4.041	3.054	0.000	30.140	40.610	21.300	1.728	2800.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	-0.567	0.324	-0.041	8.007	4.111	-0.012	0.126	0.035
2	18:50:26	-1.675	0.323	-0.034	5.867	2.971	-0.007	0.061	0.075
3	18:51:08	-0.630	0.262	-0.049	4.611	2.974	-0.033	0.040	0.015
x		-0.957	0.303	-0.042	6.162	3.352	-0.017	0.075	0.042
σ		0.623	0.035	0.008	1.717	0.657	0.014	0.045	0.030
%RSD		65.030	11.690	18.370	27.860	19.600	80.350	59.160	72.680

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	0.467	0.206	0.141	0.581	-0.877	0.867	0.000	0.859
2	18:50:26	0.118	0.418	0.402	-1.861	-1.456	-1.955	0.000	0.693
3	18:51:08	0.056	0.151	0.341	0.968	-1.040	1.127	0.000	0.599
x		0.214	0.258	0.295	-0.104	-1.124	0.013	0.000	0.717
σ		0.222	0.141	0.137	1.534	0.298	1.709	0.000	0.132
%RSD		103.700	54.630	46.410	1477.000	26.540	13050.000	0.000	18.360

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	79.244%	2.301	2.247	79.932%	0.008	0.008	-0.110	-0.056
2	18:50:26	77.883%	1.313	1.205	78.938%	0.003	0.009	0.026	-0.003
3	18:51:08	77.194%	0.983	0.806	78.110%	0.003	0.003	0.033	-0.033
x		78.107%	1.532	1.419	78.993%	0.005	0.007	-0.017	-0.031
σ		1.043%	0.686	0.744	0.912%	0.003	0.003	0.080	0.027
%RSD		1.336	44.750	52.430	1.155	56.050	42.540	476.900	87.170

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	81.801%	3.138	0.003	0.033	0.041	0.120	86.698%	86.487%
2	18:50:26	81.046%	2.853	0.024	0.014	-0.037	-0.034	85.452%	86.319%
3	18:51:08	80.944%	2.502	-0.012	-0.013	-0.117	-0.018	85.628%	85.841%
x		81.264%	2.831	0.005	0.012	-0.038	0.023	85.926%	86.216%
σ		0.468%	0.318	0.018	0.023	0.079	0.085	0.675%	0.335%
%RSD		0.576	11.240	360.500	199.300	207.600	374.900	0.785	0.389

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:45	0.069	0.082	0.015	0.002	0.012	87.913%
2	18:50:26	0.061	0.073	-0.002	0.007	0.014	87.105%
3	18:51:08	0.036	0.055	0.002	0.015	0.010	86.876%
x		0.056	0.070	0.005	0.008	0.012	87.298%
σ		0.018	0.014	0.009	0.006	0.002	0.545%
%RSD		31.570	19.700	179.000	79.110	14.510	0.624

MB 180-58201/1-A 12/29/2012 6:56:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	79.506%	-0.031	5.006	4.577	0.000	-33.970	-2.017	-1.501
2	18:58:14	81.043%	-0.031	3.241	4.609	0.000	-31.170	-1.608	-0.750
3	18:58:56	79.130%	-0.031	4.879	4.087	0.000	-21.510	0.643	0.416
x		79.893%	-0.031	4.375	4.425	0.000	-28.880	-0.994	-0.612
σ		1.013%	0.000	0.984	0.293	0.000	6.536	1.433	0.966
%RSD		1.269	0.000	22.500	6.613	0.000	22.630	144.100	157.900

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-5.052	15.010	0.000	3.143	9.844	-2.434	69.841%	-0.013
2	18:58:14	-4.810	12.570	0.000	3.058	9.616	3.489	71.105%	0.132
3	18:58:56	-4.237	14.140	0.000	4.052	9.625	17.540	71.131%	-0.087
x		-4.700	13.900	0.000	3.418	9.695	6.198	70.692%	0.010
σ		0.418	1.234	0.000	0.551	0.129	10.260	0.737%	0.111
%RSD		8.903	8.877	0.000	16.110	1.332	165.500	1.043	1071.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-0.944	0.217	-0.050	2.404	3.876	-0.023	0.071	0.065
2	18:58:14	-0.449	0.163	-0.020	2.024	2.317	-0.014	0.093	0.069
3	18:58:56	-0.819	0.120	0.037	2.760	4.466	-0.019	0.045	-0.059
x		-0.737	0.167	-0.011	2.396	3.553	-0.019	0.069	0.025
σ		0.258	0.049	0.044	0.368	1.110	0.004	0.024	0.073
%RSD		34.970	29.260	398.300	15.350	31.260	23.650	34.830	293.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	-0.020	-0.160	-0.033	0.739	0.265	2.618	0.000	-0.025
2	18:58:14	0.096	-0.138	0.037	-0.610	-1.010	-1.689	0.000	0.058
3	18:58:56	-0.001	-0.006	0.036	-1.160	-1.292	-2.520	0.000	0.212
x		0.025	-0.101	0.013	-0.344	-0.679	-0.530	0.000	0.082
σ		0.062	0.083	0.040	0.977	0.830	2.758	0.000	0.120
%RSD		245.200	82.150	301.200	284.200	122.200	520.500	0.000	146.600

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	72.100%	0.054	0.090	72.358%	-0.001	0.004	-0.105	-0.180
2	18:58:14	72.959%	0.004	0.057	73.808%	-0.006	-0.007	0.101	0.084
3	18:58:56	73.363%	0.149	0.011	74.053%	0.004	-0.001	0.027	-0.066
x		72.807%	0.069	0.053	73.407%	-0.001	-0.001	0.007	-0.054
σ		0.645%	0.073	0.040	0.916%	0.005	0.006	0.104	0.132
%RSD		0.886	106.400	75.540	1.248	393.800	406.300	1392.000	244.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	75.700%	2.846	-0.000	-0.026	-0.117	-0.032	79.406%	80.399%
2	18:58:14	77.352%	2.665	-0.006	0.009	-0.034	-0.016	81.527%	82.491%
3	18:58:56	76.742%	3.159	0.010	-0.012	-0.089	0.049	82.301%	83.231%
x		76.598%	2.890	0.001	-0.009	-0.080	0.001	81.078%	82.041%
σ		0.835%	0.250	0.008	0.018	0.043	0.043	1.499%	1.469%
%RSD		1.090	8.655	668.100	188.800	53.220	7732.000	1.848	1.790

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:32	0.041	0.038	-0.012	-0.009	-0.003	83.723%
2	18:58:14	0.038	0.051	0.010	-0.013	0.002	83.982%
3	18:58:56	0.017	0.034	0.010	-0.000	0.002	83.232%
x		0.032	0.041	0.003	-0.007	0.000	83.646%
σ		0.013	0.009	0.013	0.006	0.003	0.381%
%RSD		40.470	22.450	447.600	88.580	884.400	0.455

LCS 180-58201/2-A 12/29/2012 7:01:06 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	102.282%	50.120	998.400	940.300	0.000	44730.000	39320.000	39620.000
2	19:02:29	107.945%	50.170	997.300	950.500	0.000	44110.000	39540.000	39830.000
3	19:03:10	114.605%	48.910	983.900	915.300	0.000	42900.000	38990.000	39500.000
x		108.277%	49.730	993.200	935.400	0.000	43910.000	39290.000	39650.000
σ		6.168%	0.716	8.094	18.140	0.000	929.600	277.400	164.600
%RSD		5.696	1.439	0.815	1.939	0.000	2.117	0.706	0.415

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	1693.000	8761.000	0.000	46410.000	47660.000	47060.000	76.645%	943.700
2	19:02:29	1699.000	8772.000	0.000	45720.000	46830.000	47190.000	80.479%	940.000
3	19:03:10	1675.000	8620.000	0.000	45180.000	46700.000	47100.000	81.955%	933.200
x		1689.000	8718.000	0.000	45770.000	47060.000	47120.000	79.693%	938.900
σ		12.440	84.760	0.000	620.400	521.400	65.490	2.741%	5.336
%RSD		0.736	0.972	0.000	1.355	1.108	0.139	3.439	0.568

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	455.000	190.900	469.600	760.600	1022.000	462.900	451.600	221.300
2	19:02:29	456.100	192.200	468.900	756.600	1009.000	459.800	454.800	223.700
3	19:03:10	454.600	190.100	471.400	762.400	1008.000	461.100	454.600	224.300
x		455.200	191.000	470.000	759.900	1013.000	461.300	453.700	223.100
σ		0.822	1.063	1.296	2.988	7.491	1.556	1.799	1.581
%RSD		0.181	0.556	0.276	0.393	0.740	0.337	0.397	0.709

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	221.000	469.100	480.200	37.450	6.598	9.674	0.000	931.600
2	19:02:29	222.400	472.400	476.600	35.710	6.998	8.527	0.000	924.600
3	19:03:10	221.700	474.900	478.300	31.920	8.039	7.962	0.000	932.100
x		221.700	472.100	478.400	35.030	7.211	8.721	0.000	929.400
σ		0.697	2.940	1.805	2.827	0.744	0.872	0.000	4.207
%RSD		0.314	0.623	0.377	8.071	10.320	10.000	0.000	0.453

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	76.865%	987.000	997.100	74.468%	47.250	46.540	49.890	39.180
2	19:02:29	81.309%	988.200	993.900	78.859%	47.300	46.540	48.420	37.670
3	19:03:10	83.383%	997.200	1009.000	80.566%	47.770	47.350	48.690	39.250
x		80.519%	990.800	999.900	77.964%	47.440	46.810	49.000	38.700
σ		3.330%	5.620	7.864	3.146%	0.286	0.468	0.782	0.890
%RSD		4.136	0.567	0.787	4.035	0.603	1.000	1.595	2.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	79.898%	1985.000	486.300	486.800	1840.000	1801.000	86.907%	89.069%
2	19:02:29	85.751%	1955.000	481.400	482.200	1841.000	1825.000	91.477%	93.179%
3	19:03:10	87.862%	1969.000	486.600	489.300	1831.000	1827.000	94.399%	96.006%
x		84.504%	1970.000	484.800	486.100	1837.000	1818.000	90.928%	92.751%
σ		4.126%	14.940	2.890	3.628	5.440	14.150	3.776%	3.488%
%RSD		4.883	0.758	0.596	0.746	0.296	0.778	4.153	3.761

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:47	44.800	44.300	19.000	19.400	19.180	89.120%
2	19:02:29	46.010	45.110	18.710	18.420	18.700	94.659%
3	19:03:10	46.060	45.740	19.360	19.140	19.280	96.274%
x		45.630	45.050	19.020	18.990	19.050	93.351%
σ		0.712	0.724	0.324	0.504	0.314	3.752%
%RSD		1.560	1.607	1.703	2.654	1.646	4.019

180-17167-A-1-A 12/29/2012 7:05:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	102.080%	-0.031	70.370	66.750	0.000	57550.000	21400.000	21500.000
2	19:06:44	102.442%	-0.000	59.060	64.610	0.000	56870.000	21330.000	21410.000
3	19:07:25	102.439%	-0.000	64.280	63.400	0.000	56840.000	21420.000	21470.000
x		102.320%	-0.010	64.570	64.920	0.000	57090.000	21380.000	21460.000
σ		0.208%	0.018	5.662	1.696	0.000	401.600	50.630	47.230
%RSD		0.203	170.500	8.769	2.612	0.000	0.704	0.237	0.220

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	104.700	7066.000	0.000	9653.000	24800.000	25410.000	74.987%	8.284
2	19:06:44	103.700	7064.000	0.000	9498.000	25790.000	25560.000	75.598%	6.983
3	19:07:25	106.900	7087.000	0.000	9537.000	25420.000	25400.000	75.724%	8.136
x		105.100	7072.000	0.000	9563.000	25330.000	25450.000	75.436%	7.801
σ		1.632	12.400	0.000	80.830	498.300	90.000	0.394%	0.713
%RSD		1.553	0.175	0.000	0.845	1.967	0.354	0.522	9.134

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	-4.369	1.342	76.950	14560.000	14650.000	0.188	1.519	2.210
2	19:06:44	-3.317	1.156	77.210	14400.000	14760.000	0.152	1.521	1.865
3	19:07:25	-3.797	1.354	77.970	14340.000	14730.000	0.238	1.679	2.179
x		-3.828	1.284	77.380	14430.000	14710.000	0.193	1.573	2.085
σ		0.527	0.111	0.534	115.200	60.500	0.043	0.092	0.191
%RSD		13.760	8.673	0.690	0.798	0.411	22.300	5.848	9.166

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	1.947	7.141	7.108	7.668	-1.549	0.182	0.000	256.100
2	19:06:44	1.979	6.642	7.100	7.120	-1.818	-2.223	0.000	260.900
3	19:07:25	1.817	6.454	7.184	7.722	-1.949	-1.128	0.000	262.000
x		1.914	6.746	7.131	7.503	-1.772	-1.056	0.000	259.700
σ		0.086	0.355	0.046	0.333	0.204	1.204	0.000	3.123
%RSD		4.485	5.262	0.650	4.435	11.490	114.000	0.000	1.203

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	76.689%	4.309	4.457	74.279%	0.004	0.004	-0.005	-0.025
2	19:06:44	76.980%	2.437	2.506	75.568%	0.018	0.004	-0.117	-0.337
3	19:07:25	77.091%	2.038	1.705	75.877%	0.028	-0.002	0.005	-0.128
x		76.920%	2.928	2.890	75.241%	0.017	0.002	-0.039	-0.163
σ		0.208%	1.213	1.415	0.848%	0.012	0.003	0.067	0.159
%RSD		0.270	41.410	48.980	1.127	74.120	162.600	172.100	97.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	80.727%	27.460	0.289	0.274	48.270	47.370	88.221%	89.282%
2	19:06:44	82.078%	21.960	0.248	0.164	48.700	47.900	89.093%	91.724%
3	19:07:25	81.217%	21.040	0.225	0.265	48.330	49.670	89.816%	92.008%
x		81.341%	23.480	0.254	0.234	48.430	48.310	89.043%	91.005%
σ		0.684%	3.472	0.032	0.061	0.235	1.208	0.798%	1.498%
%RSD		0.840	14.780	12.780	25.990	0.485	2.500	0.897	1.647

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:06:02	0.831	0.773	0.693	0.598	0.655	87.667%
2	19:06:44	0.558	0.607	0.659	0.640	0.630	89.320%
3	19:07:25	0.401	0.468	0.665	0.642	0.635	90.754%
x		0.597	0.616	0.672	0.627	0.640	89.247%
σ		0.217	0.153	0.018	0.025	0.013	1.545%
%RSD		36.440	24.770	2.696	3.969	2.107	1.731

180-17167-A-2-A 12/29/2012 7:09:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	96.447%	-0.031	68.870	67.090	0.000	70580.000	18890.000	18900.000
2	19:10:59	100.071%	-0.031	65.240	65.870	0.000	68990.000	18650.000	18720.000
3	19:11:41	100.995%	-0.031	67.190	63.540	0.000	68480.000	18650.000	18660.000
x		99.171%	-0.031	67.100	65.500	0.000	69350.000	18730.000	18760.000
σ		2.404%	0.000	1.819	1.800	0.000	1097.000	140.400	123.200
%RSD		2.424	0.000	2.712	2.748	0.000	1.582	0.750	0.657

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	144.200	6527.000	0.000	4185.000	35560.000	35530.000	75.521%	10.560
2	19:10:59	146.800	6451.000	0.000	4160.000	36660.000	35680.000	77.084%	9.938
3	19:11:41	141.200	6428.000	0.000	4160.000	35980.000	35530.000	77.011%	8.803
x		144.100	6469.000	0.000	4168.000	36070.000	35580.000	76.539%	9.768
σ		2.814	52.080	0.000	14.590	552.400	84.400	0.882%	0.892
%RSD		1.953	0.805	0.000	0.350	1.532	0.237	1.153	9.128

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	-2.239	0.927	373.100	52870.000	53950.000	0.561	1.590	3.917
2	19:10:59	-2.555	0.853	374.600	51780.000	53860.000	0.342	1.402	3.675
3	19:11:41	-2.305	1.093	375.000	51850.000	54280.000	0.367	1.920	3.939
x		-2.367	0.958	374.200	52170.000	54030.000	0.423	1.638	3.844
σ		0.167	0.123	1.008	608.000	219.100	0.120	0.262	0.146
%RSD		7.046	12.830	0.269	1.165	0.405	28.370	16.000	3.802

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	4.608	8.076	8.442	17.590	-0.925	0.174	0.000	373.400
2	19:10:59	3.561	8.335	9.090	15.680	0.110	-1.384	0.000	372.500
3	19:11:41	3.699	7.659	8.777	15.680	-0.755	-0.700	0.000	377.400
x		3.956	8.023	8.770	16.310	-0.523	-0.637	0.000	374.400
σ		0.569	0.341	0.324	1.103	0.555	0.781	0.000	2.631
%RSD		14.380	4.247	3.698	6.761	106.000	122.600	0.000	0.703

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	77.080%	0.792	0.899	75.624%	0.004	-0.002	0.053	0.048
2	19:10:59	79.372%	0.624	0.799	77.686%	0.008	-0.002	0.088	-0.155
3	19:11:41	79.197%	0.514	0.762	78.160%	0.003	0.003	-0.008	-0.075
x		78.550%	0.643	0.820	77.157%	0.005	-0.000	0.044	-0.061
σ		1.276%	0.140	0.071	1.348%	0.003	0.003	0.048	0.102
%RSD		1.624	21.750	8.638	1.747	56.070	7384.000	109.000	168.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	79.632%	14.290	0.504	0.473	76.210	77.740	87.693%	89.118%
2	19:10:59	82.668%	14.720	0.449	0.390	76.970	77.590	90.205%	91.431%
3	19:11:41	84.545%	12.250	0.474	0.400	76.370	76.570	91.885%	92.688%
x		82.282%	13.750	0.476	0.421	76.520	77.300	89.928%	91.079%
σ		2.479%	1.323	0.027	0.045	0.398	0.636	2.110%	1.811%
%RSD		3.013	9.617	5.714	10.740	0.521	0.823	2.346	1.988

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:18	0.240	0.235	4.051	3.945	3.974	86.606%
2	19:10:59	0.172	0.228	4.018	4.138	4.000	90.129%
3	19:11:41	0.208	0.196	3.833	3.851	3.945	91.181%
x		0.206	0.219	3.967	3.978	3.973	89.306%
σ		0.034	0.021	0.117	0.146	0.027	2.396%
%RSD		16.440	9.490	2.959	3.681	0.692	2.683

180-17167-A-3-A 12/29/2012 7:13:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	100.660%	-0.031	65.760	67.430	0.000	88240.000	23440.000	23470.000
2	19:15:15	102.332%	-0.000	68.820	66.160	0.000	87870.000	23630.000	23730.000
3	19:15:56	104.209%	0.029	68.200	66.980	0.000	87290.000	23490.000	23520.000
x		102.401%	-0.001	67.590	66.860	0.000	87800.000	23520.000	23580.000
σ		1.775%	0.030	1.620	0.646	0.000	481.300	97.740	137.100
%RSD		1.734	5603.000	2.397	0.966	0.000	0.548	0.416	0.582

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	69.030	5304.000	0.000	4823.000	40960.000	40460.000	74.531%	3.530
2	19:15:15	69.700	5319.000	0.000	4850.000	40230.000	40670.000	76.387%	4.663
3	19:15:56	70.860	5319.000	0.000	4855.000	41650.000	40530.000	77.944%	5.103
x		69.860	5314.000	0.000	4843.000	40950.000	40550.000	76.287%	4.432
σ		0.926	8.299	0.000	16.890	708.500	106.500	1.709%	0.812
%RSD		1.325	0.156	0.000	0.349	1.730	0.263	2.240	18.310

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	-1.917	0.982	858.900	5926.000	6177.000	0.236	1.283	3.483
2	19:15:15	-2.646	1.260	862.300	5867.000	6164.000	0.377	1.069	3.210
3	19:15:56	-3.619	1.253	864.500	5858.000	6179.000	0.367	1.206	3.855
x		-2.728	1.165	861.900	5884.000	6173.000	0.327	1.186	3.516
σ		0.854	0.158	2.798	36.860	8.339	0.079	0.109	0.324
%RSD		31.300	13.590	0.325	0.627	0.135	24.030	9.160	9.221

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	3.612	4.403	4.297	18.050	-1.432	-0.071	0.000	286.900
2	19:15:15	3.554	5.236	5.204	17.320	-0.884	-0.190	0.000	288.400
3	19:15:56	4.090	4.742	4.048	15.780	0.313	-1.320	0.000	291.200
x		3.752	4.794	4.516	17.050	-0.667	-0.527	0.000	288.800
σ		0.294	0.419	0.608	1.159	0.892	0.689	0.000	2.213
%RSD		7.834	8.733	13.470	6.796	133.700	130.800	0.000	0.766

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	77.262%	0.444	0.403	74.715%	0.009	0.009	-0.002	-0.074
2	19:15:15	79.560%	0.352	0.431	77.350%	0.008	0.003	-0.092	-0.122
3	19:15:56	80.151%	0.533	0.372	78.546%	-0.002	0.018	0.027	-0.088
x		78.991%	0.443	0.402	76.870%	0.005	0.010	-0.022	-0.094
σ		1.526%	0.091	0.029	1.960%	0.006	0.008	0.062	0.025
%RSD		1.932	20.540	7.335	2.550	116.400	74.010	275.500	25.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	81.318%	10.480	0.464	0.651	80.400	78.570	86.945%	90.114%
2	19:15:15	83.731%	10.370	0.603	0.673	77.330	77.960	91.945%	93.300%
3	19:15:56	85.286%	10.220	0.636	0.661	77.920	78.890	93.067%	95.086%
x		83.445%	10.360	0.568	0.662	78.550	78.470	90.652%	92.833%
σ		2.000%	0.129	0.092	0.011	1.629	0.473	3.259%	2.519%
%RSD		2.397	1.243	16.160	1.681	2.074	0.602	3.595	2.713

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:33	0.124	0.123	2.129	2.001	2.145	86.970%
2	19:15:15	0.106	0.108	2.077	2.000	2.096	91.685%
3	19:15:56	0.098	0.106	2.048	2.230	2.153	93.388%
x		0.109	0.112	2.085	2.077	2.131	90.681%
σ		0.013	0.009	0.041	0.132	0.031	3.325%
%RSD		12.060	8.280	1.958	6.372	1.461	3.667

180-17167-A-4-A 12/29/2012 7:18:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	98.516%	-0.031	66.460	66.160	0.000	89180.000	23610.000	23640.000
2	19:19:31	99.838%	0.032	73.070	67.980	0.000	88450.000	23750.000	23770.000
3	19:20:12	101.613%	0.061	69.110	65.820	0.000	87340.000	23550.000	23610.000
x		99.989%	0.021	69.550	66.650	0.000	88320.000	23640.000	23670.000
σ		1.554%	0.047	3.327	1.164	0.000	924.300	101.900	85.710
%RSD		1.554	226.100	4.784	1.746	0.000	1.046	0.431	0.362

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	67.610	5418.000	0.000	4794.000	41070.000	40530.000	76.328%	5.009
2	19:19:31	70.300	5399.000	0.000	4814.000	40370.000	40450.000	77.214%	4.682
3	19:20:12	71.480	5367.000	0.000	4862.000	41100.000	40240.000	77.554%	3.926
x		69.790	5395.000	0.000	4823.000	40850.000	40400.000	77.032%	4.539
σ		1.985	25.960	0.000	34.910	410.200	151.200	0.633%	0.556
%RSD		2.844	0.481	0.000	0.724	1.004	0.374	0.822	12.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	-2.346	1.408	853.700	5116.000	6114.000	0.299	1.134	3.543
2	19:19:31	-2.967	1.350	861.200	5846.000	6184.000	0.295	1.056	2.994
3	19:20:12	-2.574	1.442	861.700	5804.000	6148.000	0.369	1.219	3.749
x		-2.629	1.400	858.900	5589.000	6148.000	0.321	1.137	3.429
σ		0.314	0.047	4.463	409.600	35.110	0.042	0.082	0.390
%RSD		11.960	3.331	0.520	7.329	0.571	12.990	7.183	11.380

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	2.661	5.198	4.023	18.700	-1.858	-1.144	0.000	283.800
2	19:19:31	3.333	4.787	4.415	19.490	-0.768	0.088	0.000	287.800
3	19:20:12	3.254	5.159	5.180	15.430	-1.521	-1.262	0.000	287.600
x		3.083	5.048	4.539	17.880	-1.382	-0.773	0.000	286.400
σ		0.367	0.227	0.588	2.150	0.558	0.748	0.000	2.278
%RSD		11.900	4.497	12.960	12.030	40.360	96.800	0.000	0.795

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	78.555%	0.459	0.341	75.896%	0.008	0.004	0.028	-0.084
2	19:19:31	79.549%	0.240	0.485	78.084%	-0.002	-0.002	-0.071	-0.107
3	19:20:12	79.752%	0.349	0.352	77.913%	-0.002	0.003	0.016	-0.055
x		79.285%	0.349	0.393	77.298%	0.002	0.002	-0.009	-0.082
σ		0.641%	0.110	0.080	1.217%	0.006	0.003	0.054	0.026
%RSD		0.808	31.370	20.470	1.574	341.500	178.300	602.800	31.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	81.331%	8.989	0.576	0.517	77.870	77.850	88.060%	89.931%
2	19:19:31	83.287%	8.079	0.652	0.620	78.820	78.750	90.874%	92.367%
3	19:20:12	83.843%	7.616	0.573	0.532	80.400	77.420	91.167%	92.620%
x		82.820%	8.228	0.600	0.556	79.030	78.010	90.033%	91.639%
σ		1.319%	0.699	0.045	0.055	1.276	0.681	1.716%	1.485%
%RSD		1.593	8.494	7.470	9.957	1.615	0.874	1.906	1.620

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:49	0.114	0.107	2.134	1.945	2.061	85.703%
2	19:19:31	0.086	0.108	2.029	2.085	2.040	90.257%
3	19:20:12	0.085	0.121	1.976	2.011	2.013	90.820%
x		0.095	0.112	2.046	2.014	2.038	88.926%
σ		0.017	0.007	0.081	0.070	0.024	2.806%
%RSD		17.500	6.693	3.936	3.481	1.182	3.155

180-17167-A-5-A 12/29/2012 7:22:23 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	109.913%	-0.031	247.300	223.000	0.000	35090.000	37800.000	38090.000
2	19:23:47	113.002%	-0.031	243.900	226.200	0.000	34970.000	37910.000	38430.000
3	19:24:29	115.324%	-0.031	258.400	221.400	0.000	34840.000	38150.000	42420.000
x		112.746%	-0.031	249.900	223.500	0.000	34970.000	37960.000	39650.000
σ		2.715%	0.000	7.616	2.434	0.000	121.000	177.500	2411.000
%RSD		2.408	0.000	3.048	1.089	0.000	0.346	0.468	6.081
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	-1.547	7466.000	0.000	14820.000	104300.000	104700.000	81.421%	1.188
2	19:23:47	-0.003	7522.000	0.000	14790.000	104600.000	105300.000	83.580%	1.714
3	19:24:29	-0.902	7499.000	0.000	14770.000	106300.000	105600.000	84.776%	1.384
x		-0.817	7496.000	0.000	14790.000	105100.000	105200.000	83.259%	1.429
σ		0.775	28.210	0.000	22.910	1088.000	466.600	1.700%	0.266
%RSD		94.840	0.376	0.000	0.155	1.035	0.444	2.042	18.610
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	-9.701	1.599	23.290	94.830	232.800	0.136	1.367	3.597
2	19:23:47	-6.923	2.056	24.960	100.900	241.000	0.143	1.116	3.861
3	19:24:29	-8.531	2.164	24.040	97.310	229.400	0.134	1.319	3.692
x		-8.385	1.940	24.100	97.680	234.400	0.138	1.267	3.716
σ		1.395	0.300	0.836	3.042	5.923	0.005	0.133	0.134
%RSD		16.630	15.470	3.468	3.114	2.527	3.635	10.510	3.592
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	3.510	12.580	11.970	-1.198	-0.870	0.718	0.000	573.800
2	19:23:47	3.821	12.410	13.750	2.542	-1.076	1.533	0.000	576.800
3	19:24:29	3.334	12.750	13.430	0.860	1.467	-0.449	0.000	583.400
x		3.555	12.580	13.050	0.735	-0.160	0.601	0.000	578.000
σ		0.247	0.171	0.949	1.873	1.413	0.996	0.000	4.945
%RSD		6.940	1.360	7.272	255.000	884.100	165.900	0.000	0.856
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	81.438%	0.750	0.727	79.122%	-0.006	-0.002	-0.084	-0.123
2	19:23:47	83.769%	0.731	0.862	81.847%	0.021	0.032	-0.036	-0.006
3	19:24:29	84.010%	0.789	0.774	82.692%	0.003	0.012	-0.071	-0.164
x		83.072%	0.757	0.787	81.221%	0.006	0.014	-0.063	-0.098
σ		1.420%	0.030	0.068	1.866%	0.014	0.017	0.025	0.082
%RSD		1.710	3.903	8.698	2.297	244.500	120.100	39.370	84.210
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:06	84.302%	6.909	0.606	0.825	111.700	110.500	90.356%	93.336%
2	19:23:47	87.780%	7.188	0.748	0.729	111.300	107.200	94.912%	96.394%
3	19:24:29	88.919%	7.107	0.676	0.768	109.200	109.900	96.042%	96.991%
x		87.000%	7.068	0.676	0.774	110.700	109.200	93.770%	95.574%
σ		2.405%	0.144	0.071	0.049	1.309	1.728	3.010%	1.961%
%RSD		2.764	2.037	10.480	6.283	1.182	1.583	3.210	2.052
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:23:06	0.071	0.074	0.268	0.298	0.287	88.699%		
2	19:23:47	0.059	0.085	0.264	0.286	0.293	92.241%		
3	19:24:29	0.061	0.045	0.286	0.351	0.309	93.578%		
x		0.063	0.068	0.273	0.312	0.296	91.506%		
σ		0.006	0.021	0.012	0.035	0.012	2.521%		
%RSD		9.874	30.650	4.261	11.230	3.920	2.755		

180-17167-A-5-A SD@5 12/29/2012 7:26:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	91.807%	0.003	47.270	45.550	0.000	7280.000	7520.000	7530.000
2	19:28:04	91.681%	0.037	48.940	49.780	0.000	7254.000	7540.000	7592.000
3	19:28:45	92.126%	0.036	54.260	46.570	0.000	7137.000	7494.000	7535.000
x		91.871%	0.025	50.160	47.300	0.000	7224.000	7518.000	7553.000
σ		0.229%	0.019	3.653	2.209	0.000	76.290	23.330	34.530
%RSD		0.249	76.630	7.284	4.670	0.000	1.056	0.310	0.457

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	0.563	1527.000	0.000	2559.000	20710.000	20640.000	78.105%	0.511
2	19:28:04	0.508	1540.000	0.000	2587.000	20860.000	20550.000	77.726%	0.113
3	19:28:45	-1.435	1517.000	0.000	2550.000	21410.000	20780.000	77.024%	0.586
x		-0.122	1528.000	0.000	2566.000	20990.000	20660.000	77.618%	0.404
σ		1.138	11.700	0.000	19.450	365.500	116.800	0.549%	0.254
%RSD		936.100	0.766	0.000	0.758	1.741	0.565	0.707	63.020

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	-3.778	0.615	5.114	34.950	75.070	0.064	0.419	1.426
2	19:28:04	-3.216	0.570	5.596	33.260	63.910	0.060	0.486	1.398
3	19:28:45	-2.562	0.655	4.948	27.560	66.270	0.043	0.240	1.312
x		-3.185	0.614	5.219	31.920	68.420	0.056	0.382	1.379
σ		0.609	0.042	0.337	3.873	5.882	0.011	0.127	0.059
%RSD		19.100	6.900	6.454	12.130	8.597	19.690	33.370	4.314

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	1.041	2.815	3.704	-1.454	0.409	-0.793	0.000	115.000
2	19:28:04	1.532	3.042	2.520	-0.806	-1.227	-0.927	0.000	116.400
3	19:28:45	1.242	2.421	3.123	-0.841	-1.374	-1.220	0.000	114.500
x		1.272	2.759	3.116	-1.034	-0.731	-0.980	0.000	115.300
σ		0.247	0.314	0.592	0.364	0.990	0.219	0.000	1.009
%RSD		19.390	11.380	19.010	35.230	135.500	22.290	0.000	0.875

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	77.837%	0.244	0.360	79.015%	0.042	-0.002	-0.070	-0.113
2	19:28:04	78.004%	0.242	0.216	79.403%	0.013	0.019	0.072	-0.005
3	19:28:45	79.029%	0.144	0.073	79.036%	0.003	-0.002	-0.010	-0.113
x		78.290%	0.210	0.216	79.151%	0.019	0.005	-0.003	-0.077
σ		0.645%	0.057	0.143	0.218%	0.020	0.012	0.072	0.062
%RSD		0.824	27.230	66.180	0.276	105.000	235.700	2683.000	80.620

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	81.502%	3.222	0.194	0.166	20.410	21.880	86.271%	87.645%
2	19:28:04	82.482%	3.386	0.177	0.171	21.490	22.240	87.123%	88.857%
3	19:28:45	83.332%	2.943	0.195	0.169	21.810	21.870	88.125%	88.952%
x		82.439%	3.183	0.189	0.169	21.240	22.000	87.173%	88.484%
σ		0.916%	0.224	0.010	0.002	0.731	0.213	0.928%	0.729%
%RSD		1.111	7.028	5.510	1.266	3.443	0.970	1.065	0.824

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	0.068	0.077	0.088	0.067	0.094	82.350%
2	19:28:04	0.064	0.063	0.071	0.098	0.093	84.135%
3	19:28:45	0.060	0.054	0.056	0.085	0.067	84.982%
x		0.064	0.064	0.072	0.083	0.085	83.822%
σ		0.004	0.012	0.016	0.015	0.015	1.343%
%RSD		6.613	18.050	22.370	18.640	17.820	1.603

CCV 664806 12/29/2012 7:33:48 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	75.172%	108.000	110.100	106.900	0.000	51510.000	44910.000	45030.000
2	19:35:13	76.584%	110.000	105.600	106.400	0.000	50840.000	45120.000	45500.000
3	19:35:55	77.679%	106.600	103.700	105.300	0.000	50880.000	45510.000	45690.000
x		76.478%	108.200%	106.441%	106.194%	0.000	102.157%	90.367%	90.811%
σ		1.257%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.643	1.604	3.097	0.767	0.000	0.741	0.675	0.755

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	507.500	5163.000	0.000	52080.000	52570.000	51450.000	70.250%	105.200
2	19:35:13	512.000	5219.000	0.000	51360.000	51090.000	51770.000	72.472%	105.200
3	19:35:55	507.300	5265.000	0.000	51320.000	53920.000	51550.000	74.327%	102.500
x		101.785%	104.321%	0.000	103.171%	105.052%	103.181%	72.350%	104.316%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.041%	n/a
%RSD		0.520	0.980	0.000	0.834	2.697	0.312	2.821	1.471

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	104.800	105.000	511.200	26020.000	25630.000	103.500	108.200	104.200
2	19:35:13	105.500	104.900	518.900	25610.000	25840.000	106.100	106.200	106.800
3	19:35:55	102.800	106.000	515.400	25570.000	26000.000	105.200	105.000	107.100
x		104.371%	105.277%	103.035%	102.941%	103.298%	104.936%	106.431%	106.041%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.322	0.582	0.748	0.962	0.728	1.254	1.515	1.550

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	105.400	103.200	104.900	97.570	101.100	94.720	0.000	97.160
2	19:35:13	105.700	101.900	106.400	100.200	98.400	98.640	0.000	95.710
3	19:35:55	103.200	105.300	104.400	103.600	98.490	103.000	0.000	96.450
x		104.761%	103.474%	105.250%	100.438%	99.336%	98.798%	0.000	96.443%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.317	1.671	0.981	2.992	1.554	4.211	0.000	0.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	79.442%	96.220	98.470	75.464%	98.000	98.000	98.050	98.590
2	19:35:13	82.890%	100.100	100.600	78.812%	98.010	98.140	97.770	96.110
3	19:35:55	83.499%	102.300	101.600	80.804%	99.320	101.500	98.330	100.400
x		81.943%	99.544%	100.235%	78.360%	98.444%	99.223%	98.050%	98.358%
σ		2.188%	n/a	n/a	2.699%	n/a	n/a	n/a	n/a
%RSD		2.670	3.103	1.606	3.444	0.769	2.017	0.289	2.176

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	79.015%	98.190	98.570	99.440	94.510	96.910	84.458%	84.559%
2	19:35:13	83.187%	99.510	97.680	98.710	96.040	97.300	87.986%	89.218%
3	19:35:55	83.988%	101.500	99.640	99.140	96.180	96.940	89.471%	90.853%
x		82.063%	99.741%	98.629%	99.095%	95.576%	97.051%	87.305%	88.210%
σ		2.670%	n/a	n/a	n/a	n/a	n/a	2.575%	3.266%
%RSD		3.254	1.686	0.993	0.368	0.968	0.226	2.949	3.703

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:31	99.520	98.750	100.400	99.310	100.200	83.516%
2	19:35:13	99.890	99.650	101.500	101.900	101.600	86.942%
3	19:35:55	101.100	100.100	100.700	101.600	101.500	88.589%
x		100.167%	99.497%	100.881%	100.924%	101.093%	86.349%
σ		n/a	n/a	n/a	n/a	n/a	2.588%
%RSD		0.818	0.683	0.533	1.395	0.775	2.997

CCB4 12/29/2012 7:41:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	86.219%	0.040	2.445	2.593	0.000	-32.230	16.210	14.240
2	19:43:03	87.267%	0.039	4.060	2.431	0.000	-1.746	25.800	24.590
3	19:43:45	86.120%	-0.031	1.417	2.341	0.000	-58.100	4.007	4.983
x		86.535%	0.016	2.641	2.455	0.000	-30.690	15.340	14.600
σ		0.636%	0.041	1.332	0.128	0.000	28.210	10.920	9.807
%RSD		0.735	248.700	50.450	5.202	0.000	91.910	71.220	67.150

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	-2.811	5.056	0.000	7.213	30.600	34.250	80.161%	-0.023
2	19:43:03	-2.038	5.999	0.000	15.190	92.000	60.820	80.217%	0.107
3	19:43:45	-4.128	4.836	0.000	-3.941	19.290	11.200	80.613%	0.106
x		-2.992	5.297	0.000	6.155	47.290	35.420	80.330%	0.063
σ		1.057	0.618	0.000	9.612	39.120	24.830	0.246%	0.074
%RSD		35.310	11.670	0.000	156.200	82.720	70.100	0.307	117.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	-0.004	0.040	0.178	15.260	22.220	0.016	0.077	0.437
2	19:43:03	0.085	0.075	0.438	16.320	19.450	0.060	0.182	0.409
3	19:43:45	-0.093	-0.038	0.049	6.293	9.242	-0.000	0.055	0.397
x		-0.004	0.025	0.222	12.620	16.970	0.025	0.105	0.415
σ		0.089	0.058	0.198	5.509	6.836	0.031	0.068	0.020
%RSD		2173.000	227.200	89.380	43.640	40.280	123.900	64.980	4.905

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	0.400	0.613	1.080	-0.055	-1.200	-0.204	0.000	0.273
2	19:43:03	0.457	0.839	0.127	0.166	-1.005	0.393	0.000	0.446
3	19:43:45	0.243	0.294	0.081	0.011	-0.286	-0.061	0.000	0.092
x		0.367	0.582	0.430	0.041	-0.830	0.043	0.000	0.270
σ		0.111	0.274	0.564	0.113	0.482	0.312	0.000	0.177
%RSD		30.200	47.060	131.300	279.000	57.990	730.300	0.000	65.430

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	80.711%	0.275	0.229	82.469%	0.059	0.028	-0.022	-0.053
2	19:43:03	82.344%	0.188	0.127	83.260%	0.081	0.042	0.032	0.005
3	19:43:45	82.208%	0.199	0.101	84.126%	0.007	0.018	0.117	0.056
x		81.754%	0.221	0.153	83.285%	0.049	0.029	0.042	0.002
σ		0.906%	0.047	0.068	0.829%	0.038	0.012	0.070	0.055
%RSD		1.109	21.420	44.440	0.995	77.150	42.180	167.300	2185.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	82.988%	0.662	0.039	0.033	0.014	0.074	85.436%	86.150%
2	19:43:03	84.901%	0.616	0.092	0.083	0.012	0.239	86.077%	86.968%
3	19:43:45	84.284%	0.676	0.037	-0.007	0.037	0.026	87.862%	88.488%
x		84.058%	0.651	0.056	0.036	0.021	0.113	86.458%	87.202%
σ		0.976%	0.031	0.031	0.045	0.014	0.112	1.258%	1.186%
%RSD		1.162	4.815	55.760	124.200	66.000	99.310	1.454	1.361

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:21	0.086	0.084	0.046	0.033	0.046	88.762%
2	19:43:03	0.076	0.091	0.093	0.045	0.060	89.421%
3	19:43:45	0.023	0.052	-0.003	0.002	0.010	89.983%
x		0.062	0.076	0.046	0.027	0.039	89.389%
σ		0.034	0.021	0.048	0.022	0.026	0.611%
%RSD		55.140	27.480	105.300	83.580	67.340	0.684

180-17167-A-5-B MS 12/29/2012 7:45:58 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	106.786%	48.340	1203.000	1153.000	0.000	79290.000	86860.000	86830.000
2	19:47:22	111.091%	49.080	1191.000	1151.000	0.000	77730.000	85240.000	85380.000
3	19:48:03	112.509%	50.660	1202.000	1157.000	0.000	77640.000	84900.000	85400.000
x		110.128%	49.360	1199.000	1154.000	0.000	78220.000	85670.000	85870.000
σ		2.980%	1.186	6.549	2.877	0.000	925.800	1050.000	832.500
%RSD		2.706	2.403	0.546	0.249	0.000	1.184	1.225	0.969

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	1687.000	16370.000	0.000	60510.000	151900.000	153200.000	79.784%	940.400
2	19:47:22	1684.000	16360.000	0.000	59200.000	149100.000	153600.000	81.560%	934.700
3	19:48:03	1686.000	16390.000	0.000	59090.000	150000.000	154100.000	82.060%	944.200
x		1686.000	16370.000	0.000	59600.000	150300.000	153700.000	81.135%	939.800
σ		1.400	13.850	0.000	789.800	1417.000	441.000	1.197%	4.769
%RSD		0.083	0.085	0.000	1.325	0.943	0.287	1.475	0.507

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	461.100	189.500	490.700	845.300	1228.000	470.300	466.400	225.900
2	19:47:22	465.100	191.800	498.100	856.700	1273.000	473.500	465.600	231.700
3	19:48:03	460.800	194.200	497.100	846.600	1235.000	471.500	459.900	230.200
x		462.400	191.800	495.300	849.500	1245.000	471.800	463.900	229.200
σ		2.382	2.372	4.003	6.224	24.130	1.641	3.566	3.027
%RSD		0.515	1.236	0.808	0.733	1.938	0.348	0.769	1.320

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	223.200	475.600	484.000	38.200	7.640	8.346	0.000	1576.000
2	19:47:22	227.300	480.300	490.800	35.950	7.562	9.162	0.000	1604.000
3	19:48:03	231.300	484.100	493.000	35.480	7.354	7.901	0.000	1611.000
x		227.300	480.000	489.300	36.540	7.519	8.469	0.000	1597.000
σ		4.074	4.227	4.698	1.453	0.148	0.640	0.000	18.870
%RSD		1.793	0.881	0.960	3.976	1.965	7.551	0.000	1.182

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	74.604%	1018.000	1013.000	74.875%	47.700	45.710	46.140	37.700
2	19:47:22	75.822%	1038.000	1028.000	77.073%	47.340	47.030	48.630	37.880
3	19:48:03	76.379%	1032.000	1031.000	77.913%	46.620	46.790	47.530	40.990
x		75.602%	1029.000	1024.000	76.620%	47.220	46.510	47.430	38.850
σ		0.908%	9.850	9.659	1.569%	0.548	0.707	1.246	1.847
%RSD		1.201	0.957	0.944	2.048	1.160	1.519	2.627	4.755

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	80.331%	1931.000	477.200	480.600	1947.000	1944.000	85.625%	88.707%
2	19:47:22	82.320%	1957.000	484.900	487.400	1949.000	1951.000	89.868%	92.169%
3	19:48:03	83.636%	1951.000	488.300	481.700	1957.000	1951.000	91.466%	93.567%
x		82.095%	1947.000	483.500	483.200	1951.000	1949.000	88.986%	91.481%
σ		1.664%	13.480	5.687	3.610	4.999	4.269	3.019%	2.502%
%RSD		2.027	0.692	1.176	0.747	0.256	0.219	3.392	2.735

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:40	45.530	44.910	20.020	19.870	19.910	84.578%
2	19:47:22	46.510	45.560	19.540	19.010	19.410	89.556%
3	19:48:03	46.550	46.550	20.080	20.020	19.890	88.863%
x		46.200	45.670	19.880	19.640	19.740	87.666%
σ		0.583	0.825	0.292	0.545	0.284	2.696%
%RSD		1.261	1.805	1.471	2.775	1.436	3.076

180-17167-A-5-C MSD 12/29/2012 7:50:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	109.844%	47.530	1191.000	1140.000	0.000	76800.000	84740.000	84580.000
2	19:51:39	109.665%	50.420	1238.000	1142.000	0.000	76990.000	84390.000	84530.000
3	19:52:21	110.959%	48.670	1222.000	1153.000	0.000	76900.000	84320.000	84300.000
x		110.156%	48.870	1217.000	1145.000	0.000	76900.000	84480.000	84470.000
σ		0.701%	1.455	24.140	6.955	0.000	96.920	220.600	152.800
%RSD		0.636	2.977	1.984	0.607	0.000	0.126	0.261	0.181

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	1668.000	16070.000	0.000	58730.000	150400.000	151900.000	80.237%	925.700
2	19:51:39	1679.000	16180.000	0.000	58690.000	148700.000	152600.000	81.191%	924.800
3	19:52:21	1673.000	16140.000	0.000	58690.000	149700.000	153500.000	80.875%	937.500
x		1673.000	16130.000	0.000	58700.000	149600.000	152700.000	80.768%	929.300
σ		5.434	55.240	0.000	25.170	877.600	778.200	0.486%	7.057
%RSD		0.325	0.342	0.000	0.043	0.587	0.510	0.602	0.759

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	463.300	192.900	493.000	844.400	1205.000	473.100	464.100	227.600
2	19:51:39	460.200	189.800	497.300	841.800	1250.000	470.400	457.800	228.100
3	19:52:21	460.000	193.000	497.000	847.100	1212.000	467.000	466.400	229.700
x		461.200	191.900	495.800	844.500	1223.000	470.200	462.800	228.500
σ		1.865	1.795	2.355	2.662	23.980	3.028	4.465	1.089
%RSD		0.404	0.935	0.475	0.315	1.961	0.644	0.965	0.477

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	226.900	485.300	494.100	35.840	7.372	7.971	0.000	1620.000
2	19:51:39	226.600	491.800	493.200	36.350	7.316	7.564	0.000	1633.000
3	19:52:21	230.500	493.700	504.000	36.800	5.804	8.943	0.000	1644.000
x		228.000	490.300	497.100	36.330	6.831	8.159	0.000	1632.000
σ		2.137	4.434	6.000	0.482	0.889	0.709	0.000	11.820
%RSD		0.937	0.904	1.207	1.327	13.020	8.686	0.000	0.724

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	73.465%	1029.000	1019.000	76.097%	47.580	45.960	47.240	39.480
2	19:51:39	74.762%	1034.000	1032.000	77.431%	47.500	45.860	46.310	39.030
3	19:52:21	74.553%	1043.000	1027.000	78.066%	46.390	46.160	46.500	39.160
x		74.260%	1035.000	1026.000	77.198%	47.160	45.990	46.680	39.230
σ		0.696%	7.484	7.008	1.005%	0.667	0.154	0.490	0.232
%RSD		0.938	0.723	0.683	1.302	1.415	0.334	1.049	0.592

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	82.750%	1906.000	478.200	478.100	1927.000	1909.000	89.912%	90.955%
2	19:51:39	84.093%	1944.000	482.900	486.100	1939.000	1933.000	91.447%	93.592%
3	19:52:21	84.652%	1943.000	485.800	483.300	1938.000	1932.000	92.521%	94.261%
x		83.831%	1931.000	482.300	482.500	1935.000	1925.000	91.293%	92.936%
σ		0.978%	21.360	3.846	4.090	6.556	13.270	1.311%	1.748%
%RSD		1.166	1.106	0.797	0.848	0.339	0.690	1.436	1.881

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:57	47.020	45.910	19.990	19.110	19.700	86.084%
2	19:51:39	46.610	46.330	20.090	19.940	20.140	89.389%
3	19:52:21	46.730	45.660	19.710	19.570	19.610	92.210%
x		46.790	45.960	19.930	19.540	19.820	89.228%
σ		0.211	0.340	0.196	0.414	0.281	3.066%
%RSD		0.451	0.739	0.985	2.121	1.417	3.436

180-17167-A-6-A 12/29/2012 7:54:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	94.455%	-0.031	130.700	124.500	0.000	21000.000	26160.000	26230.000
2	19:55:54	95.066%	-0.031	126.900	126.700	0.000	20810.000	26290.000	26260.000
3	19:56:36	97.116%	-0.031	119.200	116.800	0.000	20490.000	26000.000	26120.000
x		95.546%	-0.031	125.600	122.600	0.000	20770.000	26150.000	26200.000
σ		1.394%	0.000	5.900	5.190	0.000	260.400	148.600	73.830
%RSD		1.459	0.000	4.698	4.232	0.000	1.254	0.568	0.282

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	-0.403	10250.000	0.000	5198.000	66670.000	66630.000	71.323%	4.059
2	19:55:54	-1.082	10290.000	0.000	5191.000	66500.000	66040.000	72.650%	3.126
3	19:56:36	-1.126	10230.000	0.000	5187.000	66720.000	65540.000	73.362%	3.307
x		-0.870	10260.000	0.000	5192.000	66630.000	66070.000	72.445%	3.497
σ		0.405	30.460	0.000	5.928	114.300	544.100	1.035%	0.495
%RSD		46.530	0.297	0.000	0.114	0.172	0.824	1.428	14.140

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	-2.345	0.780	334.800	70240.000	72450.000	0.323	1.465	2.749
2	19:55:54	-2.454	0.593	335.200	69580.000	72850.000	0.276	1.452	2.476
3	19:56:36	-3.017	0.570	335.100	69130.000	72740.000	0.229	1.685	2.234
x		-2.605	0.648	335.000	69650.000	72680.000	0.276	1.534	2.486
σ		0.361	0.115	0.157	559.900	204.800	0.047	0.131	0.258
%RSD		13.840	17.810	0.047	0.804	0.282	17.050	8.537	10.370

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	2.373	7.690	8.229	9.240	0.337	-0.198	0.000	382.400
2	19:55:54	2.184	6.916	7.210	9.294	-0.007	-1.191	0.000	383.600
3	19:56:36	2.532	7.257	7.555	11.160	-1.362	-1.814	0.000	385.800
x		2.363	7.288	7.665	9.898	-0.344	-1.068	0.000	383.900
σ		0.175	0.388	0.518	1.092	0.898	0.815	0.000	1.741
%RSD		7.386	5.327	6.758	11.030	261.100	76.310	0.000	0.454

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	72.986%	5.114	5.406	71.932%	0.009	0.021	-0.044	-0.193
2	19:55:54	74.298%	2.779	2.529	73.218%	0.014	-0.002	-0.070	-0.187
3	19:56:36	75.048%	2.239	1.919	74.353%	0.019	-0.002	0.021	-0.063
x		74.111%	3.377	3.284	73.168%	0.014	0.006	-0.031	-0.148
σ		1.043%	1.528	1.862	1.211%	0.005	0.013	0.047	0.074
%RSD		1.408	45.250	56.700	1.656	33.980	217.700	149.300	49.760

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	76.486%	16.160	0.508	0.578	115.800	115.200	84.497%	85.930%
2	19:55:54	79.277%	12.350	0.364	0.381	114.600	114.100	86.534%	88.098%
3	19:56:36	80.119%	11.860	0.427	0.390	114.600	113.400	88.432%	89.535%
x		78.628%	13.460	0.433	0.450	115.000	114.200	86.488%	87.854%
σ		1.902%	2.351	0.073	0.111	0.698	0.912	1.968%	1.815%
%RSD		2.418	17.470	16.770	24.750	0.607	0.799	2.276	2.066

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:13	0.984	1.004	0.581	0.554	0.564	85.406%
2	19:55:54	0.719	0.701	0.526	0.523	0.503	88.337%
3	19:56:36	0.588	0.575	0.595	0.512	0.539	88.263%
x		0.764	0.760	0.567	0.530	0.535	87.335%
σ		0.201	0.221	0.036	0.022	0.031	1.672%
%RSD		26.360	29.030	6.399	4.141	5.790	1.914

180-17167-A-7-A 12/29/2012 7:58:46 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	93.238%	-0.031	42.930	40.860	0.000	46940.000	39960.000	40240.000
2	20:00:09	95.580%	-0.031	40.150	39.320	0.000	46710.000	40100.000	40600.000
3	20:00:51	96.805%	-0.031	38.020	37.000	0.000	46630.000	40220.000	40520.000
x		95.208%	-0.031	40.360	39.060	0.000	46760.000	40090.000	40460.000
σ		1.812%	0.000	2.460	1.943	0.000	159.700	132.600	190.800
%RSD		1.904	0.000	6.095	4.976	0.000	0.342	0.331	0.472
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	-3.167	8388.000	0.000	1275.000	40140.000	40430.000	70.982%	1.885
2	20:00:09	-3.366	8384.000	0.000	1286.000	41450.000	40640.000	71.722%	2.009
3	20:00:51	-3.452	8362.000	0.000	1286.000	40670.000	41050.000	72.073%	1.638
x		-3.328	8378.000	0.000	1282.000	40750.000	40710.000	71.592%	1.844
σ		0.146	14.390	0.000	6.502	658.300	316.400	0.557%	0.189
%RSD		4.393	0.172	0.000	0.507	1.615	0.777	0.778	10.240
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	-5.156	0.463	490.900	25550.000	26080.000	3.302	0.899	1.974
2	20:00:09	-4.470	0.428	497.200	25350.000	26450.000	3.122	0.540	1.902
3	20:00:51	-2.708	0.429	501.200	25360.000	26400.000	3.364	0.681	1.922
x		-4.111	0.440	496.400	25420.000	26310.000	3.263	0.707	1.933
σ		1.262	0.020	5.210	110.300	199.000	0.126	0.181	0.037
%RSD		30.710	4.509	1.049	0.434	0.756	3.860	25.560	1.909
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	1.415	2.205	2.459	27.780	-0.213	-0.242	0.000	295.200
2	20:00:09	2.155	1.754	2.325	28.740	-1.722	-1.222	0.000	298.300
3	20:00:51	1.259	1.155	2.338	27.000	-1.368	0.089	0.000	297.200
x		1.610	1.705	2.374	27.840	-1.101	-0.458	0.000	296.900
σ		0.479	0.527	0.074	0.869	0.789	0.681	0.000	1.527
%RSD		29.740	30.910	3.119	3.122	71.680	148.600	0.000	0.514
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	73.357%	15.860	17.510	72.207%	0.004	-0.001	-0.185	-0.226
2	20:00:09	74.228%	16.850	16.920	73.973%	-0.006	0.009	0.032	-0.048
3	20:00:51	75.744%	16.870	17.080	74.340%	0.004	-0.002	-0.101	-0.140
x		74.443%	16.530	17.170	73.507%	0.000	0.002	-0.085	-0.138
σ		1.207%	0.576	0.303	1.140%	0.006	0.006	0.109	0.089
%RSD		1.622	3.488	1.767	1.551	1605.000	293.800	128.700	64.380
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:27	77.052%	8.171	0.119	0.023	93.870	92.030	84.590%	85.913%
2	20:00:09	78.752%	8.248	0.116	0.036	97.650	95.530	86.824%	87.570%
3	20:00:51	80.287%	7.218	0.103	0.128	93.990	97.180	88.049%	89.863%
x		78.697%	7.879	0.112	0.062	95.170	94.910	86.488%	87.782%
σ		1.618%	0.574	0.009	0.057	2.145	2.632	1.754%	1.984%
%RSD		2.056	7.281	7.604	92.140	2.254	2.773	2.028	2.260
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:59:27	0.351	0.343	0.066	0.058	0.066	82.709%		
2	20:00:09	0.292	0.274	0.009	0.055	0.042	86.502%		
3	20:00:51	0.262	0.229	0.032	0.049	0.053	88.771%		
x		0.302	0.282	0.035	0.054	0.054	85.994%		
σ		0.045	0.058	0.029	0.005	0.012	3.063%		
%RSD		14.960	20.390	80.430	8.900	22.420	3.562		

180-17167-A-8-A 12/29/2012 8:03:00 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	99.376%	-0.031	64.460	66.540	0.000	47810.000	51960.000	57790.000
2	20:04:24	99.705%	-0.031	69.480	67.260	0.000	48020.000	52730.000	57870.000
3	20:05:05	98.928%	-0.031	68.780	67.560	0.000	48300.000	53160.000	58180.000
x		99.336%	-0.031	67.570	67.120	0.000	48040.000	52620.000	57950.000
σ		0.390%	0.000	2.719	0.522	0.000	250.000	610.000	207.400
%RSD		0.393	0.000	4.024	0.777	0.000	0.520	1.159	0.358

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	39.530	9859.000	0.000	3340.000	65060.000	65010.000	75.417%	4.318
2	20:04:24	39.190	10070.000	0.000	3369.000	65720.000	65290.000	76.653%	3.635
3	20:05:05	38.540	10100.000	0.000	3401.000	65460.000	65650.000	76.920%	3.892
x		39.090	10010.000	0.000	3370.000	65410.000	65310.000	76.330%	3.948
σ		0.502	130.400	0.000	30.290	333.900	322.000	0.802%	0.345
%RSD		1.285	1.303	0.000	0.899	0.510	0.493	1.050	8.736

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	-4.337	0.870	2628.000	16140.000	16540.000	47.470	19.540	2.406
2	20:04:24	-2.800	0.990	2667.000	16030.000	16750.000	48.050	20.670	2.506
3	20:05:05	-3.743	0.931	2661.000	15950.000	16690.000	47.920	22.980	2.803
x		-3.627	0.930	2652.000	16040.000	16660.000	47.810	21.060	2.572
σ		0.775	0.060	21.100	93.930	104.900	0.307	1.754	0.206
%RSD		21.370	6.462	0.796	0.586	0.630	0.643	8.329	8.013

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	2.561	7.088	8.510	1.155	-0.897	-2.195	0.000	544.000
2	20:04:24	2.764	8.176	8.132	0.088	-1.110	-1.045	0.000	543.200
3	20:05:05	2.314	7.742	8.274	3.545	-0.735	-0.260	0.000	545.800
x		2.546	7.669	8.306	1.596	-0.914	-1.167	0.000	544.300
σ		0.225	0.547	0.191	1.770	0.188	0.973	0.000	1.322
%RSD		8.847	7.137	2.300	110.900	20.550	83.420	0.000	0.243

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	76.244%	1.129	1.215	74.957%	0.024	0.014	0.066	-0.051
2	20:04:24	78.666%	1.153	1.160	77.345%	0.003	-0.002	0.003	-0.180
3	20:05:05	78.620%	1.066	1.119	77.978%	-0.002	0.003	-0.049	-0.133
x		77.843%	1.116	1.165	76.760%	0.008	0.005	0.007	-0.122
σ		1.385%	0.045	0.048	1.593%	0.013	0.008	0.058	0.065
%RSD		1.779	4.019	4.143	2.076	159.400	155.100	870.200	53.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	80.007%	6.906	0.150	0.109	86.540	83.800	86.715%	89.410%
2	20:04:24	83.086%	7.386	0.078	0.148	85.600	86.480	91.386%	91.836%
3	20:05:05	83.030%	7.129	0.129	0.090	85.520	83.980	91.345%	92.321%
x		82.041%	7.140	0.119	0.116	85.890	84.750	89.815%	91.189%
σ		1.762%	0.240	0.037	0.030	0.564	1.498	2.685%	1.560%
%RSD		2.147	3.363	31.100	25.660	0.656	1.768	2.990	1.710

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:42	0.209	0.200	0.458	0.449	0.492	85.981%
2	20:04:24	0.209	0.214	0.559	0.458	0.519	89.509%
3	20:05:05	0.186	0.179	0.539	0.461	0.513	91.123%
x		0.202	0.198	0.519	0.456	0.508	88.871%
σ		0.013	0.018	0.053	0.006	0.015	2.630%
%RSD		6.603	8.909	10.250	1.333	2.856	2.959

180-17167-A-9-A 12/29/2012 8:07:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	94.165%	0.036	32.380	31.380	0.000	11540.000	3920.000	3939.000
2	20:08:39	95.293%	-0.031	30.600	32.180	0.000	11410.000	3914.000	3931.000
3	20:09:21	95.348%	0.002	33.550	31.770	0.000	11410.000	3885.000	3916.000
x		94.935%	0.002	32.180	31.780	0.000	11450.000	3906.000	3929.000
σ		0.668%	0.033	1.487	0.400	0.000	75.490	18.740	11.860
%RSD		0.704	1439.000	4.621	1.259	0.000	0.659	0.480	0.302

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	76.120	4673.000	0.000	5112.000	27960.000	28350.000	71.419%	4.708
2	20:08:39	72.620	4660.000	0.000	5167.000	28640.000	28320.000	71.600%	5.343
3	20:09:21	73.110	4633.000	0.000	5154.000	29160.000	28280.000	71.825%	5.399
x		73.950	4656.000	0.000	5144.000	28590.000	28320.000	71.615%	5.150
σ		1.895	20.460	0.000	28.860	601.000	37.980	0.203%	0.384
%RSD		2.562	0.440	0.000	0.561	2.102	0.134	0.284	7.456

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	-3.286	1.395	237.500	13600.000	13620.000	0.195	5.267	6.403
2	20:08:39	-3.443	1.414	235.500	13410.000	13540.000	0.229	4.738	6.378
3	20:09:21	-1.246	1.306	236.900	13360.000	13660.000	0.210	4.461	6.489
x		-2.658	1.372	236.600	13460.000	13610.000	0.211	4.822	6.423
σ		1.225	0.058	1.009	123.600	59.270	0.017	0.410	0.058
%RSD		46.090	4.217	0.426	0.919	0.436	8.084	8.501	0.909

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	6.159	58.610	61.340	-0.596	-0.336	-0.385	0.000	271.600
2	20:08:39	6.300	57.280	60.500	0.873	-1.330	0.276	0.000	269.700
3	20:09:21	6.451	60.210	62.610	0.451	-1.069	-0.954	0.000	270.900
x		6.303	58.700	61.480	0.243	-0.912	-0.354	0.000	270.700
σ		0.146	1.467	1.063	0.757	0.515	0.616	0.000	0.979
%RSD		2.319	2.499	1.729	311.900	56.530	173.800	0.000	0.361

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	72.904%	0.462	0.249	72.955%	0.004	-0.007	0.239	0.251
2	20:08:39	74.545%	0.331	0.283	74.261%	-0.001	-0.007	0.266	0.229
3	20:09:21	74.604%	0.244	0.246	74.393%	0.014	-0.007	0.008	0.062
x		74.018%	0.346	0.259	73.870%	0.005	-0.007	0.171	0.180
σ		0.965%	0.110	0.020	0.795%	0.008	0.000	0.142	0.103
%RSD		1.304	31.770	7.781	1.076	142.300	0.000	82.740	57.330

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	77.500%	5.853	0.324	0.287	43.820	41.820	83.815%	85.114%
2	20:08:39	78.974%	5.497	0.302	0.254	43.710	43.430	84.995%	86.263%
3	20:09:21	78.946%	6.070	0.306	0.355	44.900	42.740	87.098%	87.557%
x		78.473%	5.806	0.311	0.299	44.140	42.670	85.303%	86.311%
σ		0.843%	0.289	0.012	0.051	0.654	0.806	1.663%	1.222%
%RSD		1.074	4.984	3.785	17.230	1.481	1.890	1.950	1.416

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:57	0.152	0.115	0.961	0.834	0.935	84.601%
2	20:08:39	0.122	0.104	0.939	0.971	0.975	86.888%
3	20:09:21	0.103	0.112	1.036	0.846	0.943	88.173%
x		0.126	0.111	0.979	0.884	0.951	86.554%
σ		0.025	0.006	0.051	0.076	0.021	1.809%
%RSD		19.760	5.431	5.183	8.581	2.243	2.090

180-17167-A-10-A 12/29/2012 8:11:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	96.920%	-0.031	3.892	4.174	0.000	-62.800	5.477	5.681
2	20:12:54	101.089%	0.000	5.630	3.636	0.000	-69.940	1.468	1.033
3	20:13:36	100.978%	-0.031	3.711	3.924	0.000	-55.550	8.097	8.153
x		99.662%	-0.020	4.411	3.911	0.000	-62.760	5.014	4.956
σ		2.375%	0.018	1.059	0.270	0.000	7.195	3.339	3.615
%RSD		2.384	87.700	24.010	6.892	0.000	11.460	66.590	72.950

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	-2.727	18.280	0.000	2.239	21.110	21.120	73.868%	0.967
2	20:12:54	-3.296	16.460	0.000	0.442	26.890	10.770	74.340%	0.680
3	20:13:36	-2.921	17.810	0.000	3.747	32.560	30.670	74.989%	0.466
x		-2.981	17.510	0.000	2.143	26.850	20.860	74.399%	0.704
σ		0.289	0.943	0.000	1.654	5.729	9.955	0.563%	0.251
%RSD		9.688	5.386	0.000	77.200	21.330	47.730	0.757	35.630

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	-4.402	0.814	0.305	16.020	26.520	0.003	0.064	1.492
2	20:12:54	-5.946	0.818	0.178	8.577	14.840	-0.007	0.063	1.564
3	20:13:36	-7.046	0.761	0.438	10.650	18.220	-0.024	0.154	1.430
x		-5.798	0.798	0.307	11.750	19.860	-0.009	0.094	1.495
σ		1.328	0.032	0.130	3.841	6.008	0.014	0.052	0.067
%RSD		22.910	3.971	42.290	32.690	30.260	144.600	55.300	4.480

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	0.849	0.572	0.390	-0.654	-1.107	-2.598	0.000	0.173
2	20:12:54	1.712	0.332	0.638	-0.932	-1.270	-1.405	0.000	0.110
3	20:13:36	1.541	0.734	0.486	0.323	-2.314	0.422	0.000	0.289
x		1.367	0.546	0.505	-0.421	-1.564	-1.194	0.000	0.191
σ		0.457	0.202	0.125	0.659	0.655	1.521	0.000	0.091
%RSD		33.420	36.990	24.750	156.700	41.870	127.400	0.000	47.530

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	75.147%	0.009	0.046	76.073%	0.008	0.009	0.058	-0.027
2	20:12:54	76.118%	-0.065	-0.053	77.198%	0.028	-0.007	-0.087	-0.079
3	20:13:36	76.320%	-0.011	0.108	77.594%	0.008	0.014	-0.174	-0.164
x		75.862%	-0.022	0.034	76.955%	0.015	0.005	-0.067	-0.090
σ		0.627%	0.039	0.081	0.789%	0.011	0.011	0.117	0.069
%RSD		0.826	173.200	238.300	1.025	75.920	204.300	174.100	77.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	79.958%	4.923	0.077	0.021	-0.010	0.171	85.565%	85.909%
2	20:12:54	81.104%	5.189	0.029	0.027	0.042	-0.018	85.526%	87.849%
3	20:13:36	80.556%	5.417	0.030	0.034	0.041	0.075	87.309%	87.254%
x		80.539%	5.176	0.045	0.028	0.025	0.076	86.133%	87.004%
σ		0.573%	0.247	0.028	0.006	0.030	0.095	1.018%	0.994%
%RSD		0.711	4.774	60.880	23.290	122.000	125.000	1.182	1.142

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:12:12	0.117	0.073	0.016	0.031	0.019	86.554%
2	20:12:54	0.080	0.086	0.001	0.014	0.010	88.514%
3	20:13:36	0.086	0.080	0.005	-0.006	0.008	88.360%
x		0.094	0.079	0.007	0.013	0.012	87.809%
σ		0.020	0.006	0.008	0.018	0.006	1.090%
%RSD		21.080	8.152	105.700	139.700	47.330	1.241

180-17167-A-11-A 12/29/2012 8:15:46 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	95.964%	-0.031	3.951	3.394	0.000	55.730	1.412	1.614
2	20:17:10	97.624%	-0.031	2.591	3.975	0.000	61.370	3.144	3.443
3	20:17:51	99.953%	-0.031	4.907	3.168	0.000	61.730	3.416	4.946
x		97.847%	-0.031	3.816	3.512	0.000	59.610	2.658	3.334
σ		2.004%	0.000	1.164	0.416	0.000	3.367	1.087	1.669
%RSD		2.048	0.000	30.500	11.850	0.000	5.648	40.900	50.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	-3.624	100.400	0.000	1.303	34.020	49.920	72.067%	0.489
2	20:17:10	-3.689	100.200	0.000	1.199	21.550	58.480	72.466%	0.414
3	20:17:51	-3.813	100.600	0.000	3.314	51.400	43.970	73.474%	0.549
x		-3.709	100.400	0.000	1.939	35.660	50.790	72.669%	0.484
σ		0.096	0.222	0.000	1.192	15.000	7.294	0.725%	0.068
%RSD		2.589	0.221	0.000	61.490	42.060	14.360	0.997	13.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	-5.809	0.839	0.144	6.019	10.710	-0.024	0.068	1.307
2	20:17:10	-5.848	0.865	0.209	6.278	11.900	-0.010	0.232	1.650
3	20:17:51	-5.535	1.014	0.176	6.036	9.756	-0.019	0.182	1.656
x		-5.731	0.906	0.176	6.111	10.790	-0.018	0.160	1.538
σ		0.171	0.094	0.032	0.145	1.072	0.007	0.084	0.200
%RSD		2.981	10.410	18.270	2.379	9.937	38.340	52.320	12.980

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	1.700	0.846	1.105	-2.269	-1.268	-1.812	0.000	0.111
2	20:17:10	1.624	0.905	0.930	1.507	-1.858	-1.609	0.000	0.139
3	20:17:51	1.586	0.817	0.734	0.498	-1.999	-1.377	0.000	0.230
x		1.637	0.856	0.923	-0.088	-1.708	-1.599	0.000	0.160
σ		0.058	0.045	0.186	1.955	0.388	0.218	0.000	0.062
%RSD		3.547	5.240	20.090	2221.000	22.700	13.620	0.000	38.930

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	72.205%	-0.126	-0.075	73.207%	0.004	-0.007	0.014	-0.041
2	20:17:10	74.096%	-0.101	-0.071	74.632%	0.014	0.009	-0.137	-0.153
3	20:17:51	74.087%	-0.231	-0.045	75.001%	-0.001	-0.007	-0.028	-0.146
x		73.463%	-0.153	-0.064	74.280%	0.005	-0.002	-0.051	-0.113
σ		1.089%	0.069	0.016	0.947%	0.008	0.009	0.078	0.063
%RSD		1.482	45.300	25.210	1.275	142.200	622.600	153.900	55.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	75.635%	4.470	0.033	0.017	0.167	0.052	80.378%	81.883%
2	20:17:10	77.980%	4.632	0.048	0.030	-0.034	0.097	82.657%	83.850%
3	20:17:51	78.625%	4.458	0.052	0.064	0.047	0.031	83.054%	84.676%
x		77.413%	4.520	0.044	0.037	0.060	0.060	82.030%	83.470%
σ		1.573%	0.097	0.010	0.024	0.101	0.034	1.444%	1.435%
%RSD		2.032	2.150	22.710	64.990	169.100	55.920	1.761	1.719

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:28	0.095	0.090	-0.000	0.035	0.019	81.052%
2	20:17:10	0.047	0.045	0.017	0.004	0.017	84.172%
3	20:17:51	0.061	0.076	0.013	0.008	0.015	84.301%
x		0.068	0.070	0.010	0.015	0.017	83.175%
σ		0.025	0.023	0.009	0.017	0.002	1.840%
%RSD		36.930	32.720	89.010	110.200	12.810	2.212

180-17167-A-12-A 12/29/2012 8:20:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	92.910%	0.003	16.700	12.890	0.000	2492.000	880.500	864.500
2	20:21:26	95.637%	0.035	13.500	14.330	0.000	2520.000	868.600	870.900
3	20:22:08	96.826%	0.002	15.590	13.220	0.000	2510.000	870.000	878.700
x		95.124%	0.013	15.270	13.480	0.000	2507.000	873.000	871.300
σ		2.008%	0.019	1.623	0.757	0.000	14.000	6.505	7.112
%RSD		2.111	143.400	10.630	5.613	0.000	0.559	0.745	0.816

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	343.100	2551.000	0.000	2843.000	12160.000	11580.000	70.391%	9.348
2	20:21:26	342.100	2550.000	0.000	2879.000	11600.000	11690.000	70.940%	8.175
3	20:22:08	349.100	2579.000	0.000	2925.000	11820.000	11910.000	70.920%	9.851
x		344.800	2560.000	0.000	2882.000	11860.000	11720.000	70.751%	9.124
σ		3.817	16.330	0.000	41.110	282.600	166.700	0.311%	0.860
%RSD		1.107	0.638	0.000	1.426	2.383	1.422	0.440	9.427

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	-1.732	2.101	116.800	6208.000	6181.000	0.198	0.565	2.853
2	20:21:26	-2.801	2.158	117.400	5146.000	6159.000	0.164	0.851	3.352
3	20:22:08	-2.318	2.007	118.700	5239.000	6318.000	0.176	0.915	3.625
x		-2.284	2.089	117.600	5531.000	6219.000	0.179	0.777	3.277
σ		0.535	0.076	0.963	588.000	86.510	0.017	0.186	0.392
%RSD		23.440	3.661	0.819	10.630	1.391	9.705	23.980	11.950

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	2.874	8.675	10.980	-0.333	-1.651	-0.132	0.000	90.930
2	20:21:26	3.510	9.314	11.100	1.286	-1.145	-1.105	0.000	91.220
3	20:22:08	2.954	10.130	11.020	1.375	-1.187	-1.096	0.000	91.440
x		3.113	9.372	11.030	0.776	-1.328	-0.778	0.000	91.200
σ		0.346	0.729	0.058	0.961	0.281	0.560	0.000	0.258
%RSD		11.130	7.777	0.526	123.900	21.150	71.950	0.000	0.283

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	71.820%	-0.079	-0.018	72.359%	-0.001	0.004	-0.129	-0.029
2	20:21:26	73.020%	0.093	0.148	73.320%	0.004	0.010	-0.139	-0.089
3	20:22:08	74.413%	0.115	-0.000	74.396%	-0.001	-0.002	-0.034	-0.085
x		73.084%	0.043	0.043	73.358%	0.000	0.004	-0.100	-0.068
σ		1.298%	0.107	0.091	1.019%	0.003	0.006	0.057	0.033
%RSD		1.776	248.100	211.800	1.389	768.100	136.600	57.230	49.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	76.090%	3.970	0.088	0.116	10.840	11.690	82.411%	82.969%
2	20:21:26	77.641%	4.360	0.123	0.092	10.740	10.890	84.872%	85.657%
3	20:22:08	79.869%	4.277	0.135	0.069	12.100	11.090	85.754%	86.816%
x		77.867%	4.203	0.115	0.092	11.230	11.220	84.345%	85.148%
σ		1.900%	0.206	0.025	0.024	0.759	0.417	1.732%	1.974%
%RSD		2.439	4.895	21.400	25.680	6.761	3.714	2.054	2.318

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:44	0.054	0.067	1.583	1.566	1.570	82.614%
2	20:21:26	0.059	0.067	1.625	1.586	1.636	86.127%
3	20:22:08	0.064	0.057	1.586	1.516	1.563	87.853%
x		0.059	0.064	1.598	1.556	1.590	85.531%
σ		0.005	0.006	0.023	0.036	0.040	2.670%
%RSD		8.424	8.759	1.454	2.337	2.546	3.121

180-17167-A-13-A 12/29/2012 8:24:19 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	91.016%	-0.031	52.920	51.630	0.000	67420.000	5304.000	5271.000
2	20:25:43	94.711%	0.002	53.220	51.320	0.000	66200.000	5277.000	5284.000
3	20:26:24	93.892%	0.036	55.390	50.700	0.000	66780.000	5323.000	5318.000
x		93.206%	0.002	53.840	51.220	0.000	66800.000	5301.000	5291.000
σ		1.941%	0.033	1.349	0.471	0.000	609.900	22.950	24.580
%RSD		2.082	1345.000	2.505	0.920	0.000	0.913	0.433	0.465

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	295.700	4995.000	0.000	4612.000	34130.000	34140.000	69.918%	12.820
2	20:25:43	298.200	4987.000	0.000	4676.000	33990.000	34480.000	70.195%	10.920
3	20:26:24	295.700	5008.000	0.000	4661.000	33930.000	34430.000	70.757%	10.610
x		296.600	4997.000	0.000	4650.000	34020.000	34350.000	70.290%	11.450
σ		1.454	11.020	0.000	33.230	100.600	182.100	0.428%	1.199
%RSD		0.490	0.221	0.000	0.715	0.296	0.530	0.608	10.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	-1.319	4.843	206.400	13210.000	13040.000	0.227	1.100	7.239
2	20:25:43	-2.063	5.082	208.900	13260.000	13320.000	0.262	1.403	6.727
3	20:26:24	-1.084	4.710	209.000	13120.000	13320.000	0.278	1.391	6.968
x		-1.488	4.878	208.100	13190.000	13230.000	0.256	1.298	6.978
σ		0.511	0.188	1.468	69.890	163.900	0.026	0.172	0.256
%RSD		34.340	3.858	0.705	0.530	1.239	10.120	13.240	3.673

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	7.610	34.230	34.740	2.090	-0.676	-1.011	0.000	183.900
2	20:25:43	6.579	34.800	36.740	0.413	-0.595	-1.934	0.000	185.500
3	20:26:24	6.820	35.950	36.420	0.041	-1.290	-2.713	0.000	186.100
x		7.003	34.990	35.970	0.848	-0.854	-1.886	0.000	185.200
σ		0.539	0.875	1.076	1.092	0.380	0.852	0.000	1.155
%RSD		7.696	2.499	2.993	128.800	44.530	45.160	0.000	0.623

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	71.572%	0.258	0.538	69.866%	0.010	0.022	0.150	0.079
2	20:25:43	73.016%	0.526	0.717	71.929%	0.025	0.027	0.208	0.303
3	20:26:24	73.423%	0.419	0.622	72.213%	0.004	0.021	-0.053	-0.029
x		72.670%	0.401	0.626	71.336%	0.013	0.023	0.102	0.118
σ		0.972%	0.135	0.089	1.281%	0.011	0.003	0.137	0.169
%RSD		1.338	33.600	14.270	1.796	84.210	13.210	135.000	143.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	74.167%	4.579	0.159	0.214	14.810	14.890	80.216%	81.243%
2	20:25:43	76.503%	4.975	0.158	0.220	14.950	14.720	84.004%	84.395%
3	20:26:24	76.829%	4.768	0.212	0.206	15.340	14.690	83.840%	85.705%
x		75.833%	4.774	0.176	0.213	15.040	14.770	82.687%	83.781%
σ		1.452%	0.198	0.031	0.007	0.276	0.110	2.141%	2.294%
%RSD		1.914	4.154	17.610	3.496	1.838	0.746	2.589	2.738

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:01	0.069	0.077	1.671	1.698	1.650	80.051%
2	20:25:43	0.059	0.061	1.728	1.699	1.775	82.828%
3	20:26:24	0.075	0.050	1.796	1.602	1.728	84.820%
x		0.068	0.063	1.732	1.666	1.717	82.566%
σ		0.008	0.014	0.062	0.056	0.063	2.395%
%RSD		11.730	21.640	3.592	3.352	3.683	2.901

CCV 664806 12/29/2012 8:31:30 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	77.951%	107.000	100.000	103.100	0.000	50860.000	44490.000	44750.000
2	20:32:53	79.404%	109.200	105.400	102.400	0.000	50470.000	44870.000	45060.000
3	20:33:35	78.849%	108.900	109.900	104.700	0.000	50820.000	45220.000	45630.000
x		78.735%	108.387%	105.103%	103.383%	0.000	101.433%	89.716%	90.289%
σ		0.733%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.931	1.105	4.729	1.166	0.000	0.421	0.822	0.987

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	496.600	5241.000	0.000	52180.000	51170.000	51010.000	72.918%	108.000
2	20:32:53	500.100	5264.000	0.000	51670.000	52250.000	51690.000	74.460%	105.100
3	20:33:35	506.000	5308.000	0.000	51550.000	51950.000	52020.000	75.622%	104.500
x		100.179%	105.416%	0.000	103.596%	103.583%	103.149%	74.333%	105.855%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.356%	n/a
%RSD		0.954	0.648	0.000	0.644	1.077	0.996	1.824	1.789

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	102.900	103.400	510.200	26080.000	25490.000	104.400	102.900	106.100
2	20:32:53	105.300	103.800	515.200	25690.000	25930.000	105.200	107.600	106.100
3	20:33:35	103.700	105.000	512.900	25630.000	25900.000	106.500	108.300	106.600
x		103.972%	104.076%	102.553%	103.193%	103.099%	105.364%	106.286%	106.250%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.173	0.768	0.493	0.947	0.944	1.020	2.778	0.252

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	104.800	100.900	106.600	100.800	94.800	97.780	0.000	92.400
2	20:32:53	106.100	102.600	102.400	101.300	100.300	99.630	0.000	91.840
3	20:33:35	103.000	103.000	102.900	100.700	98.340	98.080	0.000	92.480
x		104.626%	102.160%	103.946%	100.936%	97.807%	98.495%	0.000	92.240%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.471	1.109	2.201	0.326	2.838	1.010	0.000	0.377

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	83.034%	95.840	96.090	79.830%	96.910	96.700	96.460	96.670
2	20:32:53	86.284%	97.710	97.820	82.495%	98.510	97.520	97.280	97.950
3	20:33:35	87.890%	98.530	98.920	83.471%	97.870	98.220	98.600	98.190
x		85.736%	97.358%	97.613%	81.932%	97.764%	97.481%	97.449%	97.602%
σ		2.474%	n/a	n/a	1.884%	n/a	n/a	n/a	n/a
%RSD		2.886	1.413	1.461	2.300	0.828	0.781	1.106	0.837

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	81.490%	97.670	97.470	97.100	97.780	95.780	86.983%	87.515%
2	20:32:53	84.599%	100.400	97.880	97.780	93.110	96.040	90.139%	90.728%
3	20:33:35	85.925%	97.840	97.540	98.780	97.340	96.050	91.795%	91.735%
x		84.004%	98.636%	97.631%	97.887%	96.077%	95.956%	89.639%	89.993%
σ		2.277%	n/a	n/a	n/a	n/a	n/a	2.444%	2.204%
%RSD		2.710	1.547	0.225	0.862	2.681	0.163	2.727	2.449

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:11	100.900	100.600	101.800	103.000	101.900	82.340%
2	20:32:53	101.900	101.300	102.300	102.400	102.600	85.883%
3	20:33:35	101.400	100.800	101.400	101.600	101.100	87.821%
x		101.403%	100.921%	101.829%	102.330%	101.904%	85.348%
σ		n/a	n/a	n/a	n/a	n/a	2.779%
%RSD		0.463	0.371	0.422	0.693	0.723	3.256

CCB5 12/29/2012 8:38:43 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	90.034%	0.003	1.801	2.196	0.000	-48.330	12.240	13.060
2	20:40:06	91.374%	0.036	1.518	1.580	0.000	-45.860	15.250	16.650
3	20:40:48	93.560%	0.035	2.293	1.807	0.000	-55.260	13.040	12.850
x		91.656%	0.025	1.871	1.861	0.000	-49.820	13.510	14.190
σ		1.780%	0.019	0.392	0.311	0.000	4.875	1.559	2.135
%RSD		1.942	75.200	20.960	16.740	0.000	9.787	11.540	15.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	-2.528	4.531	0.000	6.005	60.440	41.610	84.905%	0.035
2	20:40:06	-2.259	4.982	0.000	6.416	64.940	43.220	85.876%	0.215
3	20:40:48	-2.718	4.419	0.000	0.438	38.490	38.420	86.511%	0.093
x		-2.502	4.644	0.000	4.287	54.620	41.080	85.764%	0.114
σ		0.230	0.298	0.000	3.339	14.160	2.439	0.809%	0.092
%RSD		9.210	6.415	0.000	77.890	25.910	5.937	0.943	80.490

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	-0.022	0.075	0.270	19.360	28.340	0.055	0.230	0.485
2	20:40:06	0.155	-0.031	0.267	16.730	27.520	0.017	0.108	0.537
3	20:40:48	0.017	0.045	0.200	12.290	19.230	0.001	0.048	0.598
x		0.050	0.030	0.246	16.130	25.030	0.024	0.129	0.540
σ		0.093	0.054	0.040	3.573	5.044	0.028	0.093	0.056
%RSD		185.300	184.100	16.160	22.160	20.150	114.200	72.300	10.450

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	0.479	0.524	0.568	0.127	-0.591	0.513	0.000	0.349
2	20:40:06	0.213	0.206	0.562	0.175	-0.151	0.035	0.000	0.418
3	20:40:48	0.528	0.378	0.491	-0.141	0.160	-0.705	0.000	0.280
x		0.407	0.369	0.540	0.054	-0.194	-0.052	0.000	0.349
σ		0.169	0.159	0.043	0.170	0.377	0.614	0.000	0.069
%RSD		41.660	43.200	7.888	317.200	194.800	1174.000	0.000	19.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	86.487%	0.201	0.303	87.473%	0.024	0.031	-0.049	-0.064
2	20:40:06	86.608%	0.149	0.245	88.618%	0.037	0.040	0.028	-0.024
3	20:40:48	87.180%	0.097	0.145	89.257%	0.041	0.054	-0.082	-0.049
x		86.758%	0.149	0.231	88.449%	0.034	0.042	-0.034	-0.045
σ		0.370%	0.052	0.080	0.904%	0.009	0.011	0.057	0.020
%RSD		0.426	35.050	34.610	1.022	25.500	27.280	166.600	44.670

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	87.270%	0.686	0.031	0.017	0.083	0.111	89.934%	89.871%
2	20:40:06	87.899%	1.276	0.064	0.048	-0.018	0.124	91.263%	90.824%
3	20:40:48	89.011%	1.338	0.049	0.029	0.031	0.123	90.517%	91.744%
x		88.060%	1.100	0.048	0.031	0.032	0.119	90.571%	90.813%
σ		0.882%	0.360	0.017	0.015	0.050	0.007	0.666%	0.936%
%RSD		1.001	32.720	34.780	49.530	160.000	6.007	0.736	1.031

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:24	0.124	0.100	0.027	0.047	0.048	91.126%
2	20:40:06	0.078	0.071	0.026	0.046	0.040	92.587%
3	20:40:48	0.094	0.090	0.023	0.060	0.046	93.328%
x		0.099	0.087	0.025	0.051	0.045	92.347%
σ		0.023	0.015	0.002	0.008	0.004	1.121%
%RSD		23.480	17.030	9.473	15.550	9.022	1.214

180-17167-A-14-A 12/29/2012 8:43:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	92.838%	0.003	99.880	93.390	0.000	269200.000	8374.000	8366.000
2	20:44:24	95.625%	0.002	97.310	93.370	0.000	264100.000	8322.000	8346.000
3	20:45:06	96.272%	0.002	95.510	94.590	0.000	263100.000	8385.000	8379.000
x		94.912%	0.002	97.570	93.780	0.000	265400.000	8360.000	8364.000
σ		1.825%	0.001	2.196	0.698	0.000	3250.000	33.700	16.770
%RSD		1.922	28.060	2.251	0.744	0.000	1.224	0.403	0.201

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	17.750	8776.000	0.000	14870.000	49750.000	50210.000	72.544%	6.069
2	20:44:24	17.910	8712.000	0.000	14700.000	50170.000	50420.000	73.290%	6.639
3	20:45:06	17.420	8766.000	0.000	14720.000	51180.000	51160.000	73.507%	7.886
x		17.700	8752.000	0.000	14770.000	50370.000	50600.000	73.114%	6.865
σ		0.252	34.600	0.000	93.710	736.300	495.300	0.505%	0.929
%RSD		1.421	0.395	0.000	0.635	1.462	0.979	0.691	13.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	-0.970	1.208	803.400	48260.000	47940.000	0.346	1.930	2.414
2	20:44:24	-0.983	1.459	807.500	47460.000	48490.000	0.269	2.193	2.060
3	20:45:06	-0.817	1.458	816.700	47550.000	49040.000	0.302	1.843	2.458
x		-0.923	1.375	809.200	47760.000	48490.000	0.306	1.989	2.311
σ		0.093	0.145	6.791	438.200	549.700	0.039	0.182	0.218
%RSD		10.030	10.540	0.839	0.918	1.134	12.620	9.166	9.433

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	1.641	5.946	5.817	13.100	-0.744	0.284	0.000	520.600
2	20:44:24	1.957	5.749	6.292	15.250	-0.822	-0.040	0.000	522.900
3	20:45:06	1.429	6.420	6.883	14.050	-1.902	-0.826	0.000	524.900
x		1.675	6.038	6.331	14.130	-1.156	-0.194	0.000	522.800
σ		0.266	0.345	0.534	1.082	0.648	0.571	0.000	2.155
%RSD		15.860	5.709	8.437	7.653	56.030	294.300	0.000	0.412

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	72.578%	0.448	0.255	70.159%	0.015	0.010	-0.054	-0.233
2	20:44:24	74.624%	0.223	0.267	72.059%	0.009	0.015	0.006	-0.080
3	20:45:06	75.682%	0.243	0.214	73.204%	0.004	-0.001	-0.182	-0.095
x		74.295%	0.305	0.245	71.807%	0.009	0.008	-0.077	-0.136
σ		1.578%	0.124	0.028	1.538%	0.006	0.009	0.096	0.084
%RSD		2.124	40.840	11.300	2.142	60.120	107.300	125.400	62.090

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	74.473%	7.431	0.495	0.495	114.900	113.800	81.494%	82.627%
2	20:44:24	76.886%	6.343	0.446	0.548	116.500	115.100	84.297%	85.701%
3	20:45:06	78.562%	5.286	0.522	0.405	115.400	114.000	86.088%	87.574%
x		76.640%	6.354	0.488	0.483	115.600	114.300	83.960%	85.301%
σ		2.055%	1.073	0.038	0.072	0.834	0.720	2.315%	2.498%
%RSD		2.682	16.880	7.846	14.910	0.722	0.630	2.758	2.928

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:42	0.092	0.070	0.215	0.143	0.216	78.119%
2	20:44:24	0.060	0.067	0.233	0.240	0.217	81.958%
3	20:45:06	0.036	0.071	0.233	0.181	0.213	85.608%
x		0.063	0.070	0.227	0.188	0.215	81.895%
σ		0.028	0.002	0.011	0.049	0.002	3.745%
%RSD		44.720	2.722	4.712	26.170	0.915	4.573

180-17167-A-15-A 12/29/2012 8:47:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	95.979%	-0.031	42.710	44.920	0.000	22050.000	24140.000	24170.000
2	20:48:43	97.658%	-0.031	40.950	41.840	0.000	21910.000	23940.000	24100.000
3	20:49:25	97.958%	0.001	44.090	45.460	0.000	21810.000	24170.000	24110.000
x		97.198%	-0.020	42.590	44.070	0.000	21920.000	24080.000	24130.000
σ		1.067%	0.018	1.574	1.950	0.000	121.500	122.100	38.390
%RSD		1.097	91.600	3.695	4.424	0.000	0.554	0.507	0.159
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	66.960	6896.000	0.000	1449.000	41200.000	40460.000	73.431%	4.363
2	20:48:43	68.390	6839.000	0.000	1448.000	40770.000	40610.000	74.114%	4.109
3	20:49:25	67.160	6839.000	0.000	1449.000	41060.000	40930.000	74.055%	3.551
x		67.500	6858.000	0.000	1449.000	41010.000	40670.000	73.867%	4.008
σ		0.774	33.260	0.000	0.696	215.600	238.000	0.378%	0.416
%RSD		1.147	0.485	0.000	0.048	0.526	0.585	0.512	10.370
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	-3.436	0.382	1210.000	41420.000	42220.000	0.784	1.590	2.114
2	20:48:43	-2.920	0.466	1214.000	40830.000	42360.000	0.812	1.521	2.099
3	20:49:25	-3.429	0.513	1219.000	40750.000	42330.000	0.788	1.058	2.409
x		-3.262	0.454	1214.000	41000.000	42310.000	0.795	1.390	2.207
σ		0.296	0.066	4.060	363.400	73.320	0.015	0.290	0.175
%RSD		9.069	14.650	0.334	0.886	0.173	1.908	20.840	7.935
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	2.315	9.040	8.949	8.919	-0.459	0.403	0.000	344.500
2	20:48:43	2.000	9.802	8.066	11.270	-1.557	-1.237	0.000	342.400
3	20:49:25	2.126	8.339	8.492	11.730	-1.068	0.557	0.000	341.900
x		2.147	9.060	8.502	10.640	-1.028	-0.092	0.000	342.900
σ		0.159	0.732	0.442	1.507	0.550	0.994	0.000	1.417
%RSD		7.388	8.078	5.192	14.160	53.530	1078.000	0.000	0.413
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	75.473%	0.619	0.688	75.876%	-0.006	-0.002	-0.066	-0.094
2	20:48:43	77.295%	0.490	0.527	76.836%	-0.002	0.009	-0.087	-0.147
3	20:49:25	78.139%	0.717	0.647	77.347%	-0.002	-0.002	-0.094	-0.178
x		76.969%	0.609	0.621	76.686%	-0.003	0.002	-0.082	-0.140
σ		1.362%	0.114	0.084	0.747%	0.003	0.006	0.014	0.043
%RSD		1.770	18.730	13.500	0.974	88.020	334.800	17.200	30.560
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:01	79.855%	4.131	0.104	0.096	36.410	34.930	86.455%	88.437%
2	20:48:43	81.584%	3.780	0.049	0.132	35.050	36.220	89.150%	89.284%
3	20:49:25	82.065%	3.997	0.136	0.131	36.360	36.400	89.301%	91.456%
x		81.168%	3.970	0.096	0.120	35.940	35.850	88.302%	89.726%
σ		1.162%	0.177	0.044	0.021	0.771	0.804	1.602%	1.557%
%RSD		1.432	4.462	45.400	17.480	2.145	2.242	1.814	1.735
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:48:01	0.033	0.036	0.270	0.239	0.267	86.243%		
2	20:48:43	0.051	0.051	0.243	0.292	0.268	89.470%		
3	20:49:25	0.030	0.042	0.248	0.248	0.274	91.262%		
x		0.038	0.043	0.254	0.260	0.270	88.992%		
σ		0.011	0.008	0.015	0.028	0.004	2.543%		
%RSD		29.380	17.650	5.740	10.890	1.498	2.858		

180-17167-A-16-A 12/29/2012 8:51:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	105.996%	-0.031	234.000	226.000	0.000	105700.000	62790.000	63380.000
2	20:53:00	109.362%	-0.031	243.300	225.900	0.000	105300.000	62530.000	63170.000
3	20:53:42	111.898%	-0.003	237.900	227.700	0.000	104900.000	62670.000	63120.000
x		109.085%	-0.021	238.400	226.500	0.000	105300.000	62660.000	63220.000
σ		2.961%	0.016	4.641	0.998	0.000	404.000	129.200	137.200
%RSD		2.714	75.320	1.947	0.441	0.000	0.384	0.206	0.217

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	-13.900	6479.000	0.000	11450.000	105000.000	106600.000	80.327%	1.205
2	20:53:00	-0.080	6509.000	0.000	11370.000	105800.000	107000.000	82.996%	0.601
3	20:53:42	-0.314	6522.000	0.000	11430.000	107800.000	107900.000	83.928%	0.903
x		-4.764	6503.000	0.000	11420.000	106200.000	107200.000	82.417%	0.903
σ		7.912	22.430	0.000	45.620	1427.000	675.200	1.869%	0.302
%RSD		166.100	0.345	0.000	0.400	1.344	0.630	2.268	33.460

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	-7.395	1.779	707.300	48.100	176.400	6.589	6.971	4.398
2	20:53:00	-9.264	1.857	709.600	34.510	173.300	6.805	7.284	4.067
3	20:53:42	-8.768	2.163	718.300	32.710	159.800	6.596	8.424	3.958
x		-8.476	1.933	711.800	38.440	169.800	6.663	7.559	4.141
σ		0.968	0.203	5.810	8.415	8.829	0.123	0.765	0.229
%RSD		11.420	10.520	0.816	21.890	5.200	1.845	10.120	5.535

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	3.250	8.522	9.876	-2.267	-0.599	0.417	0.000	697.200
2	20:53:00	3.731	9.074	9.893	0.919	-0.693	-1.185	0.000	706.400
3	20:53:42	4.119	9.951	9.886	-1.120	-0.848	-1.372	0.000	707.800
x		3.700	9.183	9.885	-0.823	-0.714	-0.713	0.000	703.800
σ		0.435	0.721	0.009	1.614	0.126	0.983	0.000	5.722
%RSD		11.760	7.850	0.086	196.200	17.620	137.800	0.000	0.813

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	80.869%	0.963	0.929	78.094%	0.013	-0.002	0.053	-0.004
2	20:53:00	82.923%	0.822	0.812	80.671%	0.026	0.008	0.009	0.082
3	20:53:42	83.866%	0.861	0.624	81.598%	0.003	-0.002	0.239	0.138
x		82.552%	0.882	0.789	80.121%	0.014	0.001	0.100	0.072
σ		1.533%	0.073	0.154	1.816%	0.012	0.006	0.122	0.071
%RSD		1.856	8.229	19.500	2.266	84.440	402.600	121.800	99.320

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	81.779%	4.805	0.049	0.053	169.500	169.200	88.588%	89.857%
2	20:53:00	84.951%	4.758	0.071	0.043	170.800	167.400	92.082%	94.313%
3	20:53:42	87.166%	4.717	0.055	0.035	162.700	167.600	93.823%	95.076%
x		84.632%	4.760	0.058	0.044	167.700	168.100	91.498%	93.082%
σ		2.707%	0.044	0.012	0.009	4.381	0.973	2.666%	2.819%
%RSD		3.199	0.922	19.700	20.050	2.612	0.579	2.914	3.029

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:52:18	0.117	0.082	0.035	0.045	0.058	84.047%
2	20:53:00	0.103	0.077	0.061	0.082	0.065	87.209%
3	20:53:42	0.094	0.090	0.031	0.060	0.052	89.554%
x		0.105	0.083	0.042	0.062	0.059	86.937%
σ		0.011	0.007	0.016	0.019	0.006	2.764%
%RSD		10.720	8.171	37.710	30.040	10.640	3.179

180-17167-A-17-A 12/29/2012 8:55:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	95.076%	-0.031	214.000	203.000	0.000	100200.000	53070.000	58980.000
2	20:57:18	96.151%	-0.031	212.800	207.100	0.000	99160.000	53110.000	53470.000
3	20:57:59	97.366%	0.065	208.900	200.400	0.000	98890.000	53060.000	53480.000
x		96.198%	0.001	211.900	203.500	0.000	99410.000	53080.000	55310.000
σ		1.146%	0.055	2.685	3.370	0.000	679.900	24.920	3181.000
%RSD		1.191	4165.000	1.267	1.656	0.000	0.684	0.047	5.752

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	-2.144	6564.000	0.000	7954.000	96840.000	97810.000	73.694%	3.785
2	20:57:18	-2.295	6568.000	0.000	7113.000	98090.000	99020.000	74.167%	1.800
3	20:57:59	-2.321	6531.000	0.000	7121.000	98930.000	99440.000	74.085%	1.591
x		-2.254	6554.000	0.000	7396.000	97950.000	98760.000	73.982%	2.392
σ		0.096	20.220	0.000	483.100	1055.000	849.700	0.253%	1.211
%RSD		4.243	0.309	0.000	6.532	1.077	0.860	0.341	50.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	-3.854	0.637	2891.000	20810.000	21570.000	0.382	3.417	2.270
2	20:57:18	-3.859	0.661	2906.000	20560.000	21680.000	0.298	3.330	2.695
3	20:57:59	-5.343	0.465	2910.000	20550.000	21730.000	0.411	3.521	2.344
x		-4.352	0.587	2902.000	20640.000	21660.000	0.364	3.423	2.437
σ		0.858	0.107	9.994	147.800	80.810	0.058	0.096	0.227
%RSD		19.720	18.220	0.344	0.716	0.373	16.060	2.800	9.321

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	2.082	6.510	8.247	5.432	-0.975	0.819	0.000	638.000
2	20:57:18	2.295	6.242	7.938	2.214	-1.045	-0.871	0.000	637.400
3	20:57:59	2.196	6.270	7.024	3.074	-1.573	-0.096	0.000	635.500
x		2.191	6.341	7.736	3.573	-1.198	-0.049	0.000	637.000
σ		0.107	0.147	0.636	1.666	0.327	0.846	0.000	1.292
%RSD		4.876	2.322	8.219	46.630	27.290	1712.000	0.000	0.203

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	75.171%	-0.145	0.001	73.632%	0.014	-0.002	0.018	-0.035
2	20:57:18	77.325%	0.005	-0.110	75.301%	0.003	-0.002	0.012	-0.004
3	20:57:59	77.987%	0.017	-0.043	75.697%	0.013	-0.002	-0.083	-0.133
x		76.828%	-0.041	-0.051	74.876%	0.010	-0.002	-0.018	-0.058
σ		1.472%	0.090	0.056	1.096%	0.006	0.000	0.056	0.068
%RSD		1.916	220.300	109.800	1.463	57.030	4.423	319.500	117.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	80.269%	3.659	0.119	0.055	296.000	299.000	86.701%	88.243%
2	20:57:18	81.217%	3.886	0.107	0.127	304.200	301.600	88.095%	90.136%
3	20:57:59	82.345%	3.600	0.074	0.078	300.900	297.100	90.542%	91.644%
x		81.277%	3.715	0.100	0.086	300.400	299.300	88.446%	90.008%
σ		1.039%	0.151	0.023	0.037	4.123	2.261	1.944%	1.704%
%RSD		1.278	4.075	23.100	42.380	1.373	0.755	2.198	1.893

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:36	0.026	0.031	4.491	4.151	4.397	83.492%
2	20:57:18	0.013	0.028	4.603	4.483	4.491	86.895%
3	20:57:59	0.009	0.016	4.481	4.440	4.542	87.800%
x		0.016	0.025	4.525	4.358	4.477	86.062%
σ		0.009	0.008	0.068	0.181	0.074	2.271%
%RSD		54.800	32.330	1.500	4.150	1.651	2.639

180-17167-A-18-A 12/29/2012 9:00:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	94.723%	0.002	187.900	162.600	0.000	90600.000	71050.000	71690.000
2	21:01:34	96.603%	0.034	176.100	167.800	0.000	89450.000	70120.000	70770.000
3	21:02:15	96.410%	0.002	177.600	167.800	0.000	89660.000	70270.000	70980.000
x		95.912%	0.012	180.500	166.000	0.000	89910.000	70480.000	71150.000
σ		1.034%	0.018	6.418	2.997	0.000	612.900	497.200	483.500
%RSD		1.079	148.000	3.555	1.805	0.000	0.682	0.706	0.679
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	250.400	9808.000	0.000	12680.000	118400.000	119500.000	74.963%	11.680
2	21:01:34	255.600	9798.000	0.000	12510.000	119000.000	119300.000	76.219%	11.080
3	21:02:15	254.200	9865.000	0.000	12560.000	118500.000	120200.000	76.503%	12.120
x		253.400	9824.000	0.000	12580.000	118600.000	119600.000	75.895%	11.630
σ		2.691	36.090	0.000	88.140	345.900	503.300	0.820%	0.526
%RSD		1.062	0.367	0.000	0.700	0.292	0.421	1.080	4.523
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	-3.035	1.786	627.800	29340.000	30220.000	0.900	4.376	6.082
2	21:01:34	-2.377	1.988	630.100	29020.000	30240.000	0.837	5.085	5.897
3	21:02:15	-3.429	2.058	633.700	29060.000	30390.000	0.938	4.811	5.969
x		-2.947	1.944	630.500	29140.000	30280.000	0.892	4.757	5.983
σ		0.532	0.141	2.961	176.300	93.650	0.051	0.358	0.093
%RSD		18.040	7.266	0.470	0.605	0.309	5.715	7.516	1.558
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	5.717	32.420	34.950	7.245	-0.515	-0.228	0.000	775.100
2	21:01:34	6.380	33.880	33.260	5.162	-1.462	-2.949	0.000	781.800
3	21:02:15	6.556	33.030	35.730	6.727	-2.472	-0.904	0.000	787.900
x		6.218	33.110	34.650	6.378	-1.483	-1.360	0.000	781.600
σ		0.442	0.736	1.260	1.084	0.979	1.417	0.000	6.430
%RSD		7.112	2.224	3.638	17.000	65.990	104.200	0.000	0.823
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	76.519%	0.548	0.599	74.557%	0.009	0.036	0.089	0.068
2	21:01:34	77.866%	0.684	0.957	76.247%	0.013	0.014	0.193	0.179
3	21:02:15	77.585%	0.672	0.838	76.283%	0.023	0.019	0.224	0.215
x		77.323%	0.634	0.798	75.696%	0.015	0.023	0.169	0.154
σ		0.710%	0.075	0.182	0.986%	0.007	0.012	0.070	0.077
%RSD		0.919	11.890	22.850	1.303	48.940	49.920	41.810	49.860
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:52	78.968%	3.913	0.248	0.212	236.600	239.000	87.123%	88.199%
2	21:01:34	81.464%	4.755	0.230	0.198	236.200	241.500	89.317%	90.671%
3	21:02:15	81.692%	4.450	0.213	0.244	239.900	242.900	89.805%	90.492%
x		80.708%	4.373	0.230	0.218	237.600	241.100	88.748%	89.787%
σ		1.511%	0.426	0.017	0.023	2.030	1.991	1.429%	1.379%
%RSD		1.872	9.746	7.506	10.650	0.855	0.826	1.610	1.535
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:00:52	0.023	0.030	4.413	4.614	4.451	82.937%		
2	21:01:34	0.042	0.027	4.609	4.535	4.528	85.763%		
3	21:02:15	0.018	0.030	4.339	4.460	4.362	87.202%		
x		0.028	0.029	4.454	4.536	4.447	85.301%		
σ		0.013	0.002	0.139	0.077	0.083	2.170%		
%RSD		45.250	5.562	3.130	1.707	1.868	2.544		

180-17167-A-19-A 12/29/2012 9:04:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	103.597%	-0.001	142.100	135.900	0.000	124400.000	53580.000	59220.000
2	21:05:48	109.055%	0.027	147.100	138.300	0.000	123300.000	58800.000	59170.000
3	21:06:30	110.700%	-0.002	149.900	138.100	0.000	123100.000	53900.000	59010.000
x		107.784%	0.008	146.400	137.400	0.000	123600.000	55430.000	59140.000
σ		3.718%	0.016	3.944	1.347	0.000	717.500	2925.000	108.500
%RSD		3.450	208.700	2.695	0.980	0.000	0.581	5.277	0.184

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	181.400	7096.000	0.000	12150.000	122900.000	124600.000	81.099%	8.108
2	21:05:48	180.100	7152.000	0.000	12190.000	127200.000	127300.000	82.244%	9.122
3	21:06:30	180.300	7106.000	0.000	12170.000	124000.000	127000.000	83.063%	7.158
x		180.600	7118.000	0.000	12170.000	124700.000	126300.000	82.135%	8.129
σ		0.734	30.010	0.000	18.430	2259.000	1499.000	0.986%	0.982
%RSD		0.406	0.422	0.000	0.151	1.811	1.187	1.201	12.080

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	-6.111	3.192	102.900	509.300	772.600	1.014	3.979	2.319
2	21:05:48	-7.339	3.281	105.700	502.300	776.000	0.950	3.550	2.564
3	21:06:30	-7.875	3.482	105.000	502.500	767.400	1.070	3.596	2.736
x		-7.108	3.318	104.500	504.700	772.000	1.012	3.708	2.540
σ		0.904	0.149	1.462	4.016	4.346	0.060	0.236	0.210
%RSD		12.720	4.478	1.399	0.796	0.563	5.935	6.351	8.248

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	2.113	6.009	7.014	-0.590	-0.509	-1.325	0.000	663.300
2	21:05:48	2.393	5.632	5.648	0.309	-0.843	0.373	0.000	663.700
3	21:06:30	2.348	5.234	6.500	1.303	-1.218	0.320	0.000	667.500
x		2.285	5.625	6.387	0.341	-0.857	-0.210	0.000	664.800
σ		0.150	0.388	0.690	0.947	0.355	0.965	0.000	2.340
%RSD		6.568	6.890	10.800	278.100	41.410	458.800	0.000	0.352

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	81.544%	0.178	0.229	78.217%	0.003	0.003	0.017	-0.015
2	21:05:48	84.242%	0.099	0.319	80.268%	0.008	0.013	0.068	0.052
3	21:06:30	84.913%	0.069	0.177	81.213%	-0.006	0.018	0.129	0.040
x		83.566%	0.115	0.242	79.899%	0.001	0.011	0.071	0.026
σ		1.783%	0.057	0.072	1.532%	0.007	0.007	0.056	0.036
%RSD		2.134	49.040	29.670	1.917	509.300	64.970	78.700	139.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	83.184%	3.233	0.048	0.077	117.800	116.900	90.770%	91.401%
2	21:05:48	87.217%	2.988	0.069	0.035	120.400	119.200	92.782%	94.512%
3	21:06:30	86.021%	2.776	0.080	0.049	121.400	119.900	92.831%	95.745%
x		85.474%	2.999	0.066	0.054	119.900	118.700	92.127%	93.886%
σ		2.071%	0.229	0.016	0.021	1.871	1.562	1.176%	2.238%
%RSD		2.423	7.620	24.730	39.670	1.560	1.316	1.277	2.384

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:06	0.025	0.038	0.332	0.369	0.333	84.796%
2	21:05:48	0.020	0.034	0.345	0.334	0.364	88.282%
3	21:06:30	0.011	0.029	0.347	0.311	0.327	90.458%
x		0.019	0.034	0.341	0.338	0.342	87.845%
σ		0.007	0.005	0.008	0.030	0.020	2.856%
%RSD		37.420	13.500	2.419	8.742	5.807	3.252

MB 180-58565/1-A 12/29/2012 9:12:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	82.199%	-0.031	1.538	2.184	0.000	-76.680	-1.168	-0.610
2	21:13:40	82.252%	-0.031	2.613	1.889	0.000	-64.750	4.203	5.093
3	21:14:22	83.491%	-0.031	1.904	1.831	0.000	-58.880	8.093	8.372
x		82.647%	-0.031	2.018	1.968	0.000	-66.770	3.709	4.285
σ		0.731%	0.000	0.547	0.190	0.000	9.067	4.650	4.545
%RSD		0.885	0.000	27.090	9.630	0.000	13.580	125.400	106.100

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	-4.943	4.804	0.000	-13.540	2.945	-2.034	75.887%	-0.087
2	21:13:40	-4.691	3.328	0.000	-10.980	14.670	15.640	76.267%	-0.019
3	21:14:22	-3.661	4.639	0.000	-8.626	38.580	19.500	75.442%	-0.019
x		-4.432	4.257	0.000	-11.050	18.730	11.030	75.865%	-0.042
σ		0.679	0.809	0.000	2.459	18.160	11.480	0.413%	0.040
%RSD		15.320	19.000	0.000	22.250	96.950	104.000	0.545	94.740

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.107	-0.039	-0.012	3.327	3.280	-0.015	0.017	0.573
2	21:13:40	0.047	0.060	0.010	3.903	3.664	-0.033	0.039	0.491
3	21:14:22	-0.137	-0.038	0.059	4.405	6.202	-0.003	-0.006	0.636
x		0.006	-0.006	0.019	3.878	4.382	-0.017	0.016	0.566
σ		0.127	0.057	0.036	0.539	1.587	0.015	0.023	0.073
%RSD		2256.000	1011.000	189.400	13.910	36.230	89.270	137.400	12.840

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.940	0.627	0.301	-1.076	-1.542	-2.750	0.000	-0.024
2	21:13:40	0.436	0.395	0.405	-0.673	-1.302	-2.006	0.000	0.104
3	21:14:22	0.550	0.597	0.225	0.006	-1.951	0.085	0.000	0.206
x		0.642	0.539	0.310	-0.581	-1.598	-1.557	0.000	0.095
σ		0.264	0.126	0.090	0.547	0.328	1.469	0.000	0.115
%RSD		41.190	23.440	29.060	94.160	20.540	94.370	0.000	121.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	76.104%	-0.234	-0.207	77.748%	-0.006	-0.007	0.059	0.019
2	21:13:40	76.589%	-0.235	-0.250	78.385%	0.003	-0.007	0.012	-0.041
3	21:14:22	77.292%	-0.208	-0.192	78.929%	0.008	0.003	0.061	-0.076
x		76.661%	-0.225	-0.216	78.354%	0.002	-0.003	0.044	-0.033
σ		0.598%	0.015	0.030	0.591%	0.007	0.006	0.028	0.048
%RSD		0.779	6.804	13.990	0.754	452.800	173.600	62.370	146.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	78.866%	1.797	-0.006	-0.026	-0.090	-0.049	81.007%	81.417%
2	21:13:40	79.300%	1.272	0.004	-0.012	-0.090	0.032	81.355%	83.198%
3	21:14:22	80.004%	1.259	-0.007	-0.026	-0.036	0.079	82.567%	83.488%
x		79.390%	1.443	-0.003	-0.021	-0.072	0.021	81.643%	82.701%
σ		0.574%	0.307	0.006	0.008	0.031	0.065	0.819%	1.121%
%RSD		0.723	21.290	202.700	37.270	43.570	313.700	1.003	1.356

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:58	0.006	0.014	-0.011	0.009	0.002	81.192%
2	21:13:40	0.005	0.018	-0.012	-0.017	-0.009	82.703%
3	21:14:22	0.005	0.010	-0.001	-0.000	0.003	83.424%
x		0.005	0.014	-0.008	-0.003	-0.001	82.440%
σ		0.000	0.004	0.006	0.013	0.006	1.139%
%RSD		6.889	27.460	77.970	475.900	550.200	1.382

LCS 180-58565/2-A 12/29/2012 9:16:32 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	80.823%	50.100	928.300	909.800	0.000	45800.000	40220.000	40270.000
2	21:17:55	82.144%	47.930	920.600	912.500	0.000	45410.000	40370.000	40730.000
3	21:18:37	83.637%	49.490	943.100	918.600	0.000	45330.000	40610.000	41010.000
x		82.201%	49.170	930.700	913.600	0.000	45510.000	40400.000	40670.000
σ		1.408%	1.117	11.400	4.520	0.000	252.800	200.100	372.200
%RSD		1.713	2.271	1.225	0.495	0.000	0.555	0.495	0.915

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	1789.000	9236.000	0.000	46880.000	47390.000	46400.000	75.729%	961.000
2	21:17:55	1816.000	9298.000	0.000	46570.000	48090.000	46930.000	77.391%	956.600
3	21:18:37	1821.000	9414.000	0.000	46380.000	47820.000	47600.000	78.141%	960.100
x		1809.000	9316.000	0.000	46610.000	47760.000	46970.000	77.087%	959.200
σ		16.950	90.110	0.000	250.200	355.300	600.700	1.235%	2.307
%RSD		0.937	0.967	0.000	0.537	0.744	1.279	1.602	0.241

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	486.000	192.400	475.200	802.600	1066.000	482.000	489.400	242.100
2	21:17:55	484.500	192.200	478.700	807.500	1066.000	487.400	489.300	245.100
3	21:18:37	492.600	196.700	484.900	817.000	1047.000	488.100	501.500	247.000
x		487.700	193.800	479.600	809.000	1060.000	485.900	493.400	244.700
σ		4.356	2.525	4.918	7.324	11.180	3.314	6.991	2.463
%RSD		0.893	1.303	1.025	0.905	1.055	0.682	1.417	1.006

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	243.700	471.900	480.800	37.520	10.810	8.496	0.000	948.100
2	21:17:55	243.900	480.300	486.800	37.060	8.640	6.816	0.000	943.300
3	21:18:37	245.700	483.800	491.500	35.880	9.831	8.670	0.000	956.800
x		244.400	478.700	486.300	36.820	9.761	7.994	0.000	949.400
σ		1.090	6.102	5.330	0.845	1.087	1.024	0.000	6.833
%RSD		0.446	1.275	1.096	2.294	11.140	12.810	0.000	0.720

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	76.273%	980.900	983.500	75.441%	47.900	48.020	46.540	39.280
2	21:17:55	79.695%	987.300	996.900	78.209%	48.890	48.530	49.170	41.500
3	21:18:37	79.805%	997.300	996.400	79.560%	49.230	47.830	47.390	40.400
x		78.591%	988.500	992.300	77.737%	48.670	48.130	47.700	40.390
σ		2.008%	8.254	7.568	2.100%	0.691	0.358	1.343	1.109
%RSD		2.555	0.835	0.763	2.701	1.419	0.744	2.816	2.745

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	78.704%	1947.000	467.200	467.100	1894.000	1910.000	83.993%	85.002%
2	21:17:55	80.603%	1981.000	483.900	481.100	1903.000	1916.000	87.780%	88.628%
3	21:18:37	82.763%	1964.000	479.200	479.800	1888.000	1908.000	88.849%	89.873%
x		80.690%	1964.000	476.800	476.000	1895.000	1911.000	86.874%	87.834%
σ		2.031%	17.440	8.629	7.715	7.630	4.360	2.552%	2.530%
%RSD		2.517	0.888	1.810	1.621	0.403	0.228	2.937	2.881

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:14	48.860	48.110	19.410	19.670	19.480	84.727%
2	21:17:55	49.540	48.860	19.950	19.960	19.920	87.322%
3	21:18:37	49.720	49.480	19.940	19.850	20.120	88.409%
x		49.370	48.810	19.770	19.830	19.840	86.819%
σ		0.453	0.688	0.309	0.144	0.324	1.892%
%RSD		0.918	1.409	1.562	0.724	1.631	2.179

180-17219-A-1-A 12/29/2012 9:20:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	83.091%	0.006	123.000	131.600	0.000	80720.000	42800.000	48620.000
2	21:22:11	85.017%	0.005	133.700	128.700	0.000	79770.000	42590.000	42880.000
3	21:22:53	84.361%	-0.031	130.500	131.400	0.000	80220.000	42680.000	43140.000
x		84.156%	-0.006	129.100	130.600	0.000	80240.000	42690.000	44880.000
σ		0.979%	0.021	5.512	1.661	0.000	476.800	105.800	3244.000
%RSD		1.164	328.100	4.270	1.272	0.000	0.594	0.248	7.227

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	25.790	4565.000	0.000	4926.000	66430.000	64970.000	78.262%	2.499
2	21:22:11	23.180	4552.000	0.000	4963.000	66570.000	65060.000	78.660%	1.496
3	21:22:53	24.110	4567.000	0.000	4954.000	65040.000	65050.000	78.931%	1.161
x		24.360	4561.000	0.000	4947.000	66010.000	65030.000	78.617%	1.718
σ		1.323	8.079	0.000	19.290	845.200	47.480	0.336%	0.696
%RSD		5.430	0.177	0.000	0.390	1.280	0.073	0.428	40.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	-0.025	1.798	336.600	52.500	160.700	0.471	1.594	1.377
2	21:22:11	0.093	1.686	334.800	52.120	152.200	0.434	2.380	1.047
3	21:22:53	-0.096	1.743	338.100	51.400	154.100	0.427	1.987	1.214
x		-0.009	1.742	336.500	52.010	155.700	0.444	1.987	1.213
σ		0.096	0.056	1.633	0.556	4.459	0.024	0.393	0.165
%RSD		1035.000	3.232	0.485	1.070	2.864	5.310	19.780	13.610

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	0.852	5.823	5.496	1.131	3.679	6.109	0.000	373.400
2	21:22:11	0.995	5.648	5.522	-0.193	3.351	3.766	0.000	376.700
3	21:22:53	1.092	5.263	6.340	-0.130	4.845	5.265	0.000	377.100
x		0.980	5.578	5.786	0.270	3.958	5.046	0.000	375.700
σ		0.121	0.287	0.480	0.747	0.785	1.187	0.000	2.043
%RSD		12.340	5.135	8.296	277.000	19.840	23.520	0.000	0.544

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	79.475%	6.188	6.266	77.726%	0.003	0.009	-0.020	-0.076
2	21:22:11	80.486%	2.817	3.098	78.870%	0.003	0.024	0.051	-0.058
3	21:22:53	81.571%	2.095	1.973	79.216%	0.018	0.003	-0.068	-0.060
x		80.510%	3.700	3.779	78.604%	0.008	0.012	-0.012	-0.065
σ		1.048%	2.185	2.226	0.780%	0.008	0.011	0.060	0.010
%RSD		1.302	59.050	58.900	0.992	103.000	89.190	486.800	15.760

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	80.623%	11.590	8.089	8.074	162.000	162.000	85.302%	86.833%
2	21:22:11	81.862%	6.962	5.247	5.191	163.200	161.700	87.610%	89.108%
3	21:22:53	82.485%	5.285	3.224	3.175	163.800	164.000	88.301%	89.762%
x		81.657%	7.945	5.520	5.480	163.000	162.600	87.071%	88.568%
σ		0.948%	3.265	2.444	2.463	0.939	1.226	1.571%	1.537%
%RSD		1.160	41.090	44.270	44.930	0.576	0.754	1.804	1.736

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:29	0.045	0.037	0.090	0.051	0.083	86.395%
2	21:22:11	0.052	0.037	0.033	0.081	0.065	87.700%
3	21:22:53	0.046	0.030	0.057	0.050	0.065	87.652%
x		0.048	0.035	0.060	0.061	0.071	87.249%
σ		0.004	0.004	0.029	0.018	0.010	0.740%
%RSD		8.164	12.430	48.090	29.490	14.790	0.848

180-17219-A-2-A 12/29/2012 9:25:04 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	80.964%	0.045	83.620	83.770	0.000	106400.000	15290.000	15310.000
2	21:26:27	82.249%	0.006	86.600	81.470	0.000	105500.000	15260.000	15270.000
3	21:27:08	82.717%	0.043	82.660	87.050	0.000	106200.000	15410.000	15530.000
x		81.977%	0.031	84.290	84.100	0.000	106000.000	15320.000	15370.000
σ		0.907%	0.022	2.059	2.805	0.000	455.100	78.480	137.400
%RSD		1.107	68.890	2.442	3.335	0.000	0.429	0.512	0.894

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	118.100	7063.000	0.000	1676.000	26940.000	26630.000	76.041%	4.346
2	21:26:27	115.500	7039.000	0.000	1664.000	26990.000	26370.000	78.341%	4.349
3	21:27:08	115.200	7086.000	0.000	1685.000	27880.000	26750.000	78.589%	4.333
x		116.300	7063.000	0.000	1675.000	27270.000	26580.000	77.657%	4.343
σ		1.605	23.900	0.000	10.900	530.000	193.300	1.405%	0.008
%RSD		1.380	0.338	0.000	0.651	1.944	0.727	1.809	0.195

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	0.279	0.138	179.700	11030.000	10890.000	0.308	0.734	1.569
2	21:26:27	0.276	0.152	178.600	10830.000	10860.000	0.323	0.334	1.642
3	21:27:08	0.086	0.097	181.400	10890.000	10920.000	0.313	0.431	1.386
x		0.214	0.129	179.900	10920.000	10890.000	0.315	0.500	1.532
σ		0.110	0.029	1.388	102.900	30.020	0.008	0.209	0.132
%RSD		51.720	22.420	0.772	0.942	0.276	2.487	41.730	8.589

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	1.594	4.591	4.712	1.081	-0.972	-1.852	0.000	179.100
2	21:26:27	1.216	4.259	4.561	1.562	-1.421	-0.357	0.000	180.000
3	21:27:08	1.637	5.135	5.035	1.231	-1.693	-0.267	0.000	182.000
x		1.482	4.662	4.769	1.291	-1.362	-0.825	0.000	180.300
σ		0.232	0.442	0.242	0.246	0.364	0.890	0.000	1.467
%RSD		15.640	9.480	5.077	19.070	26.740	107.900	0.000	0.813

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	78.439%	0.830	0.720	76.651%	0.033	0.014	-0.034	-0.078
2	21:26:27	80.434%	0.774	0.544	78.685%	0.018	0.024	0.077	-0.070
3	21:27:08	81.505%	0.466	0.802	79.854%	0.013	0.013	-0.011	-0.084
x		80.126%	0.690	0.689	78.397%	0.021	0.017	0.011	-0.078
σ		1.556%	0.196	0.132	1.621%	0.011	0.006	0.059	0.007
%RSD		1.942	28.360	19.100	2.068	50.930	34.100	538.800	9.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	79.835%	3.319	1.334	1.222	52.920	56.100	84.111%	85.787%
2	21:26:27	82.421%	2.646	1.019	1.036	53.590	52.400	87.789%	89.555%
3	21:27:08	83.336%	2.358	0.820	0.790	54.830	56.510	89.156%	90.354%
x		81.864%	2.774	1.057	1.016	53.780	55.000	87.018%	88.565%
σ		1.816%	0.493	0.259	0.217	0.968	2.265	2.609%	2.439%
%RSD		2.218	17.780	24.490	21.310	1.799	4.119	2.998	2.754

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:45	0.010	0.023	0.362	0.415	0.411	85.627%
2	21:26:27	0.029	0.022	0.353	0.441	0.419	88.366%
3	21:27:08	0.004	0.020	0.412	0.433	0.409	88.287%
x		0.014	0.022	0.376	0.429	0.413	87.427%
σ		0.013	0.001	0.032	0.013	0.005	1.559%
%RSD		92.130	6.373	8.431	3.017	1.293	1.783

CCV 664806 12/29/2012 9:32:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	83.111%	99.620	96.840	94.830	0.000	47150.000	41280.000	41460.000
2	21:33:37	82.933%	98.890	95.100	96.040	0.000	47170.000	41690.000	42120.000
3	21:34:19	83.854%	100.600	95.400	95.130	0.000	47160.000	42260.000	42220.000
x		83.299%	99.706%	95.782%	95.334%	0.000	94.318%	83.480%	83.867%
σ		0.489%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.586	0.858	0.973	0.659	0.000	0.021	1.179	0.975

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	464.800	4846.000	0.000	48120.000	48130.000	47260.000	80.370%	98.860
2	21:33:37	466.400	4886.000	0.000	47850.000	48710.000	47620.000	81.999%	103.500
3	21:34:19	468.000	4871.000	0.000	47760.000	48040.000	47900.000	82.559%	99.010
x		93.282%	97.355%	0.000	95.823%	96.585%	95.188%	81.643%	100.448%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.137%	n/a
%RSD		0.352	0.423	0.000	0.391	0.747	0.673	1.392	2.611

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	96.540	98.150	478.000	24490.000	24100.000	98.130	103.100	101.500
2	21:33:37	98.080	97.770	482.000	24090.000	24230.000	98.180	100.100	98.960
3	21:34:19	99.370	98.370	486.300	24040.000	24320.000	99.740	99.940	101.800
x		97.996%	98.097%	96.417%	96.819%	96.866%	98.685%	101.054%	100.742%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.445	0.313	0.854	1.041	0.463	0.927	1.756	1.537

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	102.700	102.600	100.200	101.100	91.590	101.000	0.000	97.470
2	21:33:37	101.200	99.400	99.930	95.970	99.030	97.800	0.000	96.430
3	21:34:19	99.560	101.000	100.900	97.580	94.790	95.220	0.000	96.240
x		101.153%	101.027%	100.350%	98.216%	95.136%	98.014%	0.000	96.711%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.530	1.601	0.527	2.670	3.926	2.961	0.000	0.686

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	80.392%	96.880	98.160	79.515%	96.570	97.060	92.430	95.720
2	21:33:37	83.268%	99.350	100.500	82.174%	97.780	99.500	98.570	98.090
3	21:34:19	84.799%	102.200	102.100	83.618%	98.030	98.790	97.280	96.440
x		82.819%	99.467%	100.256%	81.769%	97.457%	98.448%	96.093%	96.751%
σ		2.238%	n/a	n/a	2.082%	n/a	n/a	n/a	n/a
%RSD		2.702	2.660	1.997	2.546	0.803	1.279	3.373	1.256

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	82.043%	97.800	96.830	97.400	98.950	97.700	86.326%	87.048%
2	21:33:37	84.551%	98.380	99.750	98.550	99.600	94.810	88.164%	90.288%
3	21:34:19	85.926%	98.480	100.600	99.460	101.000	97.280	91.696%	92.841%
x		84.173%	98.218%	99.047%	98.471%	99.835%	96.598%	88.729%	90.059%
σ		1.969%	n/a	n/a	n/a	n/a	n/a	2.729%	2.903%
%RSD		2.339	0.371	1.985	1.046	1.027	1.615	3.076	3.224

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:55	97.110	97.170	97.880	98.030	98.120	85.163%
2	21:33:37	99.070	98.580	99.780	100.400	99.870	88.295%
3	21:34:19	99.110	99.240	98.330	100.600	99.480	90.191%
x		98.431%	98.331%	98.664%	99.675%	99.157%	87.883%
σ		n/a	n/a	n/a	n/a	n/a	2.539%
%RSD		1.163	1.074	1.005	1.439	0.926	2.889

CCB6 12/29/2012 9:39:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	86.141%	0.005	1.921	2.175	0.000	-22.060	20.140	21.750
2	21:40:50	87.487%	0.039	1.754	2.332	0.000	12.270	36.590	40.150
3	21:41:32	86.281%	0.005	2.941	2.222	0.000	-7.703	32.570	35.060
x		86.636%	0.016	2.206	2.243	0.000	-5.828	29.760	32.320
σ		0.740%	0.020	0.643	0.081	0.000	17.240	8.576	9.498
%RSD		0.854	122.700	29.140	3.594	0.000	295.800	28.810	29.390
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	-1.203	4.935	0.000	14.570	51.050	48.280	83.155%	0.038
2	21:40:50	0.717	4.928	0.000	29.420	72.550	77.790	83.215%	0.537
3	21:41:32	0.529	4.465	0.000	17.000	78.200	69.250	82.988%	0.226
x		0.014	4.776	0.000	20.330	67.270	65.110	83.120%	0.267
σ		1.059	0.270	0.000	7.967	14.330	15.190	0.118%	0.252
%RSD		7426.000	5.643	0.000	39.180	21.300	23.330	0.141	94.530
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	0.029	-0.001	0.297	22.590	26.600	0.050	0.052	0.330
2	21:40:50	0.092	0.103	0.676	25.840	30.640	0.097	0.279	0.528
3	21:41:32	0.077	0.034	0.529	22.060	29.740	0.105	0.156	0.361
x		0.066	0.046	0.501	23.500	28.990	0.084	0.162	0.406
σ		0.033	0.053	0.191	2.046	2.122	0.030	0.114	0.106
%RSD		49.900	115.900	38.110	8.707	7.318	35.490	70.030	26.180
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	0.336	0.486	0.601	-0.369	-0.697	-1.312	0.000	0.465
2	21:40:50	0.396	0.482	0.640	-0.087	-0.013	-0.818	0.000	0.961
3	21:41:32	0.420	0.326	1.067	-0.314	-0.454	-0.490	0.000	0.781
x		0.384	0.431	0.770	-0.257	-0.388	-0.873	0.000	0.736
σ		0.043	0.091	0.259	0.150	0.347	0.414	0.000	0.251
%RSD		11.320	21.210	33.640	58.290	89.420	47.390	0.000	34.100
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	83.004%	0.415	0.428	84.295%	0.062	0.047	0.108	0.022
2	21:40:50	83.621%	0.395	0.390	85.246%	0.057	0.066	0.160	0.008
3	21:41:32	82.853%	0.336	0.269	84.928%	0.034	0.057	0.109	0.023
x		83.159%	0.382	0.363	84.823%	0.051	0.057	0.126	0.018
σ		0.407%	0.041	0.083	0.484%	0.015	0.009	0.030	0.008
%RSD		0.489	10.710	22.910	0.571	28.940	16.430	23.660	45.910
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:08	83.516%	1.897	0.241	0.202	0.171	0.150	85.477%	86.410%
2	21:40:50	85.218%	1.895	0.271	0.255	0.476	0.239	86.296%	87.390%
3	21:41:32	84.878%	1.857	0.226	0.294	0.294	0.450	87.169%	87.216%
x		84.537%	1.883	0.246	0.250	0.313	0.280	86.314%	87.005%
σ		0.901%	0.022	0.023	0.046	0.153	0.154	0.846%	0.523%
%RSD		1.066	1.181	9.171	18.490	48.920	54.990	0.981	0.601
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:40:08	0.049	0.068	0.053	0.049	0.060	88.786%		
2	21:40:50	0.088	0.089	0.080	0.060	0.077	89.236%		
3	21:41:32	0.082	0.069	0.056	0.056	0.050	89.319%		
x		0.073	0.075	0.063	0.055	0.062	89.114%		
σ		0.021	0.012	0.015	0.006	0.013	0.287%		
%RSD		28.840	15.980	23.570	10.350	21.530	0.322		

180-17219-A-3-A 12/29/2012 9:43:45 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	84.630%	-0.031	46.630	46.090	0.000	34690.000	14930.000	14960.000
2	21:45:08	86.369%	-0.031	46.460	48.410	0.000	34220.000	14940.000	14990.000
3	21:45:50	84.984%	-0.031	49.990	48.340	0.000	34570.000	15150.000	15220.000
x		85.328%	-0.031	47.690	47.610	0.000	34490.000	15010.000	15050.000
σ		0.919%	0.000	1.987	1.322	0.000	245.600	127.300	142.300
%RSD		1.077	0.000	4.167	2.777	0.000	0.712	0.848	0.946

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.376	5069.000	0.000	2424.000	19790.000	19090.000	80.864%	2.224
2	21:45:08	0.669	5050.000	0.000	2438.000	19410.000	19120.000	82.175%	1.492
3	21:45:50	0.591	5115.000	0.000	2470.000	19670.000	19440.000	82.537%	1.736
x		0.546	5078.000	0.000	2444.000	19620.000	19220.000	81.859%	1.817
σ		0.152	33.530	0.000	23.570	194.400	192.000	0.880%	0.373
%RSD		27.810	0.660	0.000	0.965	0.991	0.999	1.075	20.510

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	-0.007	-0.199	39.050	10390.000	9937.000	0.483	0.531	0.974
2	21:45:08	-0.065	-0.135	38.940	10250.000	10010.000	0.498	0.480	0.778
3	21:45:50	-0.114	-0.178	39.640	10290.000	10090.000	0.524	0.475	0.794
x		-0.062	-0.171	39.210	10310.000	10010.000	0.502	0.495	0.848
σ		0.053	0.032	0.374	71.240	77.120	0.020	0.031	0.109
%RSD		86.090	19.010	0.954	0.691	0.770	4.077	6.287	12.810

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.966	14.580	13.840	12.170	-1.355	-1.463	0.000	118.600
2	21:45:08	0.798	15.480	16.250	11.970	-1.762	0.481	0.000	118.900
3	21:45:50	0.960	13.960	14.020	12.750	-1.064	-0.525	0.000	122.100
x		0.908	14.670	14.700	12.300	-1.394	-0.502	0.000	119.900
σ		0.096	0.761	1.344	0.401	0.350	0.972	0.000	1.965
%RSD		10.520	5.186	9.142	3.264	25.140	193.600	0.000	1.639

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	81.775%	0.433	0.627	81.219%	-0.002	0.003	0.087	0.102
2	21:45:08	83.443%	0.507	0.520	83.165%	-0.006	0.003	0.095	0.000
3	21:45:50	83.675%	0.540	0.529	84.071%	0.012	0.003	0.205	0.164
x		82.964%	0.493	0.559	82.818%	0.001	0.003	0.129	0.088
σ		1.037%	0.055	0.060	1.457%	0.009	0.000	0.066	0.083
%RSD		1.250	11.150	10.650	1.759	813.600	6.709	50.920	93.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	82.257%	1.590	0.234	0.251	58.950	60.170	85.014%	86.720%
2	21:45:08	85.156%	1.368	0.270	0.152	59.710	58.820	88.917%	89.643%
3	21:45:50	85.808%	1.779	0.189	0.226	59.620	59.150	89.616%	90.668%
x		84.407%	1.579	0.231	0.210	59.430	59.380	87.849%	89.011%
σ		1.890%	0.206	0.041	0.052	0.417	0.705	2.480%	2.049%
%RSD		2.239	13.030	17.560	24.620	0.701	1.187	2.823	2.302

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:26	0.009	0.012	0.907	0.937	0.934	90.783%
2	21:45:08	0.019	0.030	0.878	1.008	0.904	91.842%
3	21:45:50	0.019	0.022	0.976	0.968	0.915	91.346%
x		0.016	0.022	0.921	0.971	0.918	91.323%
σ		0.006	0.009	0.050	0.036	0.015	0.530%
%RSD		38.770	40.350	5.436	3.664	1.646	0.580

180-17219-A-4-A 12/29/2012 9:48:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	85.656%	0.005	50.850	47.300	0.000	35190.000	15160.000	15280.000
2	21:49:24	85.587%	-0.031	48.160	50.610	0.000	35100.000	15450.000	15390.000
3	21:50:06	84.839%	-0.031	49.200	50.680	0.000	35120.000	15540.000	15500.000
x		85.361%	-0.019	49.400	49.530	0.000	35140.000	15390.000	15390.000
σ		0.453%	0.021	1.360	1.932	0.000	42.750	197.500	110.000
%RSD		0.531	109.200	2.753	3.901	0.000	0.122	1.284	0.715
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	-1.137	5190.000	0.000	2464.000	19770.000	19360.000	83.497%	2.152
2	21:49:24	-1.031	5242.000	0.000	2492.000	20380.000	19560.000	83.960%	1.768
3	21:50:06	-1.465	5236.000	0.000	2489.000	19890.000	19540.000	83.902%	1.646
x		-1.211	5223.000	0.000	2482.000	20010.000	19490.000	83.786%	1.855
σ		0.226	28.800	0.000	15.020	321.900	112.600	0.252%	0.264
%RSD		18.700	0.551	0.000	0.605	1.608	0.578	0.301	14.250
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	-0.117	-0.102	40.240	10560.000	10150.000	0.470	0.820	0.839
2	21:49:24	-0.044	-0.124	40.420	10530.000	10260.000	0.500	0.458	0.699
3	21:50:06	-0.054	-0.131	40.450	10470.000	10260.000	0.540	0.423	0.592
x		-0.072	-0.119	40.370	10520.000	10220.000	0.504	0.567	0.710
σ		0.040	0.015	0.117	47.310	65.130	0.035	0.220	0.124
%RSD		55.440	12.930	0.289	0.450	0.637	7.043	38.820	17.510
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	0.832	14.230	13.600	12.870	0.005	-0.982	0.000	121.300
2	21:49:24	0.677	13.940	12.860	12.190	-0.978	-1.369	0.000	120.800
3	21:50:06	1.009	13.770	15.130	13.020	-0.500	-0.194	0.000	122.900
x		0.840	13.980	13.860	12.690	-0.491	-0.849	0.000	121.600
σ		0.166	0.230	1.157	0.445	0.492	0.599	0.000	1.070
%RSD		19.770	1.646	8.345	3.503	100.100	70.560	0.000	0.879
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	83.047%	0.420	0.667	82.772%	0.007	0.003	0.230	0.226
2	21:49:24	84.325%	0.536	0.503	84.131%	0.003	-0.002	0.249	0.150
3	21:50:06	83.940%	0.498	0.478	84.608%	-0.002	-0.007	0.208	0.146
x		83.771%	0.485	0.549	83.837%	0.003	-0.002	0.229	0.174
σ		0.656%	0.059	0.102	0.953%	0.005	0.005	0.021	0.045
%RSD		0.783	12.190	18.640	1.137	173.000	250.700	9.058	25.940
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:42	83.451%	2.387	0.195	0.181	59.420	61.050	87.925%	88.391%
2	21:49:24	85.149%	3.196	0.205	0.203	60.310	60.700	88.690%	90.654%
3	21:50:06	85.434%	2.513	0.165	0.158	60.000	60.270	89.336%	90.957%
x		84.678%	2.699	0.188	0.181	59.910	60.670	88.651%	90.001%
σ		1.072%	0.435	0.021	0.023	0.454	0.391	0.706%	1.402%
%RSD		1.266	16.130	11.090	12.560	0.759	0.644	0.797	1.558
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:48:42	0.018	0.013	0.787	0.768	0.809	88.551%		
2	21:49:24	-0.005	0.018	0.857	0.854	0.860	90.112%		
3	21:50:06	0.000	0.014	0.860	0.923	0.882	90.132%		
x		0.004	0.015	0.834	0.848	0.850	89.598%		
σ		0.012	0.003	0.041	0.077	0.037	0.907%		
%RSD		277.900	18.490	4.957	9.129	4.370	1.012		

180-17219-A-5-A 12/29/2012 9:52:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	84.352%	0.005	39.720	42.520	0.000	46380.000	21080.000	21140.000
2	21:53:41	84.146%	-0.031	42.990	44.060	0.000	46090.000	21220.000	21160.000
3	21:54:23	86.084%	0.005	43.380	43.380	0.000	45770.000	21140.000	21180.000
x		84.861%	-0.007	42.030	43.320	0.000	46080.000	21150.000	21160.000
σ		1.065%	0.021	2.012	0.775	0.000	309.400	67.870	22.270
%RSD		1.254	301.900	4.788	1.789	0.000	0.671	0.321	0.105

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	25.130	11510.000	0.000	1028.000	30180.000	29480.000	83.022%	2.038
2	21:53:41	26.520	11510.000	0.000	1019.000	30650.000	29270.000	84.677%	1.813
3	21:54:23	25.560	11530.000	0.000	1028.000	30190.000	29700.000	84.619%	2.181
x		25.730	11520.000	0.000	1025.000	30340.000	29490.000	84.106%	2.011
σ		0.710	8.818	0.000	5.262	266.900	216.000	0.939%	0.186
%RSD		2.759	0.077	0.000	0.513	0.880	0.733	1.116	9.227

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	0.071	-0.085	684.300	23620.000	23190.000	0.964	0.086	1.158
2	21:53:41	0.208	-0.040	683.700	23130.000	23010.000	0.872	0.276	1.177
3	21:54:23	0.135	-0.103	688.800	23170.000	23200.000	0.773	0.259	1.219
x		0.138	-0.076	685.600	23300.000	23130.000	0.870	0.207	1.185
σ		0.069	0.032	2.775	271.000	105.500	0.096	0.105	0.031
%RSD		49.800	42.360	0.405	1.163	0.456	11.020	50.930	2.610

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	0.975	5.494	5.553	50.940	0.209	-0.691	0.000	246.600
2	21:53:41	1.234	5.357	6.030	49.920	-1.710	-0.313	0.000	245.800
3	21:54:23	1.186	6.421	6.513	51.820	0.313	-0.778	0.000	247.300
x		1.132	5.758	6.032	50.890	-0.396	-0.594	0.000	246.600
σ		0.138	0.579	0.480	0.948	1.139	0.247	0.000	0.719
%RSD		12.200	10.060	7.954	1.864	287.800	41.660	0.000	0.292

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	84.014%	0.312	0.409	83.032%	0.007	-0.002	0.075	0.003
2	21:53:41	85.637%	0.399	0.369	85.145%	-0.002	-0.002	0.049	-0.008
3	21:54:23	86.772%	0.465	0.500	85.908%	0.016	0.003	-0.044	-0.064
x		85.474%	0.392	0.426	84.695%	0.007	-0.001	0.027	-0.023
σ		1.386%	0.077	0.067	1.490%	0.009	0.003	0.062	0.036
%RSD		1.622	19.650	15.690	1.759	126.000	510.900	232.600	155.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	83.881%	1.356	0.163	0.148	79.010	78.280	87.780%	89.645%
2	21:53:41	87.891%	0.904	0.160	0.128	74.080	75.230	91.737%	92.061%
3	21:54:23	88.466%	0.729	0.145	0.139	75.780	78.840	91.614%	93.492%
x		86.746%	0.996	0.156	0.138	76.290	77.450	90.377%	91.733%
σ		2.498%	0.323	0.010	0.010	2.504	1.944	2.250%	1.945%
%RSD		2.879	32.470	6.449	7.429	3.282	2.511	2.489	2.120

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:59	-0.002	0.014	0.272	0.333	0.293	88.875%
2	21:53:41	0.005	0.007	0.273	0.341	0.317	91.612%
3	21:54:23	0.008	0.006	0.296	0.314	0.321	92.774%
x		0.004	0.009	0.280	0.329	0.310	91.087%
σ		0.005	0.004	0.013	0.014	0.015	2.002%
%RSD		140.300	50.240	4.753	4.202	4.874	2.198

180-17219-A-6-A 12/29/2012 9:56:35 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	83.697%	-0.031	32.530	31.560	0.000	3513.000	3178.000	3174.000
2	21:57:59	83.326%	-0.031	29.940	31.430	0.000	3047.000	3187.000	3179.000
3	21:58:40	82.418%	0.006	32.280	34.220	0.000	3065.000	3166.000	3159.000
x		83.147%	-0.018	31.580	32.400	0.000	3208.000	3177.000	3171.000
σ		0.658%	0.021	1.430	1.574	0.000	264.000	10.490	10.410
%RSD		0.791	116.400	4.528	4.857	0.000	8.228	0.330	0.328

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	2.854	2720.000	0.000	4239.000	23990.000	23310.000	82.429%	1.173
2	21:57:59	1.881	2715.000	0.000	4229.000	23410.000	23350.000	81.274%	0.743
3	21:58:40	2.391	2713.000	0.000	4231.000	24040.000	23300.000	80.623%	0.428
x		2.375	2716.000	0.000	4233.000	23810.000	23320.000	81.442%	0.781
σ		0.486	3.688	0.000	5.418	352.600	23.770	0.915%	0.374
%RSD		20.480	0.136	0.000	0.128	1.481	0.102	1.123	47.880

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	1.494	0.131	40.090	148.800	222.000	0.491	0.229	2.746
2	21:57:59	1.186	0.037	39.590	117.700	187.300	0.633	0.304	2.336
3	21:58:40	1.534	0.148	39.850	115.200	186.700	0.561	0.408	2.579
x		1.405	0.105	39.850	127.200	198.600	0.561	0.314	2.554
σ		0.190	0.060	0.251	18.710	20.220	0.071	0.090	0.206
%RSD		13.540	56.820	0.630	14.710	10.180	12.630	28.640	8.071

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	2.100	6.452	7.013	2.550	-0.557	0.479	0.000	151.800
2	21:57:59	2.798	6.560	6.503	2.521	0.060	1.175	0.000	151.500
3	21:58:40	2.689	6.696	6.780	2.369	-0.640	-0.503	0.000	151.400
x		2.529	6.569	6.765	2.480	-0.379	0.384	0.000	151.600
σ		0.375	0.122	0.255	0.098	0.383	0.843	0.000	0.197
%RSD		14.850	1.861	3.775	3.938	101.000	219.700	0.000	0.130

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	82.558%	4.315	3.886	83.503%	-0.002	-0.007	-0.116	-0.155
2	21:57:59	82.327%	4.143	4.364	82.858%	-0.002	-0.007	-0.031	-0.003
3	21:58:40	82.040%	4.347	4.509	82.341%	-0.002	-0.007	0.019	-0.019
x		82.308%	4.268	4.253	82.901%	-0.002	-0.007	-0.042	-0.059
σ		0.260%	0.110	0.326	0.582%	0.000	0.000	0.068	0.083
%RSD		0.316	2.571	7.662	0.703	1.454	0.000	160.600	140.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	84.584%	1.930	0.945	0.961	13.590	13.630	88.271%	88.560%
2	21:57:59	84.087%	2.211	1.034	0.945	13.300	13.090	88.999%	88.736%
3	21:58:40	84.022%	1.909	1.101	0.954	13.760	13.800	88.010%	88.824%
x		84.231%	2.016	1.027	0.954	13.550	13.500	88.427%	88.707%
σ		0.308%	0.169	0.079	0.008	0.232	0.372	0.513%	0.134%
%RSD		0.365	8.383	7.647	0.835	1.709	2.756	0.580	0.151

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:17	0.006	0.018	0.281	0.262	0.286	90.402%
2	21:57:59	0.017	0.019	0.264	0.258	0.267	90.390%
3	21:58:40	0.000	0.015	0.259	0.256	0.280	89.851%
x		0.008	0.017	0.268	0.259	0.278	90.214%
σ		0.008	0.002	0.012	0.003	0.009	0.315%
%RSD		107.900	12.820	4.309	1.185	3.417	0.349

180-17219-A-6-A SD@5 12/29/2012 10:00:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	79.161%	-0.031	7.470	8.543	0.000	599.800	642.000	653.900
2	22:02:17	81.915%	-0.031	8.978	7.637	0.000	571.900	645.600	636.700
3	22:02:58	81.276%	-0.031	6.604	7.758	0.000	559.200	641.400	636.300
x		80.784%	-0.031	7.684	7.980	0.000	577.000	643.000	642.300
σ		1.441%	0.000	1.201	0.492	0.000	20.750	2.259	10.050
%RSD		1.784	0.000	15.640	6.163	0.000	3.596	0.351	1.565

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	-0.234	539.500	0.000	835.500	4892.000	4623.000	77.222%	0.451
2	22:02:17	-1.338	538.900	0.000	833.300	5004.000	4647.000	76.687%	0.116
3	22:02:58	-2.528	535.200	0.000	831.900	4447.000	4619.000	76.103%	0.254
x		-1.366	537.900	0.000	833.600	4781.000	4630.000	76.671%	0.273
σ		1.147	2.344	0.000	1.808	294.600	15.430	0.560%	0.168
%RSD		83.970	0.436	0.000	0.217	6.162	0.333	0.730	61.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	0.254	-0.049	8.522	38.000	51.480	0.128	0.283	0.816
2	22:02:17	0.231	-0.015	8.380	31.430	44.960	0.107	0.104	0.879
3	22:02:58	0.355	0.012	8.520	27.900	45.140	0.112	0.132	0.680
x		0.280	-0.017	8.474	32.440	47.190	0.116	0.173	0.792
σ		0.066	0.031	0.081	5.128	3.711	0.011	0.096	0.102
%RSD		23.570	175.100	0.962	15.800	7.863	9.480	55.600	12.860

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	0.740	1.154	1.842	0.571	-0.572	0.144	0.000	31.650
2	22:02:17	1.028	1.473	1.587	0.365	-1.730	-0.158	0.000	30.710
3	22:02:58	0.946	1.583	1.026	0.833	-1.343	-0.057	0.000	30.320
x		0.905	1.403	1.485	0.590	-1.215	-0.024	0.000	30.890
σ		0.148	0.223	0.417	0.235	0.590	0.154	0.000	0.684
%RSD		16.400	15.850	28.100	39.790	48.520	648.300	0.000	2.213

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	77.397%	1.071	0.714	78.952%	0.003	0.009	-0.055	-0.117
2	22:02:17	78.361%	0.787	0.658	79.110%	0.013	-0.007	-0.153	-0.189
3	22:02:58	78.182%	0.750	0.704	78.664%	0.003	0.009	0.115	0.085
x		77.980%	0.870	0.692	78.909%	0.006	0.004	-0.031	-0.074
σ		0.513%	0.176	0.030	0.226%	0.006	0.009	0.136	0.142
%RSD		0.657	20.190	4.311	0.287	85.700	257.800	440.600	192.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	78.770%	0.926	0.293	0.228	3.222	2.978	83.150%	83.874%
2	22:02:17	81.117%	0.729	0.290	0.288	2.744	2.831	84.456%	84.568%
3	22:02:58	80.607%	0.702	0.234	0.162	2.543	2.734	84.171%	85.085%
x		80.165%	0.786	0.272	0.226	2.836	2.848	83.926%	84.509%
σ		1.234%	0.123	0.033	0.063	0.349	0.123	0.687%	0.607%
%RSD		1.540	15.620	12.190	27.830	12.290	4.303	0.818	0.719

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:35	-0.001	0.010	0.086	0.106	0.072	84.273%
2	22:02:17	0.010	0.008	0.077	0.044	0.065	85.597%
3	22:02:58	0.010	0.014	0.055	0.055	0.064	86.154%
x		0.006	0.011	0.073	0.068	0.067	85.341%
σ		0.007	0.003	0.016	0.033	0.004	0.966%
%RSD		100.300	27.320	21.780	48.780	6.579	1.132

180-17219-A-6-B MS 12/29/2012 10:05:12 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	81.123%	50.040	945.900	936.000	0.000	50120.000	44210.000	44620.000
2	22:06:35	82.071%	49.830	961.600	955.900	0.000	50250.000	44840.000	45270.000
3	22:07:17	81.524%	51.560	978.500	957.200	0.000	50400.000	45160.000	45360.000
x		81.573%	50.470	962.000	949.700	0.000	50260.000	44740.000	45080.000
σ		0.476%	0.944	16.300	11.880	0.000	138.300	481.400	406.300
%RSD		0.583	1.871	1.695	1.251	0.000	0.275	1.076	0.901

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	1847.000	12380.000	0.000	52620.000	70900.000	71470.000	77.999%	982.600
2	22:06:35	1873.000	12620.000	0.000	52610.000	73550.000	73120.000	78.235%	1005.000
3	22:07:17	1884.000	12640.000	0.000	52260.000	70770.000	72490.000	78.943%	986.300
x		1868.000	12550.000	0.000	52500.000	71740.000	72360.000	78.392%	991.300
σ		19.000	143.200	0.000	206.300	1568.000	831.800	0.491%	11.920
%RSD		1.017	1.141	0.000	0.393	2.186	1.149	0.626	1.202

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	494.400	195.200	530.800	975.700	1301.000	489.500	495.900	248.400
2	22:06:35	504.200	197.700	537.000	991.700	1299.000	497.000	502.100	254.500
3	22:07:17	503.300	199.100	536.600	991.000	1314.000	495.900	500.900	251.200
x		500.600	197.400	534.800	986.100	1305.000	494.200	499.600	251.400
σ		5.396	1.971	3.487	9.066	8.040	4.022	3.316	3.059
%RSD		1.078	0.999	0.652	0.919	0.616	0.814	0.664	1.217

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	246.200	487.800	490.700	41.500	10.740	9.919	0.000	1130.000
2	22:06:35	255.300	485.000	491.200	41.130	10.680	8.737	0.000	1135.000
3	22:07:17	250.300	491.100	498.300	42.260	6.133	8.174	0.000	1132.000
x		250.600	488.000	493.400	41.630	9.187	8.943	0.000	1132.000
σ		4.533	3.083	4.262	0.576	2.644	0.890	0.000	2.359
%RSD		1.809	0.632	0.864	1.384	28.780	9.954	0.000	0.208

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	76.868%	1015.000	1022.000	75.515%	49.460	49.550	47.830	39.900
2	22:06:35	78.966%	1024.000	1025.000	77.717%	48.920	49.770	48.250	43.070
3	22:07:17	79.463%	1028.000	1036.000	77.967%	50.440	50.010	49.480	41.820
x		78.432%	1022.000	1028.000	77.066%	49.610	49.780	48.520	41.600
σ		1.378%	6.665	7.663	1.349%	0.772	0.229	0.857	1.597
%RSD		1.756	0.652	0.746	1.751	1.557	0.459	1.766	3.840

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	78.779%	2015.000	487.100	484.700	1975.000	1987.000	84.280%	85.910%
2	22:06:35	80.860%	2029.000	493.800	494.900	1974.000	1969.000	86.857%	88.968%
3	22:07:17	81.409%	2029.000	494.600	493.500	1967.000	1984.000	87.471%	88.832%
x		80.349%	2024.000	491.800	491.000	1972.000	1980.000	86.203%	87.903%
σ		1.388%	7.820	4.106	5.511	4.079	9.308	1.693%	1.727%
%RSD		1.727	0.386	0.835	1.122	0.207	0.470	1.964	1.965

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:53	48.650	49.160	19.700	20.380	20.150	85.719%
2	22:06:35	50.520	49.440	20.300	20.420	20.410	87.574%
3	22:07:17	50.910	50.110	20.590	20.690	20.610	87.919%
x		50.030	49.570	20.200	20.500	20.390	87.071%
σ		1.207	0.487	0.451	0.172	0.232	1.183%
%RSD		2.412	0.982	2.233	0.841	1.137	1.359

180-17219-A-6-C MSD 12/29/2012 10:09:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	78.556%	52.030	961.400	957.300	0.000	50470.000	44730.000	44860.000
2	22:10:52	80.106%	47.620	948.200	948.200	0.000	49410.000	44320.000	44600.000
3	22:11:33	79.312%	47.430	970.200	959.800	0.000	50000.000	45010.000	45210.000
x		79.325%	49.030	959.900	955.100	0.000	49960.000	44690.000	44890.000
σ		0.775%	2.600	11.110	6.123	0.000	531.900	347.800	309.300
%RSD		0.978	5.304	1.157	0.641	0.000	1.065	0.778	0.689

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	1851.000	12440.000	0.000	52100.000	70370.000	70570.000	76.839%	974.800
2	22:10:52	1844.000	12380.000	0.000	51690.000	72190.000	71090.000	77.074%	981.700
3	22:11:33	1857.000	12430.000	0.000	51840.000	71400.000	71760.000	76.614%	989.800
x		1851.000	12420.000	0.000	51870.000	71320.000	71140.000	76.842%	982.100
σ		6.339	31.270	0.000	206.400	912.100	596.300	0.230%	7.512
%RSD		0.343	0.252	0.000	0.398	1.279	0.838	0.299	0.765

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	491.600	195.500	523.300	901.800	1220.000	486.600	488.000	245.900
2	22:10:52	490.100	195.100	519.800	903.300	1242.000	486.900	493.000	251.000
3	22:11:33	501.600	196.700	524.300	908.100	1214.000	487.200	496.300	246.800
x		494.400	195.700	522.500	904.400	1225.000	486.900	492.400	247.900
σ		6.278	0.823	2.347	3.299	15.110	0.314	4.203	2.753
%RSD		1.270	0.420	0.449	0.365	1.234	0.064	0.853	1.111

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	252.500	476.200	484.800	42.190	8.618	8.293	0.000	1094.000
2	22:10:52	251.000	485.600	485.300	39.850	8.607	10.100	0.000	1103.000
3	22:11:33	252.600	485.200	491.200	40.130	7.631	9.042	0.000	1107.000
x		252.000	482.300	487.100	40.720	8.285	9.143	0.000	1101.000
σ		0.912	5.291	3.539	1.276	0.566	0.906	0.000	6.430
%RSD		0.362	1.097	0.727	3.134	6.836	9.904	0.000	0.584

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	78.002%	1005.000	1018.000	75.396%	49.180	48.530	50.230	42.090
2	22:10:52	79.046%	1012.000	1023.000	76.775%	49.060	48.940	47.250	40.490
3	22:11:33	79.005%	1016.000	1024.000	76.977%	48.640	48.820	49.020	41.050
x		78.684%	1011.000	1021.000	76.382%	48.960	48.760	48.830	41.210
σ		0.591%	5.328	3.381	0.860%	0.281	0.210	1.497	0.812
%RSD		0.751	0.527	0.331	1.126	0.573	0.431	3.065	1.971

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	77.556%	2024.000	492.100	494.600	1959.000	1959.000	83.399%	85.567%
2	22:10:52	80.805%	2000.000	490.200	488.900	1907.000	1936.000	87.367%	88.407%
3	22:11:33	81.833%	1988.000	488.900	489.900	1941.000	1939.000	86.994%	88.649%
x		80.065%	2004.000	490.400	491.100	1936.000	1945.000	85.920%	87.541%
σ		2.232%	18.530	1.646	3.060	26.520	12.890	2.191%	1.714%
%RSD		2.788	0.925	0.336	0.623	1.370	0.663	2.550	1.958

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:10	49.820	49.450	20.400	20.020	20.310	84.271%
2	22:10:52	49.960	49.780	20.130	21.160	20.420	86.250%
3	22:11:33	50.480	49.630	20.730	20.480	20.580	86.674%
x		50.090	49.620	20.420	20.560	20.440	85.732%
σ		0.347	0.166	0.299	0.570	0.139	1.283%
%RSD		0.693	0.334	1.464	2.770	0.677	1.496

180-17219-A-7-A 12/29/2012 10:13:44 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	79.899%	-0.031	69.420	68.790	0.000	43050.000	18160.000	18200.000
2	22:15:07	81.181%	0.007	66.120	69.020	0.000	42770.000	18120.000	18220.000
3	22:15:48	80.186%	-0.031	65.220	66.880	0.000	43160.000	18510.000	18500.000
x		80.422%	-0.018	66.920	68.230	0.000	42990.000	18260.000	18310.000
σ		0.673%	0.022	2.213	1.177	0.000	200.300	216.100	169.200
%RSD		0.837	119.500	3.307	1.726	0.000	0.466	1.183	0.924

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	-1.225	10650.000	0.000	12750.000	93830.000	93040.000	77.255%	2.802
2	22:15:07	-2.262	10690.000	0.000	12700.000	92920.000	93180.000	78.597%	2.422
3	22:15:48	-2.186	10870.000	0.000	12800.000	94620.000	94040.000	78.650%	1.892
x		-1.891	10730.000	0.000	12750.000	93790.000	93420.000	78.167%	2.372
σ		0.578	119.100	0.000	52.970	846.100	542.400	0.790%	0.457
%RSD		30.570	1.110	0.000	0.415	0.902	0.581	1.011	19.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.491	0.531	980.700	46370.000	46170.000	0.238	3.667	0.824
2	22:15:07	0.428	0.380	981.500	45890.000	46320.000	0.187	3.475	0.872
3	22:15:48	0.309	0.479	1000.000	46340.000	46990.000	0.195	4.046	0.713
x		0.410	0.463	987.500	46200.000	46500.000	0.206	3.729	0.803
σ		0.092	0.077	11.050	269.300	436.400	0.027	0.291	0.081
%RSD		22.570	16.570	1.119	0.583	0.939	13.290	7.795	10.120

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.961	10.220	11.060	7.903	-0.333	-0.825	0.000	716.800
2	22:15:07	0.889	10.170	10.500	8.021	-2.028	-1.855	0.000	711.100
3	22:15:48	1.020	10.000	11.520	7.899	-0.428	-1.196	0.000	722.600
x		0.957	10.130	11.020	7.941	-0.930	-1.292	0.000	716.800
σ		0.065	0.114	0.510	0.069	0.953	0.522	0.000	5.743
%RSD		6.842	1.121	4.628	0.873	102.500	40.390	0.000	0.801

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	77.770%	8.684	8.910	76.636%	0.013	-0.007	0.075	-0.004
2	22:15:07	80.026%	6.216	5.927	78.134%	0.013	0.009	0.245	0.238
3	22:15:48	79.971%	4.667	4.824	78.814%	0.013	0.009	0.090	-0.007
x		79.256%	6.522	6.554	77.861%	0.013	0.003	0.137	0.076
σ		1.287%	2.026	2.114	1.114%	0.000	0.009	0.094	0.141
%RSD		1.624	31.070	32.250	1.431	2.196	264.600	68.860	185.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	80.022%	11.690	9.249	9.061	83.660	84.720	84.688%	86.416%
2	22:15:07	81.990%	7.390	6.389	6.101	84.650	82.720	87.065%	88.491%
3	22:15:48	82.324%	6.022	4.663	4.326	84.970	83.850	87.704%	88.244%
x		81.445%	8.366	6.767	6.496	84.420	83.760	86.486%	87.717%
σ		1.244%	2.956	2.316	2.392	0.683	1.004	1.589%	1.133%
%RSD		1.527	35.330	34.230	36.830	0.809	1.198	1.837	1.292

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:25	0.010	0.003	1.484	1.379	1.430	87.514%
2	22:15:07	-0.002	0.004	1.374	1.369	1.472	89.106%
3	22:15:48	-0.002	0.005	1.516	1.490	1.483	88.598%
x		0.002	0.004	1.458	1.413	1.462	88.406%
σ		0.007	0.001	0.074	0.067	0.028	0.814%
%RSD		372.700	25.210	5.107	4.758	1.930	0.920

180-17219-A-8-A 12/29/2012 10:17:58 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	82.366%	-0.031	193.300	188.800	0.000	44250.000	21380.000	21470.000
2	22:19:22	82.828%	0.006	188.200	190.200	0.000	44200.000	21470.000	21520.000
3	22:20:03	83.742%	0.042	187.800	188.100	0.000	43940.000	21550.000	21520.000
x		82.979%	0.006	189.700	189.000	0.000	44130.000	21470.000	21500.000
σ		0.700%	0.036	3.067	1.080	0.000	166.600	86.680	26.650
%RSD		0.844	622.800	1.617	0.572	0.000	0.378	0.404	0.124

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	152.000	8752.000	0.000	6425.000	68280.000	67650.000	80.820%	4.731
2	22:19:22	151.300	8821.000	0.000	6485.000	69140.000	67950.000	81.926%	5.045
3	22:20:03	151.700	8803.000	0.000	6514.000	69020.000	67480.000	81.928%	4.662
x		151.700	8792.000	0.000	6475.000	68810.000	67690.000	81.558%	4.813
σ		0.335	35.890	0.000	45.300	463.600	239.300	0.639%	0.204
%RSD		0.221	0.408	0.000	0.700	0.674	0.354	0.783	4.239

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	0.925	0.300	139.500	59820.000	59740.000	11.670	2.109	1.278
2	22:19:22	0.759	0.374	139.300	59000.000	59920.000	11.770	2.206	1.688
3	22:20:03	0.720	0.316	141.800	58930.000	60100.000	11.850	2.051	1.456
x		0.801	0.330	140.200	59250.000	59920.000	11.760	2.122	1.474
σ		0.109	0.039	1.350	493.800	178.900	0.094	0.078	0.206
%RSD		13.560	11.840	0.963	0.833	0.299	0.799	3.674	13.940

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	1.398	151.600	147.300	25.880	-0.974	-1.378	0.000	579.400
2	22:19:22	1.581	146.900	151.000	26.510	-0.082	1.559	0.000	581.200
3	22:20:03	1.529	148.500	148.800	27.360	-1.177	0.849	0.000	577.800
x		1.503	149.000	149.000	26.580	-0.744	0.344	0.000	579.500
σ		0.094	2.379	1.840	0.744	0.582	1.533	0.000	1.712
%RSD		6.245	1.596	1.235	2.799	78.250	446.000	0.000	0.295

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	81.062%	2.549	2.392	79.820%	0.003	0.003	0.079	0.063
2	22:19:22	82.729%	2.214	2.014	81.630%	0.012	-0.002	0.019	-0.033
3	22:20:03	83.711%	1.862	1.804	82.633%	0.003	0.003	0.203	0.081
x		82.501%	2.208	2.070	81.361%	0.006	0.001	0.100	0.037
σ		1.339%	0.344	0.298	1.426%	0.005	0.003	0.094	0.062
%RSD		1.623	15.560	14.390	1.752	89.190	202.200	93.510	166.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	81.427%	4.834	1.927	2.041	141.700	141.800	86.011%	87.714%
2	22:19:22	83.559%	4.053	1.617	1.750	140.000	142.400	89.652%	89.230%
3	22:20:03	85.104%	3.586	1.455	1.688	140.300	142.000	90.770%	91.232%
x		83.363%	4.158	1.666	1.826	140.700	142.100	88.811%	89.392%
σ		1.846%	0.631	0.240	0.189	0.910	0.307	2.488%	1.765%
%RSD		2.214	15.160	14.390	10.320	0.647	0.216	2.802	1.974

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:40	-0.013	0.013	1.587	1.663	1.589	87.091%
2	22:19:22	-0.011	0.012	1.517	1.559	1.544	89.557%
3	22:20:03	0.006	0.007	1.556	1.521	1.536	90.122%
x		-0.006	0.010	1.553	1.581	1.556	88.923%
σ		0.010	0.003	0.035	0.073	0.029	1.612%
%RSD		173.000	29.000	2.275	4.635	1.857	1.812

180-17219-A-9-A 12/29/2012 10:22:14 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.832%	0.007	224.500	219.500	0.000	78220.000	34360.000	34450.000
2	22:23:38	82.500%	-0.031	216.900	218.400	0.000	77550.000	34640.000	34750.000
3	22:24:19	85.304%	-0.031	209.600	207.700	0.000	75510.000	33900.000	34110.000
x		83.212%	-0.018	217.000	215.200	0.000	77090.000	34300.000	34440.000
σ		1.842%	0.021	7.464	6.535	0.000	1414.000	373.200	322.100
%RSD		2.214	117.600	3.440	3.037	0.000	1.835	1.088	0.935

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.207	8656.000	0.000	13920.000	85480.000	84810.000	81.006%	2.605
2	22:23:38	-0.190	8678.000	0.000	13900.000	86410.000	85630.000	81.736%	2.961
3	22:24:19	-0.317	8534.000	0.000	13640.000	84790.000	85130.000	83.224%	2.783
x		-0.100	8623.000	0.000	13820.000	85560.000	85190.000	81.989%	2.783
σ		0.273	77.460	0.000	156.200	814.000	417.500	1.130%	0.178
%RSD		273.100	0.898	0.000	1.131	0.951	0.490	1.379	6.409

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.893	0.100	229.900	57630.000	57670.000	4.249	1.116	0.768
2	22:23:38	0.709	0.027	231.500	57120.000	58320.000	4.299	0.732	0.726
3	22:24:19	0.799	-0.037	229.200	56270.000	57740.000	4.176	1.484	0.829
x		0.800	0.030	230.200	57010.000	57910.000	4.241	1.111	0.774
σ		0.092	0.068	1.192	684.000	357.900	0.062	0.376	0.051
%RSD		11.490	228.000	0.518	1.200	0.618	1.454	33.830	6.642

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	0.691	9.515	9.873	26.510	-1.831	0.202	0.000	576.800
2	22:23:38	0.596	10.230	10.530	27.410	-0.427	-0.177	0.000	584.700
3	22:24:19	0.810	9.255	10.700	27.770	-1.537	-0.756	0.000	581.600
x		0.699	9.667	10.370	27.230	-1.265	-0.244	0.000	581.100
σ		0.107	0.505	0.439	0.645	0.741	0.482	0.000	4.004
%RSD		15.330	5.227	4.237	2.368	58.560	197.700	0.000	0.689

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.460%	0.654	0.550	79.646%	-0.002	-0.007	0.080	0.018
2	22:23:38	82.438%	0.468	0.576	81.270%	0.003	0.003	0.023	-0.033
3	22:24:19	83.575%	0.329	0.573	82.273%	-0.006	0.003	-0.025	-0.117
x		82.491%	0.484	0.567	81.063%	-0.002	-0.000	0.026	-0.044
σ		1.059%	0.163	0.014	1.326%	0.005	0.006	0.053	0.068
%RSD		1.283	33.690	2.467	1.635	265.800	1910.000	201.500	154.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	81.926%	2.810	0.928	0.918	167.700	166.600	87.054%	88.675%
2	22:23:38	84.287%	2.421	0.915	0.967	162.500	162.700	90.249%	91.291%
3	22:24:19	84.937%	2.659	0.858	0.806	163.000	165.200	91.416%	91.436%
x		83.717%	2.630	0.900	0.897	164.400	164.900	89.573%	90.467%
σ		1.584%	0.197	0.037	0.082	2.859	1.995	2.258%	1.554%
%RSD		1.893	7.473	4.134	9.201	1.739	1.210	2.521	1.718

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:56	-0.008	0.003	0.410	0.348	0.375	88.001%
2	22:23:38	0.017	0.005	0.356	0.371	0.354	89.953%
3	22:24:19	0.000	-0.008	0.357	0.338	0.369	90.528%
x		0.003	-0.000	0.375	0.352	0.366	89.494%
σ		0.013	0.007	0.031	0.017	0.011	1.325%
%RSD		391.100	22580.000	8.198	4.786	2.886	1.480

CCV 664806 12/29/2012 10:29:26 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	81.939%	101.000	99.280	96.110	0.000	48310.000	41900.000	42260.000
2	22:30:49	83.037%	103.700	92.380	97.050	0.000	47710.000	42120.000	42400.000
3	22:31:31	84.512%	99.580	96.170	96.460	0.000	47240.000	42090.000	42200.000
x		83.163%	101.402%	95.943%	96.538%	0.000	95.506%	84.070%	84.571%
σ		1.291%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.552	2.042	3.599	0.491	0.000	1.129	0.275	0.245

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	471.200	4928.000	0.000	48410.000	48370.000	47520.000	82.719%	94.280
2	22:30:49	469.200	4941.000	0.000	47960.000	48000.000	47830.000	83.918%	101.000
3	22:31:31	470.400	4911.000	0.000	47600.000	47330.000	47600.000	85.789%	96.310
x		94.057%	98.532%	0.000	95.982%	95.796%	95.299%	84.142%	97.182%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.548%	n/a
%RSD		0.211	0.299	0.000	0.843	1.099	0.341	1.839	3.519

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	96.040	97.670	477.000	24660.000	24200.000	97.890	96.950	99.850
2	22:30:49	98.810	98.020	482.700	24310.000	24480.000	99.220	99.350	100.100
3	22:31:31	97.950	98.000	479.900	23920.000	24160.000	98.370	101.400	99.180
x		97.601%	97.895%	95.975%	97.194%	97.118%	98.494%	99.228%	99.694%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.457	0.203	0.592	1.521	0.707	0.685	2.237	0.463

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	99.400	101.800	100.100	99.590	97.070	96.810	0.000	97.480
2	22:30:49	100.100	99.080	104.700	99.230	96.310	98.200	0.000	97.750
3	22:31:31	97.780	100.800	99.390	99.580	106.300	103.100	0.000	96.720
x		99.092%	100.569%	101.411%	99.465%	99.891%	99.375%	0.000	97.315%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.202	1.379	2.839	0.209	5.566	3.337	0.000	0.548

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	82.846%	98.190	99.240	81.251%	96.560	98.100	96.480	96.180
2	22:30:49	84.581%	99.030	99.730	84.005%	98.660	98.740	96.620	97.810
3	22:31:31	86.919%	102.400	102.500	85.015%	97.780	97.790	97.680	96.510
x		84.782%	99.889%	100.474%	83.424%	97.665%	98.208%	96.927%	96.837%
σ		2.044%	n/a	n/a	1.948%	n/a	n/a	n/a	n/a
%RSD		2.411	2.259	1.724	2.335	1.078	0.496	0.679	0.890

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	83.430%	98.710	98.890	99.040	98.540	98.080	87.071%	88.299%
2	22:30:49	85.851%	100.100	99.400	100.800	99.250	98.170	89.843%	92.217%
3	22:31:31	88.624%	98.770	100.000	98.300	96.110	97.870	92.751%	93.332%
x		85.969%	99.189%	99.443%	99.394%	97.964%	98.044%	89.889%	91.283%
σ		2.599%	n/a	n/a	n/a	n/a	n/a	2.841%	2.643%
%RSD		3.023	0.791	0.585	1.320	1.679	0.157	3.160	2.896

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:07	98.090	97.360	97.800	97.580	97.470	87.137%
2	22:30:49	98.020	97.920	99.510	97.390	98.490	90.501%
3	22:31:31	99.320	98.760	98.870	99.380	99.070	91.855%
x		98.477%	98.014%	98.728%	98.116%	98.343%	89.831%
σ		n/a	n/a	n/a	n/a	n/a	2.429%
%RSD		0.742	0.720	0.878	1.124	0.823	2.704

CCB7 12/29/2012 10:36:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.953%	-0.031	2.300	2.996	0.000	-22.080	20.160	20.320
2	22:37:57	85.306%	-0.031	1.936	2.970	0.000	34.410	53.090	47.450
3	22:38:38	86.766%	0.040	4.687	3.392	0.000	7.979	43.450	40.490
x		86.009%	-0.007	2.974	3.119	0.000	6.770	38.900	36.090
σ		0.732%	0.041	1.495	0.236	0.000	28.260	16.930	14.090
%RSD		0.851	557.900	50.250	7.577	0.000	417.500	43.530	39.040

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	-1.665	4.548	0.000	21.600	23.190	46.340	86.041%	0.215
2	22:37:57	1.963	7.640	0.000	46.050	143.100	108.300	86.293%	0.394
3	22:38:38	0.726	5.406	0.000	31.390	81.300	88.630	85.368%	0.217
x		0.341	5.865	0.000	33.010	82.530	81.110	85.901%	0.275
σ		1.844	1.596	0.000	12.310	59.970	31.680	0.478%	0.103
%RSD		540.500	27.220	0.000	37.270	72.670	39.060	0.557	37.440

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.088	0.016	0.342	30.540	38.240	0.032	0.129	0.152
2	22:37:57	0.145	0.073	0.825	39.750	52.440	0.093	0.187	0.208
3	22:38:38	0.088	0.088	0.709	34.270	42.390	0.102	0.089	0.214
x		0.107	0.059	0.625	34.850	44.360	0.075	0.135	0.191
σ		0.033	0.038	0.252	4.630	7.300	0.038	0.049	0.034
%RSD		30.810	64.660	40.350	13.290	16.460	50.030	36.370	17.630

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.237	0.390	0.410	0.138	0.705	0.950	0.000	0.514
2	22:37:57	0.133	0.541	0.809	-0.020	-0.929	0.004	0.000	1.131
3	22:38:38	0.300	0.777	0.423	-0.128	-1.473	-1.265	0.000	0.833
x		0.223	0.569	0.547	-0.004	-0.566	-0.104	0.000	0.826
σ		0.084	0.195	0.227	0.133	1.134	1.111	0.000	0.309
%RSD		37.620	34.210	41.420	3793.000	200.500	1073.000	0.000	37.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.064%	0.210	0.366	86.085%	0.016	0.046	0.092	-0.004
2	22:37:57	85.895%	0.391	0.420	87.026%	0.051	0.065	0.216	0.108
3	22:38:38	85.104%	0.419	0.315	87.108%	0.042	0.045	0.102	0.021
x		85.355%	0.340	0.367	86.740%	0.036	0.052	0.137	0.042
σ		0.469%	0.114	0.052	0.568%	0.018	0.011	0.069	0.059
%RSD		0.549	33.450	14.230	0.655	50.210	20.920	50.120	142.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	85.320%	1.319	0.216	0.274	0.295	0.147	86.170%	87.538%
2	22:37:57	86.511%	1.426	0.266	0.226	0.569	0.668	87.498%	88.182%
3	22:38:38	87.062%	1.290	0.201	0.211	0.562	0.439	88.602%	88.548%
x		86.298%	1.345	0.228	0.237	0.475	0.418	87.423%	88.089%
σ		0.891%	0.072	0.034	0.033	0.156	0.261	1.218%	0.511%
%RSD		1.032	5.339	15.030	13.890	32.840	62.430	1.393	0.580

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:37:15	0.048	0.056	0.052	0.087	0.063	89.583%
2	22:37:57	0.075	0.102	0.065	0.090	0.085	90.393%
3	22:38:38	0.064	0.059	0.061	0.078	0.068	90.474%
x		0.062	0.072	0.059	0.085	0.072	90.150%
σ		0.014	0.026	0.007	0.006	0.012	0.493%
%RSD		21.810	35.460	11.160	7.120	16.070	0.547

180-17219-A-10-A 12/29/2012 10:40:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	78.977%	0.008	108.500	110.600	0.000	68940.000	10590.000	10570.000
2	22:42:15	80.452%	0.007	113.000	108.400	0.000	67960.000	10500.000	10520.000
3	22:42:56	81.386%	-0.031	107.600	110.700	0.000	67420.000	10430.000	10510.000
x		80.271%	-0.005	109.700	109.900	0.000	68110.000	10500.000	10530.000
σ		1.215%	0.022	2.914	1.283	0.000	774.300	79.500	35.100
%RSD		1.513	423.500	2.656	1.167	0.000	1.137	0.757	0.333
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	258.800	9569.000	0.000	10950.000	74130.000	74550.000	78.608%	13.190
2	22:42:15	258.800	9579.000	0.000	10820.000	74650.000	74590.000	79.362%	14.690
3	22:42:56	264.100	9484.000	0.000	10750.000	70360.000	74490.000	79.840%	12.190
x		260.600	9544.000	0.000	10840.000	73050.000	74540.000	79.270%	13.360
σ		3.064	51.870	0.000	101.500	2342.000	51.080	0.621%	1.258
%RSD		1.176	0.543	0.000	0.936	3.206	0.069	0.783	9.414
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	3.651	2.128	155.500	820.900	1098.000	0.587	1.543	10.000
2	22:42:15	3.720	1.903	156.300	822.900	1113.000	0.472	1.187	9.947
3	22:42:56	3.717	2.069	156.900	818.000	1090.000	0.561	1.532	10.310
x		3.696	2.033	156.200	820.600	1100.000	0.540	1.421	10.090
σ		0.039	0.116	0.713	2.497	11.440	0.060	0.202	0.195
%RSD		1.065	5.721	0.456	0.304	1.040	11.140	14.240	1.934
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	9.823	39.080	38.400	2.740	-0.517	0.910	0.000	466.500
2	22:42:15	9.770	40.490	40.160	3.139	-0.577	1.909	0.000	469.200
3	22:42:56	10.490	39.930	39.570	3.084	-1.101	-0.547	0.000	469.300
x		10.030	39.830	39.380	2.987	-0.732	0.757	0.000	468.300
σ		0.401	0.714	0.894	0.216	0.322	1.236	0.000	1.591
%RSD		3.995	1.791	2.271	7.239	43.960	163.100	0.000	0.340
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	78.975%	2.803	2.719	76.962%	0.008	-0.002	0.199	0.052
2	22:42:15	80.503%	2.999	2.652	78.498%	-0.002	-0.002	0.028	0.035
3	22:42:56	81.624%	2.934	2.688	79.166%	0.003	-0.002	0.003	-0.044
x		80.367%	2.912	2.686	78.209%	0.003	-0.002	0.077	0.015
σ		1.330%	0.100	0.033	1.130%	0.005	0.000	0.107	0.051
%RSD		1.654	3.433	1.243	1.445	152.800	5.609	139.100	351.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:33	79.465%	1.891	1.079	1.131	56.920	59.170	84.357%	85.087%
2	22:42:15	81.522%	2.088	1.102	1.068	58.640	60.500	86.739%	87.332%
3	22:42:56	83.291%	1.790	1.128	1.004	58.000	58.520	86.351%	88.885%
x		81.426%	1.923	1.103	1.067	57.850	59.400	85.816%	87.101%
σ		1.915%	0.152	0.024	0.064	0.870	1.007	1.278%	1.909%
%RSD		2.352	7.884	2.219	5.952	1.504	1.696	1.489	2.192
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:41:33	0.010	0.017	2.132	2.040	2.114	87.042%		
2	22:42:15	0.010	0.012	2.199	2.231	2.183	87.755%		
3	22:42:56	0.012	0.017	2.187	2.290	2.164	88.295%		
x		0.011	0.015	2.173	2.187	2.154	87.698%		
σ		0.001	0.003	0.036	0.131	0.035	0.628%		
%RSD		13.380	17.640	1.639	5.973	1.647	0.717		

180-17219-A-11-A 12/29/2012 10:45:08 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.522%	-0.031	82.970	90.000	0.000	53710.000	22140.000	22270.000
2	22:46:31	85.132%	-0.031	89.990	90.570	0.000	53900.000	22480.000	22510.000
3	22:47:12	85.908%	-0.031	85.750	87.200	0.000	53620.000	22550.000	22550.000
x		85.187%	-0.031	86.240	89.260	0.000	53740.000	22390.000	22440.000
σ		0.695%	0.000	3.539	1.804	0.000	139.500	218.400	155.300
%RSD		0.816	0.000	4.104	2.021	0.000	0.260	0.976	0.692

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	2.395	6257.000	0.000	3290.000	75340.000	74530.000	85.188%	3.206
2	22:46:31	2.473	6301.000	0.000	3316.000	75530.000	75030.000	86.885%	2.482
3	22:47:12	2.077	6340.000	0.000	3342.000	75620.000	75170.000	87.373%	2.705
x		2.315	6299.000	0.000	3316.000	75500.000	74910.000	86.482%	2.798
σ		0.210	41.610	0.000	26.400	146.600	338.200	1.147%	0.371
%RSD		9.071	0.661	0.000	0.796	0.194	0.451	1.326	13.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.981	0.230	762.700	89660.000	89240.000	0.241	1.322	0.630
2	22:46:31	0.828	0.228	765.100	88320.000	89950.000	0.196	1.175	0.622
3	22:47:12	0.918	0.202	768.500	88530.000	90650.000	0.229	1.162	0.721
x		0.909	0.220	765.400	88840.000	89950.000	0.222	1.220	0.658
σ		0.077	0.016	2.946	721.100	704.400	0.023	0.089	0.055
%RSD		8.472	7.200	0.385	0.812	0.783	10.310	7.305	8.348

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.730	7.843	8.034	13.250	-0.647	-0.517	0.000	394.200
2	22:46:31	0.525	8.235	9.323	12.860	-1.316	0.437	0.000	393.500
3	22:47:12	0.500	8.420	8.486	13.830	1.561	0.504	0.000	398.800
x		0.585	8.166	8.614	13.310	-0.134	0.141	0.000	395.500
σ		0.126	0.294	0.654	0.488	1.505	0.571	0.000	2.903
%RSD		21.620	3.606	7.593	3.662	1124.000	403.800	0.000	0.734

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.480%	0.131	0.251	82.671%	0.007	0.018	0.072	0.017
2	22:46:31	87.546%	0.003	0.154	86.159%	0.002	-0.007	0.005	0.037
3	22:47:12	88.199%	-0.024	0.053	86.884%	-0.002	0.002	-0.049	-0.107
x		86.742%	0.037	0.153	85.238%	0.003	0.004	0.009	-0.017
σ		1.986%	0.083	0.099	2.252%	0.005	0.013	0.061	0.078
%RSD		2.289	224.500	64.920	2.642	183.900	281.100	666.000	447.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	84.905%	2.809	0.355	0.357	123.600	123.200	88.608%	90.103%
2	22:46:31	87.209%	3.204	0.413	0.278	122.500	125.400	91.367%	92.888%
3	22:47:12	89.025%	3.203	0.370	0.332	123.000	123.800	93.749%	93.855%
x		87.046%	3.072	0.379	0.322	123.000	124.100	91.241%	92.282%
σ		2.065%	0.228	0.030	0.040	0.533	1.145	2.573%	1.948%
%RSD		2.372	7.417	7.858	12.520	0.434	0.922	2.820	2.111

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:49	0.009	-0.003	0.420	0.439	0.433	90.291%
2	22:46:31	0.005	0.009	0.378	0.430	0.427	92.782%
3	22:47:12	-0.003	0.006	0.442	0.387	0.427	93.109%
x		0.004	0.004	0.413	0.419	0.429	92.061%
σ		0.006	0.007	0.032	0.027	0.003	1.542%
%RSD		167.400	159.300	7.849	6.568	0.762	1.675

180-17219-A-13-A 12/29/2012 10:49:23 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	90.229%	-0.031	1.895	3.114	0.000	-55.490	-0.114	0.727
2	22:50:47	91.357%	-0.031	3.301	2.263	0.000	-56.250	-0.429	-0.095
3	22:51:28	92.725%	-0.031	3.715	2.452	0.000	-49.410	0.517	0.894
x		91.437%	-0.031	2.970	2.610	0.000	-53.710	-0.009	0.509
σ		1.250%	0.000	0.954	0.447	0.000	3.751	0.482	0.529
%RSD		1.367	0.000	32.120	17.130	0.000	6.983	5534.000	104.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	-4.480	17.980	0.000	-0.427	6.875	10.660	91.567%	0.083
2	22:50:47	-4.377	16.540	0.000	-1.180	16.460	11.270	92.724%	-0.031
3	22:51:28	-4.508	15.080	0.000	2.286	30.830	12.590	93.243%	0.080
x		-4.455	16.530	0.000	0.226	18.060	11.500	92.511%	0.044
σ		0.069	1.452	0.000	1.823	12.060	0.987	0.858%	0.065
%RSD		1.554	8.785	0.000	806.000	66.770	8.580	0.927	148.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	-0.062	-0.149	0.036	108.500	130.300	-0.018	0.043	0.272
2	22:50:47	-0.068	-0.199	0.016	42.400	58.430	-0.026	0.078	0.253
3	22:51:28	-0.051	-0.096	0.059	26.290	30.870	-0.005	0.096	0.222
x		-0.060	-0.148	0.037	59.060	73.210	-0.016	0.072	0.249
σ		0.008	0.052	0.022	43.560	51.350	0.011	0.027	0.025
%RSD		13.670	34.860	59.340	73.750	70.140	65.260	37.390	10.140

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	0.485	3.371	3.926	-0.313	-1.126	-1.365	0.000	0.017
2	22:50:47	0.455	3.702	4.150	-0.181	-0.864	-0.663	0.000	0.020
3	22:51:28	0.320	4.164	3.648	-0.209	-1.098	-0.257	0.000	0.044
x		0.420	3.746	3.908	-0.234	-1.029	-0.762	0.000	0.027
σ		0.088	0.399	0.252	0.070	0.144	0.561	0.000	0.015
%RSD		20.870	10.640	6.434	29.700	13.960	73.610	0.000	56.330

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	91.690%	-0.225	-0.103	93.565%	-0.002	-0.002	-0.028	-0.101
2	22:50:47	93.520%	-0.204	-0.127	94.856%	0.002	0.011	-0.009	-0.070
3	22:51:28	94.315%	-0.182	-0.121	95.552%	0.014	0.002	0.028	-0.028
x		93.175%	-0.204	-0.117	94.658%	0.004	0.003	-0.003	-0.066
σ		1.346%	0.021	0.013	1.008%	0.008	0.007	0.028	0.037
%RSD		1.444	10.560	10.770	1.065	192.400	203.600	1049.000	55.190

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	92.144%	0.802	0.143	0.115	-0.070	-0.009	93.505%	93.876%
2	22:50:47	93.981%	0.265	0.140	0.095	-0.047	0.018	94.457%	95.132%
3	22:51:28	95.757%	0.438	0.128	0.099	-0.025	0.044	95.551%	95.890%
x		93.961%	0.502	0.137	0.103	-0.047	0.017	94.504%	94.966%
σ		1.807%	0.274	0.008	0.011	0.022	0.026	1.024%	1.017%
%RSD		1.923	54.630	5.687	10.410	47.450	152.200	1.083	1.071

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:05	0.007	0.000	0.006	0.011	0.015	95.195%
2	22:50:47	-0.001	-0.006	-0.007	0.004	0.005	96.376%
3	22:51:28	-0.006	0.007	0.011	0.007	0.010	97.104%
x		-0.000	0.000	0.003	0.007	0.010	96.225%
σ		0.007	0.007	0.010	0.004	0.005	0.963%
%RSD		9076.000	1722.000	298.500	53.030	48.860	1.001

180-17219-A-14-A 12/29/2012 10:53:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	92.140%	-0.031	1.600	2.242	0.000	78.480	9.583	9.609
2	22:55:04	91.851%	-0.031	1.607	1.921	0.000	79.320	10.220	8.653
3	22:55:46	92.356%	-0.031	2.786	2.072	0.000	80.430	7.688	9.455
x		92.116%	-0.031	1.998	2.078	0.000	79.410	9.164	9.239
σ		0.254%	0.000	0.683	0.161	0.000	0.980	1.318	0.513
%RSD		0.275	0.000	34.180	7.723	0.000	1.234	14.380	5.554

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	-0.787	17.440	0.000	32.970	241.200	213.900	92.147%	0.307
2	22:55:04	-0.160	19.340	0.000	32.880	148.200	205.600	92.325%	0.532
3	22:55:46	-0.729	18.150	0.000	33.980	236.600	213.100	91.993%	0.139
x		-0.559	18.310	0.000	33.280	208.700	210.800	92.155%	0.326
σ		0.346	0.959	0.000	0.612	52.450	4.588	0.166%	0.197
%RSD		62.010	5.238	0.000	1.839	25.140	2.176	0.180	60.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.037	0.215	0.429	30.970	38.310	-0.004	0.640	0.727
2	22:55:04	-0.024	0.174	0.402	25.630	34.780	0.003	0.716	1.164
3	22:55:46	-0.088	0.169	0.425	23.350	30.180	-0.008	0.905	0.675
x		-0.025	0.186	0.419	26.650	34.420	-0.003	0.754	0.856
σ		0.063	0.025	0.014	3.908	4.077	0.005	0.136	0.269
%RSD		249.300	13.630	3.451	14.670	11.850	179.700	18.090	31.410

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.881	6.764	5.910	-0.184	-0.902	-0.796	0.000	0.325
2	22:55:04	0.843	6.493	6.003	0.048	-1.542	0.267	0.000	0.297
3	22:55:46	1.072	6.887	6.479	-0.205	1.044	-0.447	0.000	0.386
x		0.932	6.715	6.131	-0.114	-0.467	-0.325	0.000	0.336
σ		0.123	0.201	0.305	0.140	1.347	0.542	0.000	0.045
%RSD		13.200	2.998	4.972	123.500	288.600	166.700	0.000	13.520

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	91.113%	-0.083	-0.093	91.873%	-0.002	-0.002	0.159	0.060
2	22:55:04	90.875%	0.104	-0.043	92.462%	-0.006	0.007	0.013	-0.002
3	22:55:46	90.810%	-0.130	-0.129	92.627%	0.002	-0.007	0.150	0.082
x		90.933%	-0.036	-0.088	92.321%	-0.002	-0.001	0.107	0.047
σ		0.159%	0.124	0.043	0.397%	0.004	0.007	0.082	0.044
%RSD		0.175	341.900	48.850	0.430	181.900	740.000	76.110	93.550

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	91.080%	1.328	0.113	0.111	0.174	0.249	91.115%	92.000%
2	22:55:04	91.505%	1.555	0.130	0.105	0.172	0.119	91.918%	92.856%
3	22:55:46	91.509%	1.290	0.139	0.086	0.026	0.104	93.615%	92.779%
x		91.365%	1.391	0.127	0.101	0.124	0.157	92.216%	92.545%
σ		0.247%	0.143	0.014	0.013	0.085	0.080	1.276%	0.473%
%RSD		0.270	10.310	10.680	12.870	68.360	50.800	1.384	0.512

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:22	0.002	0.001	0.042	0.093	0.085	93.914%
2	22:55:04	-0.003	0.000	0.077	0.070	0.094	94.501%
3	22:55:46	-0.014	-0.003	0.081	0.056	0.079	93.623%
x		-0.005	-0.001	0.067	0.073	0.086	94.013%
σ		0.008	0.002	0.022	0.019	0.008	0.447%
%RSD		164.700	316.800	32.340	25.350	8.926	0.475

MB 180-58670/1-A 12/29/2012 11:01:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	88.555%	-0.031	0.733	0.959	0.000	-59.920	-2.576	-1.941
2	23:02:54	89.436%	-0.031	0.846	0.652	0.000	-56.620	-2.189	-1.839
3	23:03:36	89.057%	-0.031	1.733	1.501	0.000	-52.330	-0.316	0.579
x		89.016%	-0.031	1.104	1.037	0.000	-56.290	-1.694	-1.067
σ		0.442%	0.000	0.548	0.430	0.000	3.805	1.209	1.426
%RSD		0.496	0.000	49.620	41.420	0.000	6.759	71.390	133.600

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-4.967	5.901	0.000	24.430	-2.960	-3.463	79.495%	-0.022
2	23:02:54	-5.030	2.611	0.000	24.630	-2.960	-1.969	78.249%	-0.021
3	23:03:36	-4.524	4.617	0.000	24.740	8.600	3.723	77.314%	-0.087
x		-4.840	4.376	0.000	24.600	0.893	-0.570	78.353%	-0.043
σ		0.276	1.658	0.000	0.157	6.674	3.792	1.094%	0.038
%RSD		5.698	37.890	0.000	0.638	747.200	665.800	1.396	87.480

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-0.278	0.038	-0.052	3.473	6.571	-0.008	0.121	0.285
2	23:02:54	-0.098	0.039	-0.051	2.331	6.074	-0.020	0.080	0.222
3	23:03:36	-0.880	0.006	0.018	4.249	8.779	-0.007	0.082	0.110
x		-0.419	0.028	-0.029	3.351	7.141	-0.012	0.094	0.205
σ		0.410	0.019	0.040	0.965	1.440	0.007	0.023	0.089
%RSD		97.840	66.600	140.700	28.800	20.160	60.190	24.710	43.230

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	0.382	0.091	-0.012	0.381	-0.457	-0.458	0.000	-0.048
2	23:02:54	0.129	0.052	0.135	-0.029	-1.637	-0.309	0.000	-0.045
3	23:03:36	0.444	-0.091	-0.071	-0.605	-0.489	0.277	0.000	0.044
x		0.318	0.018	0.017	-0.084	-0.861	-0.164	0.000	-0.016
σ		0.167	0.096	0.106	0.495	0.672	0.388	0.000	0.052
%RSD		52.350	546.300	617.600	587.600	78.090	237.300	0.000	323.200

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	80.531%	-0.251	-0.178	80.724%	-0.006	-0.007	0.107	0.012
2	23:02:54	79.183%	-0.210	-0.177	80.507%	-0.002	0.008	-0.178	-0.197
3	23:03:36	78.602%	-0.128	-0.143	79.508%	-0.002	0.003	-0.090	-0.018
x		79.438%	-0.196	-0.166	80.246%	-0.003	0.002	-0.054	-0.068
σ		0.990%	0.063	0.020	0.649%	0.003	0.008	0.146	0.113
%RSD		1.246	32.090	12.150	0.808	83.950	488.300	271.800	166.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	81.352%	5.481	0.066	0.081	-0.064	-0.034	84.814%	85.368%
2	23:02:54	81.769%	4.233	0.086	0.034	-0.037	-0.050	83.621%	84.896%
3	23:03:36	81.255%	4.425	0.092	0.074	0.097	-0.002	83.673%	84.836%
x		81.459%	4.713	0.081	0.063	-0.001	-0.029	84.036%	85.033%
σ		0.273%	0.672	0.014	0.025	0.086	0.024	0.675%	0.292%
%RSD		0.335	14.260	17.000	40.330	7183.000	84.690	0.803	0.343

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:13	-0.008	-0.008	0.008	-0.017	-0.000	89.708%
2	23:02:54	0.007	0.002	-0.009	-0.001	-0.001	87.362%
3	23:03:36	-0.004	-0.001	-0.005	0.019	0.000	86.619%
x		-0.002	-0.002	-0.002	-0.000	-0.000	87.896%
σ		0.008	0.005	0.009	0.018	0.001	1.613%
%RSD		436.000	211.600	410.500	120000.000	240.800	1.835

LCS 180-58670/2-A 12/29/2012 11:05:49 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	93.104%	51.460	1009.000	958.100	0.000	44830.000	38610.000	39060.000
2	23:07:13	96.731%	49.570	1012.000	964.000	0.000	43940.000	38850.000	39000.000
3	23:07:54	97.636%	51.400	1007.000	963.000	0.000	43850.000	38900.000	39070.000
x		95.824%	50.810	1010.000	961.700	0.000	44210.000	38790.000	39040.000
σ		2.398%	1.074	2.564	3.172	0.000	545.300	154.700	36.800
%RSD		2.503	2.114	0.254	0.330	0.000	1.234	0.399	0.094

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	1742.000	8821.000	0.000	47030.000	46630.000	46270.000	71.885%	951.200
2	23:07:13	1735.000	8791.000	0.000	46310.000	47190.000	46430.000	73.604%	944.400
3	23:07:54	1738.000	8792.000	0.000	46000.000	46870.000	46430.000	74.444%	940.300
x		1738.000	8801.000	0.000	46440.000	46900.000	46380.000	73.311%	945.300
σ		3.199	17.050	0.000	528.700	282.300	88.550	1.305%	5.490
%RSD		0.184	0.194	0.000	1.138	0.602	0.191	1.780	0.581

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	477.900	197.800	477.900	818.200	1077.000	480.200	478.300	236.700
2	23:07:13	475.000	198.100	481.800	814.400	1063.000	482.900	472.000	239.500
3	23:07:54	473.400	197.000	481.800	816.400	1081.000	482.800	482.300	237.700
x		475.400	197.600	480.500	816.300	1074.000	482.000	477.500	238.000
σ		2.308	0.586	2.242	1.927	9.368	1.515	5.195	1.415
%RSD		0.485	0.297	0.467	0.236	0.873	0.314	1.088	0.595

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	232.700	481.200	496.100	35.430	11.630	7.704	0.000	945.600
2	23:07:13	238.600	486.900	489.100	37.550	8.502	9.950	0.000	950.500
3	23:07:54	239.800	493.900	491.600	35.550	7.351	7.180	0.000	958.600
x		237.000	487.300	492.300	36.180	9.162	8.278	0.000	951.600
σ		3.788	6.362	3.556	1.191	2.216	1.471	0.000	6.549
%RSD		1.598	1.306	0.723	3.293	24.180	17.770	0.000	0.688

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	72.262%	987.800	997.600	70.232%	48.970	48.670	49.200	41.650
2	23:07:13	74.856%	990.800	999.200	73.241%	49.280	47.440	51.070	40.420
3	23:07:54	75.432%	997.900	1004.000	74.519%	49.170	47.280	49.030	40.560
x		74.183%	992.200	1000.000	72.664%	49.140	47.800	49.770	40.880
σ		1.688%	5.177	3.186	2.201%	0.157	0.762	1.133	0.673
%RSD		2.276	0.522	0.319	3.029	0.318	1.594	2.276	1.646

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	74.037%	1952.000	484.000	481.600	1905.000	1892.000	80.512%	81.779%
2	23:07:13	77.125%	1963.000	487.900	482.600	1901.000	1903.000	83.837%	85.628%
3	23:07:54	79.687%	1921.000	482.700	484.600	1895.000	1876.000	85.797%	86.995%
x		76.950%	1946.000	484.900	483.000	1900.000	1890.000	83.382%	84.801%
σ		2.829%	21.670	2.669	1.533	5.230	13.240	2.672%	2.704%
%RSD		3.677	1.114	0.550	0.317	0.275	0.701	3.205	3.189

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:31	48.140	47.950	20.380	20.180	20.330	79.853%
2	23:07:13	48.640	48.610	20.260	19.670	20.180	83.646%
3	23:07:54	49.510	48.320	20.210	20.420	20.080	86.288%
x		48.760	48.290	20.280	20.090	20.190	83.262%
σ		0.691	0.329	0.085	0.384	0.127	3.235%
%RSD		1.417	0.681	0.417	1.910	0.628	3.885

180-17219-A-15-A 12/29/2012 11:10:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	100.670%	-0.031	92.100	85.770	0.000	103500.000	34270.000	34650.000
2	23:11:31	104.042%	-0.001	86.760	88.360	0.000	102400.000	34510.000	34840.000
3	23:12:12	107.332%	-0.031	95.710	86.290	0.000	101600.000	34410.000	34550.000
x		104.014%	-0.021	91.520	86.810	0.000	102500.000	34390.000	34680.000
σ		3.331%	0.017	4.502	1.371	0.000	974.500	119.300	145.300
%RSD		3.202	83.750	4.919	1.579	0.000	0.951	0.347	0.419

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	-1.952	6234.000	0.000	10220.000	124200.000	124600.000	76.795%	2.009
2	23:11:31	-2.783	6261.000	0.000	10200.000	125400.000	126000.000	78.050%	1.775
3	23:12:12	-3.261	6242.000	0.000	10140.000	132000.000	126100.000	78.677%	1.959
x		-2.665	6246.000	0.000	10190.000	127200.000	125600.000	77.841%	1.914
σ		0.663	13.510	0.000	43.300	4181.000	859.900	0.959%	0.123
%RSD		24.860	0.216	0.000	0.425	3.286	0.685	1.232	6.446

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	-9.172	2.149	71.920	886.700	1253.000	0.423	1.238	2.011
2	23:11:31	-9.851	2.303	73.050	895.700	1247.000	0.356	1.400	1.714
3	23:12:12	-11.550	2.457	72.650	894.800	1240.000	0.370	1.627	1.874
x		-10.190	2.303	72.540	892.400	1247.000	0.383	1.422	1.866
σ		1.224	0.154	0.574	4.963	6.517	0.036	0.196	0.148
%RSD		12.010	6.698	0.792	0.556	0.523	9.307	13.760	7.949

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	2.188	10.900	12.250	-1.456	9.166	7.980	0.000	437.100
2	23:11:31	2.552	10.990	11.790	0.604	6.581	7.114	0.000	437.800
3	23:12:12	2.014	12.380	11.860	2.049	5.691	6.610	0.000	436.800
x		2.251	11.420	11.970	0.399	7.146	7.235	0.000	437.200
σ		0.275	0.829	0.245	1.762	1.805	0.693	0.000	0.502
%RSD		12.200	7.258	2.050	441.600	25.260	9.576	0.000	0.115

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	76.690%	3.599	3.295	73.688%	0.004	-0.002	-0.113	-0.218
2	23:11:31	78.999%	1.991	2.250	75.939%	-0.002	0.004	-0.009	-0.191
3	23:12:12	78.990%	1.544	1.246	76.377%	0.003	0.009	-0.114	-0.166
x		78.226%	2.378	2.264	75.334%	0.002	0.004	-0.079	-0.191
σ		1.331%	1.081	1.024	1.443%	0.003	0.005	0.060	0.026
%RSD		1.701	45.460	45.250	1.915	158.800	142.800	76.270	13.640

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	78.994%	16.360	0.344	0.342	10.030	11.100	86.131%	86.416%
2	23:11:31	82.383%	12.520	0.294	0.223	10.530	10.300	87.983%	89.494%
3	23:12:12	82.099%	10.600	0.233	0.210	9.727	10.570	88.328%	90.159%
x		81.159%	13.160	0.290	0.259	10.100	10.660	87.481%	88.690%
σ		1.880%	2.932	0.055	0.073	0.407	0.404	1.181%	1.997%
%RSD		2.317	22.280	19.060	28.100	4.029	3.794	1.350	2.251

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:49	0.375	0.441	0.070	0.105	0.084	81.970%
2	23:11:31	0.289	0.260	0.097	0.047	0.087	86.487%
3	23:12:12	0.203	0.216	0.073	0.059	0.084	86.067%
x		0.289	0.305	0.080	0.070	0.085	84.841%
σ		0.086	0.119	0.015	0.031	0.002	2.496%
%RSD		29.680	39.040	18.510	43.930	2.192	2.942

180-17219-A-16-A 12/29/2012 11:14:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	88.659%	0.004	46.630	47.510	0.000	62500.000	35930.000	36160.000
2	23:15:49	89.125%	-0.031	47.910	48.810	0.000	62060.000	36070.000	36110.000
3	23:16:31	88.700%	-0.031	47.750	50.270	0.000	61600.000	35920.000	36070.000
x		88.828%	-0.019	47.430	48.860	0.000	62050.000	35980.000	36110.000
σ		0.258%	0.020	0.694	1.384	0.000	452.700	83.920	41.110
%RSD		0.291	106.800	1.464	2.832	0.000	0.730	0.233	0.114

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	4.161	9331.000	0.000	1542.000	39600.000	38840.000	68.573%	2.183
2	23:15:49	3.786	9315.000	0.000	1537.000	40220.000	38950.000	68.962%	2.696
3	23:16:31	3.788	9273.000	0.000	1535.000	39770.000	39020.000	68.729%	1.724
x		3.912	9306.000	0.000	1538.000	39860.000	38940.000	68.755%	2.201
σ		0.216	30.100	0.000	3.545	319.800	95.640	0.196%	0.486
%RSD		5.518	0.323	0.000	0.230	0.802	0.246	0.284	22.090

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	-4.085	0.734	432.900	24610.000	24750.000	0.827	0.807	1.786
2	23:15:49	-5.107	0.798	435.400	24360.000	24730.000	0.762	0.370	2.204
3	23:16:31	-5.965	0.692	432.200	24190.000	24700.000	0.722	0.451	2.221
x		-5.053	0.741	433.500	24380.000	24730.000	0.770	0.543	2.070
σ		0.941	0.054	1.663	211.900	22.070	0.053	0.233	0.246
%RSD		18.630	7.217	0.384	0.869	0.089	6.934	42.880	11.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	1.616	6.586	6.586	4.193	-1.146	0.359	0.000	301.700
2	23:15:49	1.518	5.863	6.428	1.019	-0.083	-0.891	0.000	299.400
3	23:16:31	1.720	6.206	5.600	3.200	-0.636	-0.477	0.000	301.500
x		1.618	6.218	6.205	2.804	-0.622	-0.336	0.000	300.800
σ		0.101	0.362	0.529	1.623	0.532	0.636	0.000	1.265
%RSD		6.243	5.813	8.533	57.900	85.550	189.300	0.000	0.421

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	69.427%	1.839	1.982	68.904%	0.010	-0.001	0.045	-0.139
2	23:15:49	70.898%	1.843	2.098	70.120%	0.004	-0.001	0.028	-0.072
3	23:16:31	70.871%	1.918	1.630	70.197%	0.010	-0.007	0.023	-0.061
x		70.399%	1.866	1.903	69.740%	0.008	-0.003	0.032	-0.090
σ		0.842%	0.045	0.244	0.725%	0.003	0.003	0.011	0.042
%RSD		1.196	2.401	12.800	1.040	39.940	108.500	35.680	46.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	73.013%	9.741	0.253	0.189	589.200	581.900	78.963%	80.487%
2	23:15:49	74.333%	8.705	0.152	0.134	591.600	581.800	81.543%	82.678%
3	23:16:31	75.049%	8.440	0.173	0.161	593.500	581.900	81.283%	83.346%
x		74.132%	8.962	0.193	0.161	591.400	581.900	80.597%	82.170%
σ		1.033%	0.687	0.053	0.028	2.201	0.051	1.420%	1.495%
%RSD		1.393	7.668	27.690	17.090	0.372	0.009	1.762	1.820

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:15:07	0.175	0.123	0.164	0.168	0.164	78.599%
2	23:15:49	0.117	0.090	0.170	0.155	0.159	80.759%
3	23:16:31	0.085	0.067	0.149	0.102	0.159	81.798%
x		0.126	0.093	0.161	0.142	0.161	80.385%
σ		0.046	0.028	0.011	0.035	0.003	1.632%
%RSD		36.270	30.330	6.732	24.890	1.695	2.031

180-17219-A-17-A 12/29/2012 11:18:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	92.829%	0.070	81.130	82.390	0.000	40510.000	16300.000	16370.000
2	23:20:06	96.133%	0.067	89.930	83.210	0.000	40380.000	16450.000	16510.000
3	23:20:47	97.209%	0.066	89.090	82.100	0.000	40690.000	16610.000	16640.000
x		95.390%	0.067	86.720	82.570	0.000	40530.000	16450.000	16510.000
σ		2.282%	0.002	4.858	0.574	0.000	156.700	154.000	136.200
%RSD		2.393	3.374	5.602	0.695	0.000	0.387	0.936	0.825

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	43.940	5063.000	0.000	3976.000	44400.000	43100.000	70.847%	1.303
2	23:20:06	44.860	5076.000	0.000	4028.000	44710.000	43660.000	72.304%	1.633
3	23:20:47	45.150	5117.000	0.000	4038.000	44840.000	43650.000	72.807%	1.763
x		44.650	5085.000	0.000	4014.000	44650.000	43470.000	71.986%	1.567
σ		0.630	28.070	0.000	33.340	227.700	321.800	1.018%	0.237
%RSD		1.411	0.552	0.000	0.831	0.510	0.740	1.414	15.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	-5.891	2.650	16.940	73.340	142.400	0.624	3.878	2.016
2	23:20:06	-4.529	2.990	17.640	65.990	137.900	0.579	2.944	2.162
3	23:20:47	-7.517	3.043	17.930	64.180	137.700	0.551	3.423	2.272
x		-5.979	2.894	17.500	67.840	139.300	0.585	3.415	2.150
σ		1.495	0.214	0.511	4.847	2.650	0.036	0.467	0.128
%RSD		25.010	7.382	2.918	7.145	1.902	6.216	13.680	5.964

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	1.914	20.540	22.000	-1.097	-0.365	-0.247	0.000	202.800
2	23:20:06	2.105	21.430	23.070	0.468	0.878	0.654	0.000	206.400
3	23:20:47	1.593	20.450	21.460	-0.529	-1.393	-1.154	0.000	204.300
x		1.871	20.800	22.180	-0.386	-0.294	-0.249	0.000	204.500
σ		0.259	0.543	0.819	0.793	1.137	0.904	0.000	1.815
%RSD		13.850	2.608	3.692	205.200	387.400	363.300	0.000	0.887

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	73.872%	0.155	0.018	71.216%	-0.001	-0.007	0.127	0.052
2	23:20:06	75.285%	-0.129	0.039	72.538%	-0.001	-0.001	0.088	0.091
3	23:20:47	76.421%	0.011	-0.063	73.512%	-0.001	0.004	-0.166	-0.071
x		75.193%	0.012	-0.002	72.422%	-0.001	-0.001	0.016	0.024
σ		1.277%	0.142	0.054	1.153%	0.000	0.005	0.159	0.085
%RSD		1.698	1183.000	3033.000	1.592	7.291	368.900	972.000	355.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	75.592%	5.024	0.050	0.088	78.080	76.030	82.290%	82.510%
2	23:20:06	77.803%	5.821	0.166	0.141	76.470	76.850	83.689%	85.430%
3	23:20:47	78.925%	4.781	0.127	0.097	79.370	78.020	84.677%	86.179%
x		77.440%	5.209	0.114	0.109	77.970	76.970	83.552%	84.706%
σ		1.696%	0.544	0.059	0.028	1.455	1.000	1.199%	1.939%
%RSD		2.190	10.450	52.020	25.720	1.866	1.300	1.435	2.289

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:24	0.078	0.063	0.107	0.087	0.089	79.871%
2	23:20:06	0.061	0.055	0.050	0.065	0.073	84.036%
3	23:20:47	0.064	0.048	0.064	0.090	0.078	83.781%
x		0.068	0.055	0.074	0.081	0.080	82.563%
σ		0.009	0.008	0.030	0.014	0.008	2.335%
%RSD		13.020	14.430	40.310	16.830	10.510	2.828

180-17219-A-18-A 12/29/2012 11:22:58 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	101.459%	-0.031	115.600	109.900	0.000	269700.000	45060.000	45190.000
2	23:24:21	104.073%	-0.031	117.200	110.500	0.000	266800.000	45500.000	45700.000
3	23:25:03	104.915%	-0.031	119.300	114.800	0.000	265600.000	45530.000	45780.000
x		103.482%	-0.031	117.400	111.700	0.000	267400.000	45360.000	45560.000
σ		1.802%	0.000	1.864	2.710	0.000	2145.000	261.500	322.500
%RSD		1.741	0.000	1.588	2.425	0.000	0.802	0.577	0.708
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	-3.470	3676.000	0.000	13190.000	200900.000	204700.000	75.984%	0.870
2	23:24:21	-3.941	3680.000	0.000	13070.000	203700.000	208400.000	77.150%	0.720
3	23:25:03	-3.975	3660.000	0.000	12960.000	201800.000	208400.000	77.676%	0.715
x		-3.795	3672.000	0.000	13070.000	202100.000	207200.000	76.937%	0.768
σ		0.282	10.930	0.000	115.300	1407.000	2113.000	0.866%	0.088
%RSD		7.438	0.298	0.000	0.882	0.696	1.020	1.126	11.440
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	-6.897	2.897	24.520	27.420	284.200	0.235	8.062	3.032
2	23:24:21	-9.042	3.159	25.010	27.790	263.700	0.276	7.925	2.307
3	23:25:03	-8.944	3.201	24.860	28.170	276.800	0.258	8.171	2.185
x		-8.294	3.086	24.790	27.790	274.900	0.256	8.053	2.508
σ		1.211	0.165	0.249	0.377	10.390	0.021	0.123	0.458
%RSD		14.600	5.332	1.003	1.355	3.780	8.154	1.532	18.250
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	2.196	4.861	5.231	-1.295	0.930	1.254	0.000	764.600
2	23:24:21	2.036	5.401	6.873	0.115	0.944	1.294	0.000	770.000
3	23:25:03	2.446	5.591	5.745	-1.577	1.425	0.806	0.000	772.900
x		2.226	5.284	5.950	-0.919	1.100	1.118	0.000	769.200
σ		0.206	0.379	0.840	0.907	0.282	0.271	0.000	4.193
%RSD		9.272	7.174	14.110	98.670	25.610	24.240	0.000	0.545
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	75.586%	0.062	0.089	71.047%	0.004	0.004	0.237	0.231
2	23:24:21	77.504%	-0.005	0.087	73.120%	0.004	0.010	0.170	0.094
3	23:25:03	77.806%	0.049	0.188	73.951%	-0.006	-0.002	0.181	0.126
x		76.965%	0.035	0.121	72.706%	0.000	0.004	0.196	0.150
σ		1.204%	0.036	0.058	1.496%	0.006	0.006	0.036	0.072
%RSD		1.565	101.100	47.890	2.057	1256.000	134.800	18.330	47.780
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:40	76.634%	5.320	0.092	0.101	246.300	241.000	83.533%	83.952%
2	23:24:21	78.316%	5.761	0.159	0.077	248.800	245.800	86.318%	86.861%
3	23:25:03	79.062%	5.634	0.083	0.069	248.200	246.700	87.249%	88.884%
x		78.004%	5.572	0.112	0.082	247.700	244.500	85.700%	86.566%
σ		1.243%	0.227	0.041	0.016	1.325	3.083	1.933%	2.479%
%RSD		1.594	4.075	37.140	19.940	0.535	1.261	2.256	2.864
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:23:40	0.058	0.059	0.040	0.033	0.033	77.417%		
2	23:24:21	0.039	0.037	0.033	0.021	0.034	81.827%		
3	23:25:03	0.032	0.054	0.029	0.012	0.036	82.609%		
x		0.043	0.050	0.034	0.022	0.034	80.618%		
σ		0.013	0.012	0.006	0.010	0.002	2.799%		
%RSD		31.300	23.770	17.100	46.100	4.498	3.472		

CCV 664806 12/29/2012 11:30:04 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	75.630%	104.500	96.980	92.790	0.000	47810.000	41230.000	41500.000
2	23:31:27	79.028%	102.800	98.820	95.020	0.000	47110.000	41060.000	41260.000
3	23:32:09	79.050%	104.100	88.260	97.770	0.000	47120.000	41490.000	41760.000
x		77.903%	103.793%	94.688%	95.194%	0.000	94.694%	82.517%	83.018%
σ		1.968%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.527	0.864	5.957	2.616	0.000	0.838	0.523	0.604

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	460.300	4821.000	0.000	48280.000	47040.000	47200.000	73.529%	97.780
2	23:31:27	455.900	4854.000	0.000	47870.000	48420.000	47150.000	75.489%	96.370
3	23:32:09	463.300	4864.000	0.000	47820.000	47540.000	47330.000	76.985%	104.000
x		91.968%	96.928%	0.000	95.984%	95.334%	94.455%	75.334%	99.383%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.734%	n/a
%RSD		0.808	0.470	0.000	0.524	1.460	0.200	2.301	4.088

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	94.490	96.690	476.600	24450.000	24110.000	98.210	97.460	101.000
2	23:31:27	95.930	98.250	479.600	24290.000	24350.000	99.220	100.800	101.600
3	23:32:09	97.180	98.960	481.500	24260.000	24490.000	98.520	99.670	103.200
x		95.865%	97.964%	95.849%	97.329%	97.255%	98.648%	99.320%	101.922%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.404	1.183	0.524	0.415	0.791	0.526	1.728	1.088

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	100.000	102.300	103.200	99.420	87.740	98.000	0.000	97.360
2	23:31:27	100.400	101.100	102.200	98.150	100.100	97.550	0.000	97.120
3	23:32:09	103.300	100.600	98.550	100.700	97.740	102.000	0.000	96.720
x		101.258%	101.310%	101.305%	99.435%	95.191%	99.169%	0.000	97.070%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.785	0.846	2.400	1.298	6.888	2.446	0.000	0.332

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	74.215%	97.940	98.310	73.337%	97.450	98.300	97.630	97.310
2	23:31:27	76.919%	98.020	102.400	75.987%	97.770	98.720	98.300	96.710
3	23:32:09	78.385%	102.300	101.300	77.765%	98.270	98.620	99.890	97.010
x		76.507%	99.429%	100.686%	75.696%	97.834%	98.547%	98.608%	97.010%
σ		2.115%	n/a	n/a	2.229%	n/a	n/a	n/a	n/a
%RSD		2.765	2.523	2.109	2.944	0.422	0.225	1.180	0.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	76.458%	98.990	98.500	98.360	95.990	96.180	80.706%	80.768%
2	23:31:27	79.218%	99.770	99.350	97.970	97.050	96.740	84.155%	85.215%
3	23:32:09	80.762%	100.300	97.050	97.790	97.850	97.400	85.077%	86.507%
x		78.812%	99.698%	98.304%	98.040%	96.961%	96.772%	83.313%	84.163%
σ		2.180%	n/a	n/a	n/a	n/a	n/a	2.304%	3.011%
%RSD		2.767	0.678	1.184	0.294	0.962	0.634	2.766	3.577

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:45	101.300	100.800	102.900	102.100	102.600	78.003%
2	23:31:27	101.100	101.600	102.200	102.000	102.500	81.456%
3	23:32:09	100.400	100.500	101.600	102.400	101.800	83.386%
x		100.935%	100.982%	102.219%	102.165%	102.308%	80.948%
σ		n/a	n/a	n/a	n/a	n/a	2.727%
%RSD		0.434	0.599	0.649	0.247	0.395	3.369

CCB8 12/29/2012 11:37:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	89.084%	-0.031	0.838	1.742	0.000	-30.050	21.910	21.630
2	23:38:35	90.198%	0.037	2.904	1.711	0.000	-18.980	26.790	27.520
3	23:39:17	90.701%	0.037	0.073	1.551	0.000	-35.750	20.700	21.330
x		89.994%	0.014	1.271	1.668	0.000	-28.260	23.130	23.490
σ		0.828%	0.039	1.464	0.102	0.000	8.529	3.226	3.491
%RSD		0.920	270.900	115.200	6.128	0.000	30.180	13.950	14.860

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	-1.821	2.459	0.000	9.968	39.860	47.140	83.805%	0.161
2	23:38:35	-1.014	2.811	0.000	15.260	87.480	55.460	84.284%	0.221
3	23:39:17	-2.083	2.860	0.000	4.170	65.590	49.780	85.051%	0.157
x		-1.639	2.710	0.000	9.801	64.310	50.790	84.380%	0.180
σ		0.557	0.219	0.000	5.549	23.840	4.252	0.628%	0.036
%RSD		33.980	8.074	0.000	56.620	37.070	8.372	0.745	19.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.108	0.025	0.356	17.440	27.650	0.050	0.176	0.489
2	23:38:35	0.227	0.018	0.427	16.470	26.690	0.041	0.153	0.534
3	23:39:17	0.078	-0.023	0.377	12.000	20.830	0.049	0.173	0.331
x		0.138	0.007	0.387	15.300	25.060	0.047	0.167	0.451
σ		0.079	0.026	0.036	2.898	3.695	0.005	0.012	0.107
%RSD		57.210	374.900	9.315	18.940	14.750	9.669	7.216	23.650

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.189	0.484	0.335	-0.065	-0.336	-0.015	0.000	0.470
2	23:38:35	0.352	0.503	0.353	-0.280	-0.469	-0.980	0.000	0.752
3	23:39:17	0.432	0.338	0.426	-0.406	-1.652	-1.393	0.000	0.502
x		0.325	0.442	0.372	-0.250	-0.819	-0.796	0.000	0.575
σ		0.124	0.090	0.048	0.173	0.725	0.707	0.000	0.154
%RSD		38.050	20.410	13.040	68.970	88.470	88.840	0.000	26.780

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	82.568%	0.327	0.314	80.453%	0.065	0.055	0.040	0.045
2	23:38:35	82.878%	0.101	0.158	81.005%	0.051	0.075	-0.009	0.010
3	23:39:17	82.860%	0.179	0.254	81.072%	0.065	0.034	0.094	0.031
x		82.769%	0.202	0.242	80.843%	0.060	0.055	0.042	0.029
σ		0.174%	0.115	0.079	0.340%	0.008	0.021	0.051	0.018
%RSD		0.210	56.680	32.570	0.421	13.850	37.610	123.500	61.090

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	80.581%	0.292	0.093	0.062	0.182	0.207	82.077%	82.570%
2	23:38:35	81.059%	0.661	0.087	0.061	0.314	0.410	83.257%	84.027%
3	23:39:17	81.364%	0.724	0.050	0.014	0.177	0.219	83.886%	84.408%
x		81.001%	0.559	0.077	0.046	0.224	0.279	83.073%	83.669%
σ		0.395%	0.233	0.023	0.027	0.077	0.114	0.918%	0.970%
%RSD		0.488	41.740	30.240	59.990	34.520	41.010	1.106	1.160

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:53	0.102	0.095	0.053	0.040	0.044	84.876%
2	23:38:35	0.054	0.117	0.059	0.043	0.064	85.926%
3	23:39:17	0.071	0.055	0.044	0.063	0.059	86.670%
x		0.076	0.089	0.052	0.049	0.056	85.824%
σ		0.025	0.032	0.007	0.012	0.010	0.901%
%RSD		32.370	35.380	14.320	25.120	18.510	1.050

180-17219-A-19-A 12/29/2012 11:41:30 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	92.335%	-0.031	61.450	57.080	0.000	68800.000	15760.000	15760.000
2	23:42:53	95.122%	-0.031	56.540	58.420	0.000	68050.000	15740.000	15750.000
3	23:43:35	96.978%	0.034	57.040	58.670	0.000	67520.000	15720.000	15770.000
x		94.812%	-0.009	58.340	58.050	0.000	68120.000	15740.000	15760.000
σ		2.337%	0.037	2.702	0.857	0.000	640.700	23.050	9.331
%RSD		2.465	405.200	4.630	1.475	0.000	0.940	0.146	0.059

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	2.978	4546.000	0.000	1306.000	48010.000	47520.000	69.073%	1.491
2	23:42:53	2.571	4531.000	0.000	1316.000	48040.000	47580.000	70.887%	0.864
3	23:43:35	2.913	4516.000	0.000	1319.000	47250.000	47340.000	71.523%	1.292
x		2.821	4531.000	0.000	1314.000	47770.000	47480.000	70.494%	1.216
σ		0.219	14.960	0.000	6.548	444.300	121.900	1.272%	0.320
%RSD		7.748	0.330	0.000	0.498	0.930	0.257	1.804	26.340

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	-8.171	2.146	13.370	25.490	98.780	0.057	4.875	1.595
2	23:42:53	-6.646	2.450	13.450	20.510	81.650	0.045	4.769	1.583
3	23:43:35	-8.473	2.668	13.480	19.740	85.960	0.072	5.627	1.827
x		-7.763	2.422	13.430	21.920	88.790	0.058	5.090	1.668
σ		0.979	0.262	0.054	3.119	8.913	0.013	0.468	0.137
%RSD		12.610	10.820	0.403	14.230	10.040	23.100	9.191	8.234

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	1.209	3.312	2.313	1.039	2.236	0.332	0.000	241.700
2	23:42:53	1.357	2.795	2.678	-2.382	0.389	1.077	0.000	239.700
3	23:43:35	2.237	2.401	3.120	-0.444	2.002	0.960	0.000	242.600
x		1.601	2.836	2.703	-0.596	1.542	0.790	0.000	241.400
σ		0.556	0.457	0.404	1.716	1.006	0.401	0.000	1.490
%RSD		34.720	16.110	14.940	288.000	65.220	50.790	0.000	0.617

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	69.501%	0.370	0.286	67.687%	0.010	0.011	0.134	0.017
2	23:42:53	72.025%	0.257	0.110	69.633%	-0.001	-0.007	0.084	-0.076
3	23:43:35	72.219%	0.072	0.133	70.600%	0.010	-0.001	-0.173	-0.080
x		71.248%	0.233	0.176	69.307%	0.006	0.001	0.015	-0.046
σ		1.517%	0.150	0.096	1.484%	0.006	0.009	0.165	0.055
%RSD		2.129	64.380	54.290	2.141	101.600	998.300	1095.000	118.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	71.671%	9.525	0.118	0.140	115.500	115.300	77.905%	78.345%
2	23:42:53	74.851%	7.653	0.095	0.119	116.800	116.700	80.214%	80.777%
3	23:43:35	74.428%	6.792	0.107	0.076	115.800	114.900	80.939%	82.927%
x		73.650%	7.990	0.107	0.112	116.000	115.600	79.686%	80.683%
σ		1.727%	1.397	0.011	0.033	0.666	0.969	1.584%	2.292%
%RSD		2.344	17.490	10.570	29.350	0.574	0.838	1.988	2.841

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:12	0.060	0.051	0.046	0.034	0.044	75.702%
2	23:42:53	0.042	0.043	0.012	0.032	0.023	78.591%
3	23:43:35	0.012	0.038	0.023	0.009	0.027	80.133%
x		0.038	0.044	0.027	0.025	0.031	78.142%
σ		0.024	0.006	0.017	0.014	0.011	2.249%
%RSD		63.510	14.590	63.400	54.720	35.350	2.878

180-17219-A-20-A 12/29/2012 11:45:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	84.823%	0.006	80.390	74.430	0.000	218600.000	96610.000	96530.000
2	23:47:10	86.774%	0.005	78.430	77.000	0.000	215300.000	95090.000	94920.000
3	23:47:51	88.412%	-0.031	76.440	72.940	0.000	211900.000	93800.000	93930.000
x		86.670%	-0.006	78.420	74.790	0.000	215300.000	95170.000	95130.000
σ		1.797%	0.021	1.974	2.050	0.000	3380.000	1409.000	1310.000
%RSD		2.073	323.500	2.518	2.741	0.000	1.570	1.480	1.378

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	240.100	10430.000	0.000	21310.000	143000.000	147100.000	65.094%	11.150
2	23:47:10	243.500	10400.000	0.000	21000.000	146900.000	146900.000	66.628%	12.830
3	23:47:51	238.500	10330.000	0.000	20790.000	146300.000	147200.000	67.005%	12.060
x		240.700	10390.000	0.000	21040.000	145400.000	147000.000	66.242%	12.010
σ		2.541	54.640	0.000	261.500	2099.000	134.400	1.012%	0.841
%RSD		1.056	0.526	0.000	1.243	1.444	0.091	1.528	7.003

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	-2.847	1.240	2826.000	114100.000	116800.000	0.231	0.597	2.966
2	23:47:10	-1.786	1.351	2823.000	112000.000	117100.000	0.321	0.386	3.144
3	23:47:51	-2.648	1.176	2845.000	111500.000	117300.000	0.242	1.167	3.580
x		-2.427	1.256	2831.000	112600.000	117100.000	0.265	0.717	3.230
σ		0.564	0.089	11.500	1376.000	271.900	0.049	0.404	0.316
%RSD		23.230	7.056	0.406	1.223	0.232	18.520	56.360	9.770

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	2.962	4.784	6.697	1.243	-0.728	-0.609	0.000	833.800
2	23:47:10	2.590	4.888	6.610	1.696	-0.837	0.155	0.000	828.700
3	23:47:51	3.056	5.338	5.563	1.239	-0.427	1.049	0.000	841.000
x		2.869	5.003	6.290	1.393	-0.664	0.199	0.000	834.500
σ		0.247	0.294	0.631	0.263	0.212	0.830	0.000	6.160
%RSD		8.595	5.881	10.030	18.870	31.960	417.600	0.000	0.738

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	66.931%	0.107	0.012	64.172%	0.017	-0.007	0.028	-0.077
2	23:47:10	69.366%	-0.081	0.012	66.162%	-0.001	-0.007	-0.048	-0.118
3	23:47:51	69.700%	-0.052	0.017	67.440%	0.010	-0.007	-0.051	0.011
x		68.665%	-0.009	0.014	65.924%	0.009	-0.007	-0.024	-0.061
σ		1.511%	0.101	0.003	1.647%	0.009	0.000	0.045	0.066
%RSD		2.201	1161.000	21.630	2.498	102.300	0.000	190.800	107.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	69.565%	5.553	0.152	0.099	467.800	465.700	76.502%	78.720%
2	23:47:10	72.007%	5.581	0.076	0.138	463.900	467.600	80.944%	81.361%
3	23:47:51	74.353%	4.620	0.152	0.141	469.100	469.900	80.755%	82.825%
x		71.975%	5.251	0.127	0.126	466.900	467.700	79.400%	80.969%
σ		2.394%	0.547	0.044	0.024	2.717	2.073	2.512%	2.081%
%RSD		3.326	10.420	34.670	18.860	0.582	0.443	3.164	2.570

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:28	0.035	0.022	2.008	1.997	2.080	73.901%
2	23:47:10	0.023	0.011	2.261	2.117	2.138	78.216%
3	23:47:51	0.032	0.030	2.248	2.203	2.262	79.018%
x		0.030	0.021	2.172	2.106	2.160	77.045%
σ		0.006	0.009	0.142	0.104	0.093	2.752%
%RSD		21.590	45.570	6.547	4.934	4.301	3.572

180-17219-A-21-A 12/29/2012 11:50:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	87.651%	0.005	121.400	121.600	0.000	94660.000	29040.000	29060.000
2	23:51:26	89.185%	-0.031	122.700	125.400	0.000	93570.000	28990.000	29040.000
3	23:52:08	90.293%	-0.031	125.200	120.100	0.000	93520.000	28830.000	29100.000
x		89.043%	-0.019	123.100	122.300	0.000	93920.000	28960.000	29060.000
σ		1.327%	0.020	1.909	2.764	0.000	642.800	109.200	30.200
%RSD		1.490	108.700	1.551	2.259	0.000	0.685	0.377	0.104

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	-1.848	6871.000	0.000	4838.000	52860.000	53010.000	68.225%	1.510
2	23:51:26	-2.055	6857.000	0.000	4844.000	53520.000	52950.000	68.984%	1.416
3	23:52:08	-1.221	6882.000	0.000	4869.000	53530.000	53290.000	68.916%	2.093
x		-1.708	6870.000	0.000	4850.000	53310.000	53080.000	68.708%	1.673
σ		0.435	12.520	0.000	16.540	384.700	177.900	0.420%	0.367
%RSD		25.450	0.182	0.000	0.341	0.722	0.335	0.611	21.950

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	-2.135	0.366	1948.000	46210.000	47060.000	4.121	1.916	2.954
2	23:51:26	-3.715	0.323	1961.000	45730.000	47310.000	4.392	1.870	2.785
3	23:52:08	-3.367	0.570	1960.000	45740.000	47450.000	4.134	1.941	2.826
x		-3.072	0.419	1956.000	45890.000	47270.000	4.216	1.909	2.855
σ		0.830	0.132	7.024	271.800	195.400	0.153	0.036	0.088
%RSD		27.010	31.410	0.359	0.592	0.413	3.631	1.886	3.093

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	2.696	12.330	10.250	9.001	-1.434	-1.382	0.000	387.900
2	23:51:26	2.491	11.390	13.000	11.320	-0.537	-0.163	0.000	380.300
3	23:52:08	2.656	11.880	12.630	8.056	-2.062	-1.086	0.000	382.500
x		2.614	11.870	11.960	9.458	-1.344	-0.877	0.000	383.500
σ		0.109	0.469	1.490	1.679	0.766	0.636	0.000	3.938
%RSD		4.170	3.952	12.450	17.750	57.010	72.540	0.000	1.027

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	69.715%	0.022	0.126	69.126%	0.015	-0.001	0.058	-0.016
2	23:51:26	71.864%	0.088	-0.043	71.002%	0.015	0.016	-0.097	-0.050
3	23:52:08	72.322%	0.116	0.094	71.178%	0.004	0.010	0.103	-0.027
x		71.300%	0.075	0.059	70.435%	0.011	0.008	0.021	-0.031
σ		1.392%	0.048	0.089	1.137%	0.006	0.009	0.105	0.017
%RSD		1.952	63.790	151.400	1.614	55.770	105.000	494.600	56.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	73.713%	4.556	0.142	0.165	56.750	57.830	80.298%	81.638%
2	23:51:26	75.508%	4.601	0.272	0.231	55.740	55.850	82.170%	84.659%
3	23:52:08	77.090%	4.654	0.223	0.121	58.090	58.450	83.087%	84.757%
x		75.437%	4.603	0.212	0.172	56.860	57.380	81.852%	83.685%
σ		1.690%	0.049	0.065	0.055	1.181	1.355	1.421%	1.773%
%RSD		2.240	1.064	30.770	32.150	2.077	2.362	1.736	2.119

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:45	0.022	0.009	0.449	0.471	0.417	79.483%
2	23:51:26	0.029	0.006	0.394	0.451	0.454	82.671%
3	23:52:08	0.011	0.018	0.397	0.456	0.414	82.677%
x		0.021	0.011	0.413	0.459	0.428	81.610%
σ		0.009	0.006	0.031	0.010	0.022	1.842%
%RSD		43.440	58.330	7.455	2.183	5.161	2.257

180-17219-A-22-A 12/29/2012 11:54:20 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	86.138%	0.005	106.100	105.800	0.000	74990.000	23390.000	23360.000
2	23:55:43	89.603%	0.074	104.500	109.700	0.000	74250.000	23340.000	23430.000
3	23:56:25	90.558%	0.004	111.800	108.300	0.000	73350.000	23110.000	23170.000
x		88.766%	0.028	107.500	107.900	0.000	74200.000	23280.000	23320.000
σ		2.326%	0.040	3.843	1.957	0.000	822.500	146.300	135.300
%RSD		2.620	144.400	3.576	1.813	0.000	1.109	0.628	0.580

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	192.500	7236.000	0.000	2934.000	43720.000	43320.000	66.712%	8.926
2	23:55:43	192.500	7206.000	0.000	2971.000	44460.000	44050.000	67.264%	10.700
3	23:56:25	188.000	7123.000	0.000	2936.000	43470.000	43530.000	67.814%	9.078
x		191.000	7188.000	0.000	2947.000	43890.000	43630.000	67.263%	9.568
σ		2.591	58.220	0.000	20.420	517.200	376.600	0.551%	0.983
%RSD		1.357	0.810	0.000	0.693	1.178	0.863	0.819	10.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	-1.869	1.365	774.000	34520.000	34900.000	0.340	1.914	3.469
2	23:55:43	-1.459	1.259	785.600	34270.000	35140.000	0.346	2.237	4.003
3	23:56:25	-1.121	1.164	780.500	33830.000	34800.000	0.322	2.015	3.861
x		-1.483	1.263	780.000	34210.000	34950.000	0.336	2.055	3.778
σ		0.375	0.100	5.786	347.200	175.900	0.012	0.165	0.277
%RSD		25.250	7.934	0.742	1.015	0.503	3.639	8.036	7.320

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	3.040	8.119	9.048	16.980	-0.846	-0.983	0.000	278.100
2	23:55:43	3.258	8.421	9.704	18.540	-0.463	-0.991	0.000	281.800
3	23:56:25	3.432	8.818	9.699	16.750	-0.666	-0.684	0.000	279.600
x		3.243	8.453	9.484	17.420	-0.658	-0.886	0.000	279.800
σ		0.196	0.350	0.377	0.972	0.192	0.175	0.000	1.864
%RSD		6.044	4.143	3.978	5.580	29.170	19.710	0.000	0.666

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	69.612%	0.164	0.167	68.476%	-0.006	-0.007	-0.093	-0.139
2	23:55:43	70.517%	0.202	0.169	69.750%	0.015	-0.007	-0.157	-0.186
3	23:56:25	72.042%	0.178	0.244	70.708%	-0.001	0.004	-0.092	-0.129
x		70.723%	0.181	0.193	69.645%	0.002	-0.003	-0.114	-0.151
σ		1.228%	0.020	0.044	1.120%	0.011	0.007	0.037	0.030
%RSD		1.737	10.760	22.820	1.608	455.000	206.400	32.690	20.050

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	73.415%	3.826	0.389	0.370	77.380	77.090	80.411%	80.969%
2	23:55:43	75.828%	3.608	0.316	0.309	78.430	75.060	81.322%	82.741%
3	23:56:25	75.800%	3.861	0.287	0.322	77.060	77.090	83.049%	85.197%
x		75.014%	3.765	0.330	0.334	77.620	76.410	81.594%	82.969%
σ		1.385%	0.137	0.052	0.032	0.717	1.170	1.340%	2.123%
%RSD		1.847	3.645	15.840	9.665	0.923	1.531	1.642	2.559

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:01	0.003	0.014	1.053	1.156	1.120	79.021%
2	23:55:43	0.009	0.008	1.120	1.064	1.101	81.903%
3	23:56:25	-0.007	0.015	1.155	1.088	1.143	83.527%
x		0.002	0.013	1.109	1.103	1.121	81.484%
σ		0.008	0.004	0.052	0.047	0.021	2.282%
%RSD		456.300	29.560	4.697	4.304	1.868	2.801

180-17219-A-23-A 12/29/2012 11:58:37 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	86.598%	0.005	54.320	58.020	0.000	154700.000	74520.000	75150.000
2	00:00:01	89.765%	0.004	55.260	56.510	0.000	150400.000	66180.000	73060.000
3	00:00:43	89.773%	0.004	58.380	55.700	0.000	151000.000	72690.000	73680.000
x		88.712%	0.004	55.980	56.740	0.000	152000.000	71130.000	73960.000
σ		1.831%	0.001	2.125	1.176	0.000	2340.000	4387.000	1074.000
%RSD		2.064	16.050	3.795	2.072	0.000	1.539	6.167	1.452
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	52.750	9246.000	0.000	5472.000	67130.000	65890.000	68.151%	13.230
2	00:00:01	49.130	9137.000	0.000	5483.000	67610.000	65960.000	69.468%	11.250
3	00:00:43	50.210	9208.000	0.000	5478.000	66080.000	66280.000	69.748%	12.480
x		50.690	9197.000	0.000	5478.000	66940.000	66040.000	69.122%	12.320
σ		1.858	55.580	0.000	5.671	778.700	206.000	0.853%	0.998
%RSD		3.665	0.604	0.000	0.104	1.163	0.312	1.234	8.102
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	-1.094	1.182	4042.000	48660.000	49790.000	0.319	2.577	5.790
2	00:00:01	0.959	1.133	4036.000	47780.000	49600.000	0.338	2.156	6.448
3	00:00:43	-0.169	1.062	4049.000	47810.000	50100.000	0.399	2.269	6.408
x		-0.101	1.125	4043.000	48090.000	49830.000	0.352	2.334	6.215
σ		1.028	0.060	6.688	500.800	252.300	0.042	0.218	0.369
%RSD		1019.000	5.368	0.165	1.041	0.506	11.900	9.326	5.934
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	5.474	9.072	11.080	25.510	-0.060	-0.697	0.000	486.300
2	00:00:01	5.836	9.928	10.740	24.870	-0.591	-0.887	0.000	479.800
3	00:00:43	6.077	9.671	9.230	26.020	-0.697	0.359	0.000	489.400
x		5.796	9.557	10.350	25.470	-0.449	-0.409	0.000	485.200
σ		0.304	0.439	0.984	0.579	0.341	0.671	0.000	4.899
%RSD		5.238	4.598	9.508	2.272	75.960	164.300	0.000	1.010
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	70.648%	0.543	0.758	68.860%	-0.006	0.022	0.018	-0.097
2	00:00:01	73.158%	0.783	0.808	70.940%	0.004	0.004	0.132	0.051
3	00:00:43	72.204%	0.716	0.712	70.876%	-0.001	0.016	-0.160	-0.223
x		72.003%	0.680	0.760	70.225%	-0.001	0.014	-0.003	-0.089
σ		1.267%	0.124	0.048	1.183%	0.005	0.009	0.147	0.137
%RSD		1.760	18.210	6.289	1.684	459.700	63.910	4368.000	153.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:19	73.403%	3.511	0.702	0.669	209.800	208.200	81.292%	82.568%
2	00:00:01	75.072%	3.867	0.606	0.687	206.500	207.400	84.590%	84.897%
3	00:00:43	76.396%	3.893	0.620	0.714	210.100	206.000	83.448%	85.022%
x		74.957%	3.757	0.643	0.690	208.800	207.200	83.110%	84.162%
σ		1.500%	0.213	0.052	0.022	1.978	1.127	1.675%	1.382%
%RSD		2.001	5.672	8.047	3.242	0.947	0.544	2.015	1.642
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:59:19	0.003	0.012	1.772	1.834	1.759	79.349%		
2	00:00:01	0.012	0.006	1.757	1.679	1.821	81.695%		
3	00:00:43	-0.010	0.001	1.727	1.957	1.828	82.099%		
x		0.002	0.006	1.752	1.823	1.803	81.048%		
σ		0.011	0.005	0.023	0.139	0.038	1.485%		
%RSD		614.700	89.590	1.308	7.641	2.117	1.832		

180-17219-A-24-A 12/30/2012 12:02:55 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	88.869%	0.004	55.510	59.250	0.000	155000.000	59600.000	66560.000
2	00:04:18	90.577%	0.004	64.400	56.860	0.000	154300.000	59980.000	66250.000
3	00:05:00	89.986%	0.038	59.990	61.000	0.000	154100.000	60140.000	65710.000
x		89.810%	0.015	59.960	59.040	0.000	154500.000	59910.000	66170.000
σ		0.868%	0.020	4.447	2.081	0.000	464.500	277.500	430.200
%RSD		0.966	128.500	7.415	3.524	0.000	0.301	0.463	0.650

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	114.900	7830.000	0.000	5062.000	66580.000	66160.000	69.372%	6.118
2	00:04:18	117.900	7858.000	0.000	5097.000	66300.000	67000.000	69.954%	7.397
3	00:05:00	95.810	7849.000	0.000	5111.000	66870.000	67050.000	69.990%	6.576
x		109.500	7845.000	0.000	5090.000	66580.000	66740.000	69.772%	6.697
σ		11.970	14.470	0.000	25.200	283.000	499.200	0.346%	0.648
%RSD		10.930	0.185	0.000	0.495	0.425	0.748	0.497	9.674

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	-0.720	0.495	1505.000	79500.000	82870.000	1.211	0.541	11.950
2	00:04:18	-2.482	0.381	1519.000	79040.000	83630.000	1.052	1.016	12.140
3	00:05:00	-1.909	0.569	1524.000	78450.000	83550.000	1.076	0.523	11.780
x		-1.704	0.482	1516.000	79000.000	83350.000	1.113	0.693	11.960
σ		0.899	0.095	9.735	528.000	417.300	0.085	0.280	0.178
%RSD		52.770	19.730	0.642	0.668	0.501	7.676	40.320	1.487

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	12.030	13.880	13.740	8.610	-0.523	0.303	0.000	594.400
2	00:04:18	11.110	13.460	14.340	6.608	-0.995	-0.408	0.000	602.500
3	00:05:00	11.180	13.290	13.920	7.234	-0.748	0.011	0.000	602.800
x		11.440	13.540	14.000	7.484	-0.755	-0.031	0.000	599.900
σ		0.516	0.307	0.311	1.024	0.236	0.358	0.000	4.746
%RSD		4.510	2.264	2.224	13.690	31.280	1135.000	0.000	0.791

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	71.348%	-0.121	-0.068	70.125%	0.004	0.004	0.146	-0.045
2	00:04:18	72.907%	-0.140	-0.027	71.720%	0.004	0.015	-0.171	-0.199
3	00:05:00	73.606%	0.021	-0.011	72.132%	0.004	0.004	-0.002	-0.063
x		72.620%	-0.080	-0.035	71.326%	0.004	0.008	-0.009	-0.102
σ		1.156%	0.088	0.029	1.060%	0.000	0.006	0.158	0.084
%RSD		1.592	109.500	82.200	1.486	3.922	79.350	1719.000	82.580

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	75.007%	3.440	0.123	0.161	194.900	196.300	81.390%	84.322%
2	00:04:18	77.283%	3.662	0.195	0.142	203.800	197.400	83.941%	86.134%
3	00:05:00	76.925%	3.081	0.146	0.183	203.100	197.500	86.123%	86.420%
x		76.405%	3.394	0.155	0.162	200.600	197.100	83.818%	85.625%
σ		1.224%	0.293	0.037	0.021	4.931	0.681	2.369%	1.138%
%RSD		1.602	8.638	23.710	12.880	2.458	0.346	2.826	1.329

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:37	-0.000	0.006	2.089	1.971	2.025	79.712%
2	00:04:18	0.005	0.024	1.935	1.944	2.051	82.998%
3	00:05:00	0.002	0.010	1.990	2.157	2.046	83.927%
x		0.002	0.013	2.005	2.024	2.041	82.212%
σ		0.003	0.009	0.078	0.116	0.014	2.215%
%RSD		111.100	68.370	3.906	5.741	0.665	2.694

180-17288-A-1-A 12/30/2012 12:07:13 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	101.939%	0.031	231.400	224.000	0.000	119900.000	119300.000	119700.000
2	00:08:36	106.318%	-0.031	226.800	224.800	0.000	120000.000	119300.000	119800.000
3	00:09:18	105.663%	0.087	241.100	229.700	0.000	121000.000	120000.000	120500.000
x		104.640%	0.029	233.100	226.200	0.000	120300.000	119500.000	120000.000
σ		2.362%	0.059	7.274	3.076	0.000	610.500	403.000	438.400
%RSD		2.257	202.800	3.121	1.360	0.000	0.508	0.337	0.365
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	304.100	9266.000	0.000	13910.000	113300.000	112700.000	75.901%	12.640
2	00:08:36	308.000	9413.000	0.000	13920.000	114300.000	114400.000	78.268%	10.660
3	00:09:18	311.200	9503.000	0.000	13900.000	114200.000	113900.000	79.367%	10.770
x		307.800	9394.000	0.000	13910.000	113900.000	113700.000	77.845%	11.350
σ		3.522	119.400	0.000	12.240	580.000	877.100	1.771%	1.112
%RSD		1.144	1.271	0.000	0.088	0.509	0.772	2.275	9.789
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	-6.902	2.543	1668.000	589.200	857.300	17.200	4.534	3.230
2	00:08:36	-7.174	3.276	1682.000	612.400	899.900	17.620	4.755	3.181
3	00:09:18	-10.360	3.194	1688.000	619.000	891.100	16.950	5.235	3.263
x		-8.146	3.004	1679.000	606.900	882.800	17.260	4.841	3.225
σ		1.925	0.402	10.330	15.670	22.510	0.338	0.358	0.041
%RSD		23.620	13.380	0.615	2.581	2.550	1.957	7.399	1.283
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	3.028	5.017	6.264	1.097	1.026	1.458	0.000	768.000
2	00:08:36	3.330	5.410	6.107	-0.274	0.338	2.887	0.000	770.300
3	00:09:18	2.624	4.901	5.151	0.306	1.175	1.088	0.000	776.400
x		2.994	5.109	5.841	0.377	0.846	1.811	0.000	771.600
σ		0.354	0.267	0.602	0.688	0.446	0.950	0.000	4.349
%RSD		11.830	5.229	10.310	182.800	52.730	52.440	0.000	0.564
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	76.286%	0.397	0.360	73.650%	0.004	-0.007	0.083	-0.090
2	00:08:36	79.435%	0.562	0.522	76.360%	0.048	0.035	-0.160	-0.148
3	00:09:18	79.657%	0.297	0.558	77.190%	0.008	0.014	0.035	-0.053
x		78.459%	0.419	0.480	75.733%	0.020	0.014	-0.014	-0.097
σ		1.885%	0.134	0.105	1.852%	0.024	0.021	0.129	0.048
%RSD		2.403	31.990	21.960	2.445	121.800	149.700	905.400	49.670
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	79.310%	2.974	0.105	0.151	297.000	294.600	85.795%	86.735%
2	00:08:36	81.114%	4.026	0.050	0.160	296.800	296.800	88.947%	90.263%
3	00:09:18	81.377%	4.284	0.153	0.232	307.600	298.100	89.038%	90.806%
x		80.600%	3.761	0.102	0.181	300.500	296.500	87.927%	89.268%
σ		1.125%	0.694	0.051	0.044	6.175	1.777	1.847%	2.210%
%RSD		1.396	18.450	50.300	24.580	2.055	0.599	2.100	2.476
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:07:55	0.030	0.059	0.477	0.411	0.466	81.412%		
2	00:08:36	0.034	0.038	0.499	0.478	0.474	85.061%		
3	00:09:18	0.059	0.081	0.429	0.512	0.453	86.183%		
x		0.041	0.059	0.468	0.467	0.464	84.219%		
σ		0.016	0.021	0.036	0.051	0.010	2.495%		
%RSD		38.570	35.980	7.672	10.920	2.231	2.962		

180-17288-A-2-A 12/30/2012 12:11:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	89.701%	-0.031	229.800	213.100	0.000	121800.000	105400.000	105400.000
2	00:12:54	92.800%	-0.031	219.900	213.300	0.000	120400.000	104500.000	104300.000
3	00:13:36	92.412%	-0.031	227.800	208.700	0.000	120600.000	104700.000	104500.000
x		91.638%	-0.031	225.900	211.700	0.000	120900.000	104900.000	104800.000
σ		1.688%	0.000	5.230	2.634	0.000	772.000	485.300	610.300
%RSD		1.842	0.000	2.316	1.244	0.000	0.638	0.463	0.583
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	-2.563	7277.000	0.000	13630.000	97230.000	97210.000	70.360%	2.422
2	00:12:54	-2.986	7259.000	0.000	13610.000	97650.000	98360.000	70.325%	1.314
3	00:13:36	-2.869	7268.000	0.000	13610.000	98460.000	98690.000	70.451%	1.827
x		-2.806	7268.000	0.000	13610.000	97780.000	98090.000	70.379%	1.855
σ		0.218	8.904	0.000	13.490	626.100	775.800	0.065%	0.554
%RSD		7.780	0.123	0.000	0.099	0.640	0.791	0.092	29.900
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	-4.782	1.217	1033.000	13830.000	13860.000	1.246	1.175	2.074
2	00:12:54	-3.388	1.023	1048.000	13860.000	14060.000	1.164	0.967	1.865
3	00:13:36	-5.535	0.961	1046.000	13780.000	14070.000	1.441	1.027	2.103
x		-4.568	1.067	1042.000	13820.000	14000.000	1.284	1.056	2.014
σ		1.089	0.134	8.110	40.010	117.900	0.142	0.107	0.130
%RSD		23.850	12.560	0.778	0.289	0.842	11.090	10.110	6.464
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	1.726	2.408	1.877	4.103	-1.890	-1.792	0.000	765.600
2	00:12:54	1.877	1.703	2.909	4.728	-1.379	-0.672	0.000	767.200
3	00:13:36	1.408	1.587	2.845	3.261	-1.119	-0.013	0.000	767.100
x		1.670	1.900	2.544	4.030	-1.463	-0.826	0.000	766.600
σ		0.239	0.444	0.578	0.736	0.392	0.900	0.000	0.917
%RSD		14.320	23.380	22.730	18.260	26.820	108.900	0.000	0.120
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	70.335%	0.253	0.145	68.630%	0.005	-0.001	0.108	0.062
2	00:12:54	71.908%	0.332	0.211	69.947%	-0.001	-0.001	0.018	-0.033
3	00:13:36	72.345%	0.073	0.134	70.396%	-0.001	0.010	0.005	0.026
x		71.529%	0.219	0.163	69.658%	0.001	0.003	0.044	0.018
σ		1.057%	0.133	0.042	0.918%	0.003	0.007	0.056	0.048
%RSD		1.478	60.650	25.450	1.317	421.900	248.700	127.700	258.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:13	72.478%	3.374	0.035	0.056	184.400	184.600	79.516%	81.003%
2	00:12:54	74.901%	2.975	0.045	0.061	184.400	186.200	80.761%	83.112%
3	00:13:36	75.279%	3.132	0.055	0.060	188.700	183.900	82.427%	83.796%
x		74.220%	3.160	0.045	0.059	185.800	184.900	80.901%	82.637%
σ		1.520%	0.201	0.010	0.002	2.444	1.192	1.461%	1.456%
%RSD		2.048	6.351	22.330	4.162	1.315	0.645	1.806	1.761
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:12:13	0.004	0.005	0.030	0.025	0.033	75.692%		
2	00:12:54	0.010	0.013	0.062	0.032	0.052	79.030%		
3	00:13:36	0.000	0.010	0.031	0.062	0.049	79.577%		
x		0.005	0.009	0.041	0.039	0.045	78.100%		
σ		0.005	0.004	0.018	0.020	0.010	2.103%		
%RSD		102.700	42.900	44.800	49.550	23.100	2.692		

180-17288-A-3-A 12/30/2012 12:15:50 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	100.415%	0.000	124.700	115.900	0.000	59620.000	56420.000	63130.000
2	00:17:13	104.295%	-0.031	126.400	116.400	0.000	59110.000	62670.000	63190.000
3	00:17:54	106.915%	-0.031	116.100	114.100	0.000	58590.000	62150.000	62540.000
x		103.875%	-0.020	122.400	115.500	0.000	59110.000	60410.000	62950.000
σ		3.270%	0.018	5.514	1.170	0.000	515.800	3470.000	359.500
%RSD		3.148	88.520	4.504	1.013	0.000	0.873	5.744	0.571

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	-3.763	7647.000	0.000	3597.000	68890.000	68560.000	74.200%	0.965
2	00:17:13	-38.810	7710.000	0.000	3642.000	70570.000	69750.000	75.653%	0.807
3	00:17:54	-4.153	7688.000	0.000	3609.000	70010.000	68960.000	76.958%	1.062
x		-15.580	7682.000	0.000	3616.000	69820.000	69090.000	75.603%	0.945
σ		20.120	32.100	0.000	23.300	853.900	608.100	1.380%	0.129
%RSD		129.200	0.418	0.000	0.644	1.223	0.880	1.825	13.660

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	-10.530	2.040	2143.000	42.770	138.300	3.008	2.689	1.978
2	00:17:13	-10.380	2.135	2167.000	36.040	118.100	3.156	2.623	1.857
3	00:17:54	-9.677	2.093	2167.000	35.000	127.600	3.081	2.489	1.883
x		-10.200	2.090	2159.000	37.930	128.000	3.082	2.600	1.906
σ		0.457	0.048	13.600	4.219	10.080	0.074	0.102	0.064
%RSD		4.479	2.281	0.630	11.120	7.874	2.395	3.924	3.340

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	1.731	1.947	2.133	-3.750	-0.161	0.877	0.000	283.700
2	00:17:13	1.917	1.658	1.848	0.661	2.532	2.775	0.000	282.900
3	00:17:54	1.820	1.733	1.747	0.183	1.543	2.375	0.000	285.700
x		1.823	1.779	1.909	-0.968	1.305	2.009	0.000	284.100
σ		0.093	0.150	0.200	2.420	1.362	1.001	0.000	1.460
%RSD		5.088	8.427	10.460	250.000	104.400	49.800	0.000	0.514

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	71.020%	-0.124	-0.183	73.481%	0.004	-0.001	0.041	0.090
2	00:17:13	73.034%	-0.130	-0.081	76.061%	-0.002	0.009	0.117	0.048
3	00:17:54	73.610%	-0.175	-0.023	77.077%	0.003	-0.007	0.215	0.216
x		72.555%	-0.143	-0.096	75.540%	0.002	0.000	0.124	0.118
σ		1.360%	0.028	0.081	1.854%	0.003	0.008	0.087	0.087
%RSD		1.874	19.390	84.290	2.454	158.000	5190.000	70.280	73.920

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	77.591%	2.721	0.015	0.037	32.220	32.580	84.409%	86.096%
2	00:17:13	81.401%	2.530	0.050	0.047	32.170	31.520	87.090%	88.372%
3	00:17:54	82.007%	2.650	0.054	0.046	32.220	30.950	89.010%	90.422%
x		80.333%	2.633	0.040	0.043	32.200	31.680	86.837%	88.296%
σ		2.394%	0.097	0.021	0.006	0.031	0.829	2.311%	2.164%
%RSD		2.980	3.672	53.600	13.140	0.095	2.615	2.661	2.451

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:31	0.005	0.022	-0.000	0.000	0.009	82.106%
2	00:17:13	0.001	0.009	0.013	0.011	0.017	85.504%
3	00:17:54	-0.002	0.018	-0.012	-0.013	0.001	86.519%
x		0.002	0.017	-0.000	-0.001	0.009	84.710%
σ		0.004	0.006	0.013	0.012	0.008	2.311%
%RSD		206.100	38.320	211300.000	1847.000	84.980	2.728

180-17288-A-4-A 12/30/2012 12:20:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	102.002%	-0.000	117.700	117.700	0.000	60210.000	63700.000	64040.000
2	00:21:32	102.549%	-0.000	120.500	120.000	0.000	60260.000	63840.000	64370.000
3	00:22:13	102.346%	-0.031	124.900	116.000	0.000	60320.000	63720.000	63960.000
x		102.299%	-0.010	121.000	117.900	0.000	60270.000	63750.000	64120.000
σ		0.277%	0.018	3.660	1.998	0.000	55.530	71.760	220.300
%RSD		0.270	171.400	3.024	1.695	0.000	0.092	0.113	0.344

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-2.619	7839.000	0.000	3610.000	70520.000	69430.000	75.301%	1.085
2	00:21:32	-29.450	7940.000	0.000	3697.000	70340.000	70030.000	75.538%	1.355
3	00:22:13	-1.237	7907.000	0.000	3666.000	69440.000	69990.000	76.155%	0.935
x		-11.100	7895.000	0.000	3658.000	70100.000	69820.000	75.665%	1.125
σ		15.900	51.090	0.000	43.840	580.000	337.200	0.441%	0.213
%RSD		143.300	0.647	0.000	1.198	0.827	0.483	0.583	18.940

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-8.605	2.172	2116.000	37.330	130.000	3.125	2.953	2.238
2	00:21:32	-12.780	2.331	2143.000	40.180	131.600	3.272	2.833	2.187
3	00:22:13	-11.010	2.246	2138.000	43.090	130.300	3.057	4.004	2.362
x		-10.800	2.250	2132.000	40.200	130.700	3.152	3.263	2.262
σ		2.095	0.079	14.340	2.878	0.861	0.110	0.644	0.090
%RSD		19.400	3.533	0.673	7.159	0.659	3.493	19.740	3.978

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	2.033	2.146	2.321	-0.400	1.621	1.231	0.000	270.500
2	00:21:32	1.892	2.542	1.719	0.335	0.367	0.466	0.000	271.700
3	00:22:13	2.099	2.042	1.795	0.386	1.346	2.195	0.000	271.800
x		2.008	2.243	1.945	0.107	1.111	1.298	0.000	271.300
σ		0.106	0.264	0.328	0.440	0.659	0.866	0.000	0.743
%RSD		5.269	11.770	16.860	410.700	59.310	66.780	0.000	0.274

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	75.058%	-0.001	-0.008	73.680%	-0.001	-0.001	0.012	-0.046
2	00:21:32	76.763%	-0.092	0.004	74.933%	0.004	-0.002	0.044	-0.030
3	00:22:13	77.422%	-0.023	0.010	75.468%	0.019	0.014	-0.030	-0.050
x		76.414%	-0.039	0.002	74.693%	0.007	0.004	0.009	-0.042
σ		1.220%	0.047	0.009	0.918%	0.010	0.009	0.037	0.011
%RSD		1.596	122.900	514.900	1.229	149.000	242.100	432.500	25.150

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	77.416%	3.169	0.064	0.079	30.460	31.990	84.144%	85.398%
2	00:21:32	78.945%	3.293	0.063	0.083	32.750	33.850	85.337%	87.326%
3	00:22:13	80.183%	3.007	0.066	0.075	34.480	32.300	86.986%	87.617%
x		78.848%	3.156	0.064	0.079	32.560	32.710	85.489%	86.780%
σ		1.386%	0.144	0.002	0.004	2.016	0.997	1.427%	1.206%
%RSD		1.758	4.549	3.030	5.447	6.190	3.047	1.670	1.390

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:50	-0.003	0.021	0.007	0.030	0.022	80.948%
2	00:21:32	0.008	0.016	0.024	-0.005	0.018	83.777%
3	00:22:13	0.001	0.005	0.045	0.019	0.042	85.584%
x		0.002	0.014	0.026	0.015	0.027	83.436%
σ		0.006	0.008	0.019	0.018	0.013	2.337%
%RSD		285.700	59.920	73.250	118.900	47.740	2.801

CCV 664806 12/30/2012 12:27:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	77.562%	99.460	94.160	95.280	0.000	46970.000	40670.000	40850.000
2	00:28:40	80.022%	100.400	95.170	93.180	0.000	46110.000	40500.000	40960.000
3	00:29:21	78.699%	99.820	92.230	94.830	0.000	46930.000	41430.000	41630.000
x		78.761%	99.886%	93.855%	94.430%	0.000	93.340%	81.730%	82.298%
σ		1.231%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.563	0.467	1.595	1.170	0.000	1.039	1.209	1.030

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	453.200	4800.000	0.000	48340.000	48710.000	47090.000	71.991%	95.550
2	00:28:40	461.000	4805.000	0.000	47870.000	46940.000	47440.000	73.867%	96.420
3	00:29:21	465.700	4895.000	0.000	47940.000	48420.000	47530.000	75.071%	104.200
x		91.996%	96.670%	0.000	96.105%	96.054%	94.705%	73.643%	98.740%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.553%	n/a
%RSD		1.376	1.108	0.000	0.528	1.975	0.486	2.108	4.848

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	96.260	98.780	477.900	24750.000	24220.000	100.600	103.500	100.100
2	00:28:40	97.330	98.480	483.000	24550.000	24500.000	100.900	102.500	102.700
3	00:29:21	100.100	98.020	482.300	24450.000	24460.000	98.550	100.800	103.400
x		97.907%	98.430%	96.216%	98.340%	97.583%	99.990%	102.255%	102.070%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.047	0.389	0.580	0.616	0.617	1.256	1.355	1.720

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	99.450	99.360	99.800	98.000	87.580	102.200	0.000	97.120
2	00:28:40	101.600	100.100	100.600	96.620	97.410	95.800	0.000	97.460
3	00:29:21	99.610	102.600	100.500	101.900	87.200	100.300	0.000	96.630
x		100.231%	100.710%	100.299%	98.836%	90.728%	99.459%	0.000	97.071%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.211	1.697	0.432	2.760	6.382	3.327	0.000	0.429

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	72.481%	95.410	97.220	71.581%	97.540	97.880	95.530	96.350
2	00:28:40	74.484%	98.830	101.100	74.392%	98.650	97.140	98.180	95.550
3	00:29:21	76.299%	100.100	103.200	75.663%	98.920	98.740	98.580	97.510
x		74.421%	98.122%	100.501%	73.878%	98.370%	97.916%	97.431%	96.472%
σ		1.909%	n/a	n/a	2.089%	n/a	n/a	n/a	n/a
%RSD		2.566	2.485	3.009	2.828	0.742	0.818	1.699	1.020

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	74.207%	98.140	97.420	97.640	96.950	95.130	79.576%	79.510%
2	00:28:40	77.714%	98.360	97.400	97.750	98.200	95.920	81.475%	83.089%
3	00:29:21	78.649%	99.400	98.390	97.460	98.070	98.320	82.668%	84.175%
x		76.857%	98.635%	97.740%	97.619%	97.741%	96.455%	81.240%	82.258%
σ		2.342%	n/a	n/a	n/a	n/a	n/a	1.559%	2.441%
%RSD		3.047	0.683	0.580	0.152	0.705	1.720	1.919	2.967

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:58	102.100	101.000	102.200	102.300	102.600	75.956%
2	00:28:40	102.200	101.700	102.900	103.400	103.000	79.075%
3	00:29:21	102.000	101.500	102.500	102.700	102.400	80.622%
x		102.093%	101.395%	102.549%	102.779%	102.672%	78.551%
σ		n/a	n/a	n/a	n/a	n/a	2.377%
%RSD		0.128	0.369	0.359	0.516	0.300	3.026

CCB9 12/30/2012 12:34:25 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	81.858%	0.043	1.780	2.169	0.000	-53.290	12.930	12.890
2	00:35:48	82.689%	-0.031	0.430	1.441	0.000	-54.780	15.430	13.160
3	00:36:30	82.038%	-0.031	1.908	1.563	0.000	-51.000	14.550	14.180
x		82.195%	-0.006	1.373	1.724	0.000	-53.030	14.300	13.410
σ		0.437%	0.043	0.819	0.390	0.000	1.903	1.269	0.680
%RSD		0.532	712.600	59.650	22.620	0.000	3.589	8.875	5.070
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	-2.830	3.091	0.000	-3.550	23.110	25.410	86.552%	0.153
2	00:35:48	-2.910	2.503	0.000	-3.233	49.100	26.930	86.644%	0.213
3	00:36:30	-2.839	2.717	0.000	-3.492	38.870	25.520	86.280%	0.154
x		-2.860	2.770	0.000	-3.425	37.020	25.950	86.492%	0.173
σ		0.044	0.298	0.000	0.169	13.090	0.846	0.189%	0.034
%RSD		1.538	10.750	0.000	4.934	35.360	3.261	0.218	19.790
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	0.116	-0.020	0.198	14.550	25.470	0.006	0.090	0.325
2	00:35:48	-0.050	0.007	0.158	9.965	22.020	0.009	0.049	0.539
3	00:36:30	0.034	0.020	0.170	7.796	15.590	0.033	0.151	0.570
x		0.033	0.002	0.175	10.770	21.030	0.016	0.097	0.478
σ		0.083	0.020	0.021	3.449	5.011	0.015	0.051	0.133
%RSD		251.700	1066.000	11.820	32.020	23.830	91.560	52.760	27.880
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	0.570	0.583	0.226	-0.095	-0.828	-0.108	0.000	0.308
2	00:35:48	0.404	0.693	0.289	-0.641	-1.429	-1.881	0.000	0.261
3	00:36:30	0.323	0.535	0.420	-0.576	-1.547	-1.325	0.000	0.352
x		0.432	0.604	0.312	-0.438	-1.268	-1.105	0.000	0.307
σ		0.126	0.081	0.099	0.298	0.386	0.907	0.000	0.045
%RSD		29.050	13.360	31.680	68.130	30.410	82.070	0.000	14.820
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	82.356%	0.150	0.136	82.962%	0.021	0.023	0.102	0.043
2	00:35:48	82.868%	0.082	0.226	83.979%	0.049	0.023	-0.008	0.041
3	00:36:30	83.031%	-0.061	0.177	84.508%	0.030	0.042	-0.058	-0.141
x		82.752%	0.057	0.180	83.816%	0.033	0.029	0.012	-0.019
σ		0.352%	0.108	0.045	0.786%	0.014	0.011	0.082	0.106
%RSD		0.425	189.700	25.090	0.937	41.630	38.000	691.000	545.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:07	82.652%	0.540	0.034	0.073	-0.038	0.107	84.188%	84.310%
2	00:35:48	83.978%	0.274	0.058	0.013	0.092	0.151	84.674%	85.157%
3	00:36:30	84.303%	0.470	0.078	0.006	-0.040	0.179	86.463%	86.852%
x		83.644%	0.428	0.057	0.031	0.005	0.145	85.108%	85.440%
σ		0.875%	0.138	0.022	0.037	0.076	0.036	1.198%	1.295%
%RSD		1.046	32.250	38.970	120.400	1502.000	25.100	1.408	1.515
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:35:07	0.040	0.071	0.046	0.044	0.047	84.869%		
2	00:35:48	0.031	0.052	0.031	0.019	0.036	85.602%		
3	00:36:30	0.039	0.038	0.037	0.031	0.033	86.161%		
x		0.037	0.054	0.038	0.031	0.039	85.544%		
σ		0.005	0.017	0.007	0.012	0.007	0.648%		
%RSD		13.910	31.130	19.710	39.500	18.140	0.758		

180-17288-A-5-A 12/30/2012 12:38:43 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	83.287%	-0.031	43.310	44.310	0.000	196000.000	45960.000	46170.000
2	00:40:06	83.867%	-0.031	48.240	43.880	0.000	194400.000	46360.000	46670.000
3	00:40:48	86.962%	-0.031	45.210	43.600	0.000	189400.000	45600.000	46040.000
x		84.705%	-0.031	45.590	43.930	0.000	193300.000	45970.000	46290.000
σ		1.976%	0.000	2.487	0.358	0.000	3445.000	382.000	335.700
%RSD		2.332	0.000	5.456	0.816	0.000	1.782	0.831	0.725

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	-3.330	10590.000	0.000	2166.000	52120.000	51690.000	64.433%	2.330
2	00:40:06	-3.430	10620.000	0.000	2195.000	53790.000	52370.000	65.202%	1.901
3	00:40:48	-3.946	10470.000	0.000	2184.000	52690.000	51960.000	65.945%	1.799
x		-3.569	10560.000	0.000	2182.000	52870.000	52010.000	65.193%	2.010
σ		0.331	81.920	0.000	14.870	850.900	338.100	0.756%	0.282
%RSD		9.268	0.776	0.000	0.682	1.610	0.650	1.160	14.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	-3.616	0.512	3519.000	39850.000	39410.000	0.124	0.851	1.721
2	00:40:06	-3.274	0.265	3551.000	39280.000	40030.000	0.111	0.526	1.970
3	00:40:48	-4.148	0.564	3548.000	38570.000	39710.000	0.090	0.804	2.280
x		-3.680	0.447	3540.000	39230.000	39710.000	0.108	0.727	1.990
σ		0.441	0.159	17.540	643.100	309.000	0.017	0.176	0.280
%RSD		11.980	35.650	0.496	1.639	0.778	16.110	24.170	14.090

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	1.153	1.621	1.486	6.660	1.465	1.596	0.000	525.900
2	00:40:06	1.646	2.418	2.108	1.379	0.435	-2.781	0.000	528.300
3	00:40:48	1.999	1.912	2.512	4.672	-0.954	-0.575	0.000	523.700
x		1.599	1.983	2.036	4.237	0.315	-0.587	0.000	526.000
σ		0.425	0.404	0.517	2.667	1.214	2.188	0.000	2.283
%RSD		26.560	20.350	25.380	62.950	384.900	373.100	0.000	0.434

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	65.102%	0.233	0.429	63.312%	0.011	0.006	-0.020	-0.122
2	00:40:06	67.212%	0.151	0.226	65.499%	0.005	-0.007	-0.082	-0.157
3	00:40:48	68.859%	-0.081	0.147	66.742%	-0.001	0.011	-0.177	-0.139
x		67.058%	0.101	0.267	65.184%	0.005	0.003	-0.093	-0.139
σ		1.884%	0.163	0.145	1.736%	0.006	0.009	0.079	0.017
%RSD		2.809	161.200	54.330	2.664	117.800	284.200	85.350	12.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	68.286%	5.975	0.020	0.054	130.100	134.400	75.012%	75.599%
2	00:40:06	70.023%	4.794	0.061	0.044	137.600	132.100	77.801%	78.937%
3	00:40:48	71.984%	4.079	0.059	0.042	133.100	132.800	78.403%	80.740%
x		70.098%	4.949	0.047	0.047	133.600	133.100	77.072%	78.425%
σ		1.850%	0.958	0.023	0.006	3.779	1.178	1.809%	2.608%
%RSD		2.639	19.350	48.960	13.630	2.828	0.885	2.347	3.326

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:24	0.037	0.042	0.439	0.566	0.510	71.858%
2	00:40:06	0.024	0.029	0.476	0.367	0.419	75.681%
3	00:40:48	0.023	0.027	0.470	0.512	0.480	77.810%
x		0.028	0.032	0.462	0.482	0.470	75.116%
σ		0.008	0.008	0.020	0.103	0.047	3.016%
%RSD		27.640	24.670	4.315	21.310	9.908	4.015

180-17288-A-6-A 12/30/2012 12:42:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	83.854%	-0.031	99.190	96.530	0.000	112900.000	37760.000	37970.000
2	00:44:22	86.297%	-0.031	101.200	97.650	0.000	111000.000	37510.000	37690.000
3	00:45:04	86.113%	0.005	105.300	100.300	0.000	111800.000	37930.000	38100.000
x		85.421%	-0.019	101.900	98.160	0.000	111900.000	37730.000	37920.000
σ		1.361%	0.021	3.144	1.942	0.000	926.200	213.300	213.300
%RSD		1.593	112.100	3.085	1.979	0.000	0.828	0.565	0.563

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	3.493	5470.000	0.000	5457.000	49840.000	50300.000	64.997%	2.703
2	00:44:22	2.452	5426.000	0.000	5449.000	50590.000	50300.000	65.840%	2.510
3	00:45:04	2.761	5455.000	0.000	5495.000	50900.000	50440.000	66.249%	2.651
x		2.902	5450.000	0.000	5467.000	50440.000	50350.000	65.696%	2.621
σ		0.535	22.800	0.000	24.780	545.900	84.840	0.638%	0.100
%RSD		18.420	0.418	0.000	0.453	1.082	0.169	0.972	3.804

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	-4.321	0.342	642.000	28080.000	28220.000	0.230	1.213	3.738
2	00:44:22	-3.710	0.480	647.000	27780.000	28370.000	0.222	1.082	3.727
3	00:45:04	-4.767	0.521	649.000	27790.000	28650.000	0.186	0.864	3.774
x		-4.266	0.448	646.000	27880.000	28410.000	0.213	1.053	3.746
σ		0.530	0.093	3.597	173.000	217.800	0.023	0.176	0.025
%RSD		12.430	20.870	0.557	0.621	0.766	10.950	16.720	0.660

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	3.380	4.107	4.041	13.070	-1.647	-1.919	0.000	406.700
2	00:44:22	4.005	3.625	5.009	12.670	-1.243	-0.997	0.000	411.000
3	00:45:04	3.645	3.258	4.121	14.080	-0.262	-1.630	0.000	414.100
x		3.676	3.663	4.390	13.270	-1.051	-1.515	0.000	410.600
σ		0.314	0.426	0.537	0.724	0.712	0.471	0.000	3.718
%RSD		8.537	11.620	12.230	5.456	67.770	31.100	0.000	0.906

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	68.213%	0.048	-0.036	66.508%	0.005	0.005	-0.057	-0.013
2	00:44:22	68.928%	-0.114	0.007	68.150%	-0.001	-0.001	-0.095	-0.076
3	00:45:04	69.420%	-0.007	0.023	68.799%	0.004	-0.001	-0.011	-0.074
x		68.853%	-0.025	-0.002	67.819%	0.003	0.001	-0.054	-0.054
σ		0.607%	0.083	0.031	1.180%	0.003	0.004	0.042	0.036
%RSD		0.881	337.100	1406.000	1.741	116.300	365.200	76.560	66.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	71.132%	3.097	0.066	0.118	259.600	260.500	78.941%	79.454%
2	00:44:22	72.871%	2.668	0.116	0.181	262.800	257.800	79.787%	82.222%
3	00:45:04	73.420%	3.551	0.126	0.135	264.700	261.200	81.612%	82.698%
x		72.474%	3.105	0.102	0.145	262.400	259.800	80.113%	81.458%
σ		1.195%	0.441	0.032	0.033	2.557	1.768	1.365%	1.751%
%RSD		1.648	14.220	31.370	22.530	0.975	0.681	1.704	2.150

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:41	0.020	0.004	5.460	5.666	5.440	76.484%
2	00:44:22	-0.006	0.003	5.385	5.123	5.331	79.472%
3	00:45:04	0.006	0.004	4.977	5.362	5.207	80.714%
x		0.007	0.003	5.274	5.384	5.326	78.890%
σ		0.013	0.001	0.260	0.272	0.116	2.174%
%RSD		197.100	15.690	4.928	5.059	2.186	2.756

180-17288-A-6-A SD@5 12/30/2012 12:47:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	78.838%	0.008	18.210	21.140	0.000	23410.000	7658.000	7691.000
2	00:48:38	81.465%	-0.031	21.070	20.580	0.000	22840.000	7576.000	7611.000
3	00:49:20	81.345%	-0.031	18.080	19.810	0.000	22880.000	7525.000	7593.000
x		80.549%	-0.018	19.120	20.510	0.000	23040.000	7587.000	7632.000
σ		1.484%	0.022	1.690	0.672	0.000	317.500	66.850	51.910
%RSD		1.842	127.400	8.839	3.275	0.000	1.378	0.881	0.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	2.635	1144.000	0.000	1093.000	10170.000	10220.000	69.316%	0.586
2	00:48:38	0.824	1135.000	0.000	1089.000	10240.000	10100.000	69.989%	0.579
3	00:49:20	0.494	1127.000	0.000	1089.000	10540.000	10240.000	69.832%	0.358
x		1.318	1135.000	0.000	1090.000	10320.000	10190.000	69.712%	0.508
σ		1.152	8.738	0.000	2.119	193.200	72.900	0.352%	0.130
%RSD		87.460	0.770	0.000	0.194	1.873	0.716	0.505	25.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	-0.852	0.084	131.300	4838.000	5821.000	0.108	0.446	2.057
2	00:48:38	-0.280	0.047	130.000	4797.000	5747.000	0.032	0.414	2.188
3	00:49:20	-0.521	0.086	131.200	4789.000	5771.000	0.051	0.315	2.483
x		-0.551	0.072	130.900	4808.000	5780.000	0.063	0.392	2.243
σ		0.287	0.022	0.746	25.950	37.670	0.039	0.068	0.218
%RSD		52.100	30.190	0.570	0.540	0.652	62.130	17.330	9.730

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	2.294	2.656	2.690	2.949	0.305	-1.772	0.000	82.630
2	00:48:38	1.652	1.938	1.399	1.591	-1.130	-1.711	0.000	82.990
3	00:49:20	1.612	2.004	2.042	2.935	-2.068	-0.774	0.000	83.740
x		1.853	2.199	2.044	2.492	-0.964	-1.419	0.000	83.120
σ		0.383	0.397	0.646	0.780	1.195	0.560	0.000	0.569
%RSD		20.670	18.050	31.600	31.310	124.000	39.450	0.000	0.685

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	71.407%	-0.049	-0.054	72.321%	0.020	0.021	-0.051	-0.040
2	00:48:38	72.850%	-0.010	-0.014	73.826%	0.024	0.021	0.069	-0.013
3	00:49:20	72.259%	-0.142	-0.050	74.218%	0.009	0.004	0.031	-0.056
x		72.172%	-0.067	-0.040	73.455%	0.018	0.015	0.016	-0.036
σ		0.725%	0.068	0.022	1.001%	0.008	0.010	0.061	0.022
%RSD		1.005	101.200	55.260	1.363	44.910	63.710	372.000	59.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	74.335%	2.639	0.074	0.047	54.980	55.120	78.714%	80.459%
2	00:48:38	76.445%	2.725	0.044	0.024	54.110	52.720	80.944%	81.279%
3	00:49:20	76.417%	2.123	0.038	0.017	52.620	51.680	81.448%	82.123%
x		75.733%	2.496	0.052	0.029	53.900	53.170	80.369%	81.287%
σ		1.210%	0.326	0.019	0.016	1.192	1.765	1.455%	0.832%
%RSD		1.598	13.050	37.170	54.470	2.211	3.319	1.810	1.023

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:56	0.015	0.015	1.003	1.265	1.118	81.897%
2	00:48:38	0.011	0.012	1.017	1.092	1.088	85.005%
3	00:49:20	-0.002	-0.000	1.122	1.104	1.114	86.914%
x		0.008	0.009	1.047	1.154	1.107	84.605%
σ		0.009	0.008	0.065	0.096	0.016	2.532%
%RSD		106.100	89.220	6.219	8.324	1.478	2.993

180-17288-A-6-B MS 12/30/2012 12:51:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	86.117%	50.610	1076.000	1022.000	0.000	157900.000	87600.000	87900.000
2	00:52:54	86.665%	51.840	1072.000	1044.000	0.000	157600.000	87880.000	87720.000
3	00:53:37	88.510%	50.950	1067.000	1029.000	0.000	156300.000	87020.000	86990.000
x		87.097%	51.130	1072.000	1032.000	0.000	157300.000	87500.000	87540.000
σ		1.254%	0.635	4.571	10.900	0.000	856.200	442.000	481.400
%RSD		1.439	1.241	0.427	1.057	0.000	0.544	0.505	0.550

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	1720.000	14390.000	0.000	52630.000	100000.000	98680.000	66.161%	955.500
2	00:52:54	1717.000	14540.000	0.000	52420.000	99730.000	99980.000	66.980%	953.100
3	00:53:37	1715.000	14450.000	0.000	52160.000	99630.000	99860.000	67.261%	944.300
x		1717.000	14460.000	0.000	52400.000	99790.000	99510.000	66.801%	951.000
σ		2.456	72.340	0.000	237.200	186.500	717.200	0.571%	5.904
%RSD		0.143	0.500	0.000	0.453	0.187	0.721	0.855	0.621

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	477.300	194.100	1136.000	29380.000	29970.000	472.400	473.100	231.900
2	00:52:54	479.300	196.200	1145.000	29030.000	29960.000	472.100	467.800	233.900
3	00:53:37	476.400	195.500	1147.000	28900.000	30120.000	474.900	474.400	231.500
x		477.600	195.300	1143.000	29100.000	30010.000	473.100	471.800	232.400
σ		1.473	1.061	6.112	249.400	89.930	1.532	3.481	1.322
%RSD		0.308	0.543	0.535	0.857	0.300	0.324	0.738	0.569

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	230.100	479.900	474.600	48.060	6.425	9.026	0.000	1366.000
2	00:52:54	228.200	468.800	479.900	45.680	6.557	10.210	0.000	1357.000
3	00:53:37	231.200	478.700	489.300	48.760	9.545	8.325	0.000	1379.000
x		229.800	475.800	481.300	47.500	7.509	9.186	0.000	1367.000
σ		1.506	6.105	7.452	1.616	1.764	0.951	0.000	10.930
%RSD		0.655	1.283	1.548	3.402	23.500	10.360	0.000	0.799

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	68.423%	999.900	1006.000	65.975%	48.150	47.560	48.820	39.710
2	00:52:54	70.743%	999.400	1017.000	67.673%	48.500	47.340	46.680	39.850
3	00:53:37	70.372%	1021.000	1032.000	67.729%	49.560	48.120	49.470	40.520
x		69.846%	1007.000	1018.000	67.126%	48.730	47.670	48.320	40.030
σ		1.246%	12.350	12.820	0.997%	0.734	0.400	1.461	0.433
%RSD		1.784	1.227	1.259	1.485	1.506	0.839	3.023	1.083

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	70.824%	1938.000	487.500	484.600	2168.000	2161.000	77.076%	80.302%
2	00:52:54	72.888%	1941.000	483.900	489.500	2155.000	2137.000	81.595%	82.652%
3	00:53:37	72.845%	1986.000	496.400	492.100	2183.000	2164.000	82.419%	83.790%
x		72.186%	1955.000	489.300	488.700	2169.000	2154.000	80.364%	82.248%
σ		1.179%	26.490	6.409	3.768	14.010	14.590	2.877%	1.779%
%RSD		1.634	1.355	1.310	0.771	0.646	0.678	3.579	2.163

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:13	48.530	47.530	25.940	25.940	25.840	77.507%
2	00:52:54	47.430	47.180	25.370	25.260	25.490	82.161%
3	00:53:37	49.170	48.450	26.960	25.880	26.460	81.216%
x		48.370	47.720	26.090	25.690	25.930	80.295%
σ		0.879	0.655	0.805	0.380	0.489	2.460%
%RSD		1.818	1.373	3.085	1.478	1.884	3.064

180-17288-A-6-C MSD 12/30/2012 12:55:48 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	85.843%	50.580	1090.000	1024.000	0.000	154400.000	86290.000	86540.000
2	00:57:12	86.770%	52.490	1080.000	1029.000	0.000	152800.000	85510.000	85820.000
3	00:57:53	87.392%	51.870	1081.000	1026.000	0.000	151700.000	85030.000	85000.000
x		86.669%	51.650	1083.000	1026.000	0.000	153000.000	85610.000	85790.000
σ		0.779%	0.977	5.606	2.881	0.000	1367.000	631.900	772.900
%RSD		0.899	1.892	0.518	0.281	0.000	0.894	0.738	0.901

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	1691.000	14460.000	0.000	51750.000	97300.000	96310.000	67.090%	936.800
2	00:57:12	1697.000	14480.000	0.000	51440.000	97830.000	96770.000	67.995%	958.600
3	00:57:53	1688.000	14410.000	0.000	50970.000	96160.000	96770.000	68.008%	941.300
x		1692.000	14450.000	0.000	51390.000	97100.000	96620.000	67.698%	945.600
σ		4.780	36.290	0.000	392.600	851.200	267.100	0.526%	11.510
%RSD		0.283	0.251	0.000	0.764	0.877	0.276	0.777	1.218

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	468.200	192.900	1099.000	28250.000	28830.000	473.000	465.000	231.200
2	00:57:12	475.600	190.700	1101.000	27930.000	29120.000	474.200	463.900	234.700
3	00:57:53	472.600	192.000	1107.000	27890.000	28930.000	472.300	471.500	228.600
x		472.100	191.900	1102.000	28020.000	28960.000	473.200	466.800	231.500
σ		3.727	1.130	4.528	194.500	148.300	0.931	4.088	3.032
%RSD		0.789	0.589	0.411	0.694	0.512	0.197	0.876	1.310

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	234.600	461.800	464.000	47.810	7.238	12.070	0.000	1346.000
2	00:57:12	233.000	469.900	466.900	49.240	9.140	7.026	0.000	1341.000
3	00:57:53	232.300	464.900	460.800	51.080	7.844	7.043	0.000	1338.000
x		233.300	465.500	463.900	49.380	8.074	8.713	0.000	1342.000
σ		1.182	4.094	3.066	1.641	0.972	2.908	0.000	3.764
%RSD		0.507	0.880	0.661	3.324	12.040	33.370	0.000	0.281

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	68.530%	996.400	1004.000	66.549%	47.990	46.600	46.800	39.500
2	00:57:12	69.978%	1006.000	1021.000	67.809%	47.370	47.210	44.870	37.290
3	00:57:53	70.189%	1001.000	1016.000	68.288%	46.430	48.040	46.470	39.130
x		69.566%	1001.000	1014.000	67.549%	47.260	47.280	46.050	38.640
σ		0.903%	4.735	8.490	0.898%	0.786	0.724	1.031	1.186
%RSD		1.298	0.473	0.838	1.330	1.663	1.531	2.239	3.069

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	71.370%	1925.000	479.000	478.100	2130.000	2111.000	79.606%	80.982%
2	00:57:12	72.979%	1934.000	480.400	478.300	2118.000	2097.000	81.833%	83.384%
3	00:57:53	72.941%	1932.000	482.100	483.800	2146.000	2116.000	81.453%	83.275%
x		72.430%	1930.000	480.500	480.100	2132.000	2108.000	80.964%	82.547%
σ		0.918%	4.535	1.595	3.221	14.070	9.915	1.191%	1.357%
%RSD		1.267	0.235	0.332	0.671	0.660	0.470	1.471	1.643

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:30	48.600	47.880	25.400	25.030	25.250	77.646%
2	00:57:12	49.020	47.250	25.310	25.460	25.380	80.977%
3	00:57:53	48.980	48.390	25.320	25.510	25.320	80.591%
x		48.870	47.840	25.340	25.330	25.320	79.738%
σ		0.235	0.569	0.053	0.266	0.061	1.822%
%RSD		0.482	1.190	0.208	1.048	0.241	2.285

180-17288-A-7-A 12/30/2012 1:00:05 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	86.571%	0.005	61.210	63.450	0.000	15300.000	15700.000	15710.000
2	01:01:28	87.795%	0.040	68.720	62.130	0.000	15400.000	15890.000	15940.000
3	01:02:10	90.677%	-0.031	60.590	58.690	0.000	15080.000	15660.000	15680.000
x		88.348%	0.005	63.510	61.420	0.000	15260.000	15750.000	15780.000
σ		2.108%	0.035	4.524	2.458	0.000	163.100	119.600	144.500
%RSD		2.386	711.500	7.124	4.002	0.000	1.069	0.760	0.916

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	55.960	6120.000	0.000	5277.000	64410.000	62920.000	66.302%	7.266
2	01:01:28	56.080	6221.000	0.000	5357.000	63530.000	64390.000	66.475%	5.995
3	01:02:10	52.780	6114.000	0.000	5300.000	64500.000	63560.000	66.775%	5.654
x		54.940	6152.000	0.000	5311.000	64150.000	63620.000	66.517%	6.305
σ		1.872	60.340	0.000	40.910	531.900	738.300	0.239%	0.849
%RSD		3.407	0.981	0.000	0.770	0.829	1.160	0.360	13.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	1.063	1.333	311.600	2433.000	3071.000	0.524	1.438	3.748
2	01:01:28	-0.539	1.477	316.000	2451.000	3108.000	0.322	1.663	4.556
3	01:02:10	-2.704	1.272	313.400	2428.000	3044.000	0.266	1.359	4.159
x		-0.727	1.361	313.700	2437.000	3074.000	0.371	1.487	4.154
σ		1.891	0.106	2.187	12.170	32.310	0.136	0.158	0.404
%RSD		260.200	7.750	0.697	0.499	1.051	36.680	10.620	9.728

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	4.184	3.625	3.378	-1.007	-1.519	-1.695	0.000	353.200
2	01:01:28	3.892	3.704	3.815	0.413	-0.408	-1.291	0.000	360.400
3	01:02:10	3.930	2.796	3.533	3.258	-2.004	-1.985	0.000	354.300
x		4.002	3.375	3.576	0.888	-1.311	-1.657	0.000	356.000
σ		0.159	0.503	0.221	2.172	0.818	0.348	0.000	3.888
%RSD		3.962	14.910	6.188	244.600	62.430	21.030	0.000	1.092

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	68.360%	5.416	5.212	67.880%	0.027	0.034	0.157	0.048
2	01:01:28	69.414%	3.099	3.284	69.490%	0.010	0.010	-0.086	-0.137
3	01:02:10	70.453%	2.483	2.103	69.713%	0.004	0.005	0.008	-0.132
x		69.409%	3.666	3.533	69.028%	0.014	0.016	0.026	-0.073
σ		1.046%	1.546	1.569	1.000%	0.012	0.016	0.122	0.105
%RSD		1.508	42.180	44.420	1.449	85.690	95.810	462.200	143.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	72.944%	11.030	0.444	0.477	55.500	54.080	78.758%	79.081%
2	01:01:28	73.489%	7.757	0.320	0.290	55.990	56.500	80.192%	81.514%
3	01:02:10	74.572%	6.816	0.259	0.220	55.730	55.380	81.144%	82.525%
x		73.668%	8.533	0.341	0.329	55.740	55.320	80.031%	81.040%
σ		0.829%	2.209	0.094	0.133	0.246	1.211	1.201%	1.770%
%RSD		1.125	25.890	27.670	40.460	0.441	2.189	1.501	2.184

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:47	0.569	0.571	0.244	0.268	0.300	79.125%
2	01:01:28	0.424	0.369	0.298	0.280	0.309	81.777%
3	01:02:10	0.305	0.265	0.259	0.331	0.289	83.485%
x		0.433	0.402	0.267	0.293	0.299	81.462%
σ		0.132	0.156	0.028	0.034	0.010	2.197%
%RSD		30.530	38.840	10.580	11.560	3.267	2.697

180-17288-A-8-A 12/30/2012 1:04:23 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	82.624%	0.120	91.370	84.020	0.000	129000.000	19530.000	19700.000
2	01:05:46	83.376%	0.007	92.500	86.850	0.000	128000.000	19630.000	19720.000
3	01:06:28	84.977%	0.079	90.740	85.710	0.000	127700.000	19580.000	19730.000
x		83.659%	0.069	91.540	85.530	0.000	128200.000	19580.000	19720.000
σ		1.201%	0.057	0.894	1.421	0.000	690.700	50.480	18.040
%RSD		1.436	83.580	0.976	1.661	0.000	0.539	0.258	0.092

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	22.480	8233.000	0.000	15230.000	75280.000	75440.000	63.994%	4.937
2	01:05:46	22.260	8260.000	0.000	15220.000	76750.000	75960.000	64.254%	4.915
3	01:06:28	23.300	8276.000	0.000	15200.000	77340.000	76680.000	64.060%	5.171
x		22.680	8256.000	0.000	15220.000	76460.000	76030.000	64.103%	5.008
σ		0.550	22.000	0.000	16.190	1060.000	621.400	0.135%	0.142
%RSD		2.425	0.266	0.000	0.106	1.387	0.817	0.211	2.834

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	0.092	1.187	5140.000	11240.000	11280.000	0.185	1.466	2.118
2	01:05:46	0.264	1.426	5190.000	11140.000	11450.000	0.334	0.936	2.672
3	01:06:28	-0.815	1.266	5233.000	11180.000	11510.000	0.279	1.198	2.699
x		-0.153	1.293	5187.000	11180.000	11420.000	0.266	1.200	2.496
σ		0.579	0.122	46.660	48.740	120.000	0.075	0.265	0.328
%RSD		378.500	9.431	0.900	0.436	1.051	28.340	22.090	13.140

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	2.322	6.022	7.333	8.908	-1.874	0.515	0.000	780.400
2	01:05:46	2.800	6.870	7.468	8.276	-2.789	-0.804	0.000	786.100
3	01:06:28	2.563	5.903	6.849	7.434	-0.430	-0.763	0.000	786.800
x		2.561	6.265	7.217	8.206	-1.697	-0.351	0.000	784.400
σ		0.239	0.528	0.325	0.739	1.189	0.750	0.000	3.482
%RSD		9.329	8.419	4.510	9.010	70.060	213.900	0.000	0.444

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	65.963%	0.737	0.837	64.021%	0.017	0.006	0.023	-0.092
2	01:05:46	66.979%	0.767	0.904	65.466%	0.011	0.005	-0.096	-0.232
3	01:06:28	67.219%	0.538	0.664	65.469%	0.005	0.005	-0.100	-0.027
x		66.720%	0.681	0.801	64.985%	0.011	0.005	-0.058	-0.117
σ		0.667%	0.124	0.124	0.835%	0.006	0.000	0.070	0.104
%RSD		0.999	18.250	15.460	1.285	55.150	3.262	121.000	89.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	68.898%	4.933	0.275	0.232	179.300	175.600	76.125%	77.221%
2	01:05:46	69.961%	5.282	0.223	0.251	181.700	179.400	77.754%	79.862%
3	01:06:28	71.245%	4.808	0.254	0.201	180.300	177.900	78.985%	79.900%
x		70.035%	5.008	0.251	0.228	180.400	177.700	77.621%	78.994%
σ		1.175%	0.246	0.026	0.025	1.214	1.904	1.435%	1.536%
%RSD		1.678	4.906	10.550	11.120	0.673	1.072	1.849	1.944

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:05	0.194	0.214	0.502	0.663	0.568	74.837%
2	01:05:46	0.172	0.156	0.562	0.454	0.526	77.068%
3	01:06:28	0.176	0.144	0.550	0.479	0.517	78.191%
x		0.181	0.171	0.538	0.532	0.537	76.699%
σ		0.012	0.037	0.032	0.114	0.028	1.707%
%RSD		6.654	21.740	5.861	21.410	5.138	2.226

180-17288-A-9-A 12/30/2012 1:08:41 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	83.211%	-0.031	45.880	45.080	0.000	202200.000	50020.000	50410.000
2	01:10:04	82.763%	0.007	46.610	46.830	0.000	203000.000	51020.000	51330.000
3	01:10:46	85.376%	0.079	50.320	44.480	0.000	200000.000	50510.000	50940.000
x		83.783%	0.018	47.600	45.460	0.000	201700.000	50520.000	50890.000
σ		1.398%	0.055	2.383	1.221	0.000	1559.000	498.200	463.200
%RSD		1.668	304.100	5.005	2.686	0.000	0.773	0.986	0.910

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	154.600	9649.000	0.000	4035.000	64900.000	65760.000	65.059%	12.180
2	01:10:04	156.700	9771.000	0.000	4094.000	66340.000	66160.000	65.492%	11.070
3	01:10:46	152.600	9631.000	0.000	4098.000	67410.000	66410.000	66.083%	10.890
x		154.600	9684.000	0.000	4076.000	66220.000	66110.000	65.545%	11.380
σ		2.036	76.170	0.000	35.620	1256.000	326.000	0.514%	0.701
%RSD		1.317	0.787	0.000	0.874	1.897	0.493	0.785	6.160

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	-2.458	0.549	436.700	48310.000	49060.000	0.384	0.920	3.087
2	01:10:04	-2.581	0.690	442.700	48120.000	49720.000	0.312	0.584	3.179
3	01:10:46	-3.002	0.734	441.100	47820.000	49820.000	0.386	1.150	3.239
x		-2.680	0.657	440.200	48080.000	49530.000	0.361	0.884	3.168
σ		0.285	0.097	3.109	244.700	415.800	0.042	0.285	0.076
%RSD		10.640	14.680	0.706	0.509	0.840	11.760	32.170	2.410

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	2.656	3.970	3.928	12.200	0.258	-0.892	0.000	631.700
2	01:10:04	2.240	3.810	4.019	11.860	-1.092	-0.768	0.000	643.900
3	01:10:46	3.589	3.309	4.114	10.870	-0.135	-0.105	0.000	645.800
x		2.828	3.696	4.020	11.640	-0.323	-0.589	0.000	640.500
σ		0.691	0.345	0.093	0.689	0.695	0.423	0.000	7.668
%RSD		24.430	9.332	2.307	5.913	215.200	71.880	0.000	1.197

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	67.886%	0.486	0.414	65.288%	0.005	0.011	-0.078	-0.197
2	01:10:04	68.857%	0.313	0.428	66.972%	0.005	0.005	-0.053	-0.010
3	01:10:46	69.833%	0.384	0.439	67.629%	-0.001	-0.007	-0.006	-0.101
x		68.859%	0.395	0.427	66.630%	0.003	0.003	-0.046	-0.103
σ		0.974%	0.087	0.013	1.207%	0.003	0.009	0.036	0.094
%RSD		1.414	22.060	2.929	1.812	113.600	295.900	79.410	91.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	70.094%	4.756	0.193	0.144	226.200	220.600	77.339%	78.188%
2	01:10:04	72.515%	4.521	0.157	0.183	222.600	224.400	78.876%	81.357%
3	01:10:46	72.645%	4.054	0.139	0.182	230.600	222.000	79.976%	82.184%
x		71.751%	4.444	0.163	0.169	226.500	222.300	78.730%	80.576%
σ		1.437%	0.358	0.027	0.022	4.004	1.883	1.324%	2.109%
%RSD		2.003	8.045	16.780	13.190	1.768	0.847	1.682	2.618

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:23	0.082	0.087	0.797	0.761	0.730	74.217%
2	01:10:04	0.092	0.092	0.746	0.667	0.743	78.395%
3	01:10:46	0.047	0.069	0.697	0.696	0.726	79.532%
x		0.074	0.083	0.747	0.708	0.733	77.381%
σ		0.024	0.012	0.050	0.048	0.009	2.799%
%RSD		32.190	14.790	6.695	6.817	1.184	3.617

180-17288-A-10-A 12/30/2012 1:12:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	83.083%	0.081	122.600	120.400	0.000	114900.000	30100.000	30150.000
2	01:14:22	85.577%	0.187	118.600	116.700	0.000	113900.000	30280.000	30420.000
3	01:15:03	86.724%	0.113	127.900	113.600	0.000	113000.000	29910.000	30200.000
x		85.128%	0.127	123.100	116.900	0.000	113900.000	30090.000	30260.000
σ		1.862%	0.054	4.684	3.423	0.000	991.500	184.800	142.600
%RSD		2.187	42.800	3.807	2.928	0.000	0.870	0.614	0.471

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	81.860	10850.000	0.000	7220.000	78380.000	77290.000	66.037%	10.200
2	01:14:22	86.490	10950.000	0.000	7314.000	78940.000	78620.000	66.417%	10.290
3	01:15:03	85.030	10910.000	0.000	7349.000	79030.000	78740.000	66.974%	9.970
x		84.460	10900.000	0.000	7294.000	78780.000	78220.000	66.476%	10.150
σ		2.368	46.890	0.000	67.110	353.900	808.400	0.471%	0.164
%RSD		2.803	0.430	0.000	0.920	0.449	1.034	0.709	1.619

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	0.752	1.957	523.600	57300.000	58070.000	0.457	3.863	7.266
2	01:14:22	2.003	2.113	530.900	57340.000	59170.000	0.559	4.503	7.395
3	01:15:03	0.918	1.900	531.900	57070.000	59240.000	0.491	3.622	7.557
x		1.224	1.990	528.800	57240.000	58830.000	0.502	3.996	7.406
σ		0.680	0.110	4.527	146.900	658.100	0.052	0.455	0.146
%RSD		55.520	5.544	0.856	0.257	1.119	10.340	11.400	1.964

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	6.451	34.420	34.180	19.530	-0.513	-0.468	0.000	691.800
2	01:14:22	6.961	31.850	30.640	18.410	-0.424	0.499	0.000	701.300
3	01:15:03	6.970	33.340	36.480	20.660	-0.179	-0.039	0.000	698.500
x		6.794	33.200	33.770	19.530	-0.372	-0.003	0.000	697.200
σ		0.297	1.292	2.946	1.126	0.173	0.484	0.000	4.891
%RSD		4.374	3.892	8.726	5.763	46.600	18840.000	0.000	0.702

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	68.589%	0.519	0.495	67.177%	-0.001	0.011	0.022	0.040
2	01:14:22	69.839%	0.519	0.556	68.522%	0.054	0.022	0.005	-0.027
3	01:15:03	70.557%	0.495	0.538	69.301%	0.021	0.005	-0.010	-0.078
x		69.662%	0.511	0.530	68.333%	0.025	0.013	0.006	-0.022
σ		0.996%	0.014	0.031	1.075%	0.028	0.009	0.016	0.059
%RSD		1.429	2.744	5.901	1.573	112.300	70.830	279.700	271.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	71.831%	3.605	0.363	0.424	173.200	168.000	78.373%	80.756%
2	01:14:22	73.163%	4.010	0.417	0.509	171.200	172.000	81.888%	83.017%
3	01:15:03	73.742%	3.704	0.404	0.529	169.700	170.300	80.944%	83.495%
x		72.912%	3.773	0.395	0.487	171.400	170.100	80.402%	82.423%
σ		0.980%	0.212	0.028	0.056	1.778	1.981	1.820%	1.463%
%RSD		1.344	5.606	7.201	11.390	1.037	1.165	2.263	1.775

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:40	0.065	0.071	1.568	1.518	1.524	77.449%
2	01:14:22	0.089	0.088	1.528	1.465	1.524	80.467%
3	01:15:03	0.072	0.084	1.468	1.376	1.450	81.928%
x		0.076	0.081	1.522	1.453	1.499	79.948%
σ		0.013	0.009	0.050	0.072	0.042	2.284%
%RSD		16.720	10.810	3.300	4.938	2.834	2.857

CCV 664806 12/30/2012 1:20:06 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	76.065%	103.200	99.320	95.590	0.000	47810.000	40940.000	41030.000
2	01:21:30	77.297%	99.730	94.770	96.790	0.000	46840.000	40930.000	41150.000
3	01:22:11	77.878%	100.300	98.680	94.310	0.000	46580.000	40930.000	41230.000
x		77.080%	101.063%	97.590%	95.564%	0.000	94.154%	81.860%	82.270%
σ		0.926%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.201	1.840	2.520	1.297	0.000	1.369	0.015	0.249

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	457.100	4872.000	0.000	48620.000	47730.000	46680.000	72.992%	97.390
2	01:21:30	453.300	4851.000	0.000	48320.000	47740.000	47410.000	73.763%	98.090
3	01:22:11	468.600	4844.000	0.000	47960.000	47450.000	46880.000	74.761%	97.390
x		91.937%	97.113%	0.000	96.599%	95.280%	93.980%	73.838%	97.625%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.887%	n/a
%RSD		1.725	0.299	0.000	0.691	0.350	0.805	1.201	0.416

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	98.100	98.440	475.500	24750.000	24030.000	98.800	98.010	100.900
2	01:21:30	96.640	99.160	481.200	24540.000	24380.000	100.800	103.200	103.300
3	01:22:11	96.730	98.340	478.000	24320.000	24260.000	99.020	103.300	101.800
x		97.156%	98.647%	95.644%	98.139%	96.891%	99.545%	101.484%	101.998%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.842	0.455	0.597	0.869	0.733	1.110	2.963	1.227

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	102.500	99.370	102.700	100.000	96.440	97.170	0.000	97.940
2	01:21:30	101.400	99.300	102.600	100.400	96.620	102.300	0.000	96.370
3	01:22:11	105.200	102.400	103.100	97.710	92.220	98.460	0.000	97.880
x		103.047%	100.367%	102.791%	99.393%	95.092%	99.315%	0.000	97.398%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.866	1.782	0.251	1.480	2.622	2.695	0.000	0.912

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	73.136%	98.880	98.690	72.562%	97.610	98.680	96.940	94.860
2	01:21:30	75.823%	98.510	99.880	75.189%	97.810	98.620	98.810	97.830
3	01:22:11	76.007%	103.000	102.700	75.986%	98.900	97.550	98.110	95.540
x		74.989%	100.138%	100.420%	74.579%	98.110%	98.284%	97.953%	96.076%
σ		1.607%	n/a	n/a	1.791%	n/a	n/a	n/a	n/a
%RSD		2.143	2.503	2.043	2.402	0.710	0.652	0.966	1.619

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	75.077%	99.070	98.460	99.410	95.300	97.730	79.270%	80.212%
2	01:21:30	76.438%	99.860	99.810	100.900	96.950	98.610	81.587%	82.631%
3	01:22:11	78.464%	97.220	97.410	98.630	96.440	97.350	83.749%	84.881%
x		76.660%	98.717%	98.562%	99.661%	96.230%	97.896%	81.535%	82.574%
σ		1.704%	n/a	n/a	n/a	n/a	n/a	2.240%	2.335%
%RSD		2.223	1.370	1.221	1.179	0.876	0.660	2.748	2.828

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	101.000	101.000	103.900	101.400	102.600	76.239%
2	01:21:30	101.500	101.400	103.700	103.100	103.200	79.334%
3	01:22:11	101.200	100.800	101.600	101.900	102.000	81.278%
x		101.245%	101.095%	103.092%	102.141%	102.578%	78.950%
σ		n/a	n/a	n/a	n/a	n/a	2.542%
%RSD		0.257	0.304	1.253	0.858	0.575	3.219

CCB 10 12/30/2012 1:27:15 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	90.103%	0.003	0.934	1.943	0.000	-20.830	31.090	31.680
2	01:28:38	90.671%	0.104	0.924	1.881	0.000	26.030	51.910	52.730
3	01:29:20	90.866%	0.003	2.984	1.753	0.000	5.032	45.780	48.070
x		90.547%	0.037	1.614	1.859	0.000	3.412	42.930	44.160
σ		0.396%	0.058	1.187	0.097	0.000	23.470	10.700	11.050
%RSD		0.437	158.800	73.520	5.204	0.000	688.000	24.930	25.030

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	-0.575	1.698	0.000	8.713	105.500	60.650	86.927%	-0.027
2	01:28:38	3.126	3.571	0.000	26.180	105.800	114.500	86.710%	0.512
3	01:29:20	1.991	3.300	0.000	15.790	135.800	89.090	87.361%	0.091
x		1.514	2.856	0.000	16.890	115.700	88.070	87.000%	0.192
σ		1.896	1.012	0.000	8.785	17.420	26.930	0.331%	0.284
%RSD		125.200	35.450	0.000	52.000	15.050	30.570	0.381	147.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.197	0.047	0.606	24.050	36.220	0.093	0.008	0.408
2	01:28:38	0.091	0.173	1.353	31.800	48.810	0.120	0.068	0.620
3	01:29:20	0.123	0.074	1.039	26.590	34.910	0.130	0.147	0.499
x		0.137	0.098	0.999	27.480	39.980	0.114	0.074	0.509
σ		0.054	0.066	0.375	3.952	7.674	0.019	0.070	0.107
%RSD		39.530	67.580	37.570	14.380	19.190	16.690	93.680	20.940

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.401	0.484	0.608	-0.115	-0.748	-1.105	0.000	0.821
2	01:28:38	0.681	0.952	0.486	-0.222	-1.117	-0.526	0.000	1.501
3	01:29:20	0.657	0.879	0.878	0.130	-1.125	-0.660	0.000	1.116
x		0.579	0.772	0.657	-0.069	-0.997	-0.764	0.000	1.146
σ		0.155	0.252	0.201	0.180	0.215	0.303	0.000	0.341
%RSD		26.810	32.640	30.510	260.700	21.610	39.710	0.000	29.760

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	83.451%	0.164	0.238	86.575%	0.034	0.056	0.099	-0.036
2	01:28:38	84.275%	0.310	0.195	87.276%	0.091	0.084	-0.012	-0.013
3	01:29:20	84.344%	0.233	0.201	87.601%	0.073	0.026	0.061	0.004
x		84.023%	0.236	0.211	87.151%	0.066	0.056	0.049	-0.015
σ		0.497%	0.073	0.023	0.524%	0.029	0.029	0.057	0.020
%RSD		0.591	31.060	10.930	0.601	44.320	52.180	114.900	133.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	83.826%	0.725	0.104	0.065	0.386	0.545	82.725%	83.335%
2	01:28:38	85.266%	0.736	0.097	0.160	0.585	0.625	84.530%	85.430%
3	01:29:20	87.006%	0.638	0.070	0.119	0.294	0.466	84.677%	86.024%
x		85.366%	0.700	0.091	0.115	0.422	0.545	83.977%	84.930%
σ		1.592%	0.054	0.018	0.047	0.149	0.080	1.087%	1.413%
%RSD		1.865	7.685	19.640	41.350	35.240	14.600	1.295	1.663

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:27:56	0.126	0.088	0.056	0.064	0.066	85.004%
2	01:28:38	0.108	0.103	0.072	0.127	0.099	86.509%
3	01:29:20	0.119	0.103	0.068	0.102	0.082	87.318%
x		0.118	0.098	0.066	0.098	0.083	86.277%
σ		0.009	0.009	0.008	0.031	0.016	1.174%
%RSD		7.354	9.265	12.750	32.160	19.860	1.361

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 68319 Batch Start Date: 12/12/12 09:07 Batch Analyst: Heakin, David

Batch Method: 7471A Batch End Date: 12/12/12 09:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00409	MTHGCALW 00290	MTHGICVW 00447	MTKMnO4Liq 00008
ICV 240-68319/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-68319/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-68319/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-68319/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-68319/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00053273

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 68388 Batch Start Date: 12/12/12 15:05 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 12/12/12 15:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00410	MTHGICVW 00447	MTKMnO4Liq 00008	
MB 240-68388/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-68388/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-18544-V-1	072SB-0063-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-18544-V-1 DU	072SB-0063-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-18544-V-1 MS	072SB-0063-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL	0.2 mL	15 mL	
240-18544-H-2	072SB-0064-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-18544-H-3	072SB-0065-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-18544-H-4	072SB-0066-0001-SO	7471A, 7471/DOD	T	0.58 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00053273

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 68775 Batch Start Date: 12/14/12 14:40 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 12/14/12 15:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00412	MTHGICVW 00449	MTKMnO4Liq 00008	
MB 240-68775/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-68775/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-18544-L-7-A	076SB-0090M-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-18544-L-7-DDU	076SB-0090M-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-18544-L-7-BMS	076SB-0090M-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL	0.2 mL	15 mL	
240-18544-M-8-A	076SB-0091M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-18544-M-8-DDU	076SB-0091M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-18544-M-8-BMS	076SB-0091M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL	0.2 mL	15 mL	
240-18544-E-10-A	076SB-0092-0001-SO	7471A, 7471/DOD	T	0.51 g	100 mL	5 mL		15 mL	
240-18544-E-11-A	076SB-0093-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-18544-E-12-A	076SB-0094-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-18544-E-13-A	076SB-0095-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-18544-E-14-A	076SB-0096-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-18544-E-15-A	076SB-0097-0001-SO	7471A, 7471/DOD	T	0.67 g	100 mL	5 mL		15 mL	
240-18544-E-16-A	076SB-0098-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-18544-E-17-A	076SB-0099-0001-SO	7471A, 7471/DOD	T	0.67 g	100 mL	5 mL		15 mL	
240-18544-E-20-A	076SB-0101M-0001-SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-18544-E-21-A	076SB-0102M-0001-SO	7471A, 7471/DOD	T	0.65 g	100 mL	5 mL		15 mL	
240-18544-E-22-A	076SB-0103M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-18544-E-23-A	076SB-0104M-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-18544-E-24-A	076SB-0105M-0001-SO	7471A, 7471/DOD	T	0.67 g	100 mL	5 mL		15 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 68775 Batch Start Date: 12/14/12 14:40 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 12/14/12 15:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00412	MTHGICVW 00449	MTKMnO4Liq 00008	
240-18544-E-25-A	076SB-0106M-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-18544-H-6	072SB-0068-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	
240-18544-H-18	076SB-0078-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-18544-H-5	072SB-0067-0001-SO	7471A, 7471/DOD	T	0.68 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00053273

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 69001 Batch Start Date: 12/17/12 09:51 Batch Analyst: Heakin, David

Batch Method: 7471A Batch End Date: 12/17/12 10:21

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00413	MTHGCALW 00292	MTHGICVW 00450	MTKMnO4Liq 00009
ICV 240-69001/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-69001/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-69001/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-69001/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-69001/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 69021 Batch Start Date: 12/17/12 15:15 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 12/17/12 15:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00413	MTHGICVW 00450	MTKMnO4Liq 00009	
MB 240-69021/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-69021/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-18544-U-19-A	076SB-0100M-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-18544-U-19-B DU	076SB-0100M-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-18544-V-19-A MS	076SB-0100M-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL	0.2 mL	15 mL	
240-18544-E-26-A	076SB-0107M-0001-SO	7471A, 7471/DOD	T	0.67 g	100 mL	5 mL		15 mL	
240-18544-E-27-A	076SB-0108M-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	
240-18544-E-28-A	076SB-0109M-0001-SO	7471A, 7471/DOD	T	0.70 g	100 mL	5 mL		15 mL	
240-18544-E-29-A	076SB-0110M-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-18544-E-30-A	076SB-0111M-0001-SO	7471A, 7471/DOD	T	0.66 g	100 mL	5 mL		15 mL	
240-18544-E-31-A	076SB-0112M-0001-SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-18544-E-32-A	076SB-0113M-0001-SO	7471A, 7471/DOD	T	0.51 g	100 mL	5 mL		15 mL	
240-18544-E-33-A	076SB-0114M-0001-SO	7471A, 7471/DOD	T	0.67 g	100 mL	5 mL		15 mL	
240-18544-E-34-A	076SB-0115M-0001-SO	7471A, 7471/DOD	T	0.51 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 69805 Batch Start Date: 12/21/12 14:10 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 12/21/12 14:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00416	MTHGICVW 00454	MTKMnO4Liq 00010	
MB 240-69805/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-69805/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-18544-B-38	075TR-0002-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-18544-B-38 DU	075TR-0002-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-18544-B-38 MS	075TR-0002-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL	0.2 mL	15 mL	
240-18544-B-39	075TR-0003-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-18544-B-40	075TR-0004-0001-SO	7471A, 7471/DOD	T	0.53 g	100 mL	5 mL		15 mL	
240-18544-B-41	075TR-0005-0001-SO	7471A, 7471/DOD	T	0.62 g	100 mL	5 mL		15 mL	
240-18544-B-42	075TR-0006-0001-SO	7471A, 7471/DOD	T	0.68 g	100 mL	5 mL		15 mL	
240-18544-B-43	075TR-0007-0001-SO	7471A, 7471/DOD	T	0.56 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00053273

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 70130 Batch Start Date: 12/26/12 13:25 Batch Analyst: Heakin, David

Batch Method: 7471A Batch End Date: 12/26/12 13:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00417	MTHGCALW 00294	MTHGICVW 00455	MTKMnO4Liq 00010
ICV 240-70130/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-70130/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-70130/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-70130/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-70130/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00053273

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18544-1

SDG No.:

Batch Number: 59175 Batch Start Date: 12/12/12 12:22 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 08:54

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	CANMS2 00001	CANMSA)Low 00001	CANMSA_High 00001
MB 180-59175/1		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL			
LCS 180-59175/2		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL	1 mL		1 mL
240-18544-X-1	072SB-0063-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.09 g	100 mL			
240-18544-I-2	072SB-0064-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.24 g	100 mL			
240-18544-J-3	072SB-0065-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.07 g	100 mL			
240-18544-I-4	072SB-0066-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.10 g	100 mL			
240-18544-I-5	072SB-0067-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.28 g	100 mL			
240-18544-A-1 DU	072SB-0063-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.09 g	100 mL			
240-18544-A-1 MS	072SB-0063-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.09 g	100 mL	1 mL	1 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	CANMSB_High 00001	CANMSB_Low 00001				
MB 180-59175/1		3050B, 6020/DOD							
LCS 180-59175/2		3050B, 6020/DOD		1 mL					
240-18544-X-1	072SB-0063-0001-SO	3050B, 6020/DOD	T						
240-18544-I-2	072SB-0064-0001-SO	3050B, 6020/DOD	T						
240-18544-J-3	072SB-0065-0001-SO	3050B, 6020/DOD	T						
240-18544-I-4	072SB-0066-0001-SO	3050B, 6020/DOD	T						
240-18544-I-5	072SB-0067-0001-SO	3050B, 6020/DOD	T						
240-18544-A-1 DU	072SB-0063-0001-SO	3050B, 6020/DOD	T						
240-18544-A-1 MS	072SB-0063-0001-SO	3050B, 6020/DOD	T		1 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18544-1

SDG No.:

Batch Number: 59175 Batch Start Date: 12/12/12 12:22 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 08:54

Batch Notes	
Analyst	Dale Elshaw Canton Lab
Balance ID	b039
Batch Comment	Samples were prepared in Canton Lab. Batched @ Pitt for TALS upload.
Filter Paper Lot Number	6326666
Hydrogen peroxide lot number	10 mL K45A06
Lot # of hydrochloric acid	10 mL 0000013500
Logbook ID for diluted Nitric	5 mL L03021
Lot # of Nitric Acid	10 mL L03021
Pipette ID	383364-383389
Digestion Tube/Cup Lot #	121018

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18544-1

SDG No.:

Batch Number: 59179 Batch Start Date: 12/14/12 11:44 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 08:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	CANMS2 00001	CANMSA)Low 00001	CANMSA_High 00001
MB 180-59179/1		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL			
LCS 180-59179/2		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL	1 mL		1 mL
240-18544-N-7	076SB-0090M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.14 g	100 mL			
240-18544-N-8	076SB-0091M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.17 g	100 mL			
240-18544-F-10	076SB-0092-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.34 g	100 mL			
240-18544-F-11	076SB-0093-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.30 g	100 mL			
240-18544-F-12	076SB-0094-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.12 g	100 mL			
240-18544-F-13	076SB-0095-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.44 g	100 mL			
240-18544-F-14	076SB-0096-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.42 g	100 mL			
240-18544-F-15	076SB-0097-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.24 g	100 mL			
240-18544-G-16	076SB-0098-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.05 g	100 mL			
240-18544-F-17	076SB-0099-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.10 g	100 mL			
240-18544-G-20	076SB-0101M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.05 g	100 mL			
240-18544-G-21	076SB-0102M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.32 g	100 mL			
240-18544-G-22	076SB-0103M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.48 g	100 mL			
240-18544-G-23	076SB-0104M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.18 g	100 mL			
240-18544-G-24	076SB-0105M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.30 g	100 mL			
240-18544-G-25	076SB-0106M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.26 g	100 mL			
240-18544-I-6	072SB-0068-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.21 g	100 mL			
240-18544-I-18	076SB-0078-0001-SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.10 g	100 mL			
240-18544-A-7 DU	076SB-0090M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.14 g	100 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18544-1

SDG No.:

Batch Number: 59179 Batch Start Date: 12/14/12 11:44 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 08:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	CANMS2 00001	CANMSA)Low 00001	CANMSA_High 00001
240-18544-A-7 MS	076SB-0090M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.14 g	100 mL	1 mL	1 mL	
240-18544-A-8 DU	076SB-0091M-0002 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.17 g	100 mL			
240-18544-A-8 MS	076SB-0091M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.17 g	100 mL	1 mL	1 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	CANMSB_High 00001	CANMSB_Low 00001				
MB 180-59179/1		3050B, 6020/DOD							
LCS 180-59179/2		3050B, 6020/DOD		1 mL					
240-18544-N-7	076SB-0090M-0001 -SO	3050B, 6020/DOD	T						
240-18544-N-8	076SB-0091M-0001 -SO	3050B, 6020/DOD	T						
240-18544-F-10	076SB-0092-0001-SO	3050B, 6020/DOD	T						
240-18544-F-11	076SB-0093-0001-SO	3050B, 6020/DOD	T						
240-18544-F-12	076SB-0094-0001-SO	3050B, 6020/DOD	T						
240-18544-F-13	076SB-0095-0001-SO	3050B, 6020/DOD	T						
240-18544-F-14	076SB-0096-0001-SO	3050B, 6020/DOD	T						
240-18544-F-15	076SB-0097-0001-SO	3050B, 6020/DOD	T						
240-18544-G-16	076SB-0098-0001-SO	3050B, 6020/DOD	T						
240-18544-F-17	076SB-0099-0001-SO	3050B, 6020/DOD	T						
240-18544-G-20	076SB-0101M-0001 -SO	3050B, 6020/DOD	T						
240-18544-G-21	076SB-0102M-0001 -SO	3050B, 6020/DOD	T						
240-18544-G-22	076SB-0103M-0001 -SO	3050B, 6020/DOD	T						
240-18544-G-23	076SB-0104M-0001 -SO	3050B, 6020/DOD	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18544-1

SDG No.:

Batch Number: 59179 Batch Start Date: 12/14/12 11:44 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 08:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	CANMSB_High 00001	CANMSB_Low 00001				
240-18544-G-24	076SB-0105M-0001 -SO	3050B, 6020/DOD	T						
240-18544-G-25	076SB-0106M-0001 -SO	3050B, 6020/DOD	T						
240-18544-I-6	072SB-0068-0001- SO	3050B, 6020/DOD	T						
240-18544-I-18	076SB-0078-0001- SO	3050B, 6020/DOD	T						
240-18544-A-7 DU	076SB-0090M-0001 -SO	3050B, 6020/DOD	T						
240-18544-A-7 MS	076SB-0090M-0001 -SO	3050B, 6020/DOD	T		1 mL				
240-18544-A-8 DU	076SB-0091M-0002 -SO	3050B, 6020/DOD	T						
240-18544-A-8 MS	076SB-0091M-0001 -SO	3050B, 6020/DOD	T		1 mL				

Batch Notes	
Analyst	Dale Elshaw Canton Lab
Balance ID	b039
Batch Comment	Samples were prepared in Canton Lab. Batched @ Pitt for TALS upload.
Filter Paper Lot Number	6326666
Hydrogen peroxide lot number	10 mL K45A06
Lot # of hydrochloric acid	10 mL 0000013500
Logbook ID for diluted Nitric	5 mL L03021
Lot # of Nitric Acid	10 mL L03021
Pipette ID	383364-383389
Digestion Tube/Cup Lot #	121018

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18544-1

SDG No.:

Batch Number: 59183 Batch Start Date: 12/17/12 12:42 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 09:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	CANMS2 00001	CANMSA)Low 00001	CANMSA_High 00001
MB 180-59183/1		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL			
LCS 180-59183/2		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL	1 mL		1 mL
240-18544-Z-19	076SB-0100M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.14 g	100 mL			
240-18544-G-26	076SB-0107M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.35 g	100 mL			
240-18544-G-27	076SB-0108M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.10 g	100 mL			
240-18544-G-28	076SB-0109M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.13 g	100 mL			
240-18544-G-29	076SB-0110M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.16 g	100 mL			
240-18544-F-30	076SB-0111M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.14 g	100 mL			
240-18544-J-31	076SB-0112M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.00 g	100 mL			
240-18544-F-32	076SB-0113M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.18 g	100 mL			
240-18544-G-33	076SB-0114M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.10 g	100 mL			
240-18544-F-34	076SB-0115M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.15 g	100 mL			
240-18544-A-19 DU	076SB-0100M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.14 g	100 mL			
240-18544-A-19 MS	076SB-0100M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.14 g	100 mL	1 mL	1 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	CANMSB_High 00001	CANMSB_Low 00001				
MB 180-59183/1		3050B, 6020/DOD							
LCS 180-59183/2		3050B, 6020/DOD		1 mL					
240-18544-Z-19	076SB-0100M-0001 -SO	3050B, 6020/DOD	T						
240-18544-G-26	076SB-0107M-0001 -SO	3050B, 6020/DOD	T						
240-18544-G-27	076SB-0108M-0001 -SO	3050B, 6020/DOD	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-18544-1

SDG No.:

Batch Number: 59183 Batch Start Date: 12/17/12 12:42 Batch Analyst: Reinheimer, Bill

Batch Method: 3050B Batch End Date: 12/29/12 09:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	CANMSB_High 00001	CANMSB_Low 00001				
240-18544-G-28	076SB-0109M-0001 -SO	3050B, 6020/DOD	T						
240-18544-G-29	076SB-0110M-0001 -SO	3050B, 6020/DOD	T						
240-18544-F-30	076SB-0111M-0001 -SO	3050B, 6020/DOD	T						
240-18544-J-31	076SB-0112M-0001 -SO	3050B, 6020/DOD	T						
240-18544-F-32	076SB-0113M-0001 -SO	3050B, 6020/DOD	T						
240-18544-G-33	076SB-0114M-0001 -SO	3050B, 6020/DOD	T						
240-18544-F-34	076SB-0115M-0001 -SO	3050B, 6020/DOD	T						
240-18544-A-19 DU	076SB-0100M-0001 -SO	3050B, 6020/DOD	T						
240-18544-A-19 MS	076SB-0100M-0001 -SO	3050B, 6020/DOD	T		1 mL				

Batch Notes	
Analyst	Dale Elshaw Canton Lab
Balance ID	b039
Batch Comment	Samples were prepared in Canton Lab. Batched @ Pitt for TALS upload.
Filter Paper Lot Number	7027633
Hydrogen peroxide lot number	10 mL 0000014472
Lot # of hydrochloric acid	10 mL 0000013500
Logbook ID for diluted Nitric	5 mL K47022
Lot # of Nitric Acid	10 mL K47022
Pipette ID	383364-383389
Digestion Tube/Cup Lot #	121013

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18544-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
072SB-0063-0001-SO	240-18544-1
072SB-0064-0001-SO	240-18544-2
072SB-0065-0001-SO	240-18544-3
072SB-0066-0001-SO	240-18544-4
072SB-0067-0001-SO	240-18544-5
072SB-0068-0001-SO	240-18544-6
076SB-0090M-0001-SO	240-18544-7
076SB-0091M-0001-SO	240-18544-8
076SB-0092-0001-SO	240-18544-10
076SB-0093-0001-SO	240-18544-11
076SB-0094-0001-SO	240-18544-12
076SB-0095-0001-SO	240-18544-13
076SB-0096-0001-SO	240-18544-14
076SB-0097-0001-SO	240-18544-15
076SB-0098-0001-SO	240-18544-16
076SB-0099-0001-SO	240-18544-17
076SB-0078-0001-SO	240-18544-18
076SB-0100M-0001-SO	240-18544-19
076SB-0101M-0001-SO	240-18544-20
076SB-0102M-0001-SO	240-18544-21
076SB-0103M-0001-SO	240-18544-22
076SB-0104M-0001-SO	240-18544-23
076SB-0105M-0001-SO	240-18544-24
076SB-0106M-0001-SO	240-18544-25
076SB-0107M-0001-SO	240-18544-26
076SB-0108M-0001-SO	240-18544-27
076SB-0109M-0001-SO	240-18544-28
076SB-0110M-0001-SO	240-18544-29
076SB-0111M-0001-SO	240-18544-30
076SB-0112M-0001-SO	240-18544-31
076SB-0113M-0001-SO	240-18544-32
076SB-0114M-0001-SO	240-18544-33
076SB-0115M-0001-SO	240-18544-34
075TR-0002-0001-SO	240-18544-38
075TR-0003-0001-SO	240-18544-39
075TR-0004-0001-SO	240-18544-40
075TR-0005-0001-SO	240-18544-41
075TR-0006-0001-SO	240-18544-42
075TR-0007-0001-SO	240-18544-43

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18544-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
072SB-0065-0001-SO	240-18544-3
076SB-0098-0001-SO	240-18544-16
076SB-0100M-0001-SO	240-18544-19
076SB-0101M-0001-SO	240-18544-20
076SB-0102M-0001-SO	240-18544-21
076SB-0103M-0001-SO	240-18544-22
076SB-0104M-0001-SO	240-18544-23
076SB-0105M-0001-SO	240-18544-24
076SB-0106M-0001-SO	240-18544-25
076SB-0107M-0001-SO	240-18544-26
076SB-0108M-0001-SO	240-18544-27
076SB-0109M-0001-SO	240-18544-28
076SB-0110M-0001-SO	240-18544-29
076SB-0112M-0001-SO	240-18544-31
076SB-0114M-0001-SO	240-18544-33

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 072SB-0065-0001-SO
Lab Sample ID: 240-18544-3
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 09:57
Reporting Basis: DRY
Date Received: 12/07/2012 17:55
% Solids: 89.0

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	10	52	19	8.1	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0098-0001-SO
Lab Sample ID: 240-18544-16
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 14:33
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	6.8	38	14	5.9	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0100M-0001-SO
Lab Sample ID: 240-18544-19
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 15:27
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	8.3	46	17	7.2	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0101M-0001-SO
Lab Sample ID: 240-18544-20
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 15:27
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	8.5	45	16	7.0	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0102M-0001-SO
Lab Sample ID: 240-18544-21
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 15:45
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.3	46	17	7.2	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0103M-0001-SO
Lab Sample ID: 240-18544-22
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 15:45
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.5	49	18	7.6	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0104M-0001-SO
Lab Sample ID: 240-18544-23
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 16:35
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.2	49	18	7.6	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0105M-0001-SO
Lab Sample ID: 240-18544-24
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 16:35
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.0	50	18	7.7	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0106M-0001-SO
Lab Sample ID: 240-18544-25
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 16:25
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	8.8	49	18	7.6	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0107M-0001-SO
Lab Sample ID: 240-18544-26
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 16:25
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.2	47	17	7.4	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0108M-0001-SO
Lab Sample ID: 240-18544-27
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 15:50
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	7.6	45	16	7.0	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0109M-0001-SO
Lab Sample ID: 240-18544-28
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 16:05
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.0	48	18	7.5	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0110M-0001-SO
Lab Sample ID: 240-18544-29
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 17:04
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.1	47	17	7.3	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0112M-0001-SO
Lab Sample ID: 240-18544-31
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 17:25
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	9.5	45	17	7.1	mg/Kg	J		1	WS-WC-0050

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0114M-0001-SO
Lab Sample ID: 240-18544-33
Lab Name: TestAmerica Sacramento
Job No.: 240-18544-1
SDG ID.:
Matrix: Solid
Date Sampled: 12/06/2012 17:35
Reporting Basis: WET
Date Received: 12/07/2012 17:55

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Nitrocellulose	7.8	46	17	7.2	mg/Kg	J		1	WS-WC-0050

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Analyst: JB Batch Start Date: 12/20/2012

Reporting Units: mg/L Analytical Batch No.: 7756

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	12:02	Nitrocellulose	8.45	8.40	101	90-110		WC-353.2-ICV_00015
9	ICB	12:04	Nitrocellulose	1.0				U	
21	CCV	12:28	Nitrocellulose	8.51	8.40	101	90-110		WC-353.2-L4_00010
22	CCB	12:30	Nitrocellulose	1.0				U	
35	CCV	12:56	Nitrocellulose	8.60	8.40	102	90-110		WC-353.2-L4_00010
36	CCB	12:58	Nitrocellulose	1.0				U	
48	CCV	13:22	Nitrocellulose	8.50	8.40	101	90-110		WC-353.2-L4_00010
49	CCB	13:24	Nitrocellulose	1.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 7756	Date: 12/20/2012 12:16	Prep Batch: 7638	Date: 12/20/2012 08:01				
WS-WC-0050	MB 320-7571/1-B	Nitrocellulose	1.31	J	mg/Kg	5.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7756	Date: 12/20/2012 12:34		Prep Batch: 7638		Date: 12/20/2012 08:01						
WS-WC-0050	240-18544-19	Nitrocellulose	8.3	J	mg/Kg						
WS-WC-0050	240-18544-19 MS	Nitrocellulose	197		mg/Kg	500	38	34-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7756	Date: 12/20/2012 12:36		Prep Batch: 7638		Date: 12/20/2012 08:01						
WS-WC-0050	240-18544-19 MSD	Nitrocellulose	185		mg/Kg	440	40	34-115	6	71	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7756	Date: 12/20/2012 12:18		Prep Batch: 7638			Date: 12/20/2012 08:01					
						LCS Source: HPNCSP_00007					
WS-WC-0050	LCS 320-7571/2-B	Nitrocellulose	33.3		mg/Kg	51.0	65	34-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 7756	Date: 12/20/2012 12:06										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-0050	MRL 320-7756/10	Nitrocellulose	1.0	U	mg/L	0.420	108	70-130			
Batch ID: 7756	Date: 12/20/2012 12:26										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-0050	MRL 320-7756/20	Nitrocellulose	0.538	J	mg/L	0.420	128	70-130			
Batch ID: 7756	Date: 12/20/2012 12:54										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-0050	MRL 320-7756/34	Nitrocellulose	0.546	J	mg/L	0.420	130	70-130			
Batch ID: 7756	Date: 12/20/2012 13:20										
						LCS Source:	WC-353.2-L1_00014				
WS-WC-0050	MRL 320-7756/47	Nitrocellulose	0.529	J	mg/L	0.420	126	70-130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18544-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-18544-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18544-1

SDG Number:

Matrix: Solid Instrument ID: FS4

Method: WS-WC-0050 DL Date: 03/15/2011 14:37

Prep Method: 353 (NCell-Hyd)

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Nitrocellulose		5	0.78

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job Number: 240-18544-1

SDG Number:

Matrix: Solid Instrument ID: FS4

Method: WS-WC-0050 XMDL Date: 03/15/2011 14:36

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrocellulose		2	0.475

11-IN
LINEAR RANGES
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No: 240-18544-1

SDG No.:

Instrument ID: FS4 Date: 07/31/2011 19:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Nitrocellulose		16.8	WS-WC-0050

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Prep Method: 353 (NCell-Hyd)

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 320-7571/1-B	12/20/2012 08:01	7638		45	40
LCS 320-7571/2-B	12/20/2012 08:01	7638		45	40
240-18544-3	12/20/2012 08:01	7638		45	40
240-18544-16	12/20/2012 08:01	7638		45	40
240-18544-19	12/20/2012 08:01	7638		45	40
240-18544-19 MS	12/20/2012 08:01	7638		45	40
240-18544-19 MSD	12/20/2012 08:01	7638		45	40
240-18544-20	12/20/2012 08:01	7638		45	40
240-18544-21	12/20/2012 08:01	7638		45	40
240-18544-22	12/20/2012 08:01	7638		45	40
240-18544-23	12/20/2012 08:01	7638		45	40
240-18544-24	12/20/2012 08:01	7638		45	40
240-18544-25	12/20/2012 08:01	7638		45	40
240-18544-26	12/20/2012 08:01	7638		45	40
240-18544-27	12/20/2012 08:01	7638		45	40
240-18544-28	12/20/2012 08:01	7638		45	40
240-18544-29	12/20/2012 08:01	7638		45	40
240-18544-31	12/20/2012 08:01	7638		45	40
240-18544-33	12/20/2012 08:01	7638		45	40

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/10/2012 16:00 End Date: 12/10/2012 16:00

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
240-18544-1	1	T	16:00	X	X																			
240-18544-1 DU	1	T	16:00	X	X																			
240-18544-2	1	T	16:00	X	X																			
240-18544-3	1	T	16:00	X	X																			
240-18544-4	1	T	16:00	X	X																			
240-18544-5	1	T	16:00	X	X																			
240-18544-6	1	T	16:00	X	X																			
240-18544-10	1	T	16:00	X	X																			
240-18544-11	1	T	16:00	X	X																			
240-18544-12	1	T	16:00	X	X																			
240-18544-13	1	T	16:00	X	X																			
240-18544-7 DU	1	T	16:00	X	X																			
240-18544-7	1	T	16:00	X	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/10/2012 16:00 End Date: 12/10/2012 16:00

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
240-18544-14	1	T	16:00	X	X																		
240-18544-15	1	T	16:00	X	X																		
240-18544-16	1	T	16:00	X	X																		
240-18544-17	1	T	16:00	X	X																		
240-18544-18	1	T	16:00	X	X																		
240-18544-20	1	T	16:00	X	X																		
240-18544-21	1	T	16:00	X	X																		
240-18544-22	1	T	16:00	X	X																		
240-18544-8 DU	1	T	16:00	X	X																		
240-18544-8	1	T	16:00	X	X																		
240-18544-23	1	T	16:00	X	X																		
240-18544-24	1	T	16:00	X	X																		
240-18544-25	1	T	16:00	X	X																		
240-18544-26	1	T	16:00	X	X																		
240-18544-27	1	T	16:00	X	X																		
240-18544-28	1	T	16:00	X	X																		
240-18544-29	1	T	16:00	X	X																		
240-18544-30	1	T	16:00	X	X																		
240-18544-19 DU	1	T	16:00	X	X																		
240-18544-19	1	T	16:00	X	X																		
240-18544-31	1	T	16:00	X	X																		
240-18544-32	1	T	16:00	X	X																		
240-18544-33	1	T	16:00	X	X																		
240-18544-34	1	T	16:00	X	X																		
240-18544-38	1	T	16:00	X	X																		
240-18544-39	1	T	16:00	X	X																		
240-18544-40	1	T	16:00	X	X																		
240-18544-41	1	T	16:00	X	X																		
240-18544-42 DU	1	T	16:00	X	X																		
240-18544-42	1	T	16:00	X	X																		
240-18544-43	1	T	16:00	X	X																		
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				
ZZZZZZ			16:00																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/10/2012 16:00 End Date: 12/10/2012 16:00

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:00	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/10/2012 16:00 End Date: 12/10/2012 16:00

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:00	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/10/2012 16:00 End Date: 12/10/2012 16:00

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					
ZZZZZZ			16:00																					

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/20/2012 11:48 End Date: 12/20/2012 13:26

Lab Sample ID	D/F	Type	Time	Analytes																				
				NCL																				
ZZZZZZ			11:48																					
STD0 320-7756/2 IC			11:50	X																				
STD1 320-7756/3 IC			11:52	X																				
STD2 320-7756/4 IC			11:54	X																				
STD3 320-7756/5 IC			11:56	X																				
STD4 320-7756/6 IC			11:58	X																				
STD5 320-7756/7 IC			12:00	X																				
ICV 320-7756/8	1		12:02	X																				
ICB 320-7756/9	1		12:04	X																				
MRL 320-7756/10	1	T	12:06	X																				
ZZZZZZ			12:08																					
ZZZZZZ			12:10																					
ZZZZZZ			12:12																					
ZZZZZZ			12:14																					
MB 320-7571/1-B	1	T	12:16	X																				
LCS 320-7571/2-B	1	T	12:18	X																				
240-18544-3	1	T	12:20	X																				
240-18544-16	1	T	12:22	X																				
240-18544-19	1	T	12:24	X																				
MRL 320-7756/20	1	T	12:26	X																				
CCV 320-7756/21	1		12:28	X																				
CCB 320-7756/22	1		12:30	X																				
ZZZZZZ			12:32																					
240-18544-19 MS	1	T	12:34	X																				
240-18544-19 MSD	1	T	12:36	X																				
240-18544-20	1	T	12:38	X																				
240-18544-21	1	T	12:40	X																				
240-18544-22	1	T	12:42	X																				
240-18544-23	1	T	12:44	X																				
240-18544-24	1	T	12:46	X																				
240-18544-25	1	T	12:48	X																				
240-18544-26	1	T	12:50	X																				
240-18544-27	1	T	12:52	X																				
MRL 320-7756/34	1	T	12:54	X																				
CCV 320-7756/35	1		12:56	X																				
CCB 320-7756/36	1		12:58	X																				
ZZZZZZ			13:00																					
240-18544-28	1	T	13:02	X																				
240-18544-29	1	T	13:04	X																				
240-18544-31	1	T	13:06	X																				
240-18544-33	1	T	13:08	X																				
ZZZZZZ			13:10																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Instrument ID: FS4 Method: WS-WC-0050

Start Date: 12/20/2012 11:48 End Date: 12/20/2012 13:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				NCL																			
ZZZZZZ			13:12																				
ZZZZZZ			13:14																				
ZZZZZZ			13:16																				
ZZZZZZ			13:18																				
MRL 320-7756/47	1	T	13:20	X																			
CCV 320-7756/48	1		13:22	X																			
CCB 320-7756/49	1		13:24	X																			
ZZZZZZ			13:26																				

Prep Types

T = Total/NA

Peak Table:Nitrate/Nitrite

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012A.RST
Date: 20-Dec-12
Operator: JB

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppm)	Flags
1	105	Sync	1	SYNC	1	1	122929	0.990354	
B	0	Baseline	1	RB	1	1	0	0.013152	BL
3	0	Cal 0	1	C	1	1	-20	0.012989	
4	102	Cal 1	1	C	1	1	5229	0.054721	
5	103	Cal 2	1	C	1	1	21807	0.186504	
6	104	Cal 3	1	C	1	1	47888	0.393828	
7	105	Cal 4	1	C	1	1	124015	0.998986	
8	106	Cal 5	1	C	1	1	250313	2.002973	HI
9	107	ICV	1	U	1	1	124782	1.005084	FL
10	0	BLANK/ICB	1	BLNK	1	1	181	0.014592	
11	102	MRL	1	U	1	1	5127	0.053904	
12	108	NO2 1PPM	1	U	1	1	122267	0.985090	
13	109	NO3 1PPM	1	U	1	1	122430	0.986390	
14	0	Blank	1	BLNK	1	1	-19	0.013000	
B	0	Baseline	1	RB	1	1	0	0.013152	BL
16	113	mb 320-7571/1-b	1	U	1	1	3275	0.039184	
17	114	lcs 320-7571/2-b	1	U	1	1	123058	0.991384	
18	115	240-18544-i-3-d	1	U	1	1	1961	0.028741	
19	116	240-18544-f-16-d	1	U	1	1	1786	0.027351	
20	117	240-18544-x-19-b	1	U	1	1	1774	0.027253	
21	102	MRL	1	U	1	1	6336	0.063521	
22	105	CCV	1	U	1	1	125772	1.012956	
23	0	Blank	1	BLNK	1	1	56	0.013600	
B	0	Baseline	1	RB	1	1	0	0.013152	BL
25	118	240-18544-a-19-h ms	1	U	1	1	73472	0.597208	
26	119	240-18544-a-19-i msd	1	U	1	1	78722	0.638942	
27	120	240-18544-f-20-d	1	U	1	1	1820	0.027615	
28	121	240-18544-f-21-d	1	U	1	1	2099	0.029838	
29	122	240-18544-f-22-d	1	U	1	1	1977	0.028868	
30	123	240-18544-f-23-d	1	U	1	1	1822	0.027638	
31	124	240-18544-f-24-d	1	U	1	1	1742	0.027003	
32	125	240-18544-f-25-d	1	U	1	1	1773	0.027248	
33	126	240-18544-f-26-d	1	U	1	1	1986	0.028940	
34	127	240-18544-f-27-d	1	U	1	1	1462	0.024770	
35	102	MRL	1	U	1	1	6490	0.064740	
36	105	CCV	1	U	1	1	127048	1.023097	
37	0	BLANK	1	BLNK	1	1	101	0.013951	
B	0	Baseline	1	RB	1	1	0	0.013152	BL
39	128	240-18544-f-28-d	1	U	1	1	1879	0.028085	
40	129	240-18544-f-29-d	1	U	1	1	2032	0.029305	
41	130	240-18544-i-31-d	1	U	1	1	2215	0.030760	
42	131	240-18544-f-33-d	1	U	1	1	1512	0.025171	
43	132	240-18581-n-1-b	1	U	1	1	1457	0.024735	
44	133	240-18581-n-3-b	1	U	1	1	2117	0.029977	
45	134	240-18581-l-5-b	1	U	1	1	1594	0.025827	
46	135	240-18703-i-8-d	1	U	1	1	2045	0.029408	
47	136	240-18703-l-18-d	1	U	1	1	2211	0.030728	
48	102	MRL	1	U	1	1	6246	0.062800	
49	105	CCV	1	U	1	1	125700	1.012387	
50	0	BLANK	1	BLNK	1	1	48	0.013536	
B	0	Baseline	1	RB	1	1	0	0.013152	BL

Report Results by Sample
Result path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012A.RST
Sample table path: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012a.tbl
Method path: Y:\no3_no2.mth
Date acquired: 20-Dec-12
Time acquired: 13:31

Facility Name:
Facility Location:
Department:

Operator Name: JB
Operator ID: JB

Platform: FS III/IV
Software Rev Code: 210
Data system ID: 57

Channel: 1
Analysis: Nitrate/Nitrite
CAS Number:
Methodology: NO2+NO3-353.2/N02-353.2/WS-WC-0050

	Temp	Warmup	Run time	Reps
rack 1	Off	1134:03:50	1:38:15	14
rack 2	Off	1134:03:50	1:38:15	14
rack 3	Off	1134:03:50	1:38:15	14

Notes

Cup	Name	S	1:Time	1:Value	1:S
0	Baseline	C	11:48:39	0.01	[C]
0	Cal 0	C	11:50:39	0.01	[C]
102	Cal 1	C	11:52:40	0.05	[C]
103	Cal 2	C	11:54:40	0.19	[C]
104	Cal 3	C	11:56:40	0.39	[C]
105	Cal 4	C	11:58:40	1.00	[C]
106	Cal 5	C	12:00:40	2.00	[C]
107	ICV	-	12:02:40	1.01	[-]
0	BLANK/ICB	C	12:04:41	0.01	[C]
102	MRL	-	12:06:41	0.05	[-]
108	NO2 1PPM	-	12:08:41	0.99	[-]
109	NO3 1PPM	-	12:10:41	0.99	[-]
0	Blank	C	12:12:41	0.01	[C]
0	Baseline	C	12:14:41	0.01	[C]
113	mb 320-7571/1-b	-	12:16:42	0.04	[-]
114	lcs 320-7571/2-b	-	12:18:42	0.99	[-]
115	240-18544-i-3-d	-	12:20:42	0.03	[-]
116	240-18544-f-16-d	-	12:22:42	0.03	[-]
117	240-18544-x-19-b	-	12:24:42	0.03	[-]
102	MRL	-	12:26:42	0.06	[-]
105	CCV	-	12:28:43	1.01	[-]
0	Blank	C	12:30:43	0.01	[C]
0	Baseline	C	12:32:43	0.01	[C]
118	240-18544-a-19-h ms	-	12:34:43	0.60	[-]
119	240-18544-a-19-i msd	-	12:36:43	0.64	[-]
120	240-18544-f-20-d	-	12:38:44	0.03	[-]
121	240-18544-f-21-d	-	12:40:44	0.03	[-]
122	240-18544-f-22-d	-	12:42:44	0.03	[-]
123	240-18544-f-23-d	-	12:44:44	0.03	[-]
124	240-18544-f-24-d	-	12:46:44	0.03	[-]
125	240-18544-f-25-d	-	12:48:44	0.03	[-]
126	240-18544-f-26-d	-	12:50:45	0.03	[-]
127	240-18544-f-27-d	-	12:52:45	0.02	[-]
102	MRL	-	12:54:45	0.06	[-]
105	CCV	-	12:56:45	1.02	[-]
0	BLANK	C	12:58:45	0.01	[C]
0	Baseline	C	13:00:46	0.01	[C]
128	240-18544-f-28-d	-	13:02:46	0.03	[-]
129	240-18544-f-29-d	-	13:04:46	0.03	[-]
130	240-18544-i-31-d	-	13:06:46	0.03	[-]
131	240-18544-f-33-d	-	13:08:46	0.03	[-]
132	240-18581-n-1-b	-	13:10:46	0.02	[-]
133	240-18581-n-3-b	-	13:12:47	0.03	[-]
134	240-18581-l-5-b	-	13:14:47	0.03	[-]
135	240-18703-i-8-d	-	13:16:47	0.03	[-]
136	240-18703-l-18-d	-	13:18:47	0.03	[-]
102	MRL	-	13:20:47	0.06	[-]
105	CCV	-	13:22:47	1.01	[-]
0	BLANK	C	13:24:48	0.01	[C]
0	Baseline	C	13:26:48	0.01	[C]

Nitrate/Nitrite:Calibration 1: Peak 3-51

File name: Z:\GENCHEM\ALPKEM~2\2012\NITROC~1\122012A.RST
Date: 20-Dec-12
Operator: JB

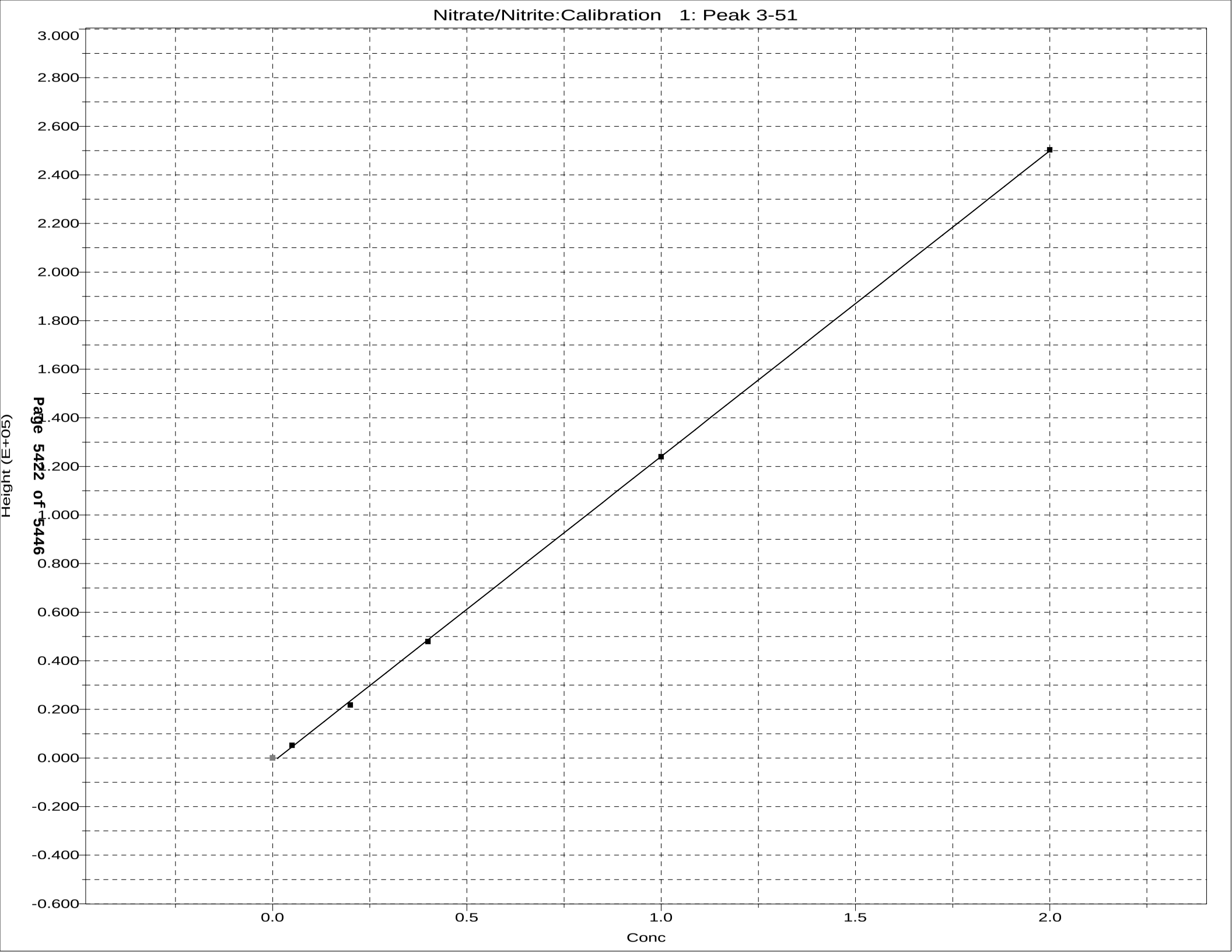
*	Name	Conc	Height
*	Cal 0	0.000000	-20.487640
*	Cal 1	0.050000	5229.244141
*	Cal 2	0.200000	21807.140625
*	Cal 3	0.400000	47887.773438
*	Cal 4	1.000000	124014.531250
*	Cal 5	2.000000	250312.718750

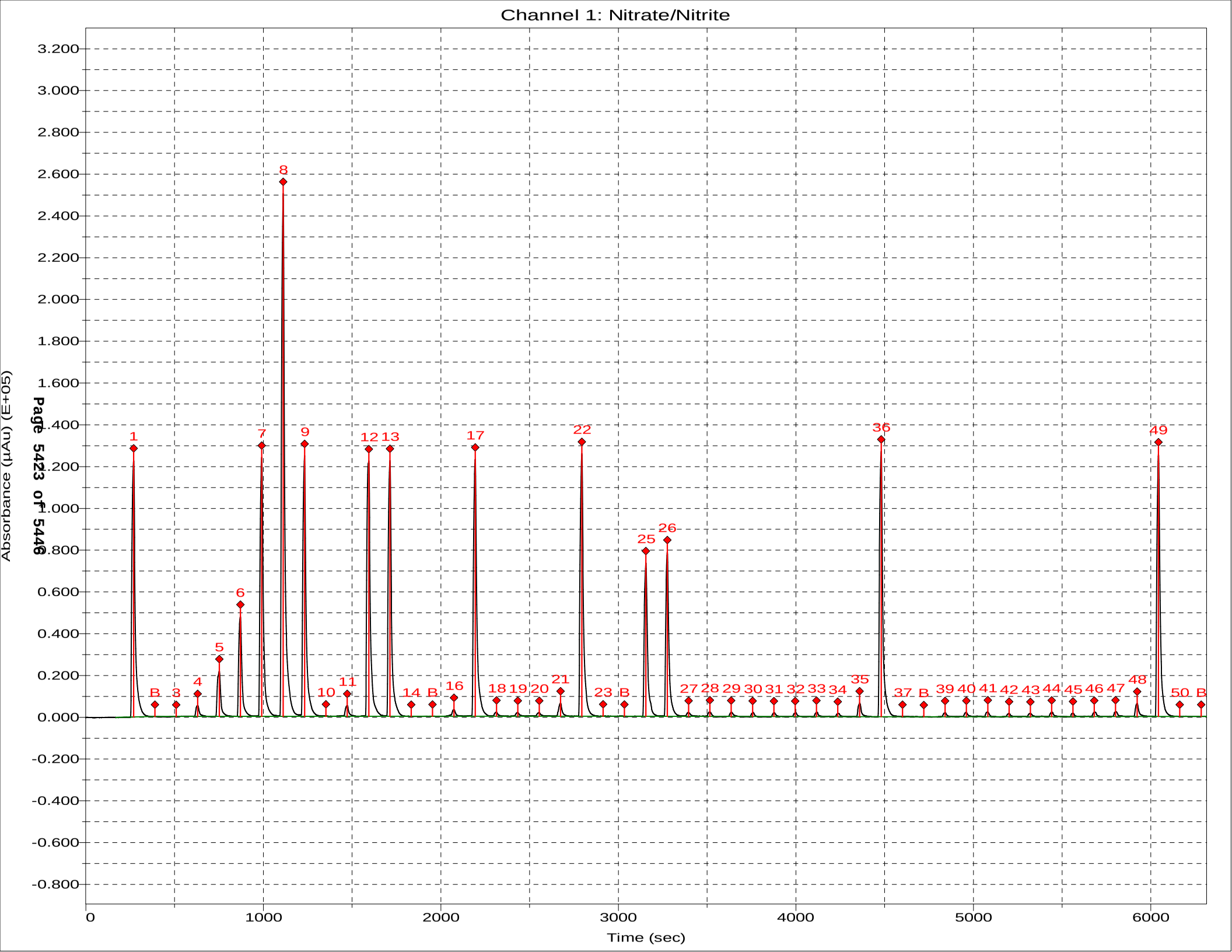
Calib Coef:
y=bx+a
a: (intercept) -1.6544e+03
b: 1.2580e+05

Corr Coef: 0.999929

Carryover: n/a

No Drift Peaks


Nitrate/Nitrite:Calibration 1: Peak 3-51
Height (E+05)
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
0.0
0.5
1.0
1.5
2.0
Conc


Channel 1: Nitrate/Nitrite
Absorbance (µAu) (E+05)
Time (sec)
Page 5423 of 5446
3.200
3.000
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
-0.800
0
1000
2000
3000
4000
5000
6000
1 B 3 4 5 6 7 8 9 10 11 12 13 14 B 16 17 18 19 20 21 22 23 B 25 26 27 28 29 30 31 32 33 34 35 36 37 B 39 40 41 42 43 44 45 46 47 48 49 50 B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Level I and Level II Review Checklist
General Chemistry

Instrument ID FS4		WS-WC-0050 Ncell	
Batch 7756	File # 122012A	Date 12/20/12	Analyst JT

Lot Numbers 240-18544, 240-18581, 240-18703	YES	NO	NA
LEVEL 1 Review:			
1. Samples properly preserved/verified	✓		
2. Run setup meets Std criteria (Curve, ICV/ICB, CCV etc.)	✓		
3. Calibration criteria met (R=0.995, R^2=0.990)	✓		
4. Interception criteria for quadratic fits + or – ½ the RL			✓
5. Second source std in control	✓		
6. Batch QC in control (LCS,MB,MS/MSD,DCS if necessary)	✓		
7. Calculations checked	✓		
8. QAS/QAPP consulted for client specific requirements	✓		
9. Standard tracking #'s recorded on runlog/benchsheet	✓		
10. Manual integration performed, documented & approved			✓
11. Copy of run log included with data package	✓		
12. Copy of conductivity screen logbook (314.0 only)			✓
LEVEL 1 Data Review:			
1. Benchsheet complete	✓		
2. QAS/QAPP Consulted for client specific data entry	✓		
3. Copy of prep sheet/checklist submitted	✓		
4. NCM(s) submitted	✓		

COMMENTS: _____

REVIEWED BY: DMC DATA ENTERED BY:
DATE: 12/28/12 DATE: JT 12/28/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 68070 Batch Start Date: 12/10/12 16:00 Batch Analyst: Martin, Aaron

Batch Method: Moisture Batch End Date: 12/11/12 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18544-T-1	072SB-0063-0001-SO	Moisture	T	4.3988 g	17.7362 g	16.2387 g			
240-18544-S-1 DU	072SB-0063-0001-SO	Moisture	T	4.3988 g	17.5574 g	16.1162 g			
240-18544-G-2	072SB-0064-0001-SO	Moisture	T	4.3988 g	17.6819 g	16.3179 g			
240-18544-G-3	072SB-0065-0001-SO	Moisture	T	4.3988 g	17.1601 g	15.7526 g			
240-18544-G-4	072SB-0066-0001-SO	Moisture	T	4.3988 g	16.5435 g	15.1545 g			
240-18544-G-5	072SB-0067-0001-SO	Moisture	T	4.3988 g	14.8573 g	13.8022 g			
240-18544-G-6	072SB-0068-0001-SO	Moisture	T	4.3988 g	17.2221 g	15.9793 g			
240-18544-D-10	076SB-0092-0001-SO	Moisture	T	4.3988 g	8.2740 g	7.9443 g			
240-18544-D-11	076SB-0093-0001-SO	Moisture	T	4.3988 g	8.9678 g	8.5804 g			
240-18544-D-12	076SB-0094-0001-SO	Moisture	T	4.3988 g	9.4139 g	8.9601 g			
240-18544-D-13	076SB-0095-0001-SO	Moisture	T	4.3988 g	9.3116 g	8.6251 g			
240-18544-J-7 DU	076SB-0090M-0001-SO	Moisture	T	4.3988 g	8.7436 g	8.2880 g			
240-18544-K-7	076SB-0090M-0001-SO	Moisture	T	4.3988 g	8.5762 g	8.1321 g			
240-18544-D-14	076SB-0096-0001-SO	Moisture	T	4.3988 g	9.2398 g	8.6781 g			
240-18544-D-15	076SB-0097-0001-SO	Moisture	T	4.3988 g	10.7059 g	10.0084 g			
240-18544-D-16	076SB-0098-0001-SO	Moisture	T	4.3988 g	10.3933 g	9.7808 g			
240-18544-D-17	076SB-0099-0001-SO	Moisture	T	4.3988 g	10.6235 g	10.1034 g			
240-18544-G-18	076SB-0078-0001-SO	Moisture	T	4.3988 g	10.2855 g	9.7988 g			
240-18544-D-20	076SB-0101M-0001-SO	Moisture	T	4.3988 g	9.9308 g	9.4385 g			
240-18544-D-21	076SB-0102M-0001-SO	Moisture	T	4.3988 g	8.4883 g	8.2265 g			
240-18544-D-22	076SB-0103M-0001-SO	Moisture	T	4.3988 g	9.5761 g	9.0101 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 68070 Batch Start Date: 12/10/12 16:00 Batch Analyst: Martin, Aaron

Batch Method: Moisture Batch End Date: 12/11/12 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18544-J-8 DU	076SB-0091M-0001-SO	Moisture	T	4.3988 g	9.1759 g	8.7788 g			
240-18544-K-8	076SB-0091M-0001-SO	Moisture	T	4.3988 g	8.6545 g	8.3559 g			
240-18544-D-23	076SB-0104M-0001-SO	Moisture	T	4.3988 g	9.6897 g	8.9153 g			
240-18544-D-24	076SB-0105M-0001-SO	Moisture	T	4.3988 g	9.5474 g	8.9037 g			
240-18544-D-25	076SB-0106M-0001-SO	Moisture	T	4.3988 g	9.5650 g	9.0953 g			
240-18544-D-26	076SB-0107M-0001-SO	Moisture	T	4.3988 g	9.0989 g	8.7716 g			
240-18544-D-27	076SB-0108M-0001-SO	Moisture	T	4.3988 g	7.8760 g	7.5466 g			
240-18544-D-28	076SB-0109M-0001-SO	Moisture	T	4.3988 g	10.9745 g	9.9869 g			
240-18544-D-29	076SB-0110M-0001-SO	Moisture	T	4.3988 g	9.8580 g	9.0664 g			
240-18544-D-30	076SB-0111M-0001-SO	Moisture	T	4.3988 g	10.0498 g	9.2165 g			
240-18544-S-19 DU	076SB-0100M-0001-SO	Moisture	T	4.3988 g	12.6182 g	11.7152 g			
240-18544-S-19	076SB-0100M-0001-SO	Moisture	T	4.3988 g	13.5068 g	12.9560 g			
240-18544-D-31	076SB-0112M-0001-SO	Moisture	T	4.3988 g	9.0640 g	8.5454 g			
240-18544-D-32	076SB-0113M-0001-SO	Moisture	T	4.3988 g	8.3156 g	7.8214 g			
240-18544-D-33	076SB-0114M-0001-SO	Moisture	T	4.3988 g	10.3675 g	9.3678 g			
240-18544-D-34	076SB-0115M-0001-SO	Moisture	T	4.3988 g	10.4723 g	9.3861 g			
240-18544-A-38	075TR-0002-0001-SO	Moisture	T	4.3988 g	15.0875 g	12.9173 g			
240-18544-A-39	075TR-0003-0001-SO	Moisture	T	4.3988 g	14.9855 g	12.7861 g			
240-18544-A-40	075TR-0004-0001-SO	Moisture	T	4.3988 g	10.9221 g	9.6239 g			
240-18544-A-41	075TR-0005-0001-SO	Moisture	T	4.3988 g	12.6662 g	10.6392 g			
240-18544-A-42 DU	075TR-0006-0001-SO	Moisture	T	4.3988 g	11.6339 g	9.8507 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-18544-1

SDG No.:

Batch Number: 68070 Batch Start Date: 12/10/12 16:00 Batch Analyst: Martin, Aaron

Batch Method: Moisture Batch End Date: 12/11/12 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-18544-A-42	075TR-0006-0001-SO	Moisture	T	4.3988 g	9.9592 g	8.5369 g			
240-18544-A-43	075TR-0007-0001-SO	Moisture	T	4.3988 g	12.4715 g	10.7159 g			

Batch Notes	
Balance ID	B47 No Unit
Date samples were placed in the oven	12/10/12
Oven Temp when samples are put in oven	103.9 Degrees C
Time samples were place in the oven	16:30
Date samples were removed from oven	12/11/12
Oven Temp when samples removed from oven	103.8 Degrees C
Time Samples were removed from oven	5:30
Oven ID	O02
ID number of the thermometer	TEMPGUARD BOX C#6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Batch Number: 7571 Batch Start Date: 12/19/12 06:06 Batch Analyst: Phan, Tuan

Batch Method: 353.2 (NCell) Batch End Date: 12/19/12 12:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
MB 320-7571/1		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL				
LCS 320-7571/2		353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050		10.00 g	45 mL	1 mL			
240-18544-I-3	072SB-0065-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.08 g	45 mL				
240-18544-F-16	076SB-0098-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.33 g	45 mL				
240-18544-X-19	076SB-0100M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.09 g	45 mL				
240-18544-A-19 MS	076SB-0100M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.02 g	45 mL	1 mL			
240-18544-A-19 MSD	076SB-0100M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.16 g	45 mL	1 mL			
240-18544-F-20	076SB-0101M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.11 g	45 mL				
240-18544-F-21	076SB-0102M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.08 g	45 mL				
240-18544-F-22	076SB-0103M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.03 g	45 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Batch Number: 7571 Batch Start Date: 12/19/12 06:06 Batch Analyst: Phan, Tuan

Batch Method: 353.2 (NCell) Batch End Date: 12/19/12 12:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	HPNCSP 00007			
240-18544-F-23	076SB-0104M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.02 g	45 mL				
240-18544-F-24	076SB-0105M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.01 g	45 mL				
240-18544-F-25	076SB-0106M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.03 g	45 mL				
240-18544-F-26	076SB-0107M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.06 g	45 mL				
240-18544-F-27	076SB-0108M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.11 g	45 mL				
240-18544-F-28	076SB-0109M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.04 g	45 mL				
240-18544-F-29	076SB-0110M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.07 g	45 mL				
240-18544-I-31	076SB-0112M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.10 g	45 mL				
240-18544-F-33	076SB-0114M-0001-SO	353.2 (NCell), 353 (NCell-Hyd), WS-WC-0050	T	1.08 g	45 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Batch Number: 7571 Batch Start Date: 12/19/12 06:06 Batch Analyst: Phan, Tuan

Batch Method: 353.2 (NCell) Batch End Date: 12/19/12 12:10

Batch Notes	
1:1 MeOH/H2O	HPHeOH/H2O_00003
Acetone Lot #	ACETONE_00004
Centrifuge Tube	2223568

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Batch Number: 7638 Batch Start Date: 12/20/12 05:40 Batch Analyst: Phan, Tuan

Batch Method: 353 (NCell-Hyd) Batch End Date: 12/20/12 08:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 320-7571/1-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
LCS 320-7571/2-A		353 (NCell-Hyd), WS-WC-0050		45 mL	40 mL				
240-18544-I-3-C	072SB-0065-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-16-C	076SB-0098-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-X-19-A	076SB-0100M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-A-19-F MS	076SB-0100M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-A-19-G MSD	076SB-0100M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-20-C	076SB-0101M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-21-C	076SB-0102M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-22-C	076SB-0103M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-23-C	076SB-0104M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-24-C	076SB-0105M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-25-C	076SB-0106M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-26-C	076SB-0107M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Batch Number: 7638 Batch Start Date: 12/20/12 05:40 Batch Analyst: Phan, Tuan

Batch Method: 353 (NCell-Hyd) Batch End Date: 12/20/12 08:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
240-18544-F-27-C	076SB-0108M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-28-C	076SB-0109M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-29-C	076SB-0110M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-I-31-C	076SB-0112M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				
240-18544-F-33-C	076SB-0114M-0001-SO	353 (NCell-Hyd), WS-WC-0050	T	45 mL	40 mL				

Batch Notes	
0.45 Filter Vendor/Lot	MILLIPORE R2DA20309A
Centrifuge Tube	2223568
Sulfuric Acid Lot Number	SULFURIC ACID_00001
Millipore Water Dispense Date	12/13/12
NaOH Lot #	SODIUM HYDROX_00001

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Sacramento Job No.: 240-18544-1

SDG No.:

Batch Number: 7756 Batch Start Date: 12/20/12 11:48 Batch Analyst: Baynes, Jason

Batch Method: WS-WC-0050 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC-353.2-ICV 00015	WC-353.2-L1 00014	WC-353.2-L4 00010			
ICV 320-7756/8		WS-WC-0050		# mL					
MRL 320-7756/10		WS-WC-0050			# mL				
MRL 320-7756/20		WS-WC-0050			# mL				
CCV 320-7756/21		WS-WC-0050				# mL			
MRL 320-7756/34		WS-WC-0050			# mL				
CCV 320-7756/35		WS-WC-0050				# mL			
MRL 320-7756/47		WS-WC-0050			# mL				
CCV 320-7756/48		WS-WC-0050				# mL			

Batch Notes	
Nitrocellulose Assay	0.119
Color Reagent 1 ID	4525-WC-16-3 e. 3/17/13
NO2/NO3 Indicator ID #	4525-WC-16-2 e. 12/13/13

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECL	Client Project Manager: A. EASTERDAL	Site Contact: MARK LIEB	Lab Contact:	COC No: 049443
Address: 33 BOSTON POST RD #420	Telephone:	Telephone: JEFF DONOVAN	Telephone:	1 of 5 COCs
City/State/Zip: MARLBORO MA	Email:	Analysis Turnaround Time (in BUS days)		For lab use only
Phone:		TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name:	Method of Shipment/Carrier:			
Project Number:	Shipping/Tracking No:			Job/SDG No:
P O #				

Analyses

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: HCl/MEOH	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other: DI	Filtered Sample (Y / N)	Composite C / Grab G	BTEX/MTBE	PAH/SVOCs	TPH DRO	TPH GRO	TAL METALS	PEST	PCB	EXPLOSIVES	PROPELLANTS	VOC	Sample Specific Notes / Special Instructions:
0725B-0063-0001-SO	12-6-12	0922				X							X				X	X	X	X	X						
0725B-0064-0002-SO		0922															X	X	X	X	X						MS/MSD
0725B-0065-0001-SO		0922															X	X	X	X	X	X	X	X	X	X	
0725B-0066-0001-SO		0957															X	X	X	X	X						
0725B-0067-0001-SO		1012																									
0725B-0068-0001-SO		1020																									
0765B-0090-0001-SO		1440																									
0765B-0090-0002-SO		1440																									MS/MSD
0765B-0091-0001-SO		1440																									
0725B-0069-0001-TB		0800								X																X	TRIP BLK

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
0765B-0090-0001-SO ~~THRU 00~~ AND THE -0091 ARE INCREMENTAL SAMPLES
SAMPLES 0725B-0063-0001-SO THRU 0068 HAVE EXTRA SOIL FOR POSS. HEX. CHROM ANALYSIS - PLEASE KEEP SOIL

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECL	12-7-12 1700	[signature]	TAL-HC	12-7-12 1700
[signature]	TAL-NC	12-7-12 1755	[signature]	TA	12-7-12 1755
			Received in Laboratory by:		

©2008, TestAmerica Laboratories, Inc. All rights reserved.
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc.

TAL 0018-1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECL	Client Project Manager: A. EASTMAN	Site Contact: J. DONOVAN	Lab Contact: MARK LOEB	COC No: 049444
Address: 33 BOSTON POST RD WEST	Telephone:	Telephone:	Telephone:	2 of 5 COCs
City/State/Zip: MARLBORO, MA 01752	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: STANDARD		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name:	Method of Shipment/Carrier: LAB PICK UP	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Job/SDG No:
Project Number:	Shipping/Tracking No:			
PO #				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: Unpres Meth	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other: 01	Filtered Sample (Y/N)	Composite (C) / Grab (G)	VOC	SVOC	TAL METALS	PCB	PESTICIDES	EXPLOSIVES	PLASTICIZERS	BTEX/MTBE	DRO	TPH	Sample Specific Notes / Special Instructions:
0765B-0092-0001-SO	12-6-12	1335				X		X					X	X			X	X	X								
0765B-0093-0001-SO		1325																									
0765B-0094-0001-SO		1335																									
0765B-0095-0001-SO		1335																									
0765B-0096-0001-SO		1408																									
0765B-0097-0001-SO		1408																									
0765B-0098-0001-SO		1433															X	X	X	X	X	X	X				
0765B-0099-0001-SO		1540															X	X	X								
0725B-0078-0001-SO		0930				X		X						X					X					X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
INCREMENTAL SAMPLES EXCEPT 0725B-0078-0001-SO; THIS IS A DISCRETE SAMPLE DO NOT COMP

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Jeff Dow	ECL	12-7-12 1700		TAL-NC	12-7-12 1700
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TALNC	12-7-12 1755		TA	12-7-12 1755
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Page 5437 of 5446

©2008, TestAmerica Laboratories, Inc. All rights reserved.
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact	Client Project Manager:	Site Contact:	Lab Contact:	COC No:
Company Name: ECC	A. EASTMAN	J. DONOVAN	MARK LOEB	049445
Address: 33 BOSTON POST RD #420	Telephone:	Telephone:	Telephone:	3 of 5 COCs
City/State/Zip: MARLBORO MA	Email:	Analysis Turnaround Time (in BUSdays)	Analyses	For lab use only:
Phone:		TAT if different from below ☐ 3 weeks STANDARD ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ Job/SDG No:
Project Name:	Method of Shipment/Carrier: LAB PICK UP			
Project Number:	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other: DI	Filtered Sample (Y/N)	Composite (C) / Grab (G)	VOC	SVOC	TAL METALS	PCB	EXPLOSIVES	PROPELLANTS	PESTICIDES	Sample Specific Notes / Special Instructions:
0765B-0100M-0001-SO	12-6-12	1527				X						X				X	X	X	X	X	X		
0765B-0100M-0002-SO		1527														X	X	X	X	X	X		MS/MSD
0765B-0101M-0001-SO		1527														X	X	X	X	X	X	X	
0765B-0102M-0001-SO		1545																					
0765B-0103M-0001-SO		1545																					
0765B-0104M-0001-SO		1635																					
0765B-0105M-0001-SO		1635																					
0765B-0106M-0001-SO		1625																					
0765B-0107M-0001-SO		1625																					
0765B-0108M-0001-SO		1550														X	X	X	X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
INCRAMENTAL SAMPLES

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECC	12-7-12 1700	[signature]	TAL-NC	12-7-12 1700
Relinquished by: [signature]	Company: TAL NC	Date/Time: 12-7-12 1755	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Page 5438 of 5446

©2008, TestAmerica Laboratories, Inc. All rights reserved
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: FCC	Client Project Manager: A. CASTELLANI	Site Contact: J. DONOVAN	Lab Contact: MARK LOEB	COC No: 049446
Address: 33 BOSTON POST RD	Telephone:	Telephone:	Telephone:	4 of 5 COCs
City/State/Zip: MARLBORO MA	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: STANDARD		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐
Project Name:	Method of Shipment/Carrier: LAB PICK UP	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Job/SDG No:
Project Number:	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: Unpres Water	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other: DI	Filtered Sample (Y/N)	Composite/Grab	VOC	VOC	TAL METALS	PCB	EXPLOSIVES	PROPELLANT	PEST	PCB SOIL		Sample Specific Notes / Special Instructions:
0765B-0109M-0001-SO	12-6-12	1605				X		X					X	X			X	X	X	X	X	X	X			
0765B-0110M-0001-SO		1704															X	X	X	X	X	X	X			
0765B-0111M-0001-SO		1704															X	X	X							
0765B-0112M-0001-SO		1725															X	X	X	X	X	X	X			
0765B-0113M-0001-SO		1725															X	X	X							
0765B-0114M-0001-SO		1735															X	X	X	X	X	X	X	X		
0765B-0115M-0001-SO	↓	1735				↓		↓					↓	↓			X	X	X	X				X		
0765B-0116-0001-TB		0800	X							X							X									TRIP BLK
0765B-0117-0001-TB		0800	X							↓							X									TRIP BLK
0765B-0118-0001-TB	↓	0800	X											↓			X									TRIP BLK

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements & Comments:
INCREMENTAL SAMPLES

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	FCC	12-7-12 1700		TAL-NC	12-7-12 1700
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAL-NC	12-7-12 1755		TA	12-7-12 1755
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

©2008, TestAmerica Laboratories, Inc. All rights reserved.
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc.

TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECL	Client Project Manager: A. EASTERDAY	Site Contact: J DONOVAN ~~MARK LO~~	Lab Contact: MARK LOEB	COC No: 049447
Address: 33 BOSTON POST RD WEST #420	Telephone:	Telephone:	Telephone:	5 of 5 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (in BUS days)		For lab use only
Phone:		TAT if different from below: STANDARD ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name:	Method of Shipment/Carrier: LAB PICK UP			
Project Number:	Shipping/Tracking No:			Job/SDG No:
PO #				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C/Grab G	Analyses: MERCURY	Sample Specific Notes / Special Instructions:
075TR-0002-0001-SO	12-6-12	1400				X							X				X	
075TR-0003-0001-SO	↓	1400				↓							↓				X	
075TR-0004-0001-SO	↓	1410				↓							↓				X	
075TR-0005-0001-SO	↓	1420				↓							↓				X	
075TR-0006-0001-SO	↓	1430				↓							↓				X	
075TR-0007-0001-SO	↓	1440				↓							↓				X	
~~0~~																		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
DISCRETE SAMPLES DO NOT DRY

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECL	12-7-12 1700	[signature]	TAL NC	12-7-12 1700
[signature]	TAL NC	12-7-12 1755	[signature]	TA	12-7-12 1755
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

©2008, TestAmerica Laboratories, Inc. All rights reserved.
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc.

TAL 0018-1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 18544

Client ECC Site Name _____ By: David Green

Cooler Received on 12-7-12 Opened on 12-7-12 (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson (Client Drop Off) TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF –2 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF 0 °C) Observed Sample Temp. 4.8 °C Corrected Sample Temp. 4.8 °C LCV 12/7/12 ☐ Multiple on Back

~~IR GUN# 5G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C~~

IR GUN# 8 (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 0 Yes (No)
   - Were custody seals on the outside of the cooler(s) signed & dated? Yes (No) NA
   - Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No (NA)
11. Were VOAs on the COC? (Yes) No
12. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
13. Was a trip blank present in the cooler(s)? (Yes) No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Minor discrepancies per client are in attached email.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)?

Client ID	pH	Date	Initials

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
Client Cooler	4.8	4.8	4GER	Ice
A863	3.2	3.2		
4712	4.0	4.0		
423	3.2	3.2		
4A29	2.9	2.9		
7243	4.2	4.2		
client	3.7	3.7		

Livengood, Chris

From: Jeff Donovan [JDonovan@ecc.net]
Sent: Saturday, December 08, 2012 7:14 AM
To: Loeb, Mark
Cc: Livengood, Chris
Subject: Re: Samples picked up Friday evening

Hi Mark, I apologize for the confusion, I obviously made a typo when entering the sample IDs on the COC. Here is how the samples were collected:

Sample ID	Location	Date	Time
072SB-0063-0001-SO	SB-01	6-Dec-12	922
072SB-0063-0002-SO	MS/MSD	6-Dec-12	922
072SB-0064-0001-SO	Dup of 0063 SB-01	6-Dec-12	922
072SB-0065-0001-SO	SB-02 Full Suite	6-Dec-12	957
072SB-0066-0001-SO	SB-03	6-Dec-12	1012
072SB-0067-0001-SO	SB-04	6-Dec-12	1020
072SB-0068-0001-SO	SB-01	6-Dec-12	928
072SB-0069-0001-TB	Trip Blank	6-Dec-12	800

072SB-0064-0001-SO gets the same parameters as -0063, this is the dup of -0063

Here is how the samples were collected for samples 076SB-0090M-0001-SO through 076SB-0099M-0001-SO. **THESE ARE INCREMENTAL SAMPLES, I FORGOT TO PUT THE "M" AFTER THE NUMBER but did put a note on the COC**:

076SB-0090M-0001-SO	DU01	6-Dec-12	1440
076SB-0090M-0002-SO	DU01 MS/MSD of 0090M	6-Dec-12	1440
076SB-0091M-0001-SO	DU01	6-Dec-12	1440
076SB-0091M-0002-SO	DU01 MS/MSD of 0091M	6-Dec-12	1440
076SB-0092M-0001-SO	DU01 SB-01	6-Dec-12	1325
076SB-0093M-0001-SO	Duplicate of SB-01	6-Dec-12	1325
076SB-0094M-0001-SO	DU01 SB-02	6-Dec-12	1335
076SB-0095M-0001-SO	Duplicate of SB-02	6-Dec-12	1335
076SB-0096M-0001-SO	DU01 SB-03	6-Dec-12	1408
076SB-0097M-0001-SO	Duplicate of SB-03	6-Dec-12	1408
076SB-0098M-0001-SO	DU01 SB-04 **FULL SUITE**	6-Dec-12	1433
076SB-0099M-0001-SO	DU01 SB-05	6-Dec-12	1450

Samples 076SB-0090M-0001-SO
through
076SB-0099M-0001-SO

Samples 076SB-0090M-0001-SO through 076SB-0099M-0001-SO get analyzed for VOC, SVOC, and TAL Metals, with the exception of -0098 which is a full suite.

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18544-1

Login Number: 18544
List Number: 1
Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh
List Creation: 12/20/12 05:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18544-1

Login Number: 18544
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 12/29/12 11:31 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-18544-1

Login Number: 18544
List Number: 1
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 12/13/12 05:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	