Method 200.8

Sample/Batch Report

User Name: Nancy
Computer Name: ICPMS PE 6100
Sample File: D:\ELAN\Elandata03Sept\Sample\2003\November\111403.sam
Report Date/Time: Friday, November 14, 2003 13:57:44

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
7		ICV							
1		ICB							
9		MB- > R32644		NS 11/18/03					
10		LCS-							
11		065794-001A							
12		065794-002A							
13		065794-002ADUP							
14		065794-003A							
15		065794-004A							
16		065794-005A							
17		065794-006A							
18		065794-007A							
7		CCV 1							
8		CCB							
19		065794-008A							
20		065794-009A							
21		065794-010A							
22		065794-011A							
23		065794-012A							
24		065794-013A							
25		065794-014A							
26		065794-015A							
27		065794-016A							
28		065794-017A							
7		CCV 2							
8		CCB							
29		065794-018A							
30		065794-019A							
31		065794-024A							
32		065794-024ADUP							
33		065794-024AMS							
34		065794-024AMSD							
35		065794-002AMS							
36		065794-002AMSD							
7		CCV 3							
8		CCB							
37		MB- > R32645							
38		LCS-							
39		065794-020A							
40		065794-021A							
41		065794-022A							
42		065794-023A							
43		065794-025A							
44		065794-026A							
45		065794-027A							
46		065794-027ADUP							
7		CCV 4							
8		CCB							
47		065794-028A							

CAL: MST 031114 B/20
C/10
D/5
E/0.5

ICV/CCV: MST 031114 G

MS/MSD: MSD 031114 A

LCS: MST 031114 F

ICP4
NS, 11/14/03

0051

48	065794-029A
49	065794-030A
50	065794-031A
51	065794-032A
52	065794-033A
53	065794-034A
54	065794-035A
55	065794-036A
56	065794-036ADUP
7	CCV 5
8	CCB
57	065794-036AMS
58	065794-036AMSD
59	065794-027AMS
60	065794-027AMSD
7	CCV 6
8	CCB
61	065794-021A 2X
62	065794-028A 2X
63	065794-027AMS 2X
64	065794-027AMSD 2X
65	065794-021A 4X
66	065794-021A 10X
67	065794-028A 4X
68	065794-028A 10X
7	CCV 7
8	CCB

ICP-MS : Turbidity Check and Sample Preparation Log

QC Number: R32644 **Date Read / Digested:** 11-14-03

Method (Circle one):	**Turb. Calibration**	Matrix (Circle one):		Acid Lot #
1) 200.8	100 NTU: 10 NTU	1) Drinking Water	4) Soil	Hydrochloric N/A
2) 3010A	Std Code: SCP-0029	2) Ground Water	5) Solid	Nitric N/A
3) 3050B	Initials: NS	3) Liquid	(6) Other water	
4) 3051				

	Sample ID	Turbidity Result *	Sample Wt./Vol.	Spike / LCS Amt. Added	Spike / LCS Conc. (ppm)	Spike Code	Final Vol (ml)	Initials	Comments
	MS 065794-002A	-0.02	10	0.1 ml	1 ppm	MST031114A	10	NS	
	MSD "	"	"	"	"	"	"	"	
	Method Blank	—	"	—	—	—	"	"	
	LCS	—	"	0.1 ml	1 ppm	LCT031114F	"	"	
	~~Blank~~ MS 065794-024A	0.07	"	"	1 ppm	LST031114A	"	"	
	~~Blank~~ MSD "	"	"	"	"	"	"	"	
1	065794-001A	-0.10	10				10	NS	
2	-002	-0.02							
3	-003	-0.08							
4	-004	0.01							
5	-005	0.02							
6	-006	0.05							
7	-007	-0.10							
8	-008	0.10							
9	-009	-0.08							
10	-010	0.05							
11	-011	0.37							
12	-012	0.06							
13	-013	0.10							
14	-014	0.08							
15	-015	-0.03							
16	-016	0.36							
17	-017	-0.01							
18	-018	0.06							
19	-019	0.13							
20	-024	0.07							
DUP	065794-002A	0.01							
	-024A	0.02							

* Turbidity <1 NTU **DOES NOT** need sample preparation.

Advanced Technology Laboratories, Logbook # 6

NJ 11-18-03

ICP-MS : Turbidity Check and Sample Preparation Log

QC Number: ~~R32645~~ R32645 **Date Read / Digested:** 11-14-03

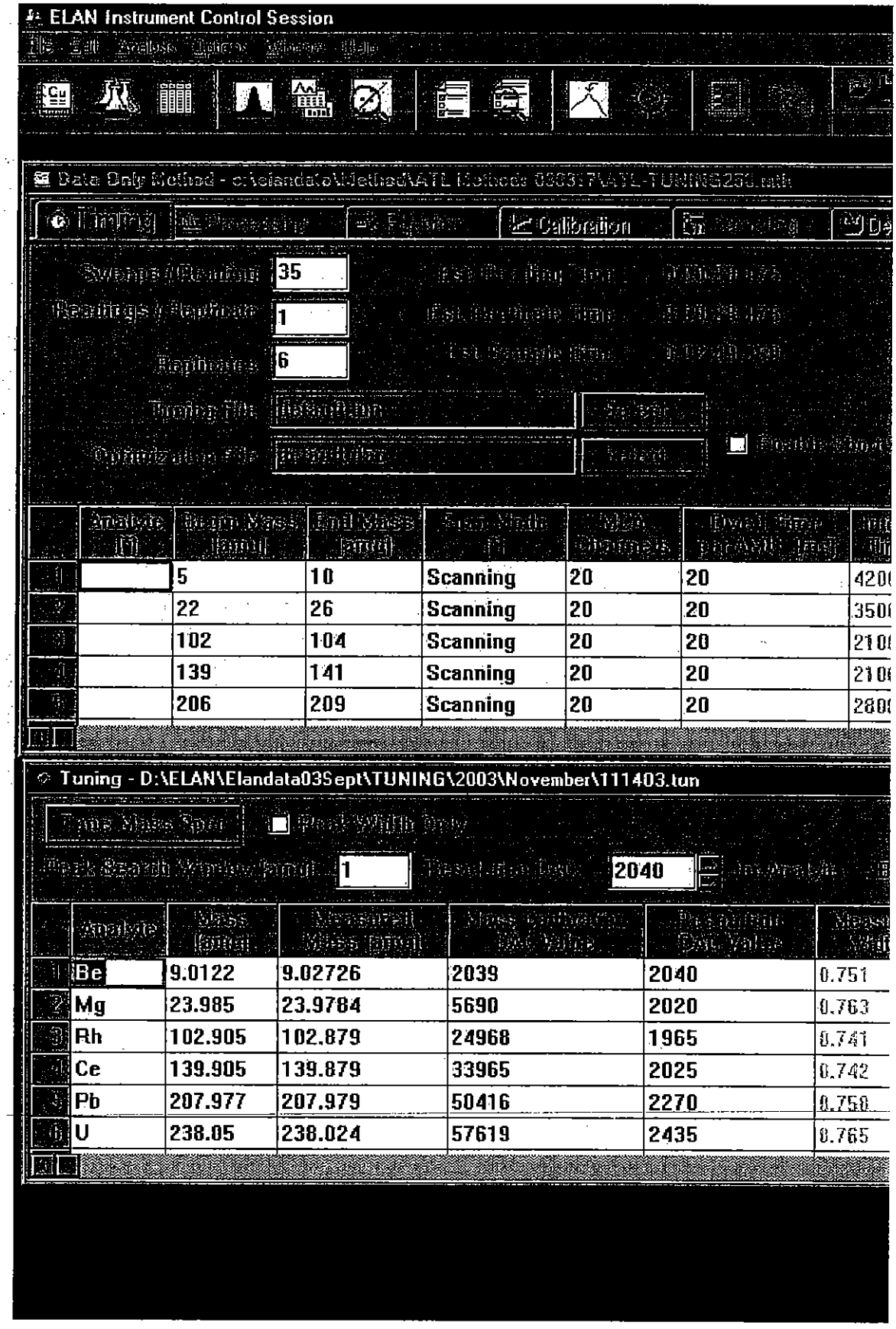
Method (Circle one):	Turb. Calibration	Matrix (Circle one):		Acid Lot #
1) (200.8)	100 NTU: 10 NTU	1) Drinking Water	4) Soil	Hydrochloric N/A
2) 3010A	Std Code: SCP-0029	2) Ground Water	5) Solid	Nitric N/A
3) 3050B	Initials: NJ	3) Liquid	(6) Other water	
4) 3051				

	Sample ID	Turbidity Result *	Sample Wt./Vol.	Spike / LCS Amt. Added	Spike / LCS Conc. (ppm)	Spike Code	Final Vol (ml)	Initials	Comments
	MS 065794-027A	-0.10	5	0.10ml	1 ppm	MST031114A	10	NJ	
	MSD "	"	"	"	"	"	"	"	
	Method Blank	--	10	--	--	--	"	"	
	LCS	--	"	0.10ml	1 ppm	MST031114F	"	"	
	~~Blank~~ MS 065794-036A	0.22	"	"	1 ppm	MST031114A	"	"	
	~~Blank~~ MSD "	"	"	"	"	"	"	"	
1	065794-020A	0.14	10				10	NJ	
2	-021	-0.04	1						
3	-022	-0.05	10						
4	-023	-0.01	"						
5	-024	0.02	"						
6	-026	-0.04	"						
7	-027	-0.10	"						
8	-028	-0.07	2.5						
9	-029	0.31	10						
10	-030	0.06	"						
11	-031	-0.02	"						
12	-032	-0.04	"						
13	-033	-0.03	"						
14	-034	0.32	"						
15	-035	-0.08	"						
16	-036	0.22	"				"	"	
17									
18									
19									
20									
DUP	065794-027A	-0.06	10				10	NJ	
	-036A	0.25							

* Turbidity <1 NTU **DOES NOT** need sample preparation.

Advanced Technology Laboratories, Logbook # 6

0054



ELAN Instrument Control Session

File Edit Analysis Options Window Help

Data Only Method - c:\elandata\Method\ATL Methods 030317\ATL-TUNING250.mth

Timing | Processing | Equation | Calibration | Sampling | De

Sweeps / Reading: 35

Readings / Replicate: 1

Replicates: 6

Timing File: default.tun | Select

Optimization File: default.tun | Select | Enable Short

	Analyte [1]	Begin Mass [amu]	End Mass [amu]	Scan Mode [1]	MCA Channels	Dwell Time per AMU [ms]	Inte Tim
1		5	10	Scanning	20	20	420
2		22	26	Scanning	20	20	350
3		102	104	Scanning	20	20	210
4		139	141	Scanning	20	20	210
5		206	209	Scanning	20	20	280

Tuning - D:\ELAN\Elandata03Sept\TUNING\2003\November\111403.tun

Tune Mass Spec | Peak Width Only

Peak Search Window [amu]: 1 | Resolution DAC: 2040 | In Analyte

	Analyte	Mass [amu]	Measured Mass [amu]	Mass Calibration DAC Value	Resolution DAC Value	Meas Wid
1	Be	9.0122	9.02726	2039	2040	0.751
2	Mg	23.985	23.9784	5690	2020	0.763
3	Rh	102.905	102.879	24968	1965	0.741
4	Ce	139.905	139.879	33965	2025	0.742
5	Pb	207.977	207.979	50416	2270	0.758
6	U	238.05	238.024	57619	2435	0.765

Instrument Tuning Report

File Name: 111403.tun
File Path: D:\ELAN\Elandata03Sept\TUNING\2003\November

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Be	9.012	9.027	2039	2040	0.751	
Mg	23.985	23.978	5690	2020	0.763	
Rh	102.905	102.879	24968	1965	0.741	
Ce	139.905	139.879	33965	2025	0.742	
Pb	207.977	207.979	50416	2270	0.758	
U	238.050	238.024	57619	2435	0.765	

Daily Performance Report

Sample ID: 111403-daily
Sample Date/Time: Friday, November 14, 2003 09:35:04
Sample Description:
Method File: c:\elandata\Method\Daily.mth
Dataset File: d:\elan\elandata03sept\daily performance\2003\november\111403-daily.010
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse
Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	45480.3	45480.281	53.911	0.1
	Rh	102.9	156524.1	156524.103	4047.625	2.6
	In	114.9	192195.2	192195.226	27.233	0.0
	Pb	208.0	89582.0	89581.998	402.736	0.4
⌈>	Ba	137.9	142843.5	142843.543	1686.146	1.2
⌊	Ba++	69.0	3534.5	0.025	0.001	2.1
⌈>	Ce	139.9	174856.1	174856.130	1220.419	0.7
⌊	CeO	155.9	5058.4	0.029	0.000	1.2
	Bkgd	220.0	2.5	2.500	1.414	56.6

Current Optimization File Data

Current Value	Description
0.84	Nebulizer Gas Flow
10.00	Lens Voltage
1100.00	ICP RF Power
-1925.00	Analog Stage Voltage
1925.00	Pulse Stage Voltage
85.00	Discriminator Threshold
-1.50	AC Rod Offset
60.00	Service DAC 1
0.00	Quadrupole Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	9	9.0	6983.7
Co	59	9	10.0	94863.9
In	115	9	11.5	192753.7

ATL Number:	065794

(EPA 200.8) - INITIAL CALIBRATION

Instrument ID: ICP4

Date(s) Analyzed: 11/14/03

Initial Calibration:

		INTENSITY			
COMPOUND	STD1	STD2	STD3	STD4	r2
CHROMIUM	11419	46704	84923	173427	0.999748

Standard Concentratic	0.5 ppb	5 ppb	10 ppb	20 ppb
Standard ID:	MST031114E	MST031114D	MST031114C	MST031114B

Calibration Acceptance Criteria: > 0.995 Correlation

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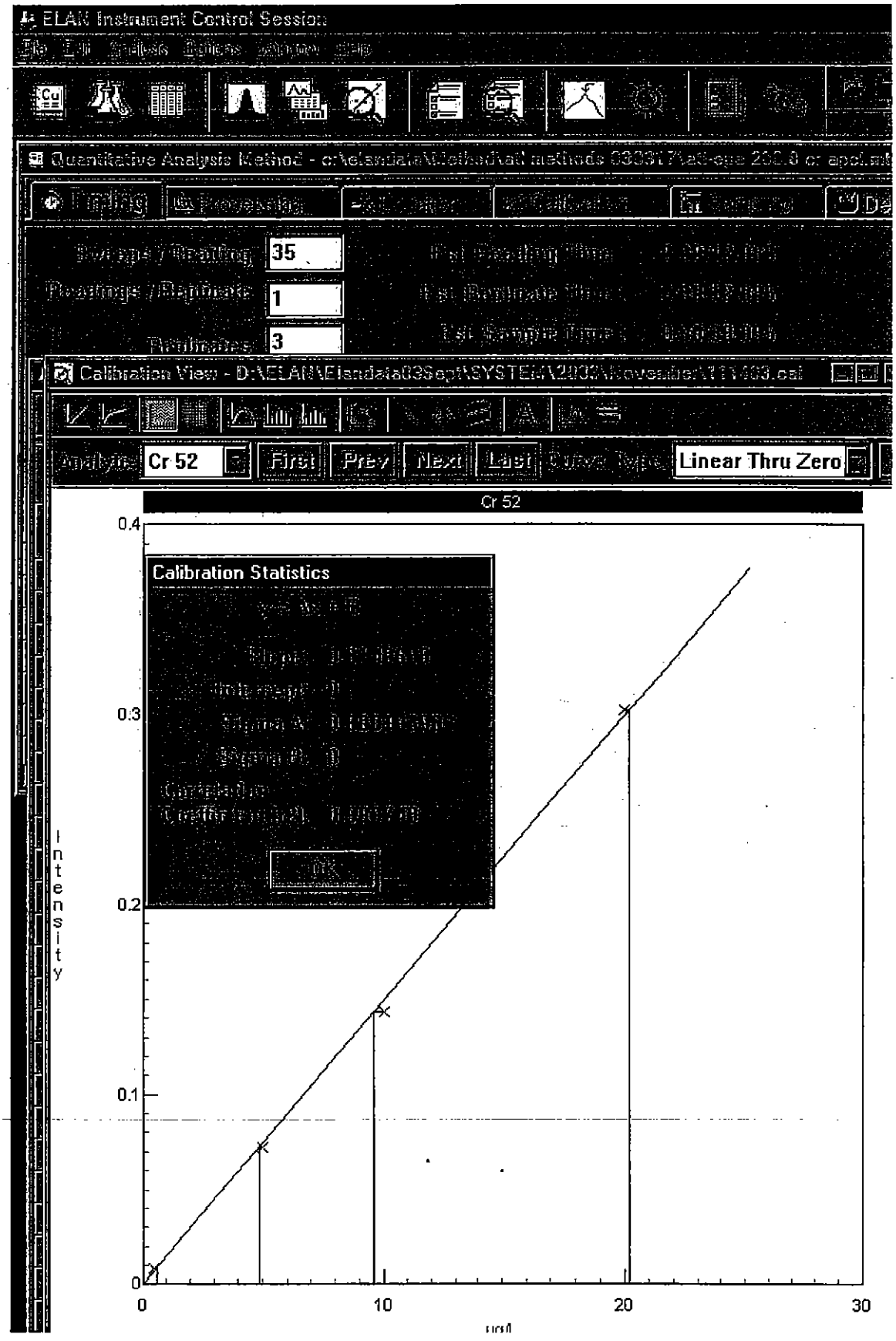
ELAN Instrument Control Session
Quantitative Analysis Method
Sweeps / Reading
35
Readings / Replicate
1
Replicates
3
Calibration View - D:\ELAN\Elandata03Sept\SYSTEM\2003\November\111403.cal
Analyte
Cr 52
First
Prev
Next
Last
Linear Thru Zero
Cr 52
Calibration Statistics
OK
Intensity
0.4
0.3
0.2
0.1
0
0
10
20
30

ATL Number: 065794

(EPA 200.8) BLANK *

Instrument ID: ICP 4
Date Digested: N/A
Digestion Method: N/A

Dilution Factor: 1
Matrix: Water
Date Analyzed: 11/14/2003

QC Batch Number: R32644

Analyte	DLR	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank MB-R32644	C	M
Chromium	1	0.214		0.299		0.266		0.280		0.235		

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ATL Number: 065794

(EPA 200.8) BLANK *

Instrument ID: ICP 4
Date Digested: N/A
Digestion Method: N/A

Dilution Factor: 1
Matrix: Water
Date Analyzed: 11/14/2003

QC Batch Number: R32645

Analyte	DLR	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 4	C	5	C	6	C	Prepa-ration Blank MB-R32645	C	M
Chromium	1	0.214		0.326		0.171		0.245		0.174		

0061

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ATL Number: 065794

(EPA 200.8) BLANK *

Instrument ID: ICP 4
Date Digested: N/A
Digestion Method: N/A

Dilution Factor: 1
Matrix: Water
Date Analyzed: 11/14/2003

QC Batch Number: R32645

Analyte	DLR	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 7	C	8	C	9	C	Prepa-ration Blank MB-R32645	C	M
Chromium	1	0.214		0.256						0.174		

0062

ATL Number: 065794

(EPA 200.8) INITIAL AND CONTINUING CALIBRATION VERIFICATION

(EXTERNAL REFERENCE STANDARD)

Instrument ID: ICP4

Date Analyzed: 11/14/2003

	Source:	Standard Code:
Initial Calibration Verification:	LEEMAN LABS	MST031114G
Continuing Calibration Verification:	LEEMAN LABS	MST031114G

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found CCV1	%R(1)	Found CCV2	%R(1)	
Chromium	10.0	9.741	97	10.0	9.563	96	9.505	95	

ICV Limits: 90 -110%

CCV Limits: 85 -115%

0063

ATL Number: 065794

(EPA 200.8) INITIAL AND CONTINUING CALIBRATION VERIFICATION

(EXTERNAL REFERENCE STANDARD)

Instrument ID: ICP4

Date Analyzed: 11/05/2003

	Source:	Standard Code:
Initial Calibration Verification:	LEEMAN LABS	MST031114G
Continuing Calibration Verification:	LEEMAN LABS	MST031114G

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found CCV3	%R(1)	Found CCV4	%R(1)	
Chromium	10.0	9.741	97	10.0	9.516	96	9.630	97	

ICV Limits: 90 -110%

CCV Limits: 85 -115%

0064

ATL Number: 065794

(EPA 200.8) INITIAL AND CONTINUING CALIBRATION VERIFICATION

(EXTERNAL REFERENCE STANDARD)

Instrument ID: ICP4

Date Analyzed: 11/05/2003

	Source:	Standard Code:
Initial Calibration Verification:	LEEMAN LABS	MST031114G
Continuing Calibration Verification:	LEEMAN LABS	MST031114G

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found CCV5	%R(1)	Found CCV6	%R(1)	
Chromium	10.0	9.741	97	10.0	9.570	96	9.633	97	

ICV Limits: 90 -110%

CCV Limits: 85 -115%

0065

ATL Number: 065794

(EPA 200.8) INITIAL AND CONTINUING CALIBRATION VERIFICATION

(EXTERNAL REFERENCE STANDARD)

Instrument ID: ICP4

Date Analyzed: 11/05/2003

	Source:	Standard Code:
Initial Calibration Verification:	LEEMAN LABS	MST031114G
Continuing Calibration Verification:	LEEMAN LABS	MST031114G

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found CCV7	%R(1)	Found CCV8	%R(1)	
Chromium	10.0	9.741	97	10.0	9.539	96			

ICV Limits: 90 -110%

CCV Limits: 85 -115%

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ATL Number: 065794

Instrument ID: ICP4 Internal Standard ID: MST031104A

Date Analyzed: 11/14/2003 Standard Concentration: 50 ug/L

QC Batch: R32644

		Lithium		Sc		Ge		In		Terbium	
		Intensity	% Rec	Intensity	% Rec	Intensity	% Rec	Intensity	% Rec	Intensity	% Rec
Calibration Blank			---	529168	---		---		---		---
Lab ID	Sample Description										
MB-R32644				547248	103						
LCS-R32644				558954	106						
065794-001A				646433	122						
065794-002A				609964	115						
065794-002ADUP				593209	112						
065794-003A				601582	114						
065794-004A				600813	114						
065794-005A				593587	112						
065794-006A				455602	86						
065794-007A				506561	96						
065794-008A				513445	97						
065794-009A				505950	96						
065794-010A				456877	86						
065794-011A				556120	105						
065794-012A				543768	103						
065794-013A				558162	105						
065794-014A				539854	102						
065794-015A				527368	100						
065794-016A				545663	103						
065794-017A				549678	104						
065794-018A				552417	104						
065794-019A				562261	106						

Acceptance Criteria: 60 - 125%

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ATL Number: 065794

Instrument ID: ICP4 Internal Standard ID: MST031104A

Date Analyzed: 11/14/2003 Standard Concentration: 50 ug/L

QC Batch: R32644

		Lithium		Sc		Ge		In		Terbium	
		Intensity	% Rec	Intensity	% Rec	Intensity	% Rec	Intensity	% Rec	Intensity	% Rec
Calibration Blank			---	529168	---		---		---		---
Lab ID	Sample Description										
065794-024A				528201	100						
065794-024ADUP				536161	101						
065794-024AMS				543192	103						
065794-024AMSD				542867	103						
065794-002AMS				582813	110						
065794-002AMSD				589081	111						

Acceptance Criteria: 60 - 125%

0068

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ATL Number: 065794

Instrument ID: ICP4 Internal Standard ID: MST031104A

Date Analyzed: 11/14/2003 Standard Concentration: 50 ug/L

QC Batch: R32645

		Lithium		Sc		Ge		In		Terbium	
		Intensity	% Rec	Intensity	% Rec	Intensity	% Rec	Intensity	% Rec	Intensity	% Rec
Calibration Blank			---	529168	---		---		---		---
Lab ID	Sample Description										
MB-R32645				464893	88						
LCS-R32645				479313	91						
065794-020A				650754	123						
065794-021A				604577	114						
065794-022A				512488	97						
065794-023A				638965	121						
065794-025A				579267	109						
065794-026A				562015	106						
065794-027A				597740	113						
065794-027ADUP				599762	113						
065794-028A				626951	118						
065794-029A				598993	113						
065794-030A				592753	112						
065794-031A				636053	120						
065794-032A				610606	115						
065794-033A				613863	116						
065794-034A				634144	120						
065794-035A				631350	119						
065794-036A				623792	118						
065794-036ADUP				638045	121						
065794-036AMS				638978	121						
065794-036AMSD				623723	118						

* Outside Acceptance Criteria

Acceptance Criteria: 60 - 125%

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

ATL Number: 065794

Instrument ID: ICP4 Internal Standard ID: MST031104A

Date Analyzed: 11/14/2003 Standard Concentration: 50 ug/L

QC Batch: R32645

		Lithium		Sc		Ge		In		Terbium	
		Intensity	% Rec	Intensity	% Rec	Intensity	% Rec	Intensity	% Rec	Intensity	% Rec
Calibration Blank			---	529168	---		---		---		---
Lab ID	Sample Description										
065794-027AMS				643160	122						
065794-027AMSD				641262	121						

0070

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:11:19
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\Blank.001
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: Blank
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	**Conc. Mean**	Conc. SD		Conc. RSD
	Li	7		118930	0.2			ug/L	%
	Ge	72		109752	2.0			ug/L	%
[>	**Sc-1**	45		529168	1.6			ug/L	%
[	**Cr**	52		6610	5.7			ug/L	%
	In	115		906113	2.3			ug/L	%
	Tb	159		1086539	2.7			ug/L	%
	Sc	45		529168	1.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:13:48
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\Standard 1.002
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: Standard 1
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	118535	0.9			ug/L	%
	Ge	72	109752	111395	0.2			ug/L	%
>	**Sc-1**	45	529168	539294	0.7			ug/L	%
	Cr	52	6610	11419	2.8	**0.500**	0.027	ug/L	5.4 %
	In	115	906113	918700	0.9			ug/L	%
	Tb	159	1086539	1116359	1.1			ug/L	%
	Sc	45	529168	539294	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:16:33
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\Standard 2.003
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: Standard 2
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	119532	0.2			ug/L	%
	Ge	72	109752	114174	1.2			ug/L	%
>	**Sc-1**	45	529168	548597	1.8			ug/L	%
	Cr	52	6610	46704	1.3	**4.990**	0.063	ug/L	1.3 %
	In	115	906113	942867	1.1			ug/L	%
	Tb	159	1086539	1126850	0.9			ug/L	%
	Sc	45	529168	548597	1.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:19:18
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\Standard 3.004
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: Standard 3
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	119481	1.7			ug/L	%
	Ge	72	109752	114045	1.5			ug/L	%
>	**Sc-1**	45	529168	544888	1.5			ug/L	%
	Cr	52	6610	84923	1.8	**9.969**	0.036	ug/L	0.4 %
	In	115	906113	942960	1.9			ug/L	%
	Tb	159	1086539	1141302	2.4			ug/L	%
	Sc	45	529168	544888	1.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:22:05
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\Standard 4.005
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: Standard 4
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	119181	0.9			ug/L	%
	Ge	72	109752	114789	0.9			ug/L	%
>	Sc-1	45	529168	550038	0.9			ug/L	%
	Cr	52	6610	173427	11.2	**20.245**	2.503	ug/L	12.4 %
	In	115	906113	944061	1.7			ug/L	%
	Tb	159	1086539	1133947	1.2			ug/L	%
	Sc	45	529168	550038	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:24:53
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\ICV.006
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: ICV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	117951	0.8			ug/L	%
	Ge	72	109752	113607	0.7			ug/L	%
>	**Sc-1**	45	529168	549389	1.3			ug/L	%
	Cr	52	6610	86938	0.5	**9.741**	0.168	ug/L	1.7 %
	In	115	906113	941524	1.9			ug/L	%
	Tb	159	1086539	1126928	1.3			ug/L	%
	Sc	45	529168	549389	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:27:24
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\ICB.007
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: ICB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	121966	0.8			ug/L	%
	Ge	72	109752	114386	1.3			ug/L	%
>	**Sc-1**	45	529168	551182	1.0			ug/L	%
	Cr	52	6610	8652	2.0	**0.214**	0.013	ug/L	6.1 %
	In	115	906113	942546	1.7			ug/L	%
	Tb	159	1086539	1139304	1.5			ug/L	%
	Sc	45	529168	551182	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:34:03
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\MB-.008
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: MB- R32644 NS 11/14/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	**Conc. Mean**	Conc. SD		Conc. RSD
	Li	7	118930	121229	0.4			ug/L	%
	Ge	72	109752	114668	0.3			ug/L	%
>	**Sc-1**	45	529168	547248	1.2			ug/L	%
	Cr	52	6610	8760	1.9	**0.235**	0.015	ug/L	6.4 %
	In	115	906113	940536	0.9			ug/L	%
	Tb	159	1086539	1132276	1.8			ug/L	%
	Sc	45	529168	547248	1.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:36:31
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\LCS-.009
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: LCS- L37644 NS 11/14/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	**Conc. Mean**	Conc. SD		Conc. RSD
	Li	7	118930	122691	0.2			ug/L	%
	Ge	72	109752	115940	1.3			ug/L	%
>	**Sc-1**	45	529168	558954	1.6			ug/L	%
	Cr	52	6610	90309	1.9	**9.961**	0.059	ug/L	0.6 %
	In	115	906113	964843	1.1			ug/L	%
	Tb	159	1086539	1153581	0.9			ug/L	%
	Sc	45	529168	558954	1.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:40:24
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-001A.010
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-001A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	120853	1.3			ug/L	%
	Ge	72	109752	115245	0.7			ug/L	%
>	**Sc-1**	45	529168	646433	0.3			ug/L	%
	Cr	52	6610	46973	1.9	**4.021**	0.102	ug/L	2.5 %
	In	115	906113	916379	0.7			ug/L	%
	Tb	159	1086539	1121898	0.5			ug/L	%
	Sc	45	529168	646433	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:42:53
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-002A.011
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-002A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	123426	1.7			ug/L	%
	Ge	72	109752	108498	0.6			ug/L	%
>	**Sc-1**	45	529168	609964	0.9			ug/L	%
	Cr	52	6610	46743	1.5	**4.286**	0.102	ug/L	2.4 %
	In	115	906113	865015	1.1			ug/L	%
	Tb	159	1086539	1068937	1.0			ug/L	%
	Sc	45	529168	609964	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:45:23
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-002ADUP.012
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-002ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	122487	1.6			ug/L	%
	Ge	72	109752	103339	0.7			ug/L	%
>	**Sc-1**	45	529168	593209	1.3			ug/L	%
	Cr	52	6610	42295	1.1	**3.930**	0.094	ug/L	2.4 %
	In	115	906113	840136	1.1			ug/L	%
	Tb	159	1086539	1032172	0.9			ug/L	%
	Sc	45	529168	593209	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:47:53
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-003A.013
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-003A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	122682	2.0			ug/L	%
	Ge	72	109752	102177	1.0			ug/L	%
>	Sc-1	45	529168	601582	1.8			ug/L	%
	Cr	52	6610	44125	1.1	**4.068**	0.115	ug/L	2.8 %
	In	115	906113	830753	0.6			ug/L	%
	Tb	159	1086539	1028854	1.3			ug/L	%
	Sc	45	529168	601582	1.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:50:23
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-004A.014
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-004A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	122502	1.0			ug/L	%
	Ge	72	109752	100490	0.7			ug/L	%
>	**Sc-1**	45	529168	600813	0.6			ug/L	%
	Cr	52	6610	48370	1.0	**4.545**	0.072	ug/L	1.6 %
	In	115	906113	823817	1.2			ug/L	%
	Tb	159	1086539	1018026	0.7			ug/L	%
	Sc	45	529168	600813	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:52:54
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-005A.015
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-005A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	115226	1.7			ug/L	%
	Ge	72	109752	97497	1.0			ug/L	%
>	**Sc-1**	45	529168	593587	0.6			ug/L	%
	Cr	52	6610	34101	0.5	**3.004**	0.042	ug/L	1.4 %
	In	115	906113	793510	1.0			ug/L	%
	Tb	159	1086539	978498	1.0			ug/L	%
	Sc	45	529168	593587	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:55:26
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-006A.016
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-006A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	117438	0.6			ug/L	%
	Ge	72	109752	98638	1.0			ug/L	%
>	**Sc-1**	45	529168	455602	0.2			ug/L	%
	Cr	52	6610	4091	1.4	**-0.235**	0.010	ug/L	4.1 %
	In	115	906113	798703	0.9			ug/L	%
	Tb	159	1086539	982614	0.5			ug/L	%
	Sc	45	529168	455602	0.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 10:57:57
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-007A.017
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-007A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	114693	0.9			ug/L	%
	Ge	72	109752	102181	2.2			ug/L	%
>	Sc-1	45	529168	506561	0.9			ug/L	%
	Cr	52	6610	11739	1.3	**0.714**	0.016	ug/L	2.3 %
	In	115	906113	815195	2.3			ug/L	%
	Tb	159	1086539	1023664	1.3			ug/L	%
	Sc	45	529168	506561	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:00:31
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCV.018
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	114430	0.7			ug/L	%
	Ge	72	109752	89551	1.2			ug/L	%
>	**Sc-1**	45	529168	417624	0.9			ug/L	%
	Cr	52	6610	64981	1.0	**9.563**	0.180	ug/L	1.9 %
	In	115	906113	727743	1.1			ug/L	%
	Tb	159	1086539	908203	1.2			ug/L	%
	Sc	45	529168	417624	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:03:05
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCB.019
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113820	0.3			ug/L	%
	Ge	72	109752	89034	1.4			ug/L	%
>	**Sc-1**	45	529168	420095	1.0			ug/L	%
	Cr	52	6610	7130	3.9	**0.299**	0.033	ug/L	11.1 %
	In	115	906113	728801	0.8			ug/L	%
	Tb	159	1086539	905419	0.5			ug/L	%
	Sc	45	529168	420095	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:05:39
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-008A.020
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-008A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	116420	0.3			ug/L	%
	Ge	72	109752	100529	1.5			ug/L	%
>	**Sc-1**	45	529168	513445	0.9			ug/L	%
	Cr	52	6610	21122	1.1	**1.914**	0.049	ug/L	2.6 %
	In	115	906113	807744	1.5			ug/L	%
	Tb	159	1086539	993340	1.2			ug/L	%
	Sc	45	529168	513445	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:08:12
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-009A.021
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-009A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	115681	0.6			ug/L	%
	Ge	72	109752	100448	1.3			ug/L	%
[>	**Sc-1**	45	529168	505950	0.9			ug/L	%
[	**Cr**	52	6610	21239	0.6	**1.971**	0.025	ug/L	1.3 %
	In	115	906113	806271	1.5			ug/L	%
	Tb	159	1086539	994974	1.4			ug/L	%
	Sc	45	529168	505950	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:10:45
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-010A.022
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-010A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113756	1.4			ug/L	%
	Ge	72	109752	98687	0.8			ug/L	%
[>	Sc-1	45	529168	456877	1.0			ug/L	%
[	Cr	52	6610	4491	0.8	**-0.178**	0.003	ug/L	2.0 %
	In	115	906113	809582	1.1			ug/L	%
	Tb	159	1086539	994482	1.2			ug/L	%
	Sc	45	529168	456877	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:13:19
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-011A.023
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-011A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	119539	1.9			ug/L	%
	Ge	72	109752	105074	1.4			ug/L	%
>	**Sc-1**	45	529168	556120	1.4			ug/L	%
	Cr	52	6610	20983	0.7	**1.687**	0.035	ug/L	2.1 %
	In	115	906113	840754	1.8			ug/L	%
	Tb	159	1086539	1024355	1.5			ug/L	%
	Sc	45	529168	556120	1.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:15:53
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-012A.024
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-012A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	117176	0.7			ug/L	%
	Ge	72	109752	104278	0.7			ug/L	%
>	**Sc-1**	45	529168	543768	1.0			ug/L	%
	Cr	52	6610	19134	0.6	**1.517**	0.034	ug/L	2.3 %
	In	115	906113	829044	0.6			ug/L	%
	Tb	159	1086539	1024354	0.6			ug/L	%
	Sc	45	529168	543768	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:18:24
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-013A.025
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-013A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	111931	0.9			ug/L	%
	Ge	72	109752	104247	0.2			ug/L	%
>	**Sc-1**	45	529168	558162	1.4			ug/L	%
	Cr	52	6610	38444	0.3	**3.768**	0.078	ug/L	2.1 %
	In	115	906113	840219	0.4			ug/L	%
	Tb	159	1086539	1014305	0.5			ug/L	%
	Sc	45	529168	558162	1.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:20:51
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-014A.026
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-014A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	115562	1.9			ug/L	%
	Ge	72	109752	101814	0.4			ug/L	%
>	**Sc-1**	45	529168	539854	0.7			ug/L	%
>	**Cr**	52	6610	29057	0.6	**2.762**	0.043	ug/L	1.6 %
	In	115	906113	833044	1.0			ug/L	%
	Tb	159	1086539	1015031	0.8			ug/L	%
	Sc	45	529168	539854	0.7			ug/L	%

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Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:23:19
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-015A.027
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-015A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113066	0.5			ug/L	%
	Ge	72	109752	101352	0.5			ug/L	%
[>	**Sc-1**	45	529168	527368	1.0			ug/L	%
[	**Cr**	52	6610	23527	1.1	**2.147**	0.062	ug/L	2.9 %
	In	115	906113	818936	0.7			ug/L	%
	Tb	159	1086539	1004605	1.2			ug/L	%
	Sc	45	529168	527368	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:25:47
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-016A.028
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-016A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	114450	0.6			ug/L	%
	Ge	72	109752	102332	1.5			ug/L	%
>	**Sc-1**	45	529168	545663	1.6			ug/L	%
	Cr	52	6610	36784	1.7	**3.670**	0.046	ug/L	1.2 %
	In	115	906113	830310	1.6			ug/L	%
	Tb	159	1086539	1008192	1.2			ug/L	%
	Sc	45	529168	545663	1.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:28:16
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-017A.029
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-017A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	114945	0.4			ug/L	%
	Ge	72	109752	103671	0.6			ug/L	%
>	**Sc-1**	45	529168	549678	0.6			ug/L	%
	Cr	52	6610	21970	1.2	**1.836**	0.048	ug/L	2.6 %
	In	115	906113	836573	1.0			ug/L	%
	Tb	159	1086539	1016570	0.6			ug/L	%
	Sc	45	529168	549678	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:30:48
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCV.030
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	110083	2.3			ug/L	%
	Ge	72	109752	89485	1.4			ug/L	%
>	**Sc-1**	45	529168	419548	1.5			ug/L	%
	Cr	52	6610	64917	1.3	**9.505**	0.034	ug/L	0.4 %
	In	115	906113	741053	1.3			ug/L	%
	Tb	159	1086539	919911	1.8			ug/L	%
	Sc	45	529168	419548	1.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:33:22
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCB.031
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	111207	1.3			ug/L	%
	Ge	72	109752	91088	1.2			ug/L	%
>	**Sc-1**	45	529168	427844	1.4			ug/L	%
	Cr	52	6610	7050	2.5	**0.266**	0.015	ug/L	5.6 %
	In	115	906113	750142	1.0			ug/L	%
	Tb	159	1086539	935205	0.8			ug/L	%
	Sc	45	529168	427844	1.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:35:55
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-018A.032
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-018A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	110037	1.6			ug/L	%
	Ge	72	109752	100608	0.8			ug/L	%
>	**Sc-1**	45	529168	552417	0.9			ug/L	%
	Cr	52	6610	37639	0.6	**3.718**	0.063	ug/L	1.7 %
	In	115	906113	811019	0.9			ug/L	%
	Tb	159	1086539	996285	1.1			ug/L	%
	Sc	45	529168	552417	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:38:24
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-019A.033
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-019A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113372	0.6			ug/L	%
	Ge	72	109752	98958	0.0			ug/L	%
[>	**Sc-1**	45	529168	562261	0.9			ug/L	%
[	**Cr**	52	6610	30090	0.7	**2.742**	0.034	ug/L	1.3 %
	In	115	906113	804995	0.5			ug/L	%
	Tb	159	1086539	999447	0.7			ug/L	%
	Sc	45	529168	562261	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:40:55
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-024A.034
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-024A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	116492	1.6			ug/L	%
	Ge	72	109752	103292	2.0			ug/L	%
>	**Sc-1**	45	529168	528201	1.3			ug/L	%
	Cr	52	6610	29065	1.0	**2.842**	0.026	ug/L	0.9 %
	In	115	906113	831600	1.5			ug/L	%
	Tb	159	1086539	1024466	1.7			ug/L	%
	Sc	45	529168	528201	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:43:25
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-024ADUP.035
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-024ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	115802	1.2			ug/L	%
	Ge	72	109752	104326	0.7			ug/L	%
>	**Sc-1**	45	529168	536161	0.6			ug/L	%
	Cr	52	6610	28997	0.3	**2.779**	0.030	ug/L	1.1 %
	In	115	906113	850240	1.0			ug/L	%
	Tb	159	1086539	1043032	0.9			ug/L	%
	Sc	45	529168	536161	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:45:57
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-024AMS.036
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-024AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	118037	1.5			ug/L	%
	Ge	72	109752	105297	1.6			ug/L	%
>	**Sc-1**	45	529168	543192	1.3			ug/L	%
	Cr	52	6610	92899	1.7	**10.593**	0.146	ug/L	1.4 %
	In	115	906113	859214	2.2			ug/L	%
	Tb	159	1086539	1055748	1.6			ug/L	%
	Sc	45	529168	543192	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:48:28
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-024AMSD.037
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-024AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	114878	0.1			ug/L	%
	Ge	72	109752	105593	0.8			ug/L	%
[>	**Sc-1**	45	529168	542867	0.5			ug/L	%
[	**Cr**	52	6610	93751	0.5	**10.705**	0.017	ug/L	0.2 %
	In	115	906113	864473	0.6			ug/L	%
	Tb	159	1086539	1046995	0.5			ug/L	%
	Sc	45	529168	542867	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:51:00
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-002AMS.038
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-002AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	115356	0.9			ug/L	%
	Ge	72	109752	104709	1.3			ug/L	%
>	**Sc-1**	45	529168	582813	0.1			ug/L	%
	Cr	52	6610	105290	0.3	**11.237**	0.026	ug/L	0.2 %
	In	115	906113	859710	1.2			ug/L	%
	Tb	159	1086539	1059372	0.2			ug/L	%
	Sc	45	529168	582813	0.1			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:53:33
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-002AMSD.039
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-002AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	116404	0.9			ug/L	%
	Ge	72	109752	106510	0.2			ug/L	%
[>	**Sc-1**	45	529168	589081	0.7			ug/L	%
[	**Cr**	52	6610	106450	0.5	**11.240**	0.084	ug/L	0.7 %
	In	115	906113	876024	0.7			ug/L	%
	Tb	159	1086539	1078446	0.6			ug/L	%
	Sc	45	529168	589081	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:56:07
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCV.040
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	112172	1.4			ug/L	%
	Ge	72	109752	97110	0.5			ug/L	%
⌈>	**Sc-1**	45	529168	452400	1.2			ug/L	%
⌊	**Cr**	52	6610	70076	1.2	**9.516**	0.124	ug/L	1.3 %
	In	115	906113	811007	1.6			ug/L	%
	Tb	159	1086539	1007339	1.6			ug/L	%
	Sc	45	529168	452400	1.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 11:58:41
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCB.041
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113622	1.0			ug/L	%
	Ge	72	109752	99978	1.6			ug/L	%
>	**Sc-1**	45	529168	464649	1.0			ug/L	%
	Cr	52	6610	7755	4.2	**0.280**	0.036	ug/L	12.8 %
	In	115	906113	836830	1.9			ug/L	%
	Tb	159	1086539	1034844	1.9			ug/L	%
	Sc	45	529168	464649	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:15:50
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\MB-.042
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: MB- R32654 NS 11/18/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	110164	0.9			ug/L	%
	Ge	72	109752	101143	1.7			ug/L	%
>	**Sc-1**	45	529168	464893	0.4			ug/L	%
	Cr	52	6610	7021	4.0	**0.174**	0.038	ug/L	22.0 %
	In	115	906113	850054	1.7			ug/L	%
	Tb	159	1086539	1060687	1.0			ug/L	%
	Sc	45	529168	464893	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:18:24
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\LCS-.043
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: LCS- R32647 NS 11/18/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113278	2.4			ug/L	%
	Ge	72	109752	103630	0.7			ug/L	%
>	**Sc-1**	45	529168	479313	1.0			ug/L	%
	Cr	52	6610	76970	1.1	**9.896**	0.079	ug/L	0.8 %
	In	115	906113	878389	0.5			ug/L	%
	Tb	159	1086539	1085052	1.4			ug/L	%
	Sc	45	529168	479313	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:20:58
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-020A.044
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-020A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	114695	1.2			ug/L	%
	Ge	72	109752	109954	0.4			ug/L	%
>	**Sc-1**	45	529168	650754	0.4			ug/L	%
	Cr	52	6610	30103	1.5	**2.256**	0.041	ug/L	1.8 %
	In	115	906113	916665	0.1			ug/L	%
	Tb	159	1086539	1142725	0.6			ug/L	%
	Sc	45	529168	650754	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:23:28
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-021A.045
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-021A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	118893	0.4			ug/L	%
	Ge	72	109752	113181	0.8			ug/L	%
>	**Sc-1**	45	529168	691911	1.0			ug/L	%
	Cr	52	6610	37730	1.2	**2.809**	0.047	ug/L	1.7 %
	In	115	906113	947865	0.9			ug/L	%
	Tb	159	1086539	1172905	0.7			ug/L	%
	Sc	45	529168	691911	1.0			ug/L	%

not reported
NS 1/18/03

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:25:55
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-022A.046
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-022A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	120284	0.6			ug/L	%
	Ge	72	109752	112844	0.7			ug/L	%
>	**Sc-1**	45	529168	512488	0.7			ug/L	%
	Cr	52	6610	5699	1.4	**-0.092**	0.005	ug/L	5.4 %
	In	115	906113	961468	1.1			ug/L	%
	Tb	159	1086539	1170008	0.4			ug/L	%
	Sc	45	529168	512488	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:28:23
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-023A.047
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-023A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	114775	1.4			ug/L	%
	Ge	72	109752	113445	0.8			ug/L	%
>	**Sc-1**	45	529168	638965	0.5			ug/L	%
	Cr	52	6610	80243	0.8	**7.557**	0.034	ug/L	0.4 %
	In	115	906113	949833	0.7			ug/L	%
	Tb	159	1086539	1178095	0.4			ug/L	%
	Sc	45	529168	638965	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:30:51
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-025A.048
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-025A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	110431	1.3			ug/L	%
	Ge	72	109752	110435	0.6			ug/L	%
>	**Sc-1**	45	529168	579267	0.9			ug/L	%
	Cr	52	6610	20393	0.8	**1.518**	0.005	ug/L	0.4 %
	In	115	906113	923606	0.5			ug/L	%
	Tb	159	1086539	1147181	0.9			ug/L	%
	Sc	45	529168	579267	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:33:19
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-026A.049
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-026A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	103795	0.9			ug/L	%
	Ge	72	109752	108090	1.2			ug/L	%
>	**Sc-1**	45	529168	562015	0.5			ug/L	%
	Cr	52	6610	21891	1.1	**1.768**	0.032	ug/L	1.8 %
	In	115	906113	895611	1.3			ug/L	%
	Tb	159	1086539	1105735	0.8			ug/L	%
	Sc	45	529168	562015	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:35:48
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-027A.050
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-027A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	100586	1.9			ug/L	%
	Ge	72	109752	105038	0.7			ug/L	%
>	**Sc-1**	45	529168	597740	0.8			ug/L	%
	Cr	52	6610	165927	0.7	**17.714**	0.133	ug/L	0.8 %
	In	115	906113	874738	0.4			ug/L	%
	Tb	159	1086539	1083048	0.1			ug/L	%
	Sc	45	529168	597740	0.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:38:18
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-027ADUP.051
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-027ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	100939	0.5			ug/L	%
	Ge	72	109752	106454	1.3			ug/L	%
>	**Sc-1**	45	529168	599762	0.9			ug/L	%
	Cr	52	6610	167547	1.9	**17.832**	0.287	ug/L	1.6 %
	In	115	906113	888051	0.6			ug/L	%
	Tb	159	1086539	1098864	1.1			ug/L	%
	Sc	45	529168	599762	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:40:50
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCV.052
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	108577	0.6			ug/L	%
	Ge	72	109752	103391	0.4			ug/L	%
>	**Sc-1**	45	529168	471709	0.4			ug/L	%
	Cr	52	6610	73877	0.3	**9.630**	0.015	ug/L	0.2 %
	In	115	906113	883759	1.0			ug/L	%
	Tb	159	1086539	1095182	0.9			ug/L	%
	Sc	45	529168	471709	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:43:24
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCB.053
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	108675	0.7			ug/L	%
	Ge	72	109752	105193	1.1			ug/L	%
>	**Sc-1**	45	529168	476690	0.5			ug/L	%
	Cr	52	6610	8280	3.2	**0.326**	0.035	ug/L	10.8 %
	In	115	906113	895056	1.3			ug/L	%
	Tb	159	1086539	1108387	1.2			ug/L	%
	Sc	45	529168	476690	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:45:57
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-028A.054
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-028A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113767	2.1			ug/L	%
	Ge	72	109752	113569	2.4			ug/L	%
[>	**Sc-1**	45	529168	668295	1.3			ug/L	%
[	**Cr**	52	6610	97675	1.2	**8.932**	0.104	ug/L	1.2 %
	In	115	906113	957615	2.5			ug/L	%
	Tb	159	1086539	1180708	1.4			ug/L	%
	Sc	45	529168	668295	1.3			ug/L	%

not reported
NS 4/18/07

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:48:27
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-029A.055
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-029A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	120794	1.2			ug/L	%
	Ge	72	109752	117536	1.0			ug/L	%
>	**Sc-1**	45	529168	598993	1.3			ug/L	%
	Cr	52	6610	37748	1.2	**3.377**	0.096	ug/L	2.9 %
	In	115	906113	998169	1.3			ug/L	%
	Tb	159	1086539	1233239	0.9			ug/L	%
	Sc	45	529168	598993	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:50:58
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-030A.056
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-030A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	117462	0.5			ug/L	%
	Ge	72	109752	116116	1.3			ug/L	%
>	**Sc-1**	45	529168	592753	0.6			ug/L	%
	Cr	52	6610	37398	0.5	**3.381**	0.038	ug/L	1.1 %
	In	115	906113	979830	1.2			ug/L	%
	Tb	159	1086539	1210860	0.9			ug/L	%
	Sc	45	529168	592753	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:53:30
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-031A.057
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-031A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113244	0.7			ug/L	%
	Ge	72	109752	115127	0.5			ug/L	%
>	**Sc-1**	45	529168	636053	0.3			ug/L	%
	Cr	52	6610	39607	1.3	**3.326**	0.053	ug/L	1.6 %
	In	115	906113	972597	0.5			ug/L	%
	Tb	159	1086539	1196068	1.0			ug/L	%
	Sc	45	529168	636053	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:56:02
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-032A.058
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-032A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	110352	1.1			ug/L	%
	Ge	72	109752	117457	0.4			ug/L	%
>	**Sc-1**	45	529168	610606	0.7			ug/L	%
	Cr	52	6610	52862	0.3	**4.950**	0.046	ug/L	0.9 %
	In	115	906113	994832	0.5			ug/L	%
	Tb	159	1086539	1223281	0.3			ug/L	%
	Sc	45	529168	610606	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 12:58:34
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-033A.059
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-033A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	115529	1.9			ug/L	%
	Ge	72	109752	120282	0.9			ug/L	%
>	**Sc-1**	45	529168	613863	1.6			ug/L	%
	Cr	52	6610	29693	1.0	**2.398**	0.081	ug/L	3.4 %
	In	115	906113	1015510	1.7			ug/L	%
	Tb	159	1086539	1255867	0.9			ug/L	%
	Sc	45	529168	613863	1.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:01:07
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-034A.060
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-034A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	124534	1.4			ug/L	%
	Ge	72	109752	120618	0.7			ug/L	%
>	**Sc-1**	45	529168	634144	1.0			ug/L	%
	Cr	52	6610	59933	0.8	**5.481**	0.044	ug/L	0.8 %
	In	115	906113	1031466	1.1			ug/L	%
	Tb	159	1086539	1271049	1.0			ug/L	%
	Sc	45	529168	634144	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:03:40
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-035A.061
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-035A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	119127	1.7			ug/L	%
	Ge	72	109752	124586	1.0			ug/L	%
>	**Sc-1**	45	529168	631350	0.4			ug/L	%
	Cr	52	6610	23403	1.2	**1.642**	0.038	ug/L	2.3 %
	In	115	906113	1071235	0.6			ug/L	%
	Tb	159	1086539	1307196	0.6			ug/L	%
	Sc	45	529168	631350	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:06:10
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-036A.062
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-036A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	112790	1.4			ug/L	%
	Ge	72	109752	125097	0.8			ug/L	%
>	**Sc-1**	45	529168	623792	1.1			ug/L	%
	Cr	52	6610	24405	1.3	**1.780**	0.018	ug/L	1.0 %
	In	115	906113	1075872	0.6			ug/L	%
	Tb	159	1086539	1304171	0.1			ug/L	%
	Sc	45	529168	623792	1.1			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:08:36
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-036ADUP.063
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-036ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	116121	1.4			ug/L	%
	Ge	72	109752	127415	0.2			ug/L	%
>	**Sc-1**	45	529168	638045	0.4			ug/L	%
	Cr	52	6610	24803	0.6	**1.763**	0.009	ug/L	0.5 %
	In	115	906113	1090413	0.5			ug/L	%
	Tb	159	1086539	1334888	1.5			ug/L	%
	Sc	45	529168	638045	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:11:07
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCV.064
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	118040	1.6			ug/L	%
	Ge	72	109752	120034	0.9			ug/L	%
>	**Sc-1**	45	529168	552946	1.5			ug/L	%
	Cr	52	6610	86097	1.2	**9.570**	0.093	ug/L	1.0 %
	In	115	906113	1057449	0.4			ug/L	%
	Tb	159	1086539	1292153	1.5			ug/L	%
	Sc	45	529168	552946	1.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:13:41
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCB.065
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	121960	2.6			ug/L	%
	Ge	72	109752	124295	0.7			ug/L	%
>	**Sc-1**	45	529168	570966	0.3			ug/L	%
	Cr	52	6610	8591	2.5	**0.171**	0.022	ug/L	13.0 %
	In	115	906113	1093945	1.1			ug/L	%
	Tb	159	1086539	1339798	1.0			ug/L	%
	Sc	45	529168	570966	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:16:12
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-036AMS.066
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-036AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	115160	4.4			ug/L	%
	Ge	72	109752	128283	1.9			ug/L	%
>	**Sc-1**	45	529168	638978	3.0			ug/L	%
	Cr	52	6610	99734	2.9	**9.595**	0.052	ug/L	0.5 %
	In	115	906113	1095991	2.5			ug/L	%
	Tb	159	1086539	1346695	2.1			ug/L	%
	Sc	45	529168	638978	3.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:18:40
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-036AMSD.067
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-036AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	110508	0.5			ug/L	%
	Ge	72	109752	126266	0.2			ug/L	%
>	**Sc-1**	45	529168	623723	0.9			ug/L	%
	Cr	52	6610	96771	0.5	**9.533**	0.048	ug/L	0.5 %
	In	115	906113	1069734	0.6			ug/L	%
	Tb	159	1086539	1306322	0.5			ug/L	%
	Sc	45	529168	623723	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:21:07
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-027AMS.068
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-027AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	109394	0.9			ug/L	%
	Ge	72	109752	121211	0.6			ug/L	%
>	**Sc-1**	45	529168	693345	1.1			ug/L	%
	Cr	52	6610	255892	0.8	**23.829**	0.399	ug/L	1.7 %
	In	115	906113	1031419	0.6			ug/L	%
	Tb	159	1086539	1259075	1.0			ug/L	%
	Sc	45	529168	693345	1.1			ug/L	%

not reported
WS 1/18/03

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:23:36
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-027AMSD.069
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-027AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	112441	1.3			ug/L	%
	Ge	72	109752	121674	0.8			ug/L	%
>	Sc-1	45	529168	694651	0.1			ug/L	%
	Cr	52	6610	259936	0.2	**24.169**	0.069	ug/L	0.3 %
	In	115	906113	1049273	0.7			ug/L	%
	Tb	159	1086539	1277436	0.6			ug/L	%
	Sc	45	529168	694651	0.1			ug/L	%

not reported
WS 1/14/03

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:26:07
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCV.070
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	114728	1.1			ug/L	%
	Ge	72	109752	115591	0.9			ug/L	%
>	**Sc-1**	45	529168	529573	0.6			ug/L	%
	Cr	52	6610	82957	0.9	**9.633**	0.055	ug/L	0.6 %
	In	115	906113	1015360	1.5			ug/L	%
	Tb	159	1086539	1253964	0.6			ug/L	%
	Sc	45	529168	529573	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:28:41
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCB.071
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	113909	1.0			ug/L	%
	Ge	72	109752	116610	1.1			ug/L	%
>	**Sc-1**	45	529168	537066	1.4			ug/L	%
	Cr	52	6610	8682	3.9	**0.245**	0.031	ug/L	12.7 %
	In	115	906113	1018118	1.0			ug/L	%
	Tb	159	1086539	1259640	0.9			ug/L	%
	Sc	45	529168	537066	1.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:37:41
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-021A 2X.072
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-021A 2X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	115924	1.0			ug/L	%
	Ge	72	109752	126328	0.5			ug/L	%
>	Sc-1	45	529168	667919	0.7			ug/L	%
	Cr	52	6610	24264	0.9	**1.593**	0.007	ug/L	0.4 %
	In	115	906113	1089833	0.4			ug/L	%
	Tb	159	1086539	1338820	0.9			ug/L	%
	Sc	45	529168	667919	0.7			ug/L	%

not updated
WS 11/18/03

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:40:11
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-028A 2X.073
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-028A 2X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	119191	0.6			ug/L	%
	Ge	72	109752	127676	0.7			ug/L	%
>	**Sc-1**	45	529168	663361	0.2			ug/L	%
>	**Cr**	52	6610	59299	0.2	**5.139**	0.017	ug/L	0.3 %
	In	115	906113	1100957	0.8			ug/L	%
	Tb	159	1086539	1358503	0.8			ug/L	%
	Sc	45	529168	663361	0.2			ug/L	%

not reported
DS 11/14/03

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:42:40
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-027AMS 2X.074
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-027AMS 2X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	112347	0.7			ug/L	%
	Ge	72	109752	126267	0.9			ug/L	%
>	**Sc-1**	45	529168	643160	0.9			ug/L	%
	Cr	52	6610	136650	0.7	**13.363**	0.075	ug/L	0.6 %
	In	115	906113	1083451	1.1			ug/L	%
	Tb	159	1086539	1316308	1.2			ug/L	%
	Sc	45	529168	643160	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 13:45:11
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-027AMSD 2X.075
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-027AMSD 2X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	108460	0.8			ug/L	%
	Ge	72	109752	127355	0.9			ug/L	%
>	Sc-1	45	529168	641262	0.6			ug/L	%
	Cr	52	6610	136716	0.6	**13.411**	0.080	ug/L	0.6 %
	In	115	906113	1093964	1.0			ug/L	%
	Tb	159	1086539	1324535	1.4			ug/L	%
	Sc	45	529168	641262	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 14:16:35
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-021A 4X.076
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-021A 4X
Sample Type:

Summary

Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
Li	7	118930	110260	1.0			ug/L	%
Ge	72	109752	138104	1.1			ug/L	%
Sc-1	45	529168	676369	0.7			ug/L	%
Cr	52	6610	13973	0.9	**0.546**	0.018	ug/L	3.4 %
In	115	906113	1164600	0.9			ug/L	%
Tb	159	1086539	1423487	0.5			ug/L	%
Sc	45	529168	676369	0.7			ug/L	%

not reported
WS 11/18/03

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 14:19:06
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-021A 10X.077
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-021A 10X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	99457	1.3			ug/L	%
	Ge	72	109752	132374	0.6			ug/L	%
>	**Sc-1**	45	529168	604577	0.3			ug/L	%
	Cr	52	6610	7121	0.6	**-0.048**	0.007	ug/L	15.1 %
	In	115	906113	1093323	1.3			ug/L	%
	Tb	159	1086539	1340272	1.1			ug/L	%
	Sc	45	529168	604577	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 14:21:37
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-028A 4X.078
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-028A 4X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	**Conc. Mean**	Conc. SD		Conc. RSD
	Li	7	118930	98917	0.5			ug/L	%
	Ge	72	109752	130316	0.8			ug/L	%
>	**Sc-1**	45	529168	626951	0.6			ug/L	%
	Cr	52	6610	30975	0.8	**2.467**	0.008	ug/L	0.3 %
	In	115	906113	1086641	0.2			ug/L	%
	Tb	159	1086539	1322007	0.3			ug/L	%
	Sc	45	529168	626951	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 14:24:09
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\065794-028A 10X.079
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 065794-028A 10X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	100155	0.3			ug/L	%
	Ge	72	109752	133006	1.4			ug/L	%
>	Sc-1	45	529168	608534	0.2			ug/L	%
	Cr	52	6610	13679	2.1	**0.667**	0.029	ug/L	4.3 %
	In	115	906113	1096792	2.1			ug/L	%
	Tb	159	1086539	1360666	0.3			ug/L	%
	Sc	45	529168	608534	0.2			ug/L	%

not reported

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 14:26:43
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCV.080
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apci.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	98896	0.7			ug/L	%
	Ge	72	109752	119747	1.3			ug/L	%
>	**Sc-1**	45	529168	543711	0.3			ug/L	%
	Cr	52	6610	84412	0.1	**9.539**	0.040	ug/L	0.4 %
	In	115	906113	1038131	1.2			ug/L	%
	Tb	159	1086539	1265246	1.0			ug/L	%
	Sc	45	529168	543711	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, November 14, 2003 14:29:17
Dataset File: D:\ELAN\Elandata03Sept\Dataset\2003\November\111403\CCB.081
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	118930	99940	1.3			ug/L	%
	Ge	72	109752	120464	0.1			ug/L	%
>	**Sc-1**	45	529168	547098	0.4			ug/L	%
	Cr	52	6610	8932	3.2	**0.256**	0.033	ug/L	12.9 %
	In	115	906113	1042095	0.5			ug/L	%
	Tb	159	1086539	1275736	0.6			ug/L	%
	Sc	45	529168	547098	0.4			ug/L	%

Metals Working Standard Prep Log

Date	Standard Name	Working Std Code	Stock Info: Stock Std Code	Preparation: Stock Concentration	Preparation: Amount Taken from Stock
10-21-03	ICPMS - 500	MST031021H	MST031021G	1000 ppb	25
"	" - 100	" I	" H	500 ppb	10
"	ICPMS - ICV/CCV @ 50	" J	" E	1 ppm / 10 ppm	2.5
10-7-03	[illegible]	MST031017L	MST-010523E Mg	1000 ppm	0.5
			MST030414H Cu		
			MST030217J Rh		
			MST030414E Cd		
			" C Ba		
			MST030217G Ce		
			MST030414P Pb		
			" D Be		
			" G Co		
			MST030217H Tl		
			" I U		
			" E In		
10-21-03	10 ppb Tuning Solution	MST031017M	MST031017L	1 ppm	5
10-23-03	ICPMS - STD1	MST031023A	MST030402A / MST030402B	10 ppm / 1000 ppm	5 / 0.05
"	" - 20	" B	MST031023A	1 ppm	1
"	" - 10	" C	" B	20 ppb	25
"	" - 5	" D	" C	10 ppb	25

Metals Working Standard Prep Log

	Preparation			Expiration Dates			
	Final Vol. (ml)	Final Conc. (ug/ml)	Diluent Matrix (ie H_2O)	Exp Date: Working STD *	Exp Date: Manufacturer	Comments	Initials
1	50	500 ppb	DI H_2O + 1% HNO_3	01-19-04	Leeman	Ca, Mg	NS
		100 ppb					
		500 ppb					
	~~500~~	~~1 ppm~~	DI H_2O + 1% HNO_3	01-15-04	Ultra Scientific High Purity		NS
5							
10							
15							
	0	10 ppb			Ultra Scientific High Purity		
		1 ppm	DI H_2O + 1% HNO_3	01-21-04	Leeman		NS
		20 ppb					
		10 ppb					
20		5 ppb					

* Check working std versus all manufacturer's

0153

Metals Working Standard Prep Log

Date	Standard Name	Working Std Code	Stock Info: Stock Std Code	Preparation: Stock Concentration	Preparation: Amount Taken from Stock
10-31-03	ICP14 - ICV/CCV @10	MST031031G	MST031031F	1 ppm	0.5
11-4-03	ICPMS - Internal Std.	MST031104A	MST030247A Li	1000 ppm	1
			B Ge		
			C Tb		
			D Sc		
			E In		
			F Tm		
	ICPMS - STD1	MST031104B	MST030402A	10 ppm	5
	- 20	C	MST031104B	1 ppm	1
	- 10	D	C	20 ppb	25
	- 5	E	D	10 ppb	25
	- 0.5	F	E	5 ppb	5
	ICPMS - LCS1	G	MST021216D	10 ppm	5
	ICV/CCV @10	H	MST031104	1 ppm	0.5
11-5-03	ICPMS - STD1	MST031105A	MST030402A	10 ppm	5
	- 20	B	MST031105A	1 ppm	1
	- 10	C	B	20 ppb	25
	- 5	D	C	10 ppb	25
	- 0.5	E	D	5 ppb	5
	ICPMS - LCS1	F	MST021216D	10 ppm	5

Metals Working Standard Prep Log

	Preparation			Expiration Dates			
				Exp Date			
	Final Vol. (ml)	Final Conc. (ug/ml)	Diluent Matrix (ie H_2O)	Working STD *	Manufacturer	Comments	Initials
1	50	10 ppb	DI H_2O + 1% HNO_3	01-29-04	Leeman		WJ
	[illegible]	[illegible]	DI H_2O 1% HNO_3	02-02-04	High Purity		WJ
5							
	50	1 ppm	DI H_2O 1% HNO_3	02-02-04	Leeman		WJ
		20 ppb					
		10 ppb					
10		5 ppb					
		0.5 ppb					
		1 ppm			Leeman		
		10 ppb					
	50	1 ppm	DI H_2O 1% HNO_3	02-03-04	Leeman		WJ
15		20 ppb					
		10 ppb					
		5 ppb					
		0.5 ppb					
20		1 ppm			Leeman		

* Check working std versus all manufacturer's

Metals Working Standard Prep Log

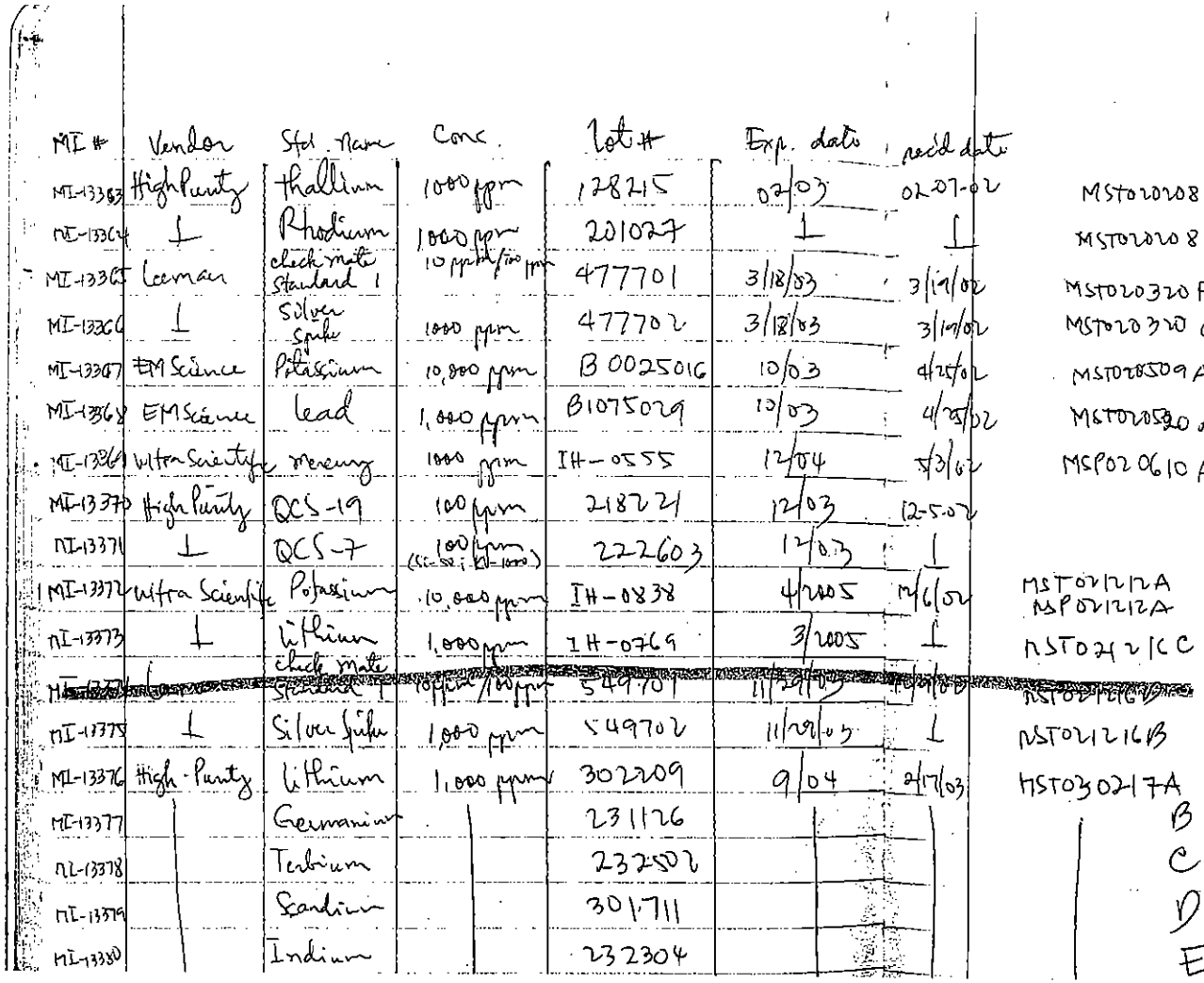
Date	Standard Name	Working Std Code	Stock Info: Stock Std Code	Preparation: Stock Concentration	Preparation: Amount Taken from Stock
11-11-03	ICPMS - IW/CCV @25	MST031111G	MST031111F	1 ppm	0.125
11-12-03	ICPMS - STD1	MST031112A	MST030402A MST030402B MST031108A	10 ppm 1000 ppm 10 ppm	11-12-03 5.0 0.05 5.0
↓	- 100	B	MST031112A	1 ppm	5
	- 50	C	B	100 ppb	25
	- 10	D	C	50 ppb	10
	ICPMS - LCS1	E	MST021216B MST022216B MST031108B	10 ppm 1000 ppm 10 ppm	5.0 0.05 5.0
	- IW/CCV @5	F	MST031112E	1 ppm	2.5
NS ~~ICPMS~~	ICPMS - 800	G	A	1 ppm	40
	- 400	H	G	800 ppb	25
	- 200	I	H	400 ppb	25
↓	ICPMS - IW/CCV @ 400	J	E	1 ppm	20
11-14-03	ICPMS - STD1	MST031114A	MST030402A	10 ppm	5
	- 20	B	MST031114A	1 ppm	1
	- 10	C	B	20 ppb	25
	- 5	D	C	10 ppb	25
	- 0.5	E	D	5 ppb	5
	ICPMS - LCS1	F	MST021216D	10 ppm	5
↓	- IW/CCV @10	G	MST031114F	1 ppm	0.5

0156

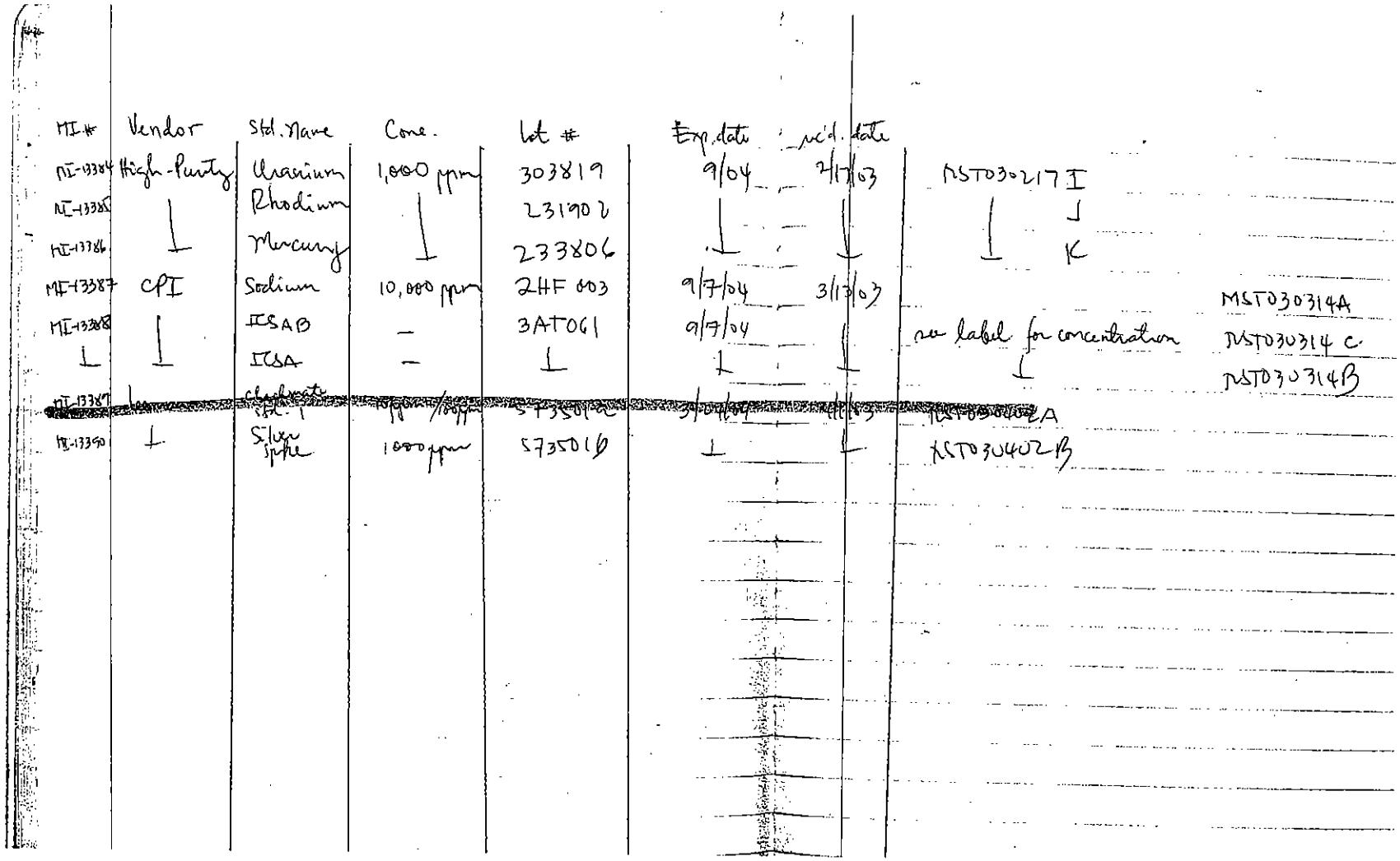
Metals Working Standard Prep Log

	Preparation			Expiration Dates			
				Exp Date			
	Final Vol. (ml)	Final Conc. (ug/ml)	Diluent Matrix (ie H_2O)	Working STD *	Manufacturer	Comments	Initials
1	50	2.5 ppb	DI H_2O + 1% HNO_3	02-09-04	Ultra Scientific		NS
	50	1 ppm	DI H_2O + 1% HNO_3	02-10-04	Leeman + High Purity		
		100 ppb					
		50 ppb					
5		10 ppb					
		1 ppm			Leeman + ETI Science		
		50 ppb					
		800 ppb			Leeman / High Purity		
		400 ppb					
		200 ppb					
10		400 ppb			Leeman / ETI Science		
	50	1 ppm	DI H_2O + 1% HNO_3	02-13-04 NS	Leeman	Cr	NS
		20 ppb					
		10 ppb					
		5 ppb					
15		0.5 ppb					
		1 ppm			Leeman		
		10 ppb					
20							

* Check working std versus all manufacturer's



MI #	Vendor	Std. Name	Conc.	Lot #	Exp. date	rec'd date	
MI-13363	High Purity	thallium	1000 ppm	128215	02/03	02-07-02	MST020208 J
MI-13364	⊥	Rhodium	1000 ppm	201027	⊥	⊥	MST020208 K
MI-13365	Leeman	check mate Standard 1	10 ppm/100 ppm	477701	3/18/03	3/19/02	MST020320 F
MI-13366	⊥	Silver Spike	1000 ppm	477702	3/18/03	3/19/02	MST020320 G
MI-13367	EM Science	Potassium	10,000 ppm	B 0025016	10/03	4/25/02	MST020509 A
MI-13368	EM Science	lead	1,000 ppm	B1075029	10/03	4/25/02	MST020520 A
MI-13369	Ultra Scientific	mercury	1000 ppm	IH-0555	12/04	5/3/02	MSP020610 A
MI-13370	High Purity	QCS-19	100 ppm	218221	12/03	12-5-02	
MI-13371	⊥	QCS-7	100 ppm (Si-50; Ni-1000)	222603	12/03	⊥	
MI-13372	Ultra Scientific	Potassium	10,000 ppm	IH-0838	4/2005	12/6/02	MST021212A MSP021212A
MI-13373	⊥	lithium	1,000 ppm	IH-0769	3/2005	⊥	MST021216C
~~MI-13374~~	~~[illegible]~~	~~check mate Standard 1~~	~~10 ppm/100 ppm~~	~~549701~~	~~11/29/03~~	~~[illegible]~~	~~MST021216B~~
MI-13375	⊥	Silver Spike	1,000 ppm	549702	11/29/03	⊥	MST021216B
MI-13376	High-Purity	lithium	1,000 ppm	302209	9/04	2/17/03	MST030217A
MI-13377		Germanium		231126			B
MI-13378		Terbium		232502			C
MI-13379		Scandium		301711			D
MI-13380		Indium		232304			E



MI #	Vendor	Std. Name	Conc.	Lot #	Exp. date	rec'd. date		
MI-13384	High-Purity	Uranium	1,000 ppm	303819	9/04	2/17/03	MST030217 I	
MI-13385	↓	Rhodium	↓	231902	↓	↓	↓ J	
MI-13386	↓	Mercury	↓	233806	↓	↓	↓ K	
MI-13387	CPI	Sodium	10,000 ppm	2HF 003	9/7/04	3/13/03		MST030314A
MI-13388	↓	ICSAB	—	3AT061	9/7/04	↓	see label for concentration	MST030314 C
↓	↓	ICSA	—	↓	↓	↓	↓	MST030314B
~~MI-13389~~	~~[illegible]~~	~~Chromate Std. 1~~	~~10 ppm/100 ppm~~	~~5735012~~	~~3/04/04~~	~~[illegible]~~	~~MST030402A~~	
MI-13390	↓	Silver spike	1000 ppm	5735016	↓	↓	MST030402B	