Sample/Batch Report

Nancy 3/28/03

User Name: ~~Rowena~~

Computer Name: ICPMS PE 6100

Sample File: D:\ELAN\Sample\2003\March\030328.sam

Report Date/Time: Friday, March 28, 2003 17:15:43

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 > R26258		NS 3/31/03					
10		LCS > ~~R26578~~							
11		062090-003AMS							
12		062090-003AMSD							
13		062090-003A							
14		062090-003ADUP							
15		062090-001A							
16		062090-002A							
17		062090-004A							
18		062090-005A							
7		CCV							
8		CCB							
19		062090-006A							
20		062090-007A							
21		062090-008A							
22		062090-009A							
23		062090-010A							
24		062090-011A							
25		062090-013A							
26		062090-014A							
27		062090-015A							
28		062090-016A							
7		CCV							
8		CCB							
29		062090-017A							
30		062090-018A							
31		062090-019A							
32		062090-020A							
33		062090-021A							
34		062090-021ADUP							
35		MB- > R26259							
36		LCS-							
37		062090-012AMS							
38		062090-012AMSD							
7		CCV							
8		CCB							
39		062090-012A							
40		062090-012ADUP							
41		062090-022A							
42		062090-023A							
43		062090-024A							
44		062090-025A							
45		062090-026A							
46		062090-027A							
47		062090-028A							
7		CCV							
8		CCB							

CAL: MST030328H/20
I/10
J/5
K/0.5

ICV/CCV: MST030328M

LCS: MST030328L

MS/MSD: MST030328G

036

48	062090-003A
49	062090-003ADUP
7	CCV
8	CCB
50	MB- >R26260
51	LCS-
52	062092-005AMS
53	062092-005AMSD
54	062092-005A
55	062092-005ADUP
56	062092-001A
57	062092-002A
58	062092-003A
59	062092-004A
7	CCV
8	CCB
60	062092-006A
61	062092-007A
62	062092-008A
63	062092-009A
64	062092-010A
65	062092-011A
66	062092-012A
67	062092-013A
68	062092-014A
69	062092-015A
7	CCV
8	CCB
70	062092-015ADUP
71	062092-016A
72	062092-017A
73	062092-018A
74	062092-019A
75	062092-020A
76	MB- >R26261
77	LCS-
78	062092-024AMS
79	062092-024AMSD
7	CCV
8	CCB
80	062092-024A
81	062092-024ADUP
82	062092-021A
83	062092-022A
84	062092-023A
85	062092-025A
86	062092-026A
7	CCV
8	CCB
87	100 ppb
7	CCV
8	CCB
88	062092-019A 5X
7	CCV
8	CCB

Metals Working Standard Prep Log

Date	Standard Name	Working Std Code	Stock Info: Stock Std Code	Preparation: Stock Concentration	Preparation: Amount Taken from Stock
1-14-03	ICPMS - LCS,	MST030114E	MST020320F	10ppm	5
	↓ -ICV/CCV@50	F	MST030114E	1ppm	2.5
	ICPMS - 200	G	MST030114A	1ppm	10 ml
	↓ -100	H	↓ G	200ppb	25
	↓ -50	I	↓ H	100ppb	10
	↓ ICPMS-ICV/CCV@100	J	MST030114E	1ppm	5
1-15-03	ICPMS - STD,	MST030115A	MST020320F MST021216D	10ppm	5
	↓ -20	B	MST030115A	1ppm	1
	↓ -10	C	↓ B	20ppb	5
	↓ -5	D	↓ C	10ppb	25 } NS
	↓ -0.5	E	↓ D	5ppb	5 }
	ICPMS - LCS,	F	MST020320F MST020320G	10ppm 10ppm	5 0.5
	↓ -ICV/CCV	G	MST030115F	1ppm	0.5
1-17-03	~~Tuning Stock Solution~~	MST030117A	MST-010523E Mg	1,000ppm	0.5 ml
	↓	↓	MST020619H Cu	↓	0.5
			MST020208K Rh		0.5
			MST020619E Cd		0.5
			MST020208F In		0.5
			MST020619C Ba		0.5
138			MST020208I Ce		0.5

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	1ppm	DI H_2O + 2% HNO_3	4-14-03	Leeman		WS	
	50	50ppb						
	50	200ppb				Fe		
	50	100ppb						
5	20	50ppb						
	50	100ppb						
	50	1ppm	DI H_2O + 2% HNO_3	4-15-03	Leeman	Pb	WS	/RQ
	50	20ppb						
	20	10ppb						
10	50	5ppb						
	50	0.5ppb						
	50	1ppm			Leeman			
	50	10ppb						
	500 ml	1 ppm	DI H_2O + 2% HNO_3	4-17-03	Ultra Scientific		WS	
15					High Purity			
20								

0391

* 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
1-17-03	Tuning Stock Solution	MST030117A	MST020619I Pb	1,000 ppm	0.5 ml
			MST020619D Be		
			MST020619G Co		
			MST020203J Tl		
			MST020208G U		
1-17-03	10 ppb Tuning Solution	MST030117B	MST030117A	1 ppm	5 ml
1-20-03	ICPMS - STD 1	MST030120A	MST021216D	10 ppm	5
	- 200	B	MST030120A	1 ppm	10
	- 100	C	B	200 ppb	25
	- 50	D	C	100 ppb	10
	ICPMS - LCS 1	E	MST020320F	10 ppm	5
	- ICV/CCV	F	MST030120E	1 ppm	5
1-22-03	ICPMS - STD 1	MST030122A	MST021216D MST021216B	10 ppm 1000 ppm	5 0.05
	- 20	B	MST030122A	1 ppm	1
	- 10	C	B	20 ppb	25
	- 5	D	C	10 ppb	10
	- 0.5	E	D	5 ppb	2
	ICPMS - LCS 1	F	MST020320F MST020320G	10 ppm 1000 ppm	5 0.05
	- ICV/CCV	G	MST030122F	1 ppm	0.5
1-24-03	ICPMS - Internal Std.	MST030124A	MST020208B Li	1000 ppm	1 ml

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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	500ml	1ppm	DI H_2O + 2% HNO_3	4-17-03	High Purity		NS
5							
	500ml	10ppb	DI H_2O + 2% HNO_3	4-17-03	ultra scientific High Purity		NS
	50	1ppm	DI H_2O + 2% HNO_3	4-20-03	Leeman	Fe	NS
	50	200ppb					
	50	100ppb					
	20	50ppb					
10	50	1ppm			Leeman		
	50	100ppb					
	50	1ppm	DI H_2O + 2% HNO_3	4-22-03	Leeman		NS
	50	20ppb					
	50	10ppb					
15	20	5ppb					
	20	0±ppb					
	50	1ppm			Leeman		
	50	10ppb					
20	100ml	10ppm	DI H_2O + 2% HNO_3	4-24-03	High Purity		NS

* 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
3/7/03	ICPMS - 5	MST030307D	MST030307C	10 ppb	25
↓	↓ - 0.5	↓ E	↓ D	5 ppb	5
↓	ICPMS - LCS1	↓ F	MST030307F MST020320G	10 ppm 1000 ppm	5 0.05
↓	↓ - ICV/CCV	↓ G	MST030307F	1 ppm	0.5
3/10/03	ICPMS - STD 1	MST030310A	MST021216B MST021216D	1000 ppm 10 ppm	0.05 mL 5.0 mL
↓	↓ 20 ppb	↓ B	MST030310A	1 ppm	1.0 mL
↓	↓ 10 ppb	↓ C	↓ B	20 ppm	25 mL
↓	↓ 5 ppb	↓ D	↓ C	10 ppm	25 mL
↓	↓ 0.5 ppb	↓ E	↓ D	5 ppm	5 mL
↓	ICPMS - LCS1	↓ F	~~MST030310~~ MST021205A MST021205B	100 ppm 100 ppm	0.5 mL 0.5 mL
↓	↓ - ICV/CCV 10@	↓ G	MST030310F	1 ppm	0.5 mL
3/11/03	Internal Standard - ICPMS	MST030311A	MST030217A Li	1000 ppm	1 mL
↓	↓	↓	↓ B Ge	↓	↓
↓	↓	↓	↓ C Tb	↓	↓
↓	↓	↓	↓ D Sc	↓	↓
↓	↓	↓	↓ E In	↓	↓
↓	↓	↓	↓ F Tm	↓	↓
3/11/03	ICPMS - STD 1	MST030311B	MST021216B MST021216D	1000 ppm 10 ppm	0.05 mL 5 mL
↓	ICPMS - 10 ppb	MST030311C	MST030311B	1 ppm	0.5 mL
↓	ICPMS - 7.5 ppb	MST030311D	MST030311C	10 ppb	37.5 mL

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	5 ppb	DI H_2O + 2% HNO_3	6/5/03	Leeman		NC
		0.5 ppb					
		1 ppm					
		10 ppb					
5	50	1 ppm	DI H_2O + 2% HNO_3	6/8/03	Leeman		RQ
		20 ppb					
		10 ppb					
		5 ppb					
		0.5 ppb					
10		1 ppm			HIGH PURITY		
		10 ppb					
	100 mL	10 ppm	DI H_2O + 2% HNO_3	6/9/03	High Purity		RQ
15							
	50 mL	1 ppm	DI H_2O + 2% HNO_3	6/9/03	Leeman		RQ
	50 mL	10 ppb		6/9/03			
	50 mL	7.5 ppb		6/9/03			

* Check working std versus all manufacturer's

Metals Working Standard Prep Log

			Stock Info	Preparation	
Date	Standard Name	Working Std Code	Stock Std Code	Stock Concentration	Amount Taken from Stock
03-27-03	ICPMS-IW/CW @50	MST030327M	MST030327H	1 ppm	2.5
03-28-03	ICPMS-STD1	MST030328G	MST021216D	10 ppm	5
↑	| -20	H	MST030328G	1 ppm	1
	-10	I	H	20 ppb	25
	-5	J	I	10 ppb	25
	↓ -0.5	K	↓ J	5 ppb	5
	ICPMS-LCS1	L	MST021205A	100 ppm	0.5
	↓ -IW/CW	↓ M	MST030328L	1 ppm	0.5

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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	50ppb	DI H2O + 2% HNO3	6/25/03	High Purity		NS
	50	1 ppm	DI H2O + 2% HNO3	06/26/03	Leeman	CT	MS
		20ppb					
		10ppb					
5		1ppb					
		0.1ppb					
		1 ppm			High Purity		
		10ppb					
10							
15							
20							

0454

* Check working std versus all manufacturer's

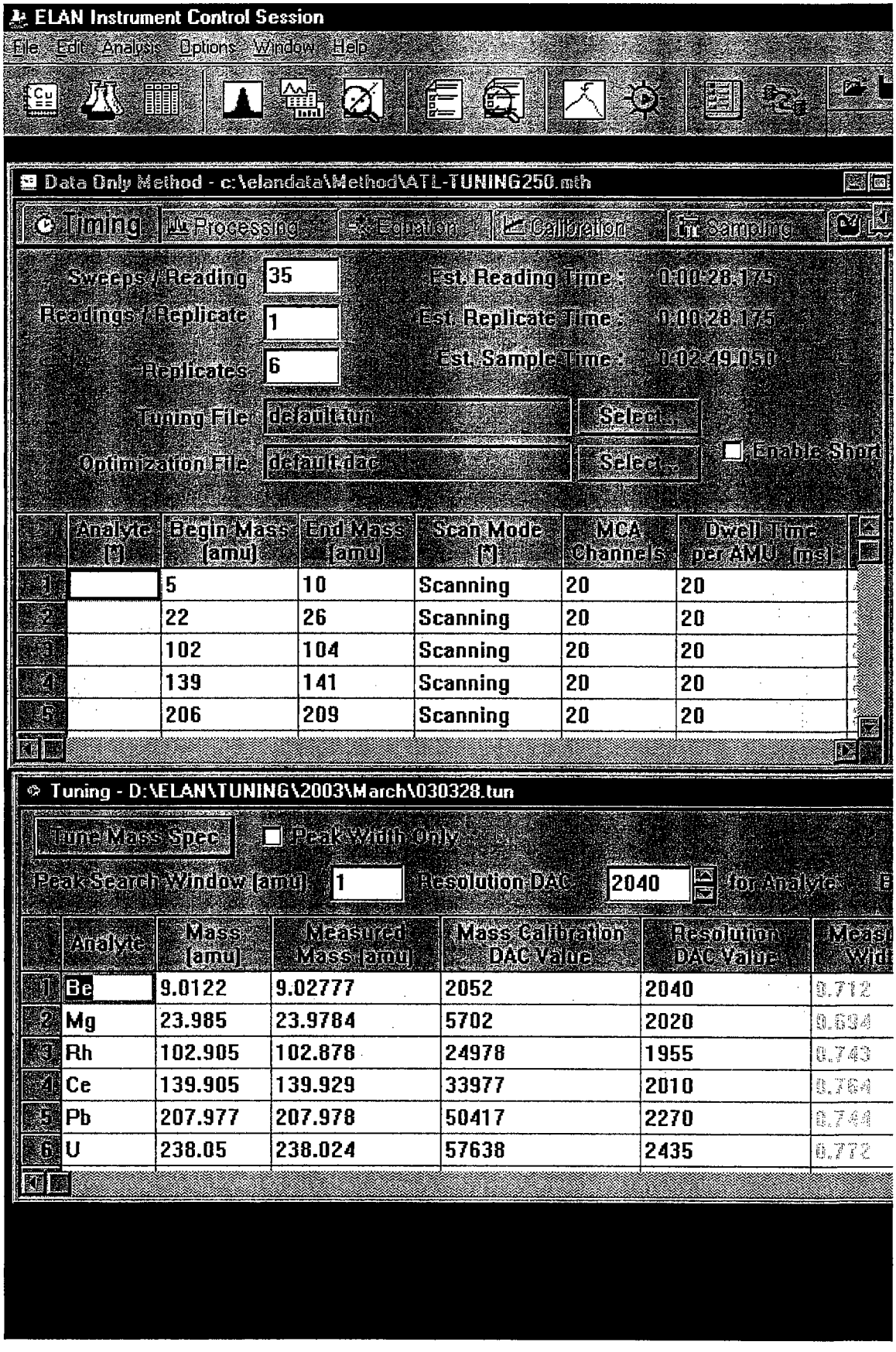
Method Detection Limits

Method:	6020 / 200.8
Date of Analysis:	01/13/2003
Instrument ID:	ICP4
Matrix:	Water

Compound	MDL (ug/L)	DLR (ug/L)
Chromium	0.111	1

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040


ELAN Instrument Control Session
File Edit Analysis Options Window Help
Data Only Method - c:\elandata\Method\ATL-TUNING250.mth
Timing
Processing
Equation
Calibration
Sampling
Sweeps / Reading 35
Readings / Replicate 1
Replicates 6
Est. Reading Time : 0:00:28.175
Est. Replicate Time : 0:00:28.175
Est. Sample Time : 0:02:49.050
Tuning File default.tun
Select...
Optimization File default.dac
Select...
Enable Short
Analyte [*] | Begin Mass [amu] | End Mass [amu] | Scan Mode [*] | MCA Channels | Dwell Time per AMU [ms]
1 | 5 | 10 | Scanning | 20 | 20
2 | 22 | 26 | Scanning | 20 | 20
3 | 102 | 104 | Scanning | 20 | 20
4 | 139 | 141 | Scanning | 20 | 20
5 | 206 | 209 | Scanning | 20 | 20
Tuning - D:\ELAN\TUNING\2003\March\030328.tun
Tune Mass Spec
Peak Width Only
Peak Search Window [amu] 1
Resolution DAC 2040
for Analyte
Analyte | Mass [amu] | Measured Mass [amu] | Mass Calibration DAC Value | Resolution DAC Value | Meas Wid
1 Be | 9.0122 | 9.02777 | 2052 | 2040 | 0.712
2 Mg | 23.985 | 23.9784 | 5702 | 2020 | 0.684
3 Rh | 102.905 | 102.878 | 24978 | 1955 | 0.743
4 Ce | 139.905 | 139.929 | 33977 | 2010 | 0.764
5 Pb | 207.977 | 207.978 | 50417 | 2270 | 0.744
6 U | 238.05 | 238.024 | 57638 | 2435 | 0.772

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 10:58:37
Dataset File: D:\ELAN\Dataset\2003\March\030328\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		64755	2.0			ug/L	%
	Ge	72		132759	0.4			ug/L	%
>	**Sc-1**	45		585608	0.9			ug/L	%
	Cr	52		6457	3.9			ug/L	%
	In	115		1118182	0.7			ug/L	%
	Tb	159		1333099	1.5			ug/L	%
	Sc	45		585608	0.9			ug/L	%

048

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 11:01:05
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	66042	2.9			ug/L	%
	Ge	72	132759	132867	1.1			ug/L	%
>	**Sc-1**	45	585608	592716	1.7			ug/L	%
	Cr	52	6457	12024	0.1	**0.500**	0.019	ug/L	3.8 %
	In	115	1118182	1117670	0.9			ug/L	%
	Tb	159	1333099	1352964	0.6			ug/L	%
	Sc	45	585608	592716	1.7			ug/L	%

049

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 11:03:50
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	65338	2.1			ug/L	%
	Ge	72	132759	129459	0.4			ug/L	%
>	**Sc-1**	45	585608	585136	1.5			ug/L	%
	Cr	52	6457	52675	0.3	**4.991**	0.086	ug/L	1.7 %
	In	115	1118182	1082615	0.4			ug/L	%
	Tb	159	1333099	1322007	0.9			ug/L	%
	Sc	45	585608	585136	1.5			ug/L	%

050

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 11:06:36
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	65474	2.1			ug/L	%
	Ge	72	132759	128878	0.2			ug/L	%
>	**Sc-1**	45	585608	579495	0.9			ug/L	%
	Cr	52	6457	97295	1.0	**9.982**	0.021	ug/L	0.2 %
	In	115	1118182	1077190	0.5			ug/L	%
	Tb	159	1333099	1303338	1.3			ug/L	%
	Sc	45	585608	579495	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 11:09:22
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	65175	3.1			ug/L	%
	Ge	72	132759	128048	0.8			ug/L	%
>	**Sc-1**	45	585608	570923	1.6			ug/L	%
	Cr	52	6457	184757	1.0	**19.974**	0.215	ug/L	1.1 %
	In	115	1118182	1070757	1.1			ug/L	%
	Tb	159	1333099	1289713	0.8			ug/L	%
	Sc	45	585608	570923	1.6			ug/L	%

052

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 11:12:11
Dataset File: D:\ELAN\Dataset\2003\March\030328\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

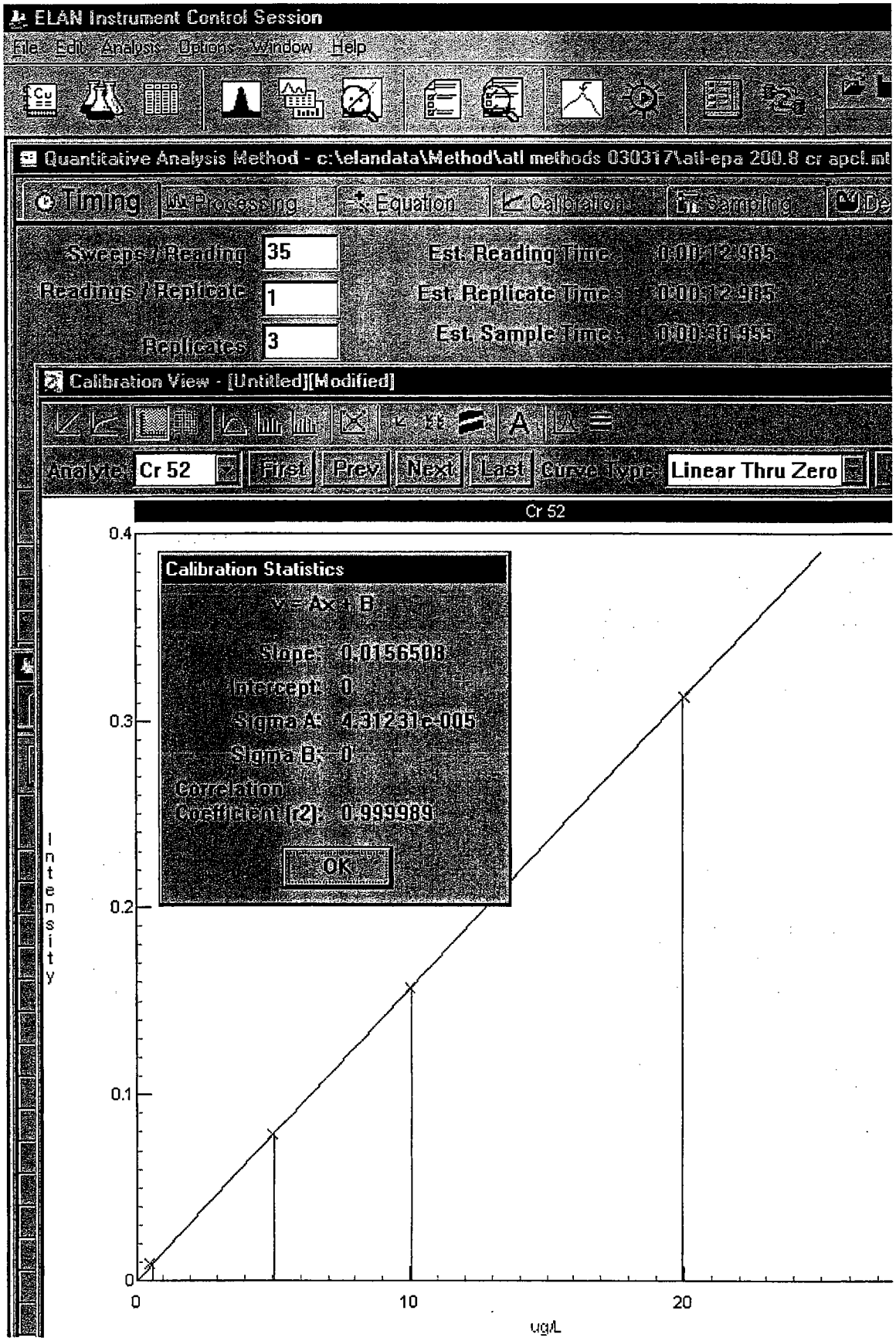
	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	64899	2.6			ug/L	%
	Ge	72	132759	126995	0.4			ug/L	%
>	**Sc-1**	45	585608	572536	1.3			ug/L	%
	Cr	52	6457	96636	0.6	**10.081**	0.115	ug/L	1.1 %
	In	115	1118182	1063371	0.5			ug/L	%
	Tb	159	1333099	1288325	0.6			ug/L	%
	Sc	45	585608	572536	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 11:14:42
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	65056	2.1			ug/L	%
	Ge	72	132759	127937	0.7			ug/L	%
>	**Sc-1**	45	585608	580486	0.7			ug/L	%
	Cr	52	6457	7412	1.4	**0.111**	0.012	ug/L	11.1 %
	In	115	1118182	1069383	0.9			ug/L	%
	Tb	159	1333099	1292737	1.0			ug/L	%
	Sc	45	585608	580486	0.7			ug/L	%


ELAN Instrument Control Session
File Edit Analysis Options Window Help
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Processing
Equation
Calibration
Sampling
Sweeps / Reading 35
Readings / Replicate 1
Replicates 3
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Est. Replicate Time 0:00:12.985
Est. Sample Time 0:00:38.955
Calibration View - [Untitled][Modified]
Analyte Cr 52
First
Prev
Next
Last
Curve Type Linear Thru Zero
Cr 52
Calibration Statistics
Y = Ax + B
Slope: 0.0156508
Intercept: 0
Sigma A: 4.31231e-005
Sigma B: 0
Correlation Coefficient (r2): 0.999989
OK
Intensity
0.4
0.3
0.2
0.1
0
0
10
20
ug/L

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:11:51
Dataset File: D:\ELAN\Dataset\2003\March\030328\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 -R26258 NS 3/31
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	68438	2.0			ug/L	%
	Ge	72	132759	123983	0.5			ug/L	%
>	**Sc-1**	45	585608	581019	0.4			ug/L	%
	Cr	52	6457	6213	1.4	**-0.021**	0.012	ug/L	54.5 %
	In	115	1118182	1031279	1.6			ug/L	%
	Tb	159	1333099	1237404	1.3			ug/L	%
	Sc	45	585608	581019	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:14:19
Dataset File: D:\ELAN\Dataset\2003\March\030328\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 - R26 258 NS 3/31
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	67144	1.8			ug/L	%
	Ge	72	132759	124359	0.5			ug/L	%
>	**Sc-1**	45	585608	582440	0.5			ug/L	%
	Cr	52	6457	97170	0.7	**9.955**	0.038	ug/L	0.4 %
	In	115	1118182	1039353	0.9			ug/L	%
	Tb	159	1333099	1250681	1.1			ug/L	%
	Sc	45	585608	582440	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:16:47
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-003AMS.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: 062090-003AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	55976	2.9			ug/L	%
	Ge	72	132759	120931	0.8			ug/L	%
>	**Sc-1**	45	585608	597078	1.6			ug/L	%
	Cr	52	6457	113780	0.6	**11.473**	0.153	ug/L	1.3 %
	In	115	1118182	1056709	1.3			ug/L	%
	Tb	159	1333099	1270438	0.3			ug/L	%
	Sc	45	585608	597078	1.6			ug/L	%

n58

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:19:16
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-003AMSD.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: 062090-003AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	58083	2.4			ug/L	%
	Ge	72	132759	124275	0.3			ug/L	%
>	**Sc-1**	45	585608	612277	1.2			ug/L	%
	Cr	52	6457	115128	1.1	**11.310**	0.013	ug/L	0.1 %
	In	115	1118182	1071310	0.1			ug/L	%
	Tb	159	1333099	1294310	0.1			ug/L	%
	Sc	45	585608	612277	1.2			ug/L	%

059

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:21:46
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-003A.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: 062090-003A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	58693	1.2			ug/L	%
	Ge	72	132759	125209	0.9			ug/L	%
>	**Sc-1**	45	585608	614156	1.3			ug/L	%
	Cr	52	6457	52108	1.3	**4.717**	0.005	ug/L	0.1 %
	In	115	1118182	1081032	1.6			ug/L	%
	Tb	159	1333099	1293725	0.9			ug/L	%
	Sc	45	585608	614156	1.3			ug/L	%

for Re-run
NS 3/31/03

060

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:24:16
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-003ADUP.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: 062090-003ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	58588	1.6			ug/L	%
	Ge	72	132759	124167	0.1			ug/L	%
>	**Sc-1**	45	585608	609214	0.8			ug/L	%
	Cr	52	6457	30768	0.9	**2.522**	0.004	ug/L	0.1 %
	In	115	1118182	1062475	1.0			ug/L	%
	Tb	159	1333099	1276536	1.6			ug/L	%
	Sc	45	585608	609214	0.8			ug/L	%

for m - mm
NS 3/31/03

061

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:26:46
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-001A.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: 062090-001A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	58930	2.2			ug/L	%
	Ge	72	132759	124041	0.4			ug/L	%
>	**Sc-1**	45	585608	584532	0.8			ug/L	%
	Cr	52	6457	29442	1.3	**2.514**	0.016	ug/L	0.6 %
	In	115	1118182	1068313	0.7			ug/L	%
	Tb	159	1333099	1288451	0.1			ug/L	%
	Sc	45	585608	584532	0.8			ug/L	%

062

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:29:17
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-002A.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: 062090-002A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	60019	1.7			ug/L	%
	Ge	72	132759	124535	0.3			ug/L	%
>	**Sc-1**	45	585608	614742	0.8			ug/L	%
	Cr	52	6457	43769	1.2	**3.845**	0.028	ug/L	0.7 %
	In	115	1118182	1058069	0.5			ug/L	%
	Tb	159	1333099	1265285	0.1			ug/L	%
	Sc	45	585608	614742	0.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:31:49
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-004A.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: 062090-004A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	53429	3.0			ug/L	%
	Ge	72	132759	117840	0.6			ug/L	%
>	**Sc-1**	45	585608	510684	1.2			ug/L	%
	Cr	52	6457	8928	0.3	**0.413**	0.016	ug/L	3.9 %
	In	115	1118182	1020859	1.1			ug/L	%
	Tb	159	1333099	1253176	1.2			ug/L	%
	Sc	45	585608	510684	1.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:34:20
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-005A.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: 062090-005A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	53169	2.3			ug/L	%
	Ge	72	132759	119886	0.3			ug/L	%
>	**Sc-1**	45	585608	540162	0.9			ug/L	%
	Cr	52	6457	22666	1.8	**1.976**	0.025	ug/L	1.3 %
	In	115	1118182	1050803	0.7			ug/L	%
	Tb	159	1333099	1275549	1.0			ug/L	%
	Sc	45	585608	540162	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:36:54
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	61542	2.5			ug/L	%
	Ge	72	132759	119885	0.7			ug/L	%
>	**Sc-1**	45	585608	548220	1.4			ug/L	%
	Cr	52	6457	92659	0.7	**10.096**	0.093	ug/L	0.9 %
	In	115	1118182	996685	1.2			ug/L	%
	Tb	159	1333099	1219023	0.3			ug/L	%
	Sc	45	585608	548220	1.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:39:28
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	62975	2.4			ug/L	%
	Ge	72	132759	120719	0.3			ug/L	%
>	**Sc-1**	45	585608	563178	1.1			ug/L	%
	Cr	52	6457	8116	1.1	**0.216**	0.010	ug/L	4.4 %
	In	115	1118182	1003301	0.5			ug/L	%
	Tb	159	1333099	1216609	0.9			ug/L	%
	Sc	45	585608	563178	1.1			ug/L	%

067

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:42:02
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-006A.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: 062090-006A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	60008	2.3			ug/L	%
	Ge	72	132759	122770	0.7			ug/L	%
>	**Sc-1**	45	585608	607977	1.0			ug/L	%
	Cr	52	6457	45465	1.1	**4.074**	0.030	ug/L	0.7 %
	In	115	1118182	1032021	0.7			ug/L	%
	Tb	159	1333099	1256843	0.7			ug/L	%
	Sc	45	585608	607977	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:44:35
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-007A.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: 062090-007A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	59668	2.1			ug/L	%
	Ge	72	132759	122909	0.6			ug/L	%
>	**Sc-1**	45	585608	600305	1.6			ug/L	%
	Cr	52	6457	79433	1.8	**7.750**	0.017	ug/L	0.2 %
	In	115	1118182	1037935	0.3			ug/L	%
	Tb	159	1333099	1254357	0.3			ug/L	%
	Sc	45	585608	600305	1.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:47:08
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-008A.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: 062090-008A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	60264	2.4			ug/L	%
	Ge	72	132759	122205	0.6			ug/L	%
>	**Sc-1**	45	585608	584347	1.3			ug/L	%
	Cr	52	6457	39158	1.3	**3.577**	0.008	ug/L	0.2 %
	In	115	1118182	1026309	0.5			ug/L	%
	Tb	159	1333099	1244050	0.1			ug/L	%
	Sc	45	585608	584347	1.3			ug/L	%

070

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:49:42
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-009A.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: 062090-009A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	53979	2.1			ug/L	%
	Ge	72	132759	116180	0.7			ug/L	%
>	**Sc-1**	45	585608	500056	1.0			ug/L	%
	Cr	52	6457	9846	1.6	**0.553**	0.009	ug/L	1.6 %
	In	115	1118182	1000073	0.6			ug/L	%
	Tb	159	1333099	1221785	0.8			ug/L	%
	Sc	45	585608	500056	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:52:16
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-010A.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: 062090-010A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	53499	2.9			ug/L	%
	Ge	72	132759	115759	0.4			ug/L	%
>	**Sc-1**	45	585608	509479	1.6			ug/L	%
	Cr	52	6457	39989	2.3	**4.310**	0.042	ug/L	1.0 %
	In	115	1118182	1020834	0.8			ug/L	%
	Tb	159	1333099	1253768	1.2			ug/L	%
	Sc	45	585608	509479	1.6			ug/L	%

072

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:54:47
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-011A.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: 062090-011A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	63442	0.9			ug/L	%
	Ge	72	132759	118733	0.3			ug/L	%
>	**Sc-1**	45	585608	641984	0.7			ug/L	%
	Cr	52	6457	55589	1.6	**4.828**	0.073	ug/L	1.5 %
	In	115	1118182	990212	0.7			ug/L	%
	Tb	159	1333099	1191500	0.9			ug/L	%
	Sc	45	585608	641984	0.7			ug/L	%

073

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:57:14
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-013A.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: 062090-013A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	55199	1.8			ug/L	%
	Ge	72	132759	116156	0.7			ug/L	%
>	**Sc-1**	45	585608	505050	1.0			ug/L	%
	Cr	52	6457	9962	0.9	**0.556**	0.002	ug/L	0.4 %
	In	115	1118182	989570	1.4			ug/L	%
	Tb	159	1333099	1208656	1.0			ug/L	%
	Sc	45	585608	505050	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 12:59:42
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-014A.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: 062090-014A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	57814	1.1			ug/L	%
	Ge	72	132759	117616	0.4			ug/L	%
>	**Sc-1**	45	585608	545294	1.3			ug/L	%
	Cr	52	6457	25454	2.4	**2.278**	0.036	ug/L	1.6 %
	In	115	1118182	989967	0.6			ug/L	%
	Tb	159	1333099	1213054	0.6			ug/L	%
	Sc	45	585608	545294	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:02:10
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-015A.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: 062090-015A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	59058	2.1			ug/L	%
	Ge	72	132759	120036	0.6			ug/L	%
>	**Sc-1**	45	585608	561240	0.4			ug/L	%
	Cr	52	6457	23733	1.5	**1.997**	0.042	ug/L	2.1 %
	In	115	1118182	998540	1.1			ug/L	%
	Tb	159	1333099	1214317	0.9			ug/L	%
	Sc	45	585608	561240	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:04:39
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-016A.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: 062090-016A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	61554	1.7			ug/L	%
	Ge	72	132759	122022	0.7			ug/L	%
>	**Sc-1**	45	585608	589833	0.3			ug/L	%
	Cr	52	6457	28835	0.7	**2.419**	0.029	ug/L	1.2 %
	In	115	1118182	1003034	0.3			ug/L	%
	Tb	159	1333099	1212923	1.2			ug/L	%
	Sc	45	585608	589833	0.3			ug/L	%

077

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:07:11
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	64570	1.8			ug/L	%
	Ge	72	132759	118950	1.0			ug/L	%
>	**Sc-1**	45	585608	549017	0.8			ug/L	%
	Cr	52	6457	91376	0.2	**9.930**	0.091	ug/L	0.9 %
	In	115	1118182	970383	1.6			ug/L	%
	Tb	159	1333099	1183684	1.0			ug/L	%
	Sc	45	585608	549017	0.8			ug/L	%

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Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:09:45
Dataset File: D:\ELAN\Dataset\2003\March\030328\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	64755	64719	2.2			ug/L	%
	Ge	72	132759	118488	1.7			ug/L	%
>	**Sc-1**	45	585608	553116	1.0			ug/L	%
	Cr	52	6457	7803	1.3	**0.197**	0.018	ug/L	8.9 %
	In	115	1118182	967496	2.5			ug/L	%
	Tb	159	1333099	1185661	1.4			ug/L	%
	Sc	45	585608	553116	1.0			ug/L	%

079

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:12:17
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-017A.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: 062090-017A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	65901	2.4			ug/L	%
	Ge	72	132759	124835	0.3			ug/L	%
>	**Sc-1**	45	585608	623131	1.9			ug/L	%
	Cr	52	6457	36001	1.2	**2.987**	0.026	ug/L	0.9 %
	In	115	1118182	1015788	0.2			ug/L	%
	Tb	159	1333099	1226743	0.1			ug/L	%
	Sc	45	585608	623131	1.9			ug/L	%

080

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:14:47
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-018A.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: 062090-018A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	63687	1.5			ug/L	%
	Ge	72	132759	123006	0.8			ug/L	%
>	**Sc-1**	45	585608	627942	0.7			ug/L	%
	Cr	52	6457	56427	0.9	**5.037**	0.019	ug/L	0.4 %
	In	115	1118182	999740	1.6			ug/L	%
	Tb	159	1333099	1202129	0.2			ug/L	%
	Sc	45	585608	627942	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:17:18
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-019A.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: 062090-019A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	68087	1.5			ug/L	%
	Ge	72	132759	118616	0.1			ug/L	%
>	**Sc-1**	45	585608	650753	0.9			ug/L	%
	Cr	52	6457	43724	1.2	**3.588**	0.019	ug/L	0.5 %
	In	115	1118182	957311	0.6			ug/L	%
	Tb	159	1333099	1167711	0.9			ug/L	%
	Sc	45	585608	650753	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:19:48
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-020A.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: 062090-020A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	70620	1.3			ug/L	%
	Ge	72	132759	117008	0.4			ug/L	%
>	**Sc-1**	45	585608	649967	0.8			ug/L	%
	Cr	52	6457	44904	2.0	**3.709**	0.061	ug/L	1.7 %
	In	115	1118182	944482	1.0			ug/L	%
	Tb	159	1333099	1154704	0.6			ug/L	%
	Sc	45	585608	649967	0.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:22:19
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-021A.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: 062090-021A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	74926	1.3			ug/L	%
	Ge	72	132759	118255	0.5			ug/L	%
>	**Sc-1**	45	585608	659148	0.5			ug/L	%
	Cr	52	6457	43882	0.5	**3.549**	0.031	ug/L	0.9 %
	In	115	1118182	930199	1.3			ug/L	%
	Tb	159	1333099	1141062	0.1			ug/L	%
	Sc	45	585608	659148	0.5			ug/L	%

084

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:24:51
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-021ADUP.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: 062090-021ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	78141	1.8			ug/L	%
	Ge	72	132759	120317	1.5			ug/L	%
>	**Sc-1**	45	585608	666947	0.5			ug/L	%
	Cr	52	6457	45369	0.2	**3.642**	0.015	ug/L	0.4 %
	In	115	1118182	945059	0.8			ug/L	%
	Tb	159	1333099	1152945	0.3			ug/L	%
	Sc	45	585608	666947	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:27:23
Dataset File: D:\ELAN\Dataset\2003\March\030328\MB-.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: MB- R26759 NS 3/31
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	76181	1.6			ug/L	%
	Ge	72	132759	119408	0.9			ug/L	%
>	**Sc-1**	45	585608	555587	0.9			ug/L	%
	Cr	52	6457	7811	1.2	**0.194**	0.018	ug/L	9.5 %
	In	115	1118182	933708	1.4			ug/L	%
	Tb	159	1333099	1144318	0.6			ug/L	%
	Sc	45	585608	555587	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:29:56
Dataset File: D:\ELAN\Dataset\2003\March\030328\LCS-.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: LCS- L26259 NS 3/31/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	75272	2.2			ug/L	%
	Ge	72	132759	116039	0.3			ug/L	%
>	**Sc-1**	45	585608	549638	1.2			ug/L	%
	Cr	52	6457	87114	1.1	**9.422**	0.050	ug/L	0.5 %
	In	115	1118182	916805	0.3			ug/L	%
	Tb	159	1333099	1140630	0.7			ug/L	%
	Sc	45	585608	549638	1.2			ug/L	%

1.87

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:32:29
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-012AMS.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: 062090-012AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	71739	1.8			ug/L	%
	Ge	72	132759	118454	1.2			ug/L	%
>	**Sc-1**	45	585608	594399	0.1			ug/L	%
	Cr	52	6457	103518	0.6	**10.423**	0.069	ug/L	0.7 %
	In	115	1118182	941403	2.0			ug/L	%
	Tb	159	1333099	1153183	1.6			ug/L	%
	Sc	45	585608	594399	0.1			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:35:03
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-012AMSD.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: 062090-012AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	71023	1.7			ug/L	%
	Ge	72	132759	119592	0.7			ug/L	%
>	**Sc-1**	45	585608	605109	1.2			ug/L	%
	Cr	52	6457	105064	0.6	**10.390**	0.161	ug/L	1.6 %
	In	115	1118182	949321	0.8			ug/L	%
	Tb	159	1333099	1165666	1.0			ug/L	%
	Sc	45	585608	605109	1.2			ug/L	%

089

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:37:37
Dataset File: D:\ELAN\Dataset\2003\March\030328\CCV.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: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	73539	1.6			ug/L	%
	Ge	72	132759	117790	1.0			ug/L	%
>	**Sc-1**	45	585608	555046	1.5			ug/L	%
	Cr	52	6457	89060	0.8	**9.548**	0.079	ug/L	0.8 %
	In	115	1118182	927618	0.8			ug/L	%
	Tb	159	1333099	1149288	0.7			ug/L	%
	Sc	45	585608	555046	1.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:40:11
Dataset File: D:\ELAN\Dataset\2003\March\030328\CCB.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: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	73642	2.3			ug/L	%
	Ge	72	132759	116717	0.4			ug/L	%
>	**Sc-1**	45	585608	552820	0.4			ug/L	%
	Cr	52	6457	7844	1.0	**0.202**	0.013	ug/L	6.5 %
	In	115	1118182	926635	1.2			ug/L	%
	Tb	159	1333099	1147789	0.8			ug/L	%
	Sc	45	585608	552820	0.4			ug/L	%

191

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:42:46
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-012A.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: 062090-012A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	67832	3.2			ug/L	%
	Ge	72	132759	116712	0.3			ug/L	%
>	**Sc-1**	45	585608	589356	0.7			ug/L	%
	Cr	52	6457	26425	1.6	**2.160**	0.034	ug/L	1.6 %
	In	115	1118182	931892	0.9			ug/L	%
	Tb	159	1333099	1135224	0.7			ug/L	%
	Sc	45	585608	589356	0.7			ug/L	%

192

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:45:16
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-012ADUP.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: 062090-012ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	66186	1.6			ug/L	%
	Ge	72	132759	116135	1.7			ug/L	%
>	**Sc-1**	45	585608	583433	0.9			ug/L	%
	Cr	52	6457	26947	1.0	**2.247**	0.009	ug/L	0.4 %
	In	115	1118182	930578	1.1			ug/L	%
	Tb	159	1333099	1132756	1.7			ug/L	%
	Sc	45	585608	583433	0.9			ug/L	%

093

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:47:43
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-022A.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: 062090-022A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	62513	2.3			ug/L	%
	Ge	72	132759	115913	1.2			ug/L	%
>	**Sc-1**	45	585608	525638	0.4			ug/L	%
	Cr	52	6457	6700	0.9	**0.110**	0.007	ug/L	6.8 %
	In	115	1118182	933127	1.2			ug/L	%
	Tb	159	1333099	1134804	1.0			ug/L	%
	Sc	45	585608	525638	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:50:11
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-023A.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: 062090-023A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	65550	1.6			ug/L	%
	Ge	72	132759	116775	0.6			ug/L	%
>	**Sc-1**	45	585608	610823	0.8			ug/L	%
	Cr	52	6457	45452	1.0	**4.050**	0.040	ug/L	1.0 %
	In	115	1118182	929811	0.7			ug/L	%
	Tb	159	1333099	1129041	1.0			ug/L	%
	Sc	45	585608	610823	0.8			ug/L	%

095

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:52:39
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-024A.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: 062090-024A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	64414	1.8			ug/L	%
	Ge	72	132759	116878	0.4			ug/L	%
>	**Sc-1**	45	585608	570835	1.0			ug/L	%
	Cr	52	6457	29030	1.9	**2.545**	0.037	ug/L	1.4 %
	In	115	1118182	929033	0.3			ug/L	%
	Tb	159	1333099	1133839	0.3			ug/L	%
	Sc	45	585608	570835	1.0			ug/L	%

096

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:55:08
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-025A.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: 062090-025A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	66409	0.5			ug/L	%
	Ge	72	132759	117151	1.6			ug/L	%
>	**Sc-1**	45	585608	592197	0.6			ug/L	%
	Cr	52	6457	42169	0.9	**3.845**	0.019	ug/L	0.5 %
	In	115	1118182	930635	1.0			ug/L	%
	Tb	159	1333099	1137473	1.2			ug/L	%
	Sc	45	585608	592197	0.6			ug/L	%

097

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 13:57:37
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-026A.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: 062090-026A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	68436	1.0			ug/L	%
	Ge	72	132759	117178	0.8			ug/L	%
>	**Sc-1**	45	585608	586321	0.4			ug/L	%
	Cr	52	6457	61166	0.8	**5.961**	0.035	ug/L	0.6 %
	In	115	1118182	931939	0.9			ug/L	%
	Tb	159	1333099	1144693	0.5			ug/L	%
	Sc	45	585608	586321	0.4			ug/L	%

n98

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 14:00:06
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-027A.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: 062090-027A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	63369	2.0			ug/L	%
	Ge	72	132759	116155	0.9			ug/L	%
>	**Sc-1**	45	585608	517974	0.8			ug/L	%
	Cr	52	6457	7902	0.5	**0.270**	0.007	ug/L	2.5 %
	In	115	1118182	937434	1.0			ug/L	%
	Tb	159	1333099	1145080	1.0			ug/L	%
	Sc	45	585608	517974	0.8			ug/L	%

099

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 14:02:36
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-028A.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: 062090-028A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	65877	2.1			ug/L	%
	Ge	72	132759	116156	1.1			ug/L	%
>	**Sc-1**	45	585608	586429	1.2			ug/L	%
	Cr	52	6457	42900	1.4	**3.970**	0.048	ug/L	1.2 %
	In	115	1118182	921799	0.3			ug/L	%
	Tb	159	1333099	1128347	0.2			ug/L	%
	Sc	45	585608	586429	1.2			ug/L	%

100

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 14:05:08
Dataset File: D:\ELAN\Dataset\2003\March\030328\CCV.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: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	71285	0.9			ug/L	%
	Ge	72	132759	114271	1.4			ug/L	%
>	**Sc-1**	45	585608	539084	0.2			ug/L	%
	Cr	52	6457	86360	0.4	**9.531**	0.056	ug/L	0.6 %
	In	115	1118182	915148	1.3			ug/L	%
	Tb	159	1333099	1134958	0.9			ug/L	%
	Sc	45	585608	539084	0.2			ug/L	%

101

Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 14:07:43
Dataset File: D:\ELAN\Dataset\2003\March\030328\CCB.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: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	72636	2.3			ug/L	%
	Ge	72	132759	116155	1.2			ug/L	%
>	**Sc-1**	45	585608	544013	0.5			ug/L	%
	Cr	52	6457	7932	2.0	**0.227**	0.023	ug/L	10.2 %
	In	115	1118182	921277	2.1			ug/L	%
	Tb	159	1333099	1138039	0.6			ug/L	%
	Sc	45	585608	544013	0.5			ug/L	%

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Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 14:10:35
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-003A.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: 062090-003A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	69754	1.0			ug/L	%
	Ge	72	132759	116351	0.6			ug/L	%
>	**Sc-1**	45	585608	600060	0.2			ug/L	%
	Cr	52	6457	26191	0.8	**2.084**	0.017	ug/L	0.8 %
	In	115	1118182	934909	0.6			ug/L	%
	Tb	159	1333099	1144035	1.6			ug/L	%
	Sc	45	585608	600060	0.2			ug/L	%

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Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 14:13:06
Dataset File: D:\ELAN\Dataset\2003\March\030328\062090-003ADUP.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: 062090-003ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	70175	2.3			ug/L	%
	Ge	72	132759	118199	0.5			ug/L	%
[>	**Sc-1**	45	585608	602728	0.8			ug/L	%
[	**Cr**	52	6457	26002	0.3	**2.052**	0.030	ug/L	1.5 %
	In	115	1118182	944572	0.6			ug/L	%
	Tb	159	1333099	1165438	0.4			ug/L	%
	Sc	45	585608	602728	0.8			ug/L	%

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Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 14:16:30
Dataset File: D:\ELAN\Dataset\2003\March\030328\CCV.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: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	72624	1.0			ug/L	%
	Ge	72	132759	115160	0.5			ug/L	%
>	**Sc-1**	45	585608	542528	0.2			ug/L	%
	Cr	52	6457	85998	1.1	**9.423**	0.104	ug/L	1.1 %
	In	115	1118182	919246	0.9			ug/L	%
	Tb	159	1333099	1136080	1.8			ug/L	%
	Sc	45	585608	542528	0.2			ug/L	%

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Quantitative Analysis Summary

Sample Date/Time: Friday, March 28, 2003 14:19:04
Dataset File: D:\ELAN\Dataset\2003\March\030328\CCB.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: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	72939	1.6			ug/L	%
	Ge	72	132759	114986	0.8			ug/L	%
>	**Sc-1**	45	585608	546816	0.5			ug/L	%
	Cr	52	6457	7902	1.2	**0.219**	0.007	ug/L	3.3 %
	In	115	1118182	915743	0.5			ug/L	%
	Tb	159	1333099	1135881	0.5			ug/L	%
	Sc	45	585608	546816	0.5			ug/L	%

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