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- > R 26259							
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 - LCS1	MST030114E	MST020320F	10ppm	5
	- ICW/CCW @ 50	F	MST030114E	1ppm	2.5
	ICPMS - 200	G	MST030114A	1ppm	10 ml
	- 100	H	G	200ppb	25
	- 50	I	H	100ppb	10
	ICPMS - ICW/CCW @ 100	J	MST030114E	1ppm	5
1-15-03	ICPMS - STD1	MST030115A	MST021216B MST021216D	1000 ppm 10ppm	0.05 5
	- 20	B	MST030115A	1ppm	1
	- 10	C	B	20ppb	25
	- 5	D	C	10ppb	25 } NS
	- 0.5	E	D	5ppb	5 }
	ICPMS - LCS1	F	MST020320F MST020320G	10ppm 1000ppm	5 0.05
	- ICW/CCW	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
			MST020208I Ce		0.5

1138

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 high purity High Purity		NS
	50	1ppm	DI H_2O + 2% HNO_3	4-20-03	Inorganic	Fe	NS
	50	200ppb					
	50	100ppb					
10	20	50ppb					
	50	1ppm			Inorganic		
	50	100ppb					
	50	1ppm	DI H_2O + 2% HNO_3	4-22-03	Inorganic		NS
	50	20ppb					
15	50	10ppb					
	20	5ppb					
	20	0.5ppb					
	50	1ppm			Inorganic		
	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
	1 - 0.5	E	D	5 ppb	5
	ICPMS - LCS1	F	MST030320F MST020320G	10 ppm 1000 ppm	5 0.05
	1 - 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
	1 - 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					
		0.5ppb					
		1 ppm			High Purity		
		10ppb					
10							
15							
20							

0454

* Check working std versus all manufacturer's

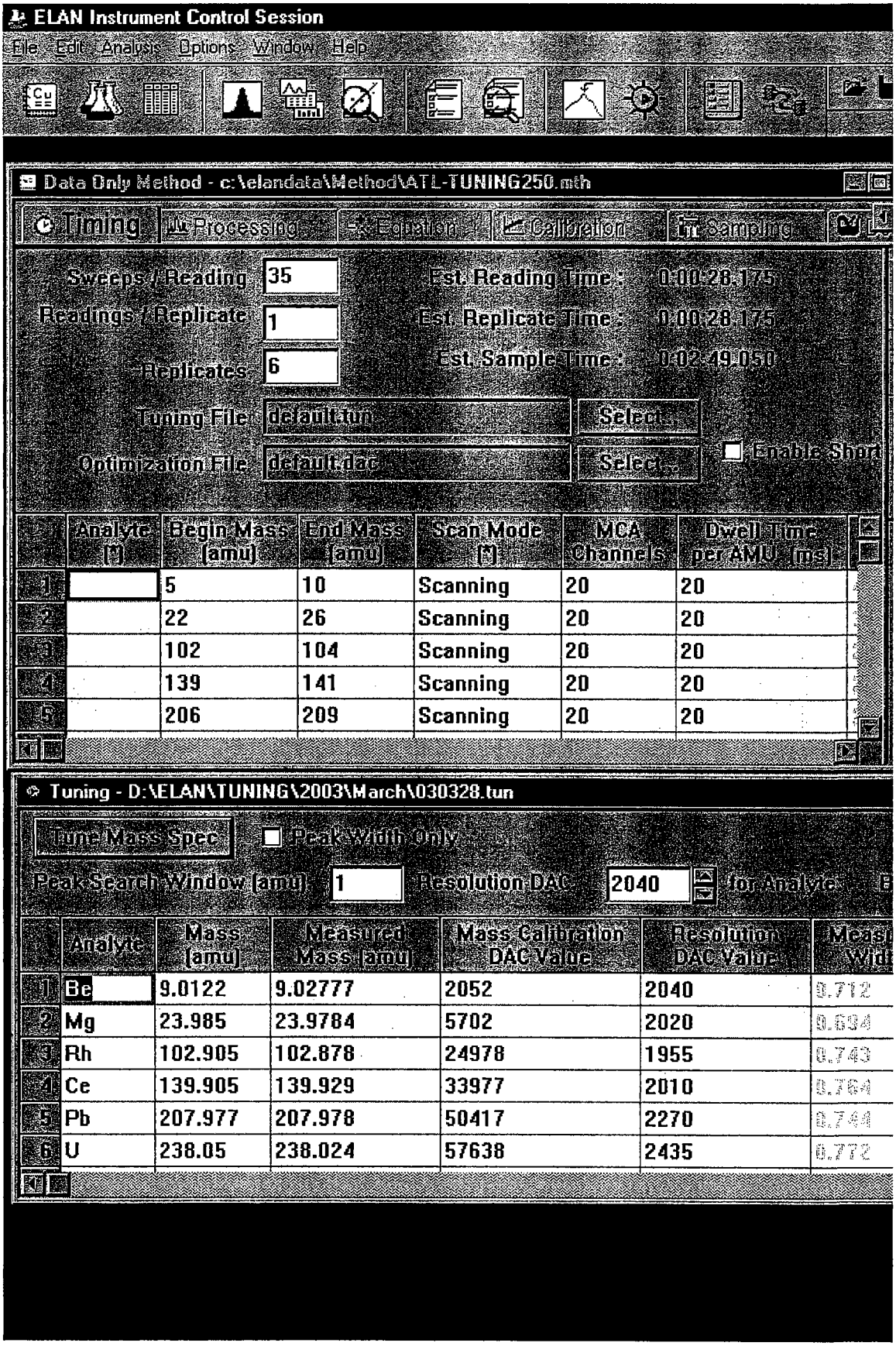
Method Detection Limits

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
1 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
1 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	%

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

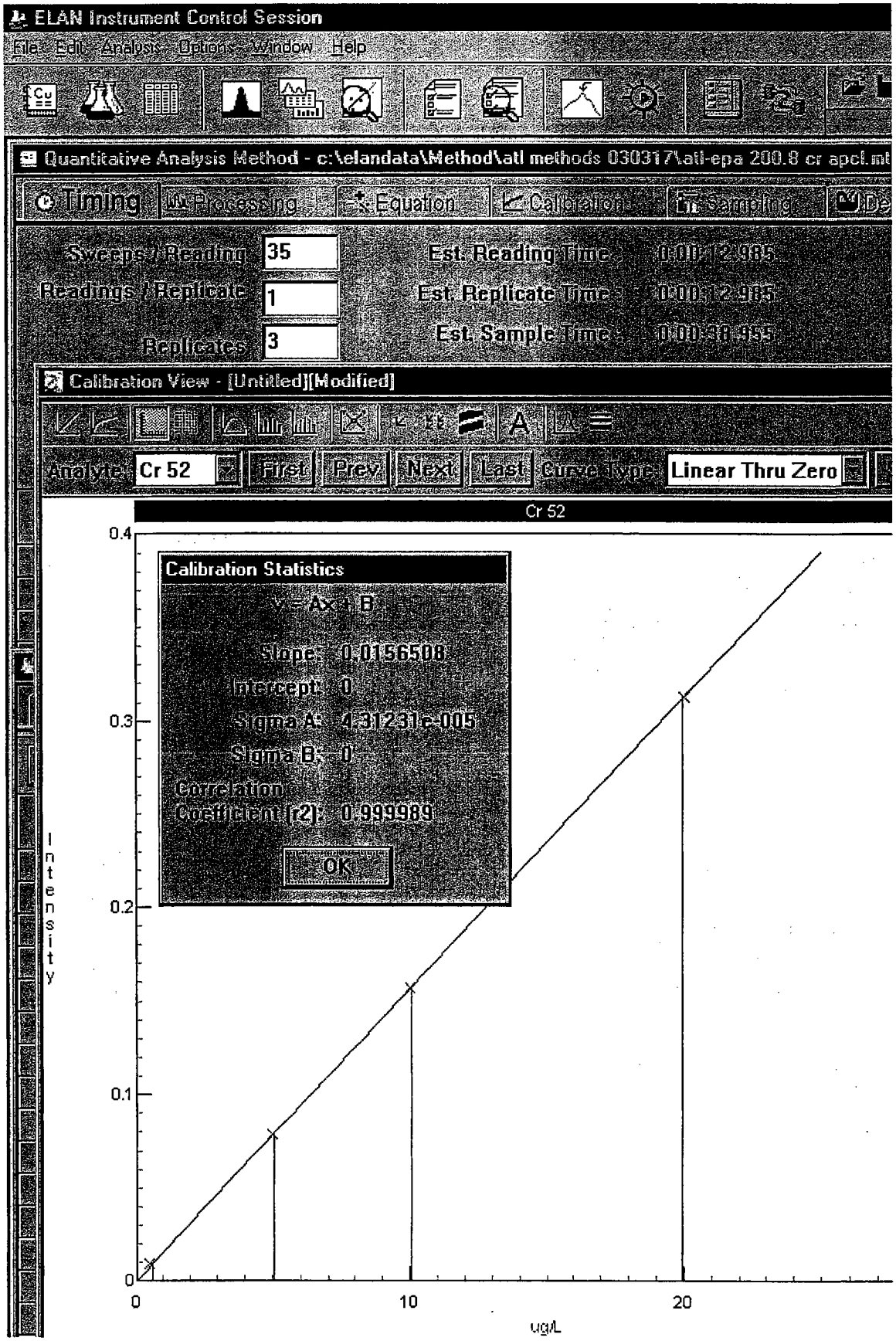
	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	64755	64899	2.6			ug/L	%
	Ge	72	132759	126995	0.4			ug/L	%
>	**Sc-1**	45	585608	572536	1.3			ug/L	%
	Cr	52	6457	96636	0.6	**10.081**	0.115	ug/L	1.1 %
	In	115	1118182	1063371	0.5			ug/L	%
	Tb	159	1333099	1288325	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
Quantitative Analysis Method - c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mt
Timing
Processing
Equation
Calibration
Sampling
Sweeps / Reading 35
Readings / Replicate 1
Replicates 3
Est. Reading Time 0:00:12.985
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	%

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	%

069

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	%

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	%

071

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	%

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	%

103

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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