Applied P & Ch Laboratories
Project: #4458, JPL

ATL Work Order: 064235

Advanced Technology Laboratories

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

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ATL Work Order: 064234

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

CLIENT: Applied P & Ch Laboratories
Project: #4558, JPL
Lab Order: 064235

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

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

Rachelle

From: Kenny Chan [Kennyc@apclab.com]
Sent: Tuesday, August 19, 2003 10:05 AM
To: 'Rachelle'
Subject: RE: Project #3861, #4445, #4558

Rachelle,
Yes please. They want the report to reflect the edds.
Also
do you know if Myphoung was able to set up the new edd I sent over last time? Tahnk you.

Kenny

-----Original Message-----
From: Rachelle [mailto:Rachelle@ATLGlobal.com]
Sent: Tuesday, August 19, 2003 9:41 AM
To: Kenny Chan (E-mail)
Subject: Project #3861, #4445, #4558

Hi Kenny,
I just want to know if you want the results for the above projects J-flagged. Please advise.
Thanks,
Rachelle Arada
3275 Walnut Avenue
Signal Hill, CA 90807
phone: (562) 989-4045 ext. 237
fax: (562) 989-4040
www.atlglobal.com

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Subcontract Chain of Custody

Please Print in pen Page 1 of 2

Subcontract Lab: ATL Contact: Ruri Tel #: (562) 989-4045 Fax #: (562) 989-4040
Address: 3275 Walnut Ave City: Signal Hill State: CA Zip code: 90807
APCL Client: #4558 APCL Contact: Kenny Chen
Project Name/Code JPL Job #
BILL TO APCL Sub Quotation #
Due Date: ☒ regular ☐ rush: ___ days ___ hours Sampled by: J. Robinson

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	Analysis Items: Cr by 200.8	Remarks
MW-18-4		8/4/03	0830	W	HNO3	1	X	
MW-18-3			0851					
MW-18-2			0917					
EB-4-8-03			0840					
MW-4-3			1010					
MW-4-2			1031			2		←MS/MSD
MW-4-1			1104			1		
Dupe-3-3Q03			1129					
MW-23-4		8/6/03	0726					
MW-23-3			0748					Level 4 pkg + EDD
MW-23-2			0809					
MW-23-1			0824					
EB-5-8-03			0741					
MW-14-4			0926					
MW-14-3			0950					

White – With report
Yellow – Lab copy
Pink – Originator

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ___ (E, C or D); ☒ Other _____ (Please specify)

Sample Disposal: ☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____ Temperature: ☐ Room ☐ Cold (____°C).

Relinquished by _____ Date/Time 8/11/03 / 1700 Received by John Flippin Date/Time 8/12/03 1300

Relinquished by John Flippin Date/Time 8/12/03 1445 Received by _____ Date/Time 8/12/03 / 2:15 4.5C

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

APCL Form 4-101 Ver. 4.0 Jan. 15, 2003

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Subcontract Chain of Custody

Please Print in pen Page 2 of 2

Subcontract Lab: ATL Contact: Ravi Tel #: (562) 989-4045 Fax #: (562) 989-4040
Address: 3275 Walnut Ave City: Signal Hill State: CA Zip code: 90807
APCL Client: #4558 APCL Contact: Kenny Chan
Project Name/Code JPL Job #
BILL TO APCL Sub Quotation #
Due Date: ☒ regular ☐ rush: ___ days ___ hours Sampled by: J. Robinson

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	Cr by 2008	Remarks
MW-14-2		8/6/03	1041	W	HNO_3	2	X	MS/MSD
MW-14-1			1123			1		
Dupe-4-3Q03			1018					
MW-11-4	KC							
MW-11-3		8/7/03	0743 KC	0006				Level 4 pkg
MW-11-2			0824					+ EDD
MW-11-1			0844					
MW-24-4			0947					
MW-24-3			1003					
MW-24-2			1047					
MW-24-1			1052					

White – With report
Yellow – Lab copy
Pink – Originator

Analysis Items

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ___ (E, C or D); ☒ Other _____ (Please specify)

Sample Disposal: ☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date. If not specified, samples will be discarded 45 days after samples are received.

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____ Temperature: ☐ Room ☐ Cold (___ °C).

Relinquished by _____ Date/Time 8/11/03 / 1700 Received by John Flippin Date/Time 8/12/03 1300

Relinquished by John Flippin Date/Time 8/12/03 1445 Received by _____ Date/Time 8/13/03 / 0852

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT: Applied P & Ch Laboratories
Project: #4558, JPL
Lab Order: 064235
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
064235-001A	MW-18-4	Water	8/4/2003	8/12/2003	8/19/2003
064235-002A	MW-18-3	Water	8/4/2003	8/12/2003	8/19/2003
064235-003A	MW-18-2	Water	8/4/2003	8/12/2003	8/19/2003
064235-004A	EB-4-8-03	Water	8/4/2003	8/12/2003	8/19/2003
064235-005A	MW-4-3	Water	8/4/2003	8/12/2003	8/19/2003
064235-006A	MW-4-2	Water	8/4/2003	8/12/2003	8/19/2003
064235-007A	MW-4-1	Water	8/4/2003	8/12/2003	8/19/2003
064235-008A	Dupe-3-3Q03	Water	8/4/2003	8/12/2003	8/19/2003
064235-009A	MW-23-4	Water	8/6/2003	8/12/2003	8/19/2003
064235-010A	MW-23-3	Water	8/6/2003	8/12/2003	8/19/2003
064235-011A	MW-23-2	Water	8/6/2003	8/12/2003	8/19/2003
064235-012A	MW-23-1	Water	8/6/2003	8/12/2003	8/19/2003
064235-013A	EB-5-8-6-03	Water	8/6/2003	8/12/2003	8/19/2003
064235-014A	MW-14-4	Water	8/6/2003	8/12/2003	8/19/2003
064235-015A	MW-14-3	Water	8/6/2003	8/12/2003	8/19/2003
064235-016A	MW-14-2	Water	8/6/2003	8/12/2003	8/19/2003
064235-017A	MW-14-1	Water	8/6/2003	8/12/2003	8/19/2003
064235-018A	Dupe-4-3-Q03	Water	8/6/2003	8/12/2003	8/19/2003
064235-019A	MW-11-3	Water	8/7/2003	8/12/2003	8/19/2003
064235-020A	MW-11-2	Water	8/7/2003	8/12/2003	8/19/2003
064235-021A	MW-11-1	Water	8/7/2003	8/12/2003	8/19/2003
064235-022A	MW-24-4	Water	8/7/2003	8/12/2003	8/19/2003
064235-023A	MW-24-3	Water	8/7/2003	8/12/2003	8/19/2003
064235-024A	MW-24-2	Water	8/7/2003	8/12/2003	8/19/2003
064235-025A	MW-24-1	Water	8/7/2003	8/12/2003	8/19/2003

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-18-4
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/4/2003 8:30:00 AM
Lab ID:	064235-001A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	2.7		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-18-3
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/4/2003 8:51:00 AM
Lab ID:	064235-002A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	5.9		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-18-2
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/4/2003 9:12:00 AM
Lab ID:	064235-003A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	2.1		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
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- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	EB-4-8-03
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/4/2003 8:40:00 AM
Lab ID:	064235-004A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	ND		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-4-3
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/4/2003 10:10:00 AM
Lab ID:	064235-005A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**	**(EPA 200.8)**		Analyst: **NS**	
RunID: ICP4_030814B	QC Batch: 14733			PrepDate: 8/13/2003			
Chromium	0.4	J	0.11	1.0	µg/L	1	8/14/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-4-2
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/4/2003 10:31:00 AM
Lab ID:	064235-006A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	5.2		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-4-1
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/4/2003 11:04:00 AM
Lab ID:	064235-007A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B QC Batch: R30052				PrepDate:			
Chromium	2.7		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	Dupe-3-3Q03
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/4/2003 11:29:00 AM
Lab ID:	064235-008A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052		PrepDate:				
Chromium	2.5		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-23-4
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 7:26:00 AM
Lab ID:	064235-009A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	2.6		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-23-3
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 7:48:00 AM
Lab ID:	064235-010A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052		PrepDate:				
Chromium	3.5		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-23-2
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 8:09:00 AM
Lab ID:	064235-011A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	3.9		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-23-1
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 8:24:00 AM
Lab ID:	064235-012A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	4.2		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	EB-5-8-6-03
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 7:41:00 AM
Lab ID:	064235-013A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	ND		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
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- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-14-4
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 9:26:00 AM
Lab ID:	064235-014A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	1.6		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

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- J - Analyte detected below quantitation limits
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- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-14-3
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 9:50:00 AM
Lab ID:	064235-015A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	3.6		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
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- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-14-2
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 10:41:00 AM
Lab ID:	064235-016A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813C	QC Batch: R30053			PrepDate:			
Chromium	1.9		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-14-1
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 11:23:00 AM
Lab ID:	064235-017A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	3.9		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	Dupe-4-3-Q03
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/6/2003 10:18:00 AM
Lab ID:	064235-018A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	3.4		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-11-3
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/7/2003 8:06:00 AM
Lab ID:	064235-019A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	2.3		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-11-2
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/7/2003 8:24:00 AM
Lab ID:	064235-020A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	1.5		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-11-1
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/7/2003 8:44:00 AM
Lab ID:	064235-021A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B	QC Batch: R30052			PrepDate:			
Chromium	2.0		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-4
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/7/2003 9:47:00 AM
Lab ID:	064235-022A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813B QC Batch: R30052				PrepDate:			
Chromium	0.7	J	0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-3
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/7/2003 10:03:00 AM
Lab ID:	064235-023A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813C	QC Batch: R30053			PrepDate:			
Chromium	1.3		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-2
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/7/2003 10:47:00 AM
Lab ID:	064235-024A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813C	QC Batch: R30053			PrepDate:			
Chromium	2.0		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT:	Applied P & Ch Laboratories	**Client Sample ID:**	MW-24-1
Lab Order:	064235	**Tag Number:**	
Project:	#4558, JPL	**Collection Date:**	8/7/2003 10:52:00 AM
Lab ID:	064235-025A	**Matrix:**	WATER

Analyte	Result	Qual	MDL	PQL	Units	DF	Date Analyzed
ICP-MS METALS			**EPA 200.8**				Analyst: **NS**
RunID: ICP4_030813C	QC Batch: R30053			PrepDate:			
Chromium	3.0		0.11	1.0	µg/L	1	8/13/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H-Samples exceed holding time

Results are wet unless otherwise specified

Advanced Technology Laboratories

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

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

Advanced Technology Laboratories

Date: *19-Aug-03*

CLIENT: Applied P & Ch Laboratories
Work Order: 064235
Project: #4558, JPL

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: MB-R30052	SampType: MBLK	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813B
Client ID: ZZZZZ	Batch ID: R30052	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450978

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	1.0									

Sample ID: MB-R30053	SampType: MBLK	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813C
Client ID: ZZZZZ	Batch ID: R30053	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450989

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	1.0									

Sample ID: MB-14733	SampType: MBLK	TestCode: 200.8_W	Units: µg/L	Prep Date: 8/13/2003	Run ID: ICP4_030814B
Client ID: ZZZZZ	Batch ID: 14733	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/14/2003	SeqNo: 451574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.1512	0.50									J

Sample ID: LCS-R30052	SampType: LCS	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813B
Client ID: ZZZZZ	Batch ID: R30052	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450977

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.561	1.0	10	0	95.6	85	115	0	0		

Sample ID: LCS-R30053	SampType: LCS	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813C
Client ID: ZZZZZ	Batch ID: R30053	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450988

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.573	1.0	10	0	95.7	85	115	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

0034

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

CLIENT: Applied P & Ch Laboratories
Work Order: 064235
Project: #4558, JPL

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: LCS-14733	SampType: LCS	TestCode: 200.8_W	Units: µg/L	Prep Date: 8/13/2003	Run ID: ICP4_030814B
Client ID: ZZZZZ	Batch ID: 14733	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/14/2003	SeqNo: 451573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.935	0.50	10	0	99.4	85	115	0	0		

Sample ID: 064235-006AMS	SampType: MS	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813B
Client ID: MW-4-2	Batch ID: R30052	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450960

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	12.36	2.0	10	5.194	71.7	80	120	0	0		S

Sample ID: 064235-016AMS	SampType: MS	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813C
Client ID: MW-14-2	Batch ID: R30053	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450983

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.99	1.0	10	1.899	80.9	80	120	0	0		

Sample ID: 064235-005AMS	SampType: MS	TestCode: 200.8_W	Units: µg/L	Prep Date: 8/13/2003	Run ID: ICP4_030814B
Client ID: MW-4-3	Batch ID: 14733	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/14/2003	SeqNo: 451576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.978	1.0	10	0.355	96.2	80	120	0	0		

Sample ID: 064235-006AMSD	SampType: MSD	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813B
Client ID: MW-4-2	Batch ID: R30052	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450961

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	12.4	2.0	10	5.194	72	80	120	12.36	0.307	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

0035

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

CLIENT: Applied P & Ch Laboratories
Work Order: 064235
Project: #4558, JPL

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: 064235-016AMSD	SampType: MSD	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813C
Client ID: MW-14-2	Batch ID: R30053	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450984

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.994	1.0	10	1.899	81	80	120	9.99	0.0400	20	

Sample ID: 064235-005AMSD	SampType: MSD	TestCode: 200.8_W	Units: µg/L	Prep Date: 8/13/2003	Run ID: ICP4_030814B
Client ID: MW-4-3	Batch ID: 14733	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/14/2003	SeqNo: 451577

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.826	1.0	10	0.355	94.7	80	120	9.978	1.53	20	

Sample ID: 064235-006ADUP	SampType: DUP	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813B
Client ID: MW-4-2	Batch ID: R30052	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450979

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	5.261	1.0	0	0	0	0	0	5.194	1.28	30	

Sample ID: 064235-022ADUP	SampType: DUP	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813B
Client ID: MW-24-4	Batch ID: R30052	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450980

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.724	1.0	0	0	0	0	0	0.74	0	30	J

Sample ID: 064235-016ADUP	SampType: DUP	TestCode: 200.8_W	Units: µg/L	Prep Date:	Run ID: ICP4_030813C
Client ID: MW-14-2	Batch ID: R30053	TestNo: EPA 200.8		Analysis Date: 8/13/2003	SeqNo: 450990

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.792	1.0	0	0	0	0	0	1.899	5.80	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

0036

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

CLIENT: Applied P & Ch Laboratories
Work Order: 064235
Project: #4558, JPL

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: 064235-005ADUP	SampType: DUP	TestCode: 200.8_W	Units: µg/L	Prep Date: 8/13/2003	Run ID: ICP4_030814B
Client ID: MW-4-3	Batch ID: 14733	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 8/14/2003	SeqNo: 451575

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.3462	1.0	0	0	0	0	0	0.355	0	30	J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

0037

Advanced Technology Laboratories

Date: 19-Aug-03

Test Code: 200.8_W
Test Number: EPA 200.8
Test Name: ICPMS METALS
Matrix: Aqueous **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Updated: 13-Feb-03

Type	Analyte	MDL	PQL
A	Aluminum	1.66	10
A	Antimony	0.0309	0.5
A	Arsenic	0.0309	1
A	Barium	0.0638	1
A	Beryllium	0.0349	0.5
A	Cadmium	0.0319	0.5
A	Calcium	10.5	50
A	Chromium	0.111	0.5
A	Cobalt	0.0353	0.5
A	Copper	0.0785	1
A	Iron	4.73	10
A	Lead	0.134	1
A	Magnesium	7.09	50
A	Manganese	0.216	1
A	Mercury	0.467	1
A	Molybdenum	0.0409	0.5
A	Nickel	0.0711	1
A	Potassium	8.66	50
A	Selenium	0.188	0.5
A	Silver	0.0377	0.5
A	Sodium	9.70	50
A	Thallium	0.0304	0.5
A	Tin	5.00	10
A	Vanadium	0.0606	1
A	Zinc	3.34	10

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

Method 200.8

Sample/Batch Report

User Name: Nancy
Computer Name: ICPMS PE 6100
Sample File: D:\ELAN\Sample\2003\August\081303.sam
Report Date/Time: Wednesday, August 13, 2003 16:23:58

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 > R300151							
10		LCS							
11		064234-001A							
12		064234-002A							
13		064234-003A							
14		064234-004A							
15		064234-005A							
16		064234-006A							
17		064234-007A							
18		064234-008A							
7		CCV							
8		CCB							
19		064234-009A							
20		064234-010A							
21		064234-010ADUP							
22		064234-011A							
23		064234-012A							
24		064234-013A							
25		064234-014A							
26		064234-014ADUP							
27		064234-014AMS							
28		064234-014AMSD							
7		CCV							
8		CCB							
29		064234-015A							
30		064234-016A							
31		064234-017A							
32		064234-018A							
33		064234-019A							
7		CCV							
8		CCB							
34		MB- > R300152							
35		LCS-							
36		064235-001A							
37		064235-002A							
38		064235-003A							
39		064235-004A							
40		064235-006A							
41		064235-006ADUP							
42		064235-006AMS							
43		064235-006AMSD							
7		CCV							
8		CCB							
44		064235-007A							
45		064235-008A							
46		064235-009A							
47		064235-010A							

CAL: MTO30813 H/20
I/10
J/5
K/0.5

IW/CCV: MTO30813M

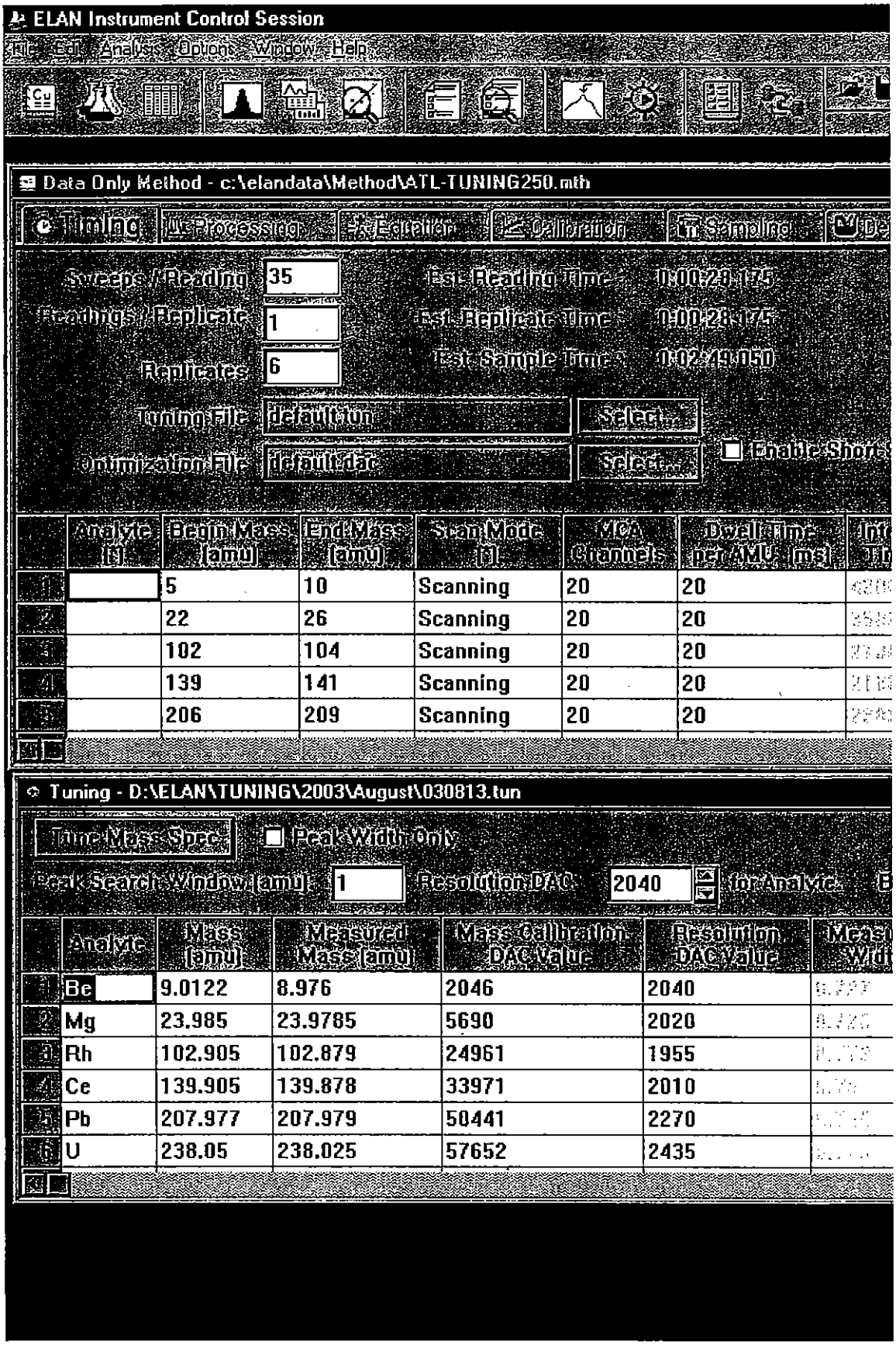
LCS: MTO30813L

MS/MD: MTO30813G

ICP4
MS, 8/13/03

0040

48	064235-011A
49	064235-012A
50	064235-013A
51	064235-014A
52	064235-015A
53	064235-017A
7	CCV
8	CCB
54	064235-018A
55	064235-019A
56	064235-020A
57	064235-021A
58	064235-022A
59	064235-022ADUP
7	CCV
8	CCB
60	MB- > R30053
61	LCS-
62	064235-016A
63	064235-016ADUP
64	064235-016AMS
65	064235-016AMSD
66	064235-023A
67	064235-024A
68	064235-025A
7	CCV
8	CCB
69	064235-006AMSD
70	064235-006AMS 2X
71	064235-006AMSD 2X
7	CCV
8	CCB


ELAN Instrument Control Session
File Edit Analyst 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 (I) | Begin Mass (amu) | End Mass (amu) | Scan Mode (I) | 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\August\030813.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
1 Be 9.0122 8.976 2046 2040
2 Mg 23.985 23.9785 5690 2020
3 Rh 102.905 102.879 24961 1955
4 Ce 139.905 139.878 33971 2010
5 Pb 207.977 207.979 50441 2270
6 U 238.05 238.025 57652 2435

Instrument Tuning Report

File Name: 030813.tun
File Path: D:\ELAN\TUNING\2003\August

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Be	9.012	8.976	2046	2040	0.727	
Mg	23.985	23.979	5690	2020	0.726	
Rh	102.905	102.879	24961	1955	0.772	
Ce	139.905	139.878	33971	2010	0.787	
Pb	207.977	207.979	50441	2270	0.756	
U	238.050	238.025	57652	2435	0.770	

Daily Performance Report

Sample ID: 030813-daily
Sample Date/Time: Wednesday, August 13, 2003 12:03:12
Sample Description:
Method File: c:\elandata\Method\Daily.mth
Dataset File: d:\elan\daily performance\2003\august\030813-daily.009
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse
Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	64316.1	64316.059	418.219	0.7
	Rh	102.9	212269.0	212268.959	1793.626	0.8
	In	114.9	269583.1	269583.075	2872.000	1.1
	Pb	208.0	101219.1	101219.064	1672.944	1.7
⌈>	Ba	137.9	199027.9	199027.860	2714.614	1.4
⌊	Ba++	69.0	4649.0	0.023	0.000	0.8
⌈>	Ce	139.9	243147.3	243147.305	2781.064	1.1
⌊	CeO	155.9	7245.1	0.030	0.000	1.0
	Bkgd	220.0	5.2	5.167	0.943	18.2

Current Optimization File Data

Current Value	Description
0.86	Nebulizer Gas Flow
6.00	Lens Voltage
1100.00	ICP RF Power
-1875.00	Analog Stage Voltage
2000.00	Pulse Stage Voltage
85.00	Discriminator Threshold
-1.50	AC Rod Offset
60.00	Service DAC 1
0.00	Quadrupole Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	9	6.0	5741.8
Co	59	9	6.5	101484.9
In	115	9	7.0	218284.7

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 12:46:30
Dataset File: D:\ELAN\Dataset\2003\August\081303\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		139893	0.5			ug/L	%
	Ge	72		130073	0.5			ug/L	%
>	**Sc-1**	45		583761	0.5			ug/L	%
	Cr	52		9324	2.0			ug/L	%
	In	115		1182963	0.6			ug/L	%
	Tb	159		1290637	1.1			ug/L	%
	Sc	45		583761	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 12:48:59
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	140715	0.9			ug/L	%
	Ge	72	130073	132314	1.0			ug/L	%
>	**Sc-1**	45	583761	589315	0.2			ug/L	%
	Cr	52	9324	15965	0.6	**0.500**	0.009	ug/L	1.8 %
	In	115	1182963	1204942	0.5			ug/L	%
	Tb	159	1290637	1320341	1.4			ug/L	%
	Sc	45	583761	589315	0.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 12:51:43
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	141987	0.3			ug/L	%
	Ge	72	130073	131945	0.5			ug/L	%
>	**Sc-1**	45	583761	595976	0.5			ug/L	%
	Cr	52	9324	57027	0.8	**4.981**	0.045	ug/L	0.9 %
	In	115	1182963	1200853	0.7			ug/L	%
	Tb	159	1290637	1329180	1.3			ug/L	%
	Sc	45	583761	595976	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 12:54:29
Dataset File: D:\ELAN\Dataset\2003\August\081303\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

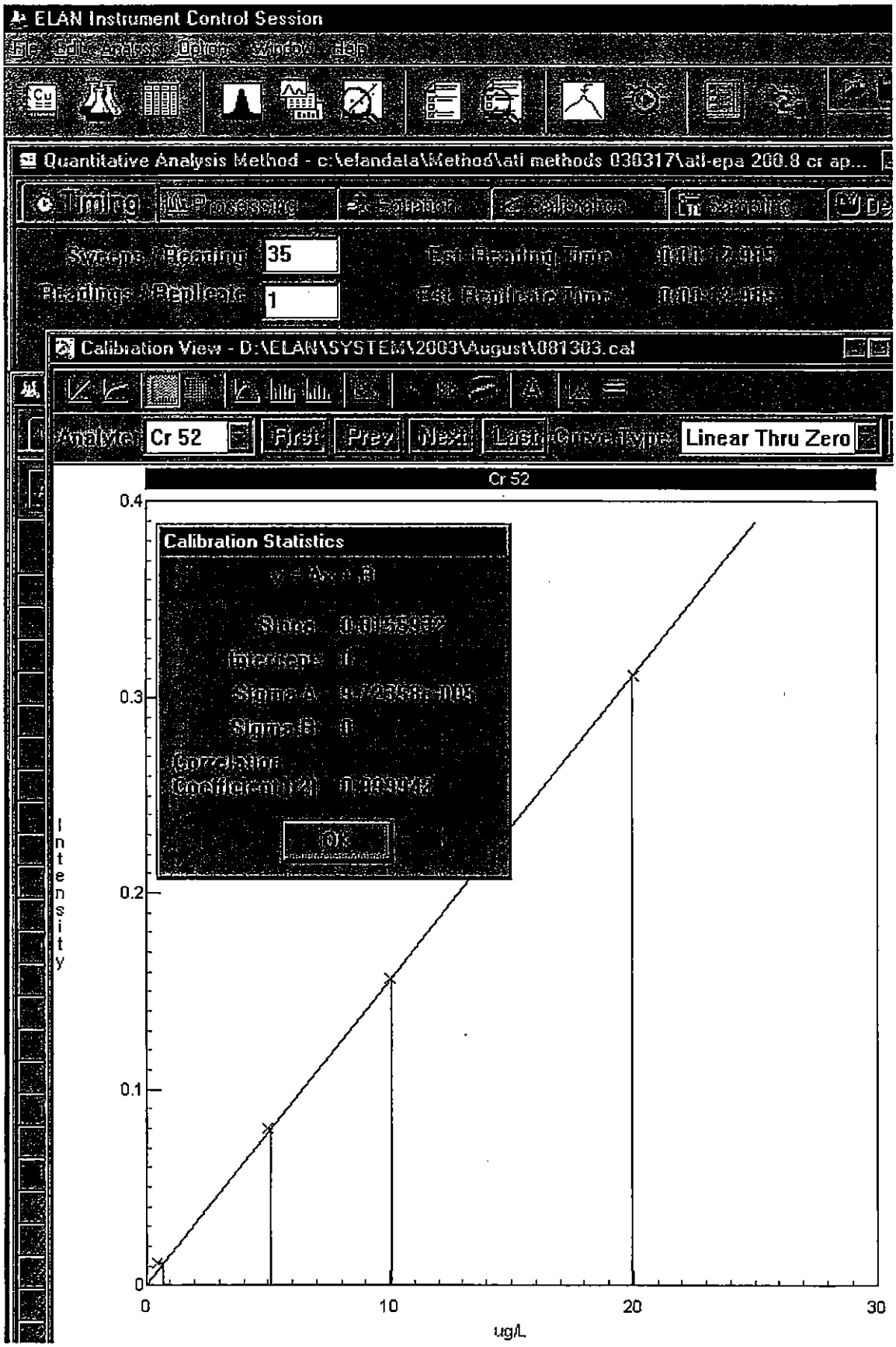
	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	140026	0.9			ug/L	%
	Ge	72	130073	130392	0.5			ug/L	%
>	**Sc-1**	45	583761	584576	1.0			ug/L	%
	Cr	52	9324	100767	0.9	**9.953**	0.051	ug/L	0.5 %
	In	115	1182963	1198973	1.4			ug/L	%
	Tb	159	1290637	1308854	0.7			ug/L	%
	Sc	45	583761	584576	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 12:57:16
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	141562	0.9			ug/L	%
	Ge	72	130073	130333	1.4			ug/L	%
>	**Sc-1**	45	583761	585727	0.6			ug/L	%
	Cr	52	9324	191573	0.1	**19.951**	0.121	ug/L	0.6 %
	In	115	1182963	1197170	1.3			ug/L	%
	Tb	159	1290637	1307883	0.5			ug/L	%
	Sc	45	583761	585727	0.6			ug/L	%


ELAN Instrument Control Session
Quantitative Analysis Method - c:\elandata\Method\ati methods 030317\ati-epa 200.8 cr ap...
Timing
Processing
Sweeps / Reading 35
Readings / Replicate 1
Calibration View - D:\ELAN\SYSTEM\2003\August\081303.cal
Analyte Cr 52
First
Prev
Next
Last
Curve Type Linear Thru Zero
Cr 52
Calibration Statistics
Slope
Intercept
Sigma A
Sigma B
Correlation Coefficient (r)
OK
Intensity
0.4
0.3
0.2
0.1
0
0
10
20
30
ug/L

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:00:04
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	139028	1.6			ug/L	%
	Ge	72	130073	130100	1.5			ug/L	%
>	**Sc-1**	45	583761	585616	1.4			ug/L	%
	Cr	52	9324	99853	0.9	**9.911**	0.083	ug/L	0.8 %
	In	115	1182963	1186335	1.8			ug/L	%
	Tb	159	1290637	1309122	1.6			ug/L	%
	Sc	45	583761	585616	1.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:02:35
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	139819	1.8			ug/L	%
	Ge	72	130073	129669	0.9			ug/L	%
>	**Sc-1**	45	583761	584295	1.3			ug/L	%
	Cr	52	9324	10258	0.9	**0.102**	0.006	ug/L	5.9 %
	In	115	1182963	1188846	0.6			ug/L	%
	Tb	159	1290637	1299568	1.1			ug/L	%
	Sc	45	583761	584295	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:07:22
Dataset File: D:\ELAN\Dataset\2003\August\081303\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 - R30057 AS 8-13-03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	138249	0.3			ug/L	%
	Ge	72	130073	128576	0.8			ug/L	%
>	**Sc-1**	45	583761	579250	0.9			ug/L	%
	Cr	52	9324	10288	0.2	**0.115**	0.011	ug/L	9.6 %
	In	115	1182963	1178717	0.7			ug/L	%
	Tb	159	1290637	1296486	0.6			ug/L	%
	Sc	45	583761	579250	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:09:50
Dataset File: D:\ELAN\Dataset\2003\August\081303\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 - IL 30051 NS 8-13-03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	140394	1.1			ug/L	%
	Ge	72	130073	129940	0.2			ug/L	%
>	**Sc-1**	45	583761	579846	0.3			ug/L	%
	Cr	52	9324	99461	0.3	**9.976**	0.061	ug/L	0.6 %
	In	115	1182963	1182728	0.5			ug/L	%
	Tb	159	1290637	1287060	0.3			ug/L	%
	Sc	45	583761	579846	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:14:14
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-001A.010
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064234-001A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	141067	1.3			ug/L	%
	Ge	72	130073	132491	0.9			ug/L	%
>	**Sc-1**	45	583761	703103	0.7			ug/L	%
	Cr	52	9324	43545	2.3	**2.947**	0.081	ug/L	2.7 %
	In	115	1182963	1177958	0.8			ug/L	%
	Tb	159	1290637	1299142	1.3			ug/L	%
	Sc	45	583761	703103	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:16:43
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-002A.011
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064234-002A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	139361	0.9			ug/L	%
	Ge	72	130073	125545	0.2			ug/L	%
>	**Sc-1**	45	583761	668646	1.4			ug/L	%
	Cr	52	9324	52353	0.3	**3.997**	0.059	ug/L	1.5 %
	In	115	1182963	1131688	0.4			ug/L	%
	Tb	159	1290637	1253191	0.5			ug/L	%
	Sc	45	583761	668646	1.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:19:12
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-003A.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: 064234-003A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	137522	0.6			ug/L	%
	Ge	72	130073	119361	0.9			ug/L	%
>	**Sc-1**	45	583761	651279	0.5			ug/L	%
	Cr	52	9324	47668	0.7	**3.669**	0.022	ug/L	0.6 %
	In	115	1182963	1080590	0.9			ug/L	%
	Tb	159	1290637	1208498	0.8			ug/L	%
	Sc	45	583761	651279	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:21:42
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-004A.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: 064234-004A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	139234	0.5			ug/L	%
	Ge	72	130073	115085	0.3			ug/L	%
>	**Sc-1**	45	583761	632763	0.3			ug/L	%
	Cr	52	9324	52795	1.3	**4.326**	0.060	ug/L	1.4 %
	In	115	1182963	1057815	0.6			ug/L	%
	Tb	159	1290637	1176152	0.8			ug/L	%
	Sc	45	583761	632763	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:24:13
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-005A.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: 064234-005A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Ll	7	139893	135816	0.6			ug/L	%
	Ge	72	130073	111927	0.5			ug/L	%
[>	**Sc-1**	45	583761	653270	0.4			ug/L	%
[	**Cr**	52	9324	49093	1.2	**3.795**	0.072	ug/L	1.9 %
	In	115	1182963	1027607	0.8			ug/L	%
	Tb	159	1290637	1160962	1.2			ug/L	%
	Sc	45	583761	653270	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:26:44
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-006A.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: 064234-006A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	135803	0.2			ug/L	%
	Ge	72	130073	111792	0.5			ug/L	%
>	**Sc-1**	45	583761	504940	0.5			ug/L	%
	Cr	52	9324	6695	3.9	**-0.174**	0.031	ug/L	17.8 %
	In	115	1182963	1036676	0.4			ug/L	%
	Tb	159	1290637	1172998	0.2			ug/L	%
	Sc	45	583761	504940	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:29:15
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-007A.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: 064234-007A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	143659	0.6			ug/L	%
	Ge	72	130073	118797	1.1			ug/L	%
>	**Sc-1**	45	583761	580156	0.6			ug/L	%
	Cr	52	9324	25930	1.4	**1.842**	0.032	ug/L	1.7 %
	In	115	1182963	1072872	0.9			ug/L	%
	Tb	159	1290637	1206247	1.3			ug/L	%
	Sc	45	583761	580156	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:31:47
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-008A.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: 064234-008A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	142540	0.4			ug/L	%
	Ge	72	130073	119413	0.7			ug/L	%
>	**Sc-1**	45	583761	592207	0.3			ug/L	%
	Cr	52	9324	27664	0.2	**1.971**	0.012	ug/L	0.6 %
	In	115	1182963	1085109	1.3			ug/L	%
	Tb	159	1290637	1215068	1.2			ug/L	%
	Sc	45	583761	592207	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:34:20
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	135018	1.2			ug/L	%
	Ge	72	130073	110158	1.1			ug/L	%
>	**Sc-1**	45	583761	504124	0.4			ug/L	%
	Cr	52	9324	83312	1.3	**9.574**	0.090	ug/L	0.9 %
	In	115	1182963	1037419	1.0			ug/L	%
	Tb	159	1290637	1171884	1.2			ug/L	%
	Sc	45	583761	504124	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:36:55
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	134960	1.2			ug/L	%
	Ge	72	130073	109521	0.5			ug/L	%
>	**Sc-1**	45	583761	506761	1.2			ug/L	%
	Cr	52	9324	8807	2.8	**0.090**	0.028	ug/L	30.7 %
	In	115	1182963	1027094	0.9			ug/L	%
	Tb	159	1290637	1163535	1.2			ug/L	%
	Sc	45	583761	506761	1.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:39:28
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-009A.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: 064234-009A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	140782	0.8			ug/L	%
	Ge	72	130073	117565	0.5			ug/L	%
>	**Sc-1**	45	583761	594323	0.6			ug/L	%
	Cr	52	9324	31607	1.0	**2.387**	0.057	ug/L	2.4 %
	In	115	1182963	1073303	1.2			ug/L	%
	Tb	159	1290637	1191978	0.9			ug/L	%
	Sc	45	583761	594323	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:42:01
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-010A.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: 064234-010A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	146914	1.1			ug/L	%
	Ge	72	130073	118509	0.2			ug/L	%
[>	**Sc-1**	45	583761	599088	0.6			ug/L	%
[	**Cr**	52	9324	27493	0.9	**1.919**	0.033	ug/L	1.7 %
	In	115	1182963	1073873	1.7			ug/L	%
	Tb	159	1290637	1201834	0.5			ug/L	%
	Sc	45	583761	599088	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:44:35
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-010ADUP.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: 064234-010ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	147581	1.0			ug/L	%
	Ge	72	130073	119669	1.8			ug/L	%
>	**Sc-1**	45	583761	600922	0.3			ug/L	%
	Cr	52	9324	26753	1.6	**1.831**	0.055	ug/L	3.0 %
	In	115	1182963	1083698	1.2			ug/L	%
	Tb	159	1290637	1206225	1.2			ug/L	%
	Sc	45	583761	600922	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:47:09
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-011A.023
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064234-011A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	140635	0.4			ug/L	%
	Ge	72	130073	118583	0.7			ug/L	%
[>	**Sc-1**	45	583761	617068	0.4			ug/L	%
[	**Cr**	52	9324	47879	0.5	**3.952**	0.025	ug/L	0.6 %
	In	115	1182963	1078365	0.9			ug/L	%
	Tb	159	1290637	1197148	0.5			ug/L	%
	Sc	45	583761	617068	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:49:43
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-012A.024
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064234-012A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	139090	1.2			ug/L	%
	Ge	72	130073	115831	0.5			ug/L	%
>	**Sc-1**	45	583761	593110	0.9			ug/L	%
	Cr	52	9324	33438	1.7	**2.592**	0.082	ug/L	3.2 %
	In	115	1182963	1062478	1.0			ug/L	%
	Tb	159	1290637	1179977	0.8			ug/L	%
	Sc	45	583761	593110	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:52:14
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-013A.025
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064234-013A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	151441	1.7			ug/L	%
	Ge	72	130073	118404	2.8			ug/L	%
>	**Sc-1**	45	583761	605949	2.0			ug/L	%
	Cr	52	9324	24736	1.2	**1.594**	0.040	ug/L	2.5 %
	In	115	1182963	1078408	3.3			ug/L	%
	Tb	159	1290637	1210128	3.1			ug/L	%
	Sc	45	583761	605949	2.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:54:41
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-014A.026
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064234-014A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	138193	4.4			ug/L	%
	Ge	72	130073	117405	2.2			ug/L	%
>	**Sc-1**	45	583761	589081	3.4			ug/L	%
	Cr	52	9324	26821	2.4	**1.896**	0.030	ug/L	1.6 %
	In	115	1182963	1068388	3.4			ug/L	%
	Tb	159	1290637	1197019	3.3			ug/L	%
	Sc	45	583761	589081	3.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:57:09
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-014ADUP.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: 064234-014ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Ll	7	139893	144272	1.0			ug/L	%
	Ge	72	130073	119260	0.2			ug/L	%
>	**Sc-1**	45	583761	598526	1.0			ug/L	%
	Cr	52	9324	29018	1.0	**2.085**	0.055	ug/L	2.6 %
	In	115	1182963	1087340	0.6			ug/L	%
	Tb	159	1290637	1226658	1.6			ug/L	%
	Sc	45	583761	598526	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 13:59:37
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-014AMS.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: 064234-014AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Ll	7	139893	149025	3.0			ug/L	%
	Ge	72	130073	123485	2.7			ug/L	%
>	**Sc-1**	45	583761	624163	3.7			ug/L	%
	Cr	52	9324	106187	2.7	**9.889**	0.119	ug/L	1.2 %
	In	115	1182963	1137746	3.5			ug/L	%
	Tb	159	1290637	1270212	4.1			ug/L	%
	Sc	45	583761	624163	3.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:04:37
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	152993	0.6			ug/L	%
	Ge	72	130073	118586	1.6			ug/L	%
[>	**Sc-1**	45	583761	552318	1.2			ug/L	%
[	**Cr**	52	9324	90001	2.0	**9.425**	0.100	ug/L	1.1 %
	In	115	1182963	1136346	1.2			ug/L	%
	Tb	159	1290637	1289819	0.9			ug/L	%
	Sc	45	583761	552318	1.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:07:12
Dataset File: D:\ELAN\Dataset\2003\August\081303\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	139893	152440	0.7			ug/L	%
	Ge	72	130073	118772	0.4			ug/L	%
>	**Sc-1**	45	583761	550597	1.3			ug/L	%
	Cr	52	9324	8883	3.2	**0.010**	0.021	ug/L	208.1 %
	In	115	1182963	1150730	0.6			ug/L	%
	Tb	159	1290637	1300946	1.0			ug/L	%
	Sc	45	583761	550597	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:09:44
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-015A.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: 064234-015A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	160601	0.1			ug/L	%
	Ge	72	130073	125837	1.2			ug/L	%
>	**Sc-1**	45	583761	658142	0.7			ug/L	%
	Cr	52	9324	51976	1.5	**4.041**	0.096	ug/L	2.4 %
	In	115	1182963	1189643	1.6			ug/L	%
	Tb	159	1290637	1321119	0.7			ug/L	%
	Sc	45	583761	658142	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:12:14
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-016A.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: 064234-016A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	160576	1.1			ug/L	%
	Ge	72	130073	129615	1.1			ug/L	%
>	**Sc-1**	45	583761	696586	1.0			ug/L	%
	Cr	52	9324	27292	0.8	**1.489**	0.045	ug/L	3.0 %
	In	115	1182963	1223615	0.8			ug/L	%
	Tb	159	1290637	1363293	1.1			ug/L	%
	Sc	45	583761	696586	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:14:44
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-017A.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: 064234-017A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	151959	3.6			ug/L	%
	Ge	72	130073	122754	3.8			ug/L	%
>	**Sc-1**	45	583761	635411	3.8			ug/L	%
	Cr	52	9324	27775	3.0	**1.780**	0.026	ug/L	1.4 %
	In	115	1182963	1153071	4.6			ug/L	%
	Tb	159	1290637	1300839	4.3			ug/L	%
	Sc	45	583761	635411	3.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:17:15
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-018A.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: 064234-018A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	152991	1.0			ug/L	%
	Ge	72	130073	120993	1.7			ug/L	%
>	**Sc-1**	45	583761	621749	1.5			ug/L	%
	Cr	52	9324	48425	1.0	**3.971**	0.089	ug/L	2.2 %
	In	115	1182963	1125616	3.0			ug/L	%
	Tb	159	1290637	1264841	1.6			ug/L	%
	Sc	45	583761	621749	1.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:19:46
Dataset File: D:\ELAN\Dataset\2003\August\081303\064234-019A.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: 064234-019A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	145687	2.8			ug/L	%
	Ge	72	130073	116201	2.8			ug/L	%
>	**Sc-1**	45	583761	531833	1.9			ug/L	%
	Cr	52	9324	9790	5.6	**0.157**	0.082	ug/L	52.2 %
	In	115	1182963	1096884	3.2			ug/L	%
	Tb	159	1290637	1231737	1.9			ug/L	%
	Sc	45	583761	531833	1.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:22:19
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCV.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: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	138192	0.7			ug/L	%
	Ge	72	130073	108559	0.4			ug/L	%
>	**Sc-1**	45	583761	501927	0.5			ug/L	%
	Cr	52	9324	81817	0.8	**9.429**	0.053	ug/L	0.6 %
	In	115	1182963	1027622	0.2			ug/L	%
	Tb	159	1290637	1162107	1.5			ug/L	%
	Sc	45	583761	501927	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:24:53
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCB.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: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	139113	0.5			ug/L	%
	Ge	72	130073	111207	1.2			ug/L	%
>	**Sc-1**	45	583761	512600	0.4			ug/L	%
	Cr	52	9324	8417	3.7	**0.029**	0.035	ug/L	122.2 %
	In	115	1182963	1049463	1.4			ug/L	%
	Tb	159	1290637	1194268	1.1			ug/L	%
	Sc	45	583761	512600	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:27:27
Dataset File: D:\ELAN\Dataset\2003\August\081303\MB-.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: MB- R300521 MS 8-13-03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	141584	0.9			ug/L	%
	Ge	72	130073	111558	0.6			ug/L	%
>	**Sc-1**	45	583761	517868	1.0			ug/L	%
	Cr	52	9324	8622	3.0	**0.043**	0.022	ug/L	51.1 %
	In	115	1182963	1056210	1.5			ug/L	%
	Tb	159	1290637	1196362	0.9			ug/L	%
	Sc	45	583761	517868	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:29:59
Dataset File: D:\ELAN\Dataset\2003\August\081303\LCS-.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: LCS- IL30052 AS 8-13-03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	142988	0.7			ug/L	%
	Ge	72	130073	113618	0.7			ug/L	%
[>	**Sc-1**	45	583761	522277	1.4			ug/L	%
[	**Cr**	52	9324	86199	0.9	**9.561**	0.080	ug/L	0.8 %
	In	115	1182963	1081868	0.4			ug/L	%
	Tb	159	1290637	1215069	1.4			ug/L	%
	Sc	45	583761	522277	1.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:32:32
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-001A.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: 064235-001A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	144677	0.6			ug/L	%
	Ge	72	130073	119021	1.0			ug/L	%
>	**Sc-1**	45	583761	604783	0.6			ug/L	%
	Cr	52	9324	34931	0.7	**2.680**	0.031	ug/L	1.2 %
	In	115	1182963	1093276	0.6			ug/L	%
	Tb	159	1290637	1212124	0.4			ug/L	%
	Sc	45	583761	604783	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:35:05
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-002A.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: 064235-002A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	138223	0.4			ug/L	%
	Ge	72	130073	114009	1.0			ug/L	%
>	**Sc-1**	45	583761	579725	0.9			ug/L	%
	Cr	52	9324	62548	1.3	**5.895**	0.053	ug/L	0.9 %
	In	115	1182963	1050667	0.9			ug/L	%
	Tb	159	1290637	1176551	0.6			ug/L	%
	Sc	45	583761	579725	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:37:38
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-003A.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: 064235-003A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	141845	1.4			ug/L	%
	Ge	72	130073	115835	1.7			ug/L	%
>	**Sc-1**	45	583761	595171	1.9			ug/L	%
	Cr	52	9324	28622	0.5	**2.060**	0.048	ug/L	2.4 %
	In	115	1182963	1066641	2.2			ug/L	%
	Tb	159	1290637	1191716	1.8			ug/L	%
	Sc	45	583761	595171	1.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:40:12
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-004A.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: 064235-004A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	142257	0.7			ug/L	%
	Ge	72	130073	114821	1.3			ug/L	%
>	**Sc-1**	45	583761	526518	1.1			ug/L	%
	Cr	52	9324	6073	1.8	**-0.285**	0.011	ug/L	3.7 %
	In	115	1182963	1074109	0.4			ug/L	%
	Tb	159	1290637	1204089	1.1			ug/L	%
	Sc	45	583761	526518	1.1			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:42:43
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-006A.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: 064235-006A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	143846	3.1			ug/L	%
	Ge	72	130073	114064	3.3			ug/L	%
>	**Sc-1**	45	583761	643481	3.8			ug/L	%
	Cr	52	9324	62361	1.9	**5.194**	0.114	ug/L	2.2 %
	In	115	1182963	1062738	3.8			ug/L	%
	Tb	159	1290637	1196297	3.7			ug/L	%
	Sc	45	583761	643481	3.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:45:10
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-006ADUP.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: 064235-006ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	144262	0.7			ug/L	%
	Ge	72	130073	113110	1.1			ug/L	%
>	**Sc-1**	45	583761	636079	0.6			ug/L	%
	Cr	52	9324	62338	1.3	**5.261**	0.057	ug/L	1.1 %
	In	115	1182963	1054831	1.3			ug/L	%
	Tb	159	1290637	1191873	0.9			ug/L	%
	Sc	45	583761	636079	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:47:38
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-006AMS.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: 064235-006AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	147051	3.5			ug/L	%
	Ge	72	130073	115370	3.9			ug/L	%
[>	**Sc-1**	45	583761	651711	3.9			ug/L	%
[	**Cr**	52	9324	141715	3.9	**12.921**	0.068	ug/L	0.5 %
	In	115	1182963	1076532	3.0			ug/L	%
	Tb	159	1290637	1214027	4.2			ug/L	%
	Sc	45	583761	651711	3.9			ug/L	%

not reported

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:50:06
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-006AMSD.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: 064235-006AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	164133	1.7			ug/L	%
	Ge	72	130073	129197	2.7			ug/L	%
[>	**Sc-1**	45	583761	741207	3.0			ug/L	%
[	**Cr**	52	9324	156126	2.3	**12.486**	0.168	ug/L	1.3 %
	In	115	1182963	1232874	2.5			ug/L	%
	Tb	159	1290637	1396046	2.5			ug/L	%
	Sc	45	583761	741207	3.0			ug/L	%

not reported
for re-run

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:52:37
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCV.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: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	145057	1.3			ug/L	%
	Ge	72	130073	112190	1.6			ug/L	%
>	**Sc-1**	45	583761	522057	0.9			ug/L	%
	Cr	52	9324	85047	2.0	**9.423**	0.161	ug/L	1.7 %
	In	115	1182963	1074488	1.6			ug/L	%
	Tb	159	1290637	1231220	1.5			ug/L	%
	Sc	45	583761	522057	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:55:11
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCB.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: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	144361	1.3			ug/L	%
	Ge	72	130073	113902	0.5			ug/L	%
>	**Sc-1**	45	583761	526977	0.2			ug/L	%
	Cr	52	9324	8778	1.7	**0.044**	0.018	ug/L	40.1 %
	In	115	1182963	1089197	0.9			ug/L	%
	Tb	159	1290637	1241928	1.3			ug/L	%
	Sc	45	583761	526977	0.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 14:57:43
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-007A.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: 064235-007A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	149664	0.8			ug/L	%
	Ge	72	130073	122411	0.4			ug/L	%
>	**Sc-1**	45	583761	616353	1.0			ug/L	%
	Cr	52	9324	36050	1.8	**2.727**	0.094	ug/L	3.4 %
	In	115	1182963	1141919	0.3			ug/L	%
	Tb	159	1290637	1277792	0.2			ug/L	%
	Sc	45	583761	616353	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:00:12
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-008A.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: 064235-008A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	150546	0.5			ug/L	%
	Ge	72	130073	123408	0.4			ug/L	%
>	**Sc-1**	45	583761	621372	0.5			ug/L	%
	Cr	52	9324	34194	1.1	**2.505**	0.033	ug/L	1.3 %
	In	115	1182963	1147906	0.9			ug/L	%
	Tb	159	1290637	1291930	1.3			ug/L	%
	Sc	45	583761	621372	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:02:42
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-009A.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: 064235-009A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	156468	0.6			ug/L	%
	Ge	72	130073	126322	1.1			ug/L	%
>	**Sc-1**	45	583761	653371	0.3			ug/L	%
	Cr	52	9324	37185	0.6	**2.626**	0.015	ug/L	0.6 %
	In	115	1182963	1175347	0.8			ug/L	%
	Tb	159	1290637	1319302	0.8			ug/L	%
	Sc	45	583761	653371	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:05:12
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-010A.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: 064235-010A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	151045	0.8			ug/L	%
	Ge	72	130073	124498	0.6			ug/L	%
>	**Sc-1**	45	583761	657620	0.4			ug/L	%
	Cr	52	9324	46585	0.7	**3.519**	0.036	ug/L	1.0 %
	In	115	1182963	1148030	0.7			ug/L	%
	Tb	159	1290637	1288653	0.6			ug/L	%
	Sc	45	583761	657620	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:07:42
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-011A.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: 064235-011A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	147586	0.8			ug/L	%
	Ge	72	130073	121503	1.9			ug/L	%
>	**Sc-1**	45	583761	674989	0.3			ug/L	%
	Cr	52	9324	52090	1.4	**3.925**	0.061	ug/L	1.6 %
	In	115	1182963	1137003	1.4			ug/L	%
	Tb	159	1290637	1285295	1.7			ug/L	%
	Sc	45	583761	674989	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:10:13
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-012A.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: 064235-012A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	145724	3.2			ug/L	%
	Ge	72	130073	118295	3.4			ug/L	%
>	**Sc-1**	45	583761	668299	3.7			ug/L	%
	Cr	52	9324	54461	1.7	**4.205**	0.128	ug/L	3.0 %
	In	115	1182963	1101994	4.4			ug/L	%
	Tb	159	1290637	1254576	4.2			ug/L	%
	Sc	45	583761	668299	3.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:12:45
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-013A.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: 064235-013A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	141534	0.5			ug/L	%
	Ge	72	130073	113418	0.7			ug/L	%
>	**Sc-1**	45	583761	516263	0.7			ug/L	%
	Cr	52	9324	7701	2.4	**-0.068**	0.018	ug/L	27.1 %
	In	115	1182963	1061277	0.5			ug/L	%
	Tb	159	1290637	1194729	1.0			ug/L	%
	Sc	45	583761	516263	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:15:17
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-014A.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: 064235-014A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	145964	0.6			ug/L	%
	Ge	72	130073	117020	0.8			ug/L	%
>	**Sc-1**	45	583761	597822	0.7			ug/L	%
	Cr	52	9324	24263	0.4	**1.579**	0.020	ug/L	1.3 %
	In	115	1182963	1077077	0.5			ug/L	%
	Tb	159	1290637	1199264	1.0			ug/L	%
	Sc	45	583761	597822	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:17:49
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-015A.059
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-015A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	141126	1.1			ug/L	%
	Ge	72	130073	119091	1.0			ug/L	%
>	**Sc-1**	45	583761	631923	0.5			ug/L	%
	Cr	52	9324	45185	0.6	**3.561**	0.016	ug/L	0.5 %
	In	115	1182963	1094126	0.6			ug/L	%
	Tb	159	1290637	1223652	1.1			ug/L	%
	Sc	45	583761	631923	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:20:22
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-017A.060
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-017A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	135878	0.2			ug/L	%
	Ge	72	130073	114733	0.9			ug/L	%
>	**Sc-1**	45	583761	636476	0.9			ug/L	%
	Cr	52	9324	48993	0.3	**3.912**	0.053	ug/L	1.4 %
	In	115	1182963	1057468	1.1			ug/L	%
	Tb	159	1290637	1188553	0.5			ug/L	%
	Sc	45	583761	636476	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:22:55
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCV.061
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	152703	0.9			ug/L	%
	Ge	72	130073	120533	1.2			ug/L	%
[>	**Sc-1**	45	583761	555906	1.3			ug/L	%
[	**Cr**	52	9324	91231	2.3	**9.500**	0.101	ug/L	1.1 %
	In	115	1182963	1160142	1.3			ug/L	%
	Tb	159	1290637	1330669	0.4			ug/L	%
	Sc	45	583761	555906	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:25:30
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCB.062
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	152302	1.1			ug/L	%
	Ge	72	130073	122155	1.5			ug/L	%
>	**Sc-1**	45	583761	569518	0.7			ug/L	%
	Cr	52	9324	9200	3.4	**0.012**	0.033	ug/L	284.7 %
	In	115	1182963	1176725	1.3			ug/L	%
	Tb	159	1290637	1346753	1.0			ug/L	%
	Sc	45	583761	569518	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:28:04
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-018A.063
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-018A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	157606	0.6			ug/L	%
	Ge	72	130073	131753	0.6			ug/L	%
>	**Sc-1**	45	583761	716426	1.1			ug/L	%
	Cr	52	9324	49114	0.8	**3.372**	0.012	ug/L	0.4 %
	In	115	1182963	1245477	1.3			ug/L	%
	Tb	159	1290637	1382716	0.3			ug/L	%
	Sc	45	583761	716426	1.1			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:30:34
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-019A.064
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-019A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	156623	0.9			ug/L	%
	Ge	72	130073	134436	0.9			ug/L	%
>	**Sc-1**	45	583761	673548	1.6			ug/L	%
	Cr	52	9324	34594	0.9	**2.270**	0.048	ug/L	2.1 %
	In	115	1182963	1250582	0.8			ug/L	%
	Tb	159	1290637	1388831	1.9			ug/L	%
	Sc	45	583761	673548	1.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:33:01
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-020A.065
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-020A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	156999	0.5			ug/L	%
	Ge	72	130073	133467	1.1			ug/L	%
>	**Sc-1**	45	583761	673888	0.6			ug/L	%
	Cr	52	9324	26260	1.3	**1.475**	0.047	ug/L	3.2 %
	In	115	1182963	1251592	1.5			ug/L	%
	Tb	159	1290637	1404511	0.6			ug/L	%
	Sc	45	583761	673888	0.6			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:35:27
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-021A.066
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-021A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	159133	0.8			ug/L	%
	Ge	72	130073	132209	1.4			ug/L	%
>	**Sc-1**	45	583761	673867	1.0			ug/L	%
	Cr	52	9324	31857	1.3	**2.008**	0.052	ug/L	2.6 %
	In	115	1182963	1239268	0.8			ug/L	%
	Tb	159	1290637	1379591	2.0			ug/L	%
	Sc	45	583761	673867	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:37:55
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-022A.067
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-022A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	159703	0.7			ug/L	%
	Ge	72	130073	132324	1.3			ug/L	%
>	**Sc-1**	45	583761	648264	1.0			ug/L	%
	Cr	52	9324	17830	1.3	**0.740**	0.031	ug/L	4.2 %
	In	115	1182963	1231275	0.4			ug/L	%
	Tb	159	1290637	1376966	0.4			ug/L	%
	Sc	45	583761	648264	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:40:23
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-022ADUP.068
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-022ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	159200	0.3			ug/L	%
	Ge	72	130073	133502	1.1			ug/L	%
>	Sc-1	45	583761	649416	0.4			ug/L	%
	Cr	52	9324	17706	1.2	**0.724**	0.017	ug/L	2.3 %
	In	115	1182963	1232089	1.3			ug/L	%
	Tb	159	1290637	1381365	1.7			ug/L	%
	Sc	45	583761	649416	0.4			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:42:54
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCV.069
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCV
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	151376	0.9			ug/L	%
	Ge	72	130073	124080	0.6			ug/L	%
>	**Sc-1**	45	583761	573499	0.5			ug/L	%
	Cr	52	9324	92911	1.0	**9.366**	0.147	ug/L	1.6 %
	In	115	1182963	1193520	0.7			ug/L	%
	Tb	159	1290637	1348498	0.2			ug/L	%
	Sc	45	583761	573499	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:45:28
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCB.070
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	150132	0.5			ug/L	%
	Ge	72	130073	122624	1.3			ug/L	%
>	**Sc-1**	45	583761	566809	1.0			ug/L	%
	Cr	52	9324	8586	3.8	**-0.053**	0.029	ug/L	55.6 %
	In	115	1182963	1170714	0.7			ug/L	%
	Tb	159	1290637	1324818	1.3			ug/L	%
	Sc	45	583761	566809	1.0			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:48:00
Dataset File: D:\ELAN\Dataset\2003\August\081303\MB-.071
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: MB- L30053 NS 8-13-03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	149844	1.0			ug/L	%
	Ge	72	130073	122340	1.3			ug/L	%
>	**Sc-1**	45	583761	568321	1.1			ug/L	%
	Cr	52	9324	8974	4.0	**-0.012**	0.030	ug/L	248.3 %
	In	115	1182963	1171852	1.1			ug/L	%
	Tb	159	1290637	1328910	0.9			ug/L	%
	Sc	45	583761	568321	1.1			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:50:29
Dataset File: D:\ELAN\Dataset\2003\August\081303\LCS-.072
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: LCS- L300353 ICS 8-13-03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	153835	0.4			ug/L	%
	Ge	72	130073	124464	0.4			ug/L	%
>	**Sc-1**	45	583761	578104	0.7			ug/L	%
	Cr	52	9324	95523	0.3	**9.573**	0.105	ug/L	1.1 %
	In	115	1182963	1189395	1.6			ug/L	%
	Tb	159	1290637	1357275	0.1			ug/L	%
	Sc	45	583761	578104	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:52:58
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-016A.073
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-016A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	152709	1.5			ug/L	%
	Ge	72	130073	125569	1.3			ug/L	%
>	**Sc-1**	45	583761	695710	1.3			ug/L	%
	Cr	52	9324	31707	0.2	**1.899**	0.040	ug/L	2.1 %
	In	115	1182963	1166858	1.9			ug/L	%
	Tb	159	1290637	1340887	1.6			ug/L	%
	Sc	45	583761	695710	1.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:55:28
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-016ADUP.074
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-016ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	154155	0.3			ug/L	%
	Ge	72	130073	126546	1.6			ug/L	%
>	**Sc-1**	45	583761	700153	0.8			ug/L	%
	Cr	52	9324	30748	1.0	**1.792**	0.036	ug/L	2.0 %
	In	115	1182963	1191160	1.5			ug/L	%
	Tb	159	1290637	1354312	1.5			ug/L	%
	Sc	45	583761	700153	0.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 15:57:58
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-016AMS.075
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-016AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	155265	1.3			ug/L	%
	Ge	72	130073	127021	0.4			ug/L	%
[>	**Sc-1**	45	583761	697753	0.8			ug/L	%
L	**Cr**	52	9324	119840	1.1	**9.990**	0.054	ug/L	0.5 %
	In	115	1182963	1204981	0.5			ug/L	%
	Tb	159	1290637	1359529	0.8			ug/L	%
	Sc	45	583761	697753	0.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:00:29
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-016AMSD.076
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-016AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	157160	0.9			ug/L	%
	Ge	72	130073	129369	0.5			ug/L	%
>	**Sc-1**	45	583761	707181	0.9			ug/L	%
	Cr	52	9324	121496	0.2	**9.994**	0.087	ug/L	0.9 %
	In	115	1182963	1222064	0.9			ug/L	%
	Tb	159	1290637	1385070	0.8			ug/L	%
	Sc	45	583761	707181	0.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:03:00
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-023A.077
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-023A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	167332	0.6			ug/L	%
	Ge	72	130073	136241	0.9			ug/L	%
>	**Sc-1**	45	583761	715257	0.5			ug/L	%
	Cr	52	9324	26416	1.1	**1.344**	0.026	ug/L	1.9 %
	In	115	1182963	1270184	0.6			ug/L	%
	Tb	159	1290637	1428611	0.3			ug/L	%
	Sc	45	583761	715257	0.5			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:05:32
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-024A.078
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-024A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	168213	0.5			ug/L	%
	Ge	72	130073	139718	0.7			ug/L	%
[>	**Sc-1**	45	583761	725719	0.3			ug/L	%
[	**Cr**	52	9324	34056	1.0	**1.985**	0.027	ug/L	1.4 %
	In	115	1182963	1293440	0.7			ug/L	%
	Tb	159	1290637	1431524	0.7			ug/L	%
	Sc	45	583761	725719	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:08:04
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-025A.079
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-025A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	162356	1.2			ug/L	%
	Ge	72	130073	139027	0.4			ug/L	%
>	**Sc-1**	45	583761	719151	1.1			ug/L	%
	Cr	52	9324	45295	0.5	**3.015**	0.064	ug/L	2.1 %
	In	115	1182963	1306293	1.4			ug/L	%
	Tb	159	1290637	1444083	1.4			ug/L	%
	Sc	45	583761	719151	1.1			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:10:37
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCV.080
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	139893	156028	1.6			ug/L	%
	Ge	72	130073	130316	0.6			ug/L	%
>	**Sc-1**	45	583761	596146	0.7			ug/L	%
	Cr	52	9324	97710	0.6	**9.487**	0.065	ug/L	0.7 %
	In	115	1182963	1245094	2.0			ug/L	%
	Tb	159	1290637	1426391	1.7			ug/L	%
	Sc	45	583761	596146	0.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:13:12
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCB.081
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 cr apcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: CCB
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	157645	1.8			ug/L	%
	Ge	72	130073	131214	1.9			ug/L	%
[>	**Sc-1**	45	583761	606349	1.9			ug/L	%
[	**Cr**	52	9324	9494	3.9	**-0.020**	0.021	ug/L	101.5 %
	In	115	1182963	1258061	1.7			ug/L	%
	Tb	159	1290637	1430729	2.0			ug/L	%
	Sc	45	583761	606349	1.9			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:17:06
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-006AMSD.082
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: 064235-006AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	153615	4.2			ug/L	%
	Ge	72	130073	129830	3.8			ug/L	%
>	**Sc-1**	45	583761	735004	4.4			ug/L	%
	Cr	52	9324	161291	3.8	**13.051**	0.085	ug/L	0.7 %
	In	115	1182963	1219890	5.0			ug/L	%
	Tb	159	1290637	1373191	4.1			ug/L	%
	Sc	45	583761	735004	4.4			ug/L	%

not reported for µ-run

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:25:19
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-006AMS 2X.083
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: 064235-006AMS 2X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	155823	1.3			ug/L	%
	Ge	72	130073	133493	0.3			ug/L	%
>	**Sc-1**	45	583761	686389	0.3			ug/L	%
	Cr	52	9324	77102	1.1	**6.180**	0.097	ug/L	1.6 %
	In	115	1182963	1255476	0.7			ug/L	%
	Tb	159	1290637	1411743	0.3			ug/L	%
	Sc	45	583761	686389	0.3			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:28:31
Dataset File: D:\ELAN\Dataset\2003\August\081303\064235-006AMSD 2X.084
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: 064235-006AMSD 2X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
	Li	7	139893	153855	1.6			ug/L	%
	Ge	72	130073	133624	1.1			ug/L	%
>	**Sc-1**	45	583761	680361	1.7			ug/L	%
	Cr	52	9324	76629	1.6	**6.199**	0.097	ug/L	1.6 %
	In	115	1182963	1240445	1.1			ug/L	%
	Tb	159	1290637	1389316	1.4			ug/L	%
	Sc	45	583761	680361	1.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:31:01
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCV.085
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	139893	152323	0.8			ug/L	%
	Ge	72	130073	128407	1.2			ug/L	%
>	**Sc-1**	45	583761	590216	1.2			ug/L	%
	Cr	52	9324	95909	0.6	**9.398**	0.107	ug/L	1.1 %
	In	115	1182963	1228345	1.3			ug/L	%
	Tb	159	1290637	1386193	1.1			ug/L	%
	Sc	45	583761	590216	1.2			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Wednesday, August 13, 2003 16:33:35
Dataset File: D:\ELAN\Dataset\2003\August\081303\CCB.086
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
	Ll	7	139893	152525	0.5			ug/L	%
	Ge	72	130073	129638	1.3			ug/L	%
[>	**Sc-1**	45	583761	595393	0.9			ug/L	%
[	**Cr**	52	9324	9414	2.1	**-0.010**	0.014	ug/L	139.7 %
	In	115	1182963	1225397	1.7			ug/L	%
	Tb	159	1290637	1381476	2.2			ug/L	%
	Sc	45	583761	595393	0.9			ug/L	%

Sample/Batch Report

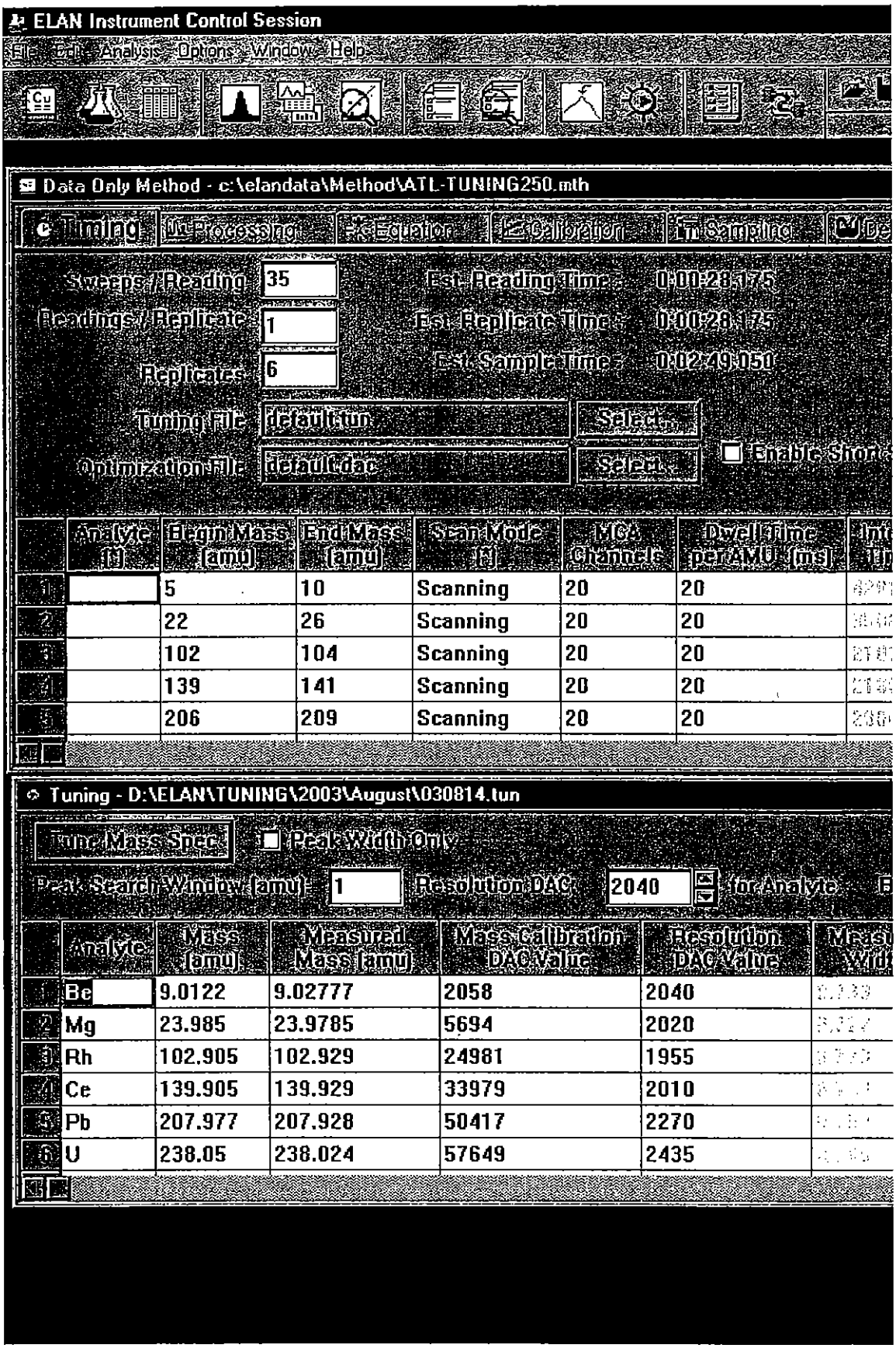
User Name: Nancy
Computer Name: ICPMS PE 6100
Sample File: D:\ELAN\Sample\2003\August\081403.sam
Report Date/Time: Thursday, August 14, 2003 15:38:07

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 7L30107 NS 8-15-03							
10		LCS							
11		064252-001A 5X							
12		064252-001A 10X							
13		064252-001AMS 10X							
14		064252-001AMSD 10X							
15		MB- 14733 NS 8-15-03							
16		LCS-							
17		064235-005A							
18		064235-005ADUP							
7		CCV							
8		CCB							
19		064235-005AMS							
20		064235-005AMSD							
21		MB-							
22		LCS-							
23		064259-001E							
24		064259-002E							
25		064259-001EMS							
26		064259-001EMSD							
27		064259-002E 2X							
28		064259-002E 5X							
7		CCV							
8		CCB							

CAL: MS030814 B/20
C
D/10
E/0.5
IW/CW: MS030814G
LCS: MS030814F
MS/MSD: MS030814A

ICP4
NS, 8/14/03

0132


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
Optimization File default.dac
Select...
Select...
Enable Short
Analyte [1]
Begin Mass [amu]
End Mass [amu]
Scan Mode [1]
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\August\030814.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
1 Be 9.0122 9.02777 2058 2040
2 Mg 23.985 23.9785 5694 2020
3 Rh 102.905 102.929 24981 1955
4 Ce 139.905 139.929 33979 2010
5 Pb 207.977 207.928 50417 2270
6 U 238.05 238.024 57649 2435

Instrument Tuning Report

File Name: 030814.tun
File Path: D:\ELAN\TUNING\2003\August

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Be	9.012	9.028	2058	2040	0.733	
Mg	23.985	23.979	5694	2020	0.722	
Rh	102.905	102.929	24981	1955	0.773	
Ce	139.905	139.929	33979	2010	0.783	
Pb	207.977	207.928	50417	2270	0.754	
U	238.050	238.024	57649	2435	0.760	

Daily Performance Report

Sample ID: 030814-daily
Sample Date/Time: Thursday, August 14, 2003 12:04:25
Sample Description:
Method File: c:\elandata\Method\Daily.mth
Dataset File: d:\elan\daily performance\2003\august\030814-daily.025
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	60384.2	60384.218	244.297	0.4
	Rh	102.9	221914.0	221914.001	1727.266	0.8
	In	114.9	284002.8	284002.770	1641.597	0.6
	Pb	208.0	125611.2	125611.206	1394.287	1.1
⌈>	Ba	137.9	233018.6	233018.646	2643.089	1.1
⌊	Ba++	69.0	6999.4	0.030	0.000	1.5
⌈>	Ce	139.9	282836.1	282836.142	2075.150	0.7
⌊	CeO	155.9	8611.7	0.030	0.001	2.0
	Bkgd	220.0	5.6	5.633	1.255	22.3

Current Optimization File Data

Current Value	Description
0.83	Nebulizer Gas Flow
6.00	Lens Voltage
1100.00	ICP RF Power
-1925.00	Analog Stage Voltage
2000.00	Pulse Stage Voltage
85.00	Discriminator Threshold
-1.50	AC Rod Offset
60.00	Service DAC 1
0.00	Quadrupole Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	9	6.0	6974.0
Co	59	9	6.5	119686.9
In	115	9	7.5	251733.9

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 12:53:35
Dataset File: D:\ELAN\Dataset\2003\August\081403\Blank.007
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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		150334	1.0			ug/L	%
	Be	9		3	13.3			ug/L	%
	B	10		128	8.7			ug/L	%
	B	11		610	7.0			ug/L	%
	Al	27		5542	0.8			ug/L	%
>	Sc-1	45		671409	2.2			ug/L	%
	V	51		-295	1160.3			ug/L	%
	Cr	52		11739	2.8			ug/L	%
	Cr	53		52471	4.7			ug/L	%
	Mn	55		3057	9.6			ug/L	%
	Co	59		956	2.3			ug/L	%
	Ni	60		14984	5.0			ug/L	%
	Ni	62		2423	1.5			ug/L	%
	Cu	63		849	1.8			ug/L	%
	Cu	65		761	1.1			ug/L	%
>	Ge	72		140364	0.5			ug/L	%
	As	75		-3091	21.3			ug/L	%
	Se	78		3811	1.2			ug/L	%
	Se	82		-22	67.6			ug/L	%
	Mo	94		200	3.0			ug/L	%
	Mo	97		332	2.0			ug/L	%
	Ag	107		421	1.2			ug/L	%
	Ag	109		413	8.5			ug/L	%
	Cd	111		110	9.5			ug/L	%
	Cd	114		208	2.9			ug/L	%
>	In	115		1213846	1.9			ug/L	%
	Sb	121		57	11.4			ug/L	%
	Sb	123		55	13.3			ug/L	%
	Ba	135		55	20.5			ug/L	%
	Ba	137		101	7.5			ug/L	%
>	Tb	159		1408670	0.4			ug/L	%
	Tl	203		514	13.7			ug/L	%
	Tl	205		1223	14.9			ug/L	%
	Pb	207		199	4.9			ug/L	%
	Pb	208		694	2.8			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 12:58:13
Dataset File: D:\ELAN\Dataset\2003\August\081403\Standard 1.008
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	148595	0.7			ug/L	%
	Be	9	3	410	6.8	0.500	0.032	ug/L	6.4 %
	B	10	128	233	4.0	0.500	0.050	ug/L	10.0 %
	B	11	610	1081	1.7	0.500	0.021	ug/L	4.3 %
	Al	27	5542	152963	1.4	0.500	0.007	ug/L	1.4 %
>	Sc-1	45	671409	663035	0.7			ug/L	%
	V	51	-295	4205	126.3	0.500	0.592	ug/L	118.5 %
	Cr	52	11739	16983	1.3	0.500	0.029	ug/L	5.7 %
	Cr	53	52471	53295	3.5	0.500	0.705	ug/L	141.1 %
	Mn	55	3057	13098	3.0	0.500	0.016	ug/L	3.3 %
	Co	59	956	6756	0.9	0.500	0.008	ug/L	1.5 %
	Ni	60	14984	16894	1.3	0.500	0.062	ug/L	12.5 %
	Ni	62	2423	2691	0.9	0.500	0.037	ug/L	7.4 %
	Cu	63	849	3533	0.8	0.500	0.005	ug/L	1.1 %
	Cu	65	761	2092	0.3	0.500	0.008	ug/L	1.6 %
>	Ge	72	140364	143166	0.3			ug/L	%
	As	75	-3091	-2466	19.4	0.500	0.354	ug/L	70.7 %
	Se	78	3811	4072	1.7	0.500	0.172	ug/L	34.4 %
	Se	82	-22	117	39.1	0.500	0.163	ug/L	32.6 %
	Mo	94	200	1041	3.9	0.500	0.028	ug/L	5.5 %
	Mo	97	332	1241	1.8	0.500	0.013	ug/L	2.6 %
	Ag	107	421	4675	2.2	0.500	0.013	ug/L	2.6 %
	Ag	109	413	4539	1.0	0.500	0.012	ug/L	2.3 %
	Cd	111	110	1184	3.2	0.500	0.012	ug/L	2.3 %
	Cd	114	208	2686	4.3	0.500	0.017	ug/L	3.5 %
>	In	115	1213846	1207018	1.2			ug/L	%
	Sb	121	57	3623	0.9	0.500	0.004	ug/L	0.9 %
	Sb	123	55	2780	1.7	0.500	0.008	ug/L	1.6 %
	Ba	135	55	971	4.2	0.500	0.021	ug/L	4.2 %
	Ba	137	101	1764	2.5	0.500	0.014	ug/L	2.9 %
>	Tb	159	1408670	1400293	0.3			ug/L	%
	Tl	203	514	3504	3.9	0.500	0.021	ug/L	4.1 %
	Tl	205	1223	8366	1.6	0.500	0.008	ug/L	1.6 %
	Pb	207	199	2584	1.6	0.500	0.007	ug/L	1.4 %
	Pb	208	694	11627	0.5	0.500	0.001	ug/L	0.3 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 13:03:06
Dataset File: D:\ELAN\Dataset\2003\August\081403\Standard 2.009
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	148614	2.9			ug/L	%
	Be	9	3	3855	1.3	4.997	0.081	ug/L	1.6 %
	B	10	128	1048	4.3	4.992	0.367	ug/L	7.4 %
	B	11	610	4867	4.9	4.994	0.379	ug/L	7.6 %
	Al	27	5542	299898	2.0	4.812	0.066	ug/L	1.4 %
>	Sc-1	45	671409	654718	0.7			ug/L	%
	V	51	-295	53181	1.6	5.009	0.113	ug/L	2.3 %
	Cr	52	11739	62910	1.0	4.998	0.061	ug/L	1.2 %
	Cr	53	52471	60154	1.4	4.969	0.241	ug/L	4.9 %
	Mn	55	3057	83499	1.9	4.988	0.088	ug/L	1.8 %
	Co	59	956	56873	0.9	4.999	0.077	ug/L	1.5 %
	Ni	60	14984	25541	2.0	4.956	0.309	ug/L	6.2 %
	Ni	62	2423	3965	2.0	4.959	0.335	ug/L	6.8 %
	Cu	63	849	26552	1.1	4.998	0.037	ug/L	0.7 %
	Cu	65	761	12970	1.0	4.996	0.019	ug/L	0.4 %
>	Ge	72	140364	139777	2.4			ug/L	%
	As	75	-3091	5968	3.3	5.013	0.050	ug/L	1.0 %
	Se	78	3811	5871	0.7	5.007	0.295	ug/L	5.9 %
	Se	82	-22	913	3.5	4.978	0.222	ug/L	4.5 %
	Mo	94	200	8377	1.9	4.999	0.070	ug/L	1.4 %
	Mo	97	332	9510	2.2	5.001	0.040	ug/L	0.8 %
	Ag	107	421	43310	2.4	5.001	0.082	ug/L	1.6 %
	Ag	109	413	41809	2.4	5.001	0.085	ug/L	1.7 %
	Cd	111	110	10739	1.0	5.000	0.061	ug/L	1.2 %
	Cd	114	208	24693	0.6	5.000	0.105	ug/L	2.1 %
>	In	115	1213846	1187416	1.5			ug/L	%
	Sb	121	57	34875	0.3	5.000	0.071	ug/L	1.4 %
	Sb	123	55	26403	0.9	4.999	0.076	ug/L	1.5 %
	Ba	135	55	8815	0.9	4.998	0.033	ug/L	0.7 %
	Ba	137	101	15583	2.5	4.997	0.094	ug/L	1.9 %
>	Tb	159	1408670	1384659	0.8			ug/L	%
	Tl	203	514	31201	3.2	5.002	0.137	ug/L	2.7 %
	Tl	205	1223	74993	2.8	5.002	0.140	ug/L	2.8 %
	Pb	207	199	22993	2.6	4.998	0.130	ug/L	2.6 %
	Pb	208	694	105451	2.2	4.998	0.123	ug/L	2.5 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 13:07:59
Dataset File: D:\ELAN\Dataset\2003\August\081403\Standard 3.010
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: Standard 3
Sample Type:

Summary

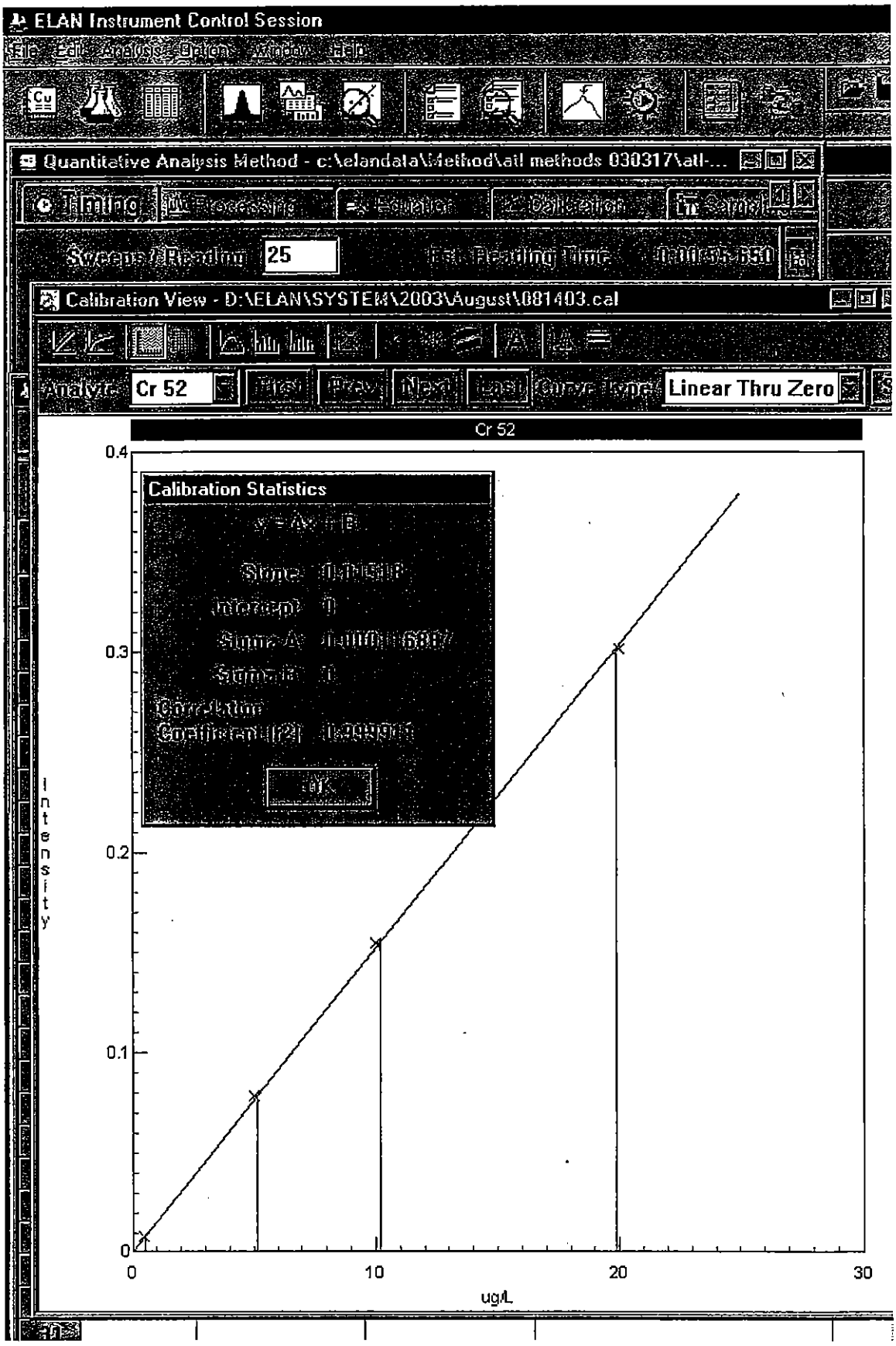
	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	152445	0.8			ug/L	%
	Be	9	3	7798	1.6	9.970	0.080	ug/L	0.8 %
	B	10	128	1996	3.9	9.969	0.355	ug/L	3.6 %
	B	11	610	9285	4.3	9.976	0.378	ug/L	3.8 %
	Al	27	5542	208470	0.6	7.081	0.051	ug/L	0.7 %
>	Sc-1	45	671409	661396	0.9			ug/L	%
	V	51	-295	110448	2.3	10.053	0.179	ug/L	1.8 %
	Cr	52	11739	113962	1.6	9.968	0.096	ug/L	1.0 %
	Cr	53	52471	65915	2.1	9.459	1.013	ug/L	10.7 %
	Mn	55	3057	162027	1.4	9.949	0.215	ug/L	2.2 %
	Co	59	956	112621	1.9	9.975	0.272	ug/L	2.7 %
	Ni	60	14984	35061	1.8	9.807	0.329	ug/L	3.4 %
	Ni	62	2423	5331	0.9	9.785	0.288	ug/L	2.9 %
	Cu	63	849	52885	1.3	10.002	0.214	ug/L	2.1 %
	Cu	65	761	25380	0.5	9.992	0.087	ug/L	0.9 %
>	Ge	72	140364	140858	0.3			ug/L	%
	As	75	-3091	14407	2.8	9.923	0.217	ug/L	2.2 %
	Se	78	3811	8158	1.3	10.071	0.282	ug/L	2.8 %
	Se	82	-22	1889	2.0	10.018	0.207	ug/L	2.1 %
	Mo	94	200	16967	1.6	10.024	0.328	ug/L	3.3 %
	Mo	97	332	18923	0.5	10.000	0.224	ug/L	2.2 %
	Ag	107	421	86863	1.4	9.990	0.305	ug/L	3.1 %
	Ag	109	413	82867	1.2	9.966	0.299	ug/L	3.0 %
	Cd	111	110	21401	0.6	9.977	0.183	ug/L	1.8 %
	Cd	114	208	49276	0.9	9.978	0.146	ug/L	1.5 %
>	In	115	1213846	1202825	1.8			ug/L	%
	Sb	121	57	69789	1.3	9.977	0.286	ug/L	2.9 %
	Sb	123	55	52705	1.5	9.972	0.327	ug/L	3.3 %
	Ba	135	55	17599	0.8	9.978	0.120	ug/L	1.2 %
	Ba	137	101	30885	1.0	9.962	0.062	ug/L	0.6 %
>	Tb	159	1408670	1401529	0.6			ug/L	%
	Tl	203	514	64159	0.8	10.049	0.050	ug/L	0.5 %
	Tl	205	1223	152472	3.6	10.026	0.377	ug/L	3.8 %
	Pb	207	199	46113	3.6	9.989	0.344	ug/L	3.4 %
	Pb	208	694	211225	2.8	9.984	0.262	ug/L	2.6 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 13:12:54
Dataset File: D:\ELAN\Dataset\2003\August\081403\Standard 4.011
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	150652	0.7			ug/L	%
	Be	9	3	15678	0.7	**20.068**	0.073	ug/L	0.4 %
	B	10	128	3808	5.2	**19.972**	0.963	ug/L	4.8 %
	B	11	610	17833	4.9	**20.014**	0.873	ug/L	4.4 %
	Al	27	5542	193442	1.6	**13.423**	0.239	ug/L	1.8 %
>	**Sc-1**	45	671409	662286	0.8			ug/L	%
	V	51	-295	218200	5.4	**19.953**	0.932	ug/L	4.7 %
	Cr	52	11739	211203	1.5	**19.855**	0.155	ug/L	0.8 %
	Cr	53	52471	77878	2.4	**19.296**	1.714	ug/L	8.9 %
	Mn	55	3057	312187	0.6	**19.833**	0.213	ug/L	1.1 %
	Co	59	956	223281	2.1	**19.959**	0.272	ug/L	1.4 %
	Ni	60	14984	54728	2.2	**19.821**	0.377	ug/L	1.9 %
	Ni	62	2423	8348	2.2	**19.944**	0.422	ug/L	2.1 %
	Cu	63	849	102440	0.2	**19.878**	0.166	ug/L	0.8 %
	Cu	65	761	48649	0.8	**19.855**	0.218	ug/L	1.1 %
>	**Ge**	72	140364	139914	2.1			ug/L	%
	As	75	-3091	31247	3.7	**19.899**	0.306	ug/L	1.5 %
	Se	78	3811	12424	2.7	**20.047**	1.348	ug/L	6.7 %
	Se	82	-22	3659	2.1	**19.863**	0.657	ug/L	3.3 %
	Mo	94	200	33248	0.5	**19.931**	0.460	ug/L	2.3 %
	Mo	97	332	37367	0.3	**19.971**	0.415	ug/L	2.1 %
	Ag	107	421	173731	1.1	**19.996**	0.207	ug/L	1.0 %
	Ag	109	413	164433	1.6	**19.948**	0.635	ug/L	3.2 %
	Cd	111	110	41791	0.4	**19.876**	0.273	ug/L	1.4 %
	Cd	114	208	97273	2.0	**19.926**	0.346	ug/L	1.7 %
>	**In**	115	1213846	1205307	1.8			ug/L	%
	Sb	121	57	137922	1.7	**19.924**	0.602	ug/L	3.0 %
	Sb	123	55	104521	2.0	**19.939**	0.717	ug/L	3.6 %
	Ba	135	55	34276	0.9	**19.980**	0.460	ug/L	2.3 %
	Ba	137	101	60723	0.8	**20.019**	0.377	ug/L	1.9 %
>	**Tb**	159	1408670	1369679	1.5			ug/L	%
	Tl	203	514	126293	1.1	**20.076**	0.089	ug/L	0.4 %
	Tl	205	1223	303578	0.4	**20.120**	0.328	ug/L	1.6 %
	Pb	207	199	91380	2.8	**20.070**	0.411	ug/L	2.0 %
	Pb	208	694	416849	2.2	**20.046**	0.240	ug/L	1.2 %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Sweeps/Reading
25
Calibration View - D:\ELAN\SYSTEM\2003\August\081403.cal
Analyte
Cr 52
Linear Thru Zero
Cr 52
Calibration Statistics
Slope
Intercept
Correlation Coefficient (r2)
OK
Intensity
ug/L
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0.1
0.2
0.3
0.4
0
10
20
30

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 13:17:50
Dataset File: D:\ELAN\Dataset\2003\August\081403\ICV.012
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	148929	2.0			ug/L	%
	Be	9	3	7888	1.6	**10.212**	0.106	ug/L	1.0 %
	B	10	128	2004	4.0	**10.310**	0.505	ug/L	4.9 %
	B	11	610	9446	1.7	**10.402**	0.411	ug/L	4.0 %
	Al	27	5542	188358	1.4	**12.828**	0.136	ug/L	1.1 %
>	Sc-1	45	671409	673903	0.8			ug/L	%
	V	51	-295	118658	1.7	**10.678**	0.137	ug/L	1.3 %
	Cr	52	11739	114906	1.6	**10.082**	0.241	ug/L	2.4 %
	Cr	53	52471	65675	2.0	**9.440**	0.795	ug/L	8.4 %
	Mn	55	3057	160672	0.6	**9.935**	0.035	ug/L	0.4 %
	Co	59	956	114200	0.8	**9.992**	0.156	ug/L	1.6 %
	Ni	60	14984	33150	0.4	**8.832**	0.168	ug/L	1.9 %
	Ni	62	2423	5128	1.0	**8.873**	0.209	ug/L	2.4 %
	Cu	63	849	52749	1.1	**9.978**	0.126	ug/L	1.3 %
	Cu	65	761	24911	1.1	**9.837**	0.068	ug/L	0.7 %
>	Ge	72	140364	140588	0.7			ug/L	%
	As	75	-3091	14541	4.1	**10.176**	0.297	ug/L	2.9 %
	Se	78	3811	8149	0.5	**10.010**	0.133	ug/L	1.3 %
	Se	82	-22	1916	1.5	**10.404**	0.141	ug/L	1.4 %
	Mo	94	200	16848	1.7	**10.154**	0.173	ug/L	1.7 %
	Mo	97	332	18706	0.9	**10.021**	0.120	ug/L	1.2 %
	Ag	107	421	87597	1.8	**10.174**	0.244	ug/L	2.4 %
	Ag	109	413	82716	0.9	**10.121**	0.063	ug/L	0.6 %
	Cd	111	110	21093	1.3	**10.119**	0.081	ug/L	0.8 %
	Cd	114	208	48527	1.1	**10.033**	0.081	ug/L	0.8 %
>	In	115	1213846	1191697	0.6			ug/L	%
	Sb	121	57	69545	1.3	**10.155**	0.197	ug/L	1.9 %
	Sb	123	55	52392	1.9	**10.100**	0.252	ug/L	2.5 %
	Ba	135	55	17474	1.9	**10.013**	0.037	ug/L	0.4 %
	Ba	137	101	30732	1.8	**9.961**	0.256	ug/L	2.6 %
>	Tb	159	1408670	1390915	1.9			ug/L	%
	Tl	203	514	64252	1.4	**10.018**	0.079	ug/L	0.8 %
	Tl	205	1223	152589	1.8	**9.917**	0.034	ug/L	0.3 %
	Pb	207	199	45511	2.1	**9.825**	0.332	ug/L	3.4 %
	Pb	208	694	210741	1.8	**9.967**	0.293	ug/L	2.9 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 13:22:30
Dataset File: D:\ELAN\Dataset\2003\August\081403\ICB.013
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	151532	2.5			ug/L	%
	Be	9	3	5	45.8	**0.002**	0.003	ug/L	133.2 %
	B	10	128	132	15.4	**0.018**	0.116	ug/L	636.3 %
	B	11	610	607	5.3	**-0.008**	0.054	ug/L	692.3 %
	Al	27	5542	5280	3.9	**-0.015**	0.016	ug/L	108.8 %
>	Sc-1	45	671409	664542	0.3			ug/L	%
	V	51	-295	409	808.6	**0.064**	0.301	ug/L	472.8 %
	Cr	52	11739	11725	2.6	**0.010**	0.027	ug/L	256.3 %
	Cr	53	52471	55329	3.1	**2.496**	1.147	ug/L	46.0 %
	Mn	55	3057	2925	5.1	**-0.006**	0.010	ug/L	156.1 %
	Co	59	956	908	4.8	**-0.003**	0.004	ug/L	105.8 %
	Ni	60	14984	13741	4.2	**-0.540**	0.266	ug/L	49.2 %
	Ni	62	2423	2190	3.0	**-0.695**	0.197	ug/L	28.3 %
	Cu	63	849	789	1.5	**-0.010**	0.002	ug/L	22.7 %
	Cu	65	761	718	1.6	**-0.015**	0.004	ug/L	30.3 %
>	Ge	72	140364	141194	0.4			ug/L	%
	As	75	-3091	-2883	6.0	**0.130**	0.092	ug/L	70.6 %
	Se	78	3811	3743	1.5	**-0.208**	0.094	ug/L	45.1 %
	Se	82	-22	-2	889.8	**0.104**	0.114	ug/L	110.1 %
	Mo	94	200	172	5.9	**-0.017**	0.005	ug/L	28.0 %
	Mo	97	332	325	6.0	**-0.005**	0.014	ug/L	298.7 %
	Ag	107	421	371	6.9	**-0.006**	0.004	ug/L	62.1 %
	Ag	109	413	365	6.3	**-0.006**	0.003	ug/L	43.4 %
	Cd	111	110	109	11.9	**-0.000**	0.006	ug/L	1273.1 %
	Cd	114	208	197	4.5	**-0.002**	0.002	ug/L	93.1 %
>	In	115	1213846	1218691	1.8			ug/L	%
	Sb	121	57	65	8.2	**0.001**	0.001	ug/L	54.6 %
	Sb	123	55	58	13.1	**0.001**	0.002	ug/L	272.4 %
	Ba	135	55	56	4.6	**0.001**	0.002	ug/L	133.2 %
	Ba	137	101	116	8.3	**0.005**	0.003	ug/L	55.3 %
>	Tb	159	1408670	1389290	1.0			ug/L	%
	Tl	203	514	606	16.4	**0.015**	0.015	ug/L	95.7 %
	Tl	205	1223	1506	17.7	**0.020**	0.017	ug/L	84.6 %
	Pb	207	199	187	7.1	**-0.002**	0.002	ug/L	125.7 %
	Pb	208	694	671	5.8	**-0.001**	0.002	ug/L	234.6 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 13:58:48
Dataset File: D:\ELAN\Dataset\2003\August\081403\MB.014
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: MB - L3=107 NS 8/15/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	148512	0.7			ug/L	%
	Be	9	3	4	39.0	**0.001**	0.002	ug/L	197.3 %
	B	10	128	195	8.1	**0.376**	0.084	ug/L	22.5 %
	B	11	610	940	7.0	**0.398**	0.072	ug/L	18.1 %
	Al	27	5542	5872	5.2	**0.030**	0.022	ug/L	74.9 %
>	Sc-1	45	671409	660876	1.2			ug/L	%
	V	51	-295	1165	98.4	**0.133**	0.105	ug/L	78.9 %
	Cr	52	11739	11205	0.1	**-0.035**	0.014	ug/L	40.7 %
	Cr	53	52471	48873	8.7	**-2.070**	2.858	ug/L	138.1 %
	Mn	55	3057	3597	17.0	**0.038**	0.037	ug/L	98.1 %
	Co	59	956	996	2.4	**0.005**	0.003	ug/L	51.3 %
	Ni	60	14984	17990	0.9	**1.613**	0.165	ug/L	10.2 %
	Ni	62	2423	2838	1.9	**1.521**	0.252	ug/L	16.6 %
	Cu	63	849	747	3.8	**-0.017**	0.004	ug/L	22.5 %
	Cu	65	761	681	1.7	**-0.028**	0.002	ug/L	8.5 %
>	Ge	72	140364	140512	1.5			ug/L	%
	As	75	-3091	-2995	4.5	**0.058**	0.064	ug/L	112.0 %
	Se	78	3811	3790	1.8	**-0.057**	0.162	ug/L	282.5 %
	Se	82	-22	-17	255.0	**0.027**	0.228	ug/L	849.6 %
	Mo	94	200	171	8.9	**-0.015**	0.010	ug/L	62.6 %
	Mo	97	332	290	2.4	**-0.020**	0.005	ug/L	23.4 %
	Ag	107	421	179	8.7	**-0.027**	0.002	ug/L	6.7 %
	Ag	109	413	164	6.1	**-0.030**	0.001	ug/L	3.8 %
	Cd	111	110	100	5.6	**-0.004**	0.003	ug/L	78.9 %
	Cd	114	208	190	8.4	**-0.003**	0.003	ug/L	113.5 %
>	In	115	1213846	1193700	0.6			ug/L	%
	Sb	121	57	58	9.4	**0.000**	0.001	ug/L	230.2 %
	Sb	123	55	52	9.5	**-0.000**	0.001	ug/L	193.2 %
	Ba	135	55	63	7.2	**0.006**	0.002	ug/L	38.5 %
	Ba	137	101	134	2.1	**0.012**	0.002	ug/L	14.5 %
>	Tb	159	1408670	1371729	1.9			ug/L	%
	Tl	203	514	192	2.1	**-0.049**	0.001	ug/L	1.2 %
	Tl	205	1223	444	4.5	**-0.050**	0.001	ug/L	1.6 %
	Pb	207	199	206	2.1	**0.003**	0.000	ug/L	9.7 %
	Pb	208	694	770	2.9	**0.005**	0.001	ug/L	29.5 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:03:54
Dataset File: D:\ELAN\Dataset\2003\August\081403\LCS.015
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: LCS -R30107 MS 8/15/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	148243	1.5			ug/L	%
	Be	9	3	7744	0.4	**10.073**	0.139	ug/L	1.4 %
	B	10	128	1917	3.9	**9.886**	0.567	ug/L	5.7 %
	B	11	610	9098	1.2	**10.039**	0.248	ug/L	2.5 %
	Al	27	5542	189763	1.3	**13.212**	0.178	ug/L	1.3 %
>	Sc-1	45	671409	659793	1.2			ug/L	%
	V	51	-295	107666	1.6	**9.900**	0.266	ug/L	2.7 %
	Cr	52	11739	111609	2.9	**9.994**	0.419	ug/L	4.2 %
	Cr	53	52471	64550	5.3	**9.635**	2.734	ug/L	28.4 %
	Mn	55	3057	161447	1.7	**10.203**	0.242	ug/L	2.4 %
	Co	59	956	112854	1.5	**10.085**	0.055	ug/L	0.5 %
	Ni	60	14984	36074	2.5	**10.634**	0.424	ug/L	4.0 %
	Ni	62	2423	5522	0.8	**10.557**	0.115	ug/L	1.1 %
	Cu	63	849	51710	0.1	**9.992**	0.113	ug/L	1.1 %
	Cu	65	761	24561	1.5	**9.908**	0.134	ug/L	1.4 %
>	Ge	72	140364	136600	1.0			ug/L	%
	As	75	-3091	14753	1.3	**10.547**	0.063	ug/L	0.6 %
	Se	78	3811	7904	0.5	**9.979**	0.264	ug/L	2.6 %
	Se	82	-22	1881	1.7	**10.511**	0.068	ug/L	0.7 %
	Mo	94	200	16631	2.3	**10.134**	0.241	ug/L	2.4 %
	Mo	97	332	18761	0.1	**10.164**	0.015	ug/L	0.1 %
	Ag	107	421	86058	0.3	**10.104**	0.028	ug/L	0.3 %
	Ag	109	413	82804	1.4	**10.244**	0.153	ug/L	1.5 %
	Cd	111	110	21095	1.8	**10.233**	0.187	ug/L	1.8 %
	Cd	114	208	48403	3.0	**10.117**	0.289	ug/L	2.9 %
>	In	115	1213846	1178695	0.2			ug/L	%
	Sb	121	57	69496	0.9	**10.258**	0.075	ug/L	0.7 %
	Sb	123	55	52931	1.5	**10.316**	0.141	ug/L	1.4 %
	Ba	135	55	17489	2.0	**10.190**	0.113	ug/L	1.1 %
	Ba	137	101	30361	2.4	**10.004**	0.168	ug/L	1.7 %
>	Tb	159	1408670	1367843	1.0			ug/L	%
	Tl	203	514	62492	1.8	**9.907**	0.127	ug/L	1.3 %
	Tl	205	1223	151487	1.5	**10.012**	0.099	ug/L	1.0 %
	Pb	207	199	45583	2.1	**10.004**	0.107	ug/L	1.1 %
	Pb	208	694	209602	1.4	**10.077**	0.047	ug/L	0.5 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:08:32
Dataset File: D:\ELAN\Dataset\2003\August\081403\064252-001A 5X.016
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064252-001A 5X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	110972	0.7			ug/L	%
	Be	9	3	5	44.1	0.004	0.004	ug/L	95.6 %
	B	10	128	511	5.4	3.068	0.221	ug/L	7.2 %
	B	11	610	2707	0.7	3.562	0.054	ug/L	1.5 %
	Al	27	5542	13179	1.0	0.454	0.016	ug/L	3.4 %
>	Sc-1	45	671409	738514	1.0			ug/L	%
	V	51	-295	90404	1.4	7.432	0.045	ug/L	0.6 %
	Cr	52	11739	18362	2.5	0.486	0.031	ug/L	6.4 %
	Cr	53	52471	9420	16.2	-31.983	1.020	ug/L	3.2 %
	Mn	55	3057	1931	11.0	-0.082	0.013	ug/L	15.4 %
	Co	59	956	1005	5.4	-0.004	0.004	ug/L	109.7 %
	Ni	60	14984	5835	7.9	-4.738	0.204	ug/L	4.3 %
	Ni	62	2423	1086	10.0	-4.741	0.316	ug/L	6.7 %
	Cu	63	849	100552	1.6	17.480	0.431	ug/L	2.5 %
	Cu	65	761	47486	0.6	17.342	0.196	ug/L	1.1 %
>	Ge	72	140364	156647	0.8			ug/L	%
	As	75	-3091	-1108	5.3	1.212	0.028	ug/L	2.3 %
	Se	78	3811	3977	1.6	-0.573	0.065	ug/L	11.4 %
	Se	82	-22	77	25.7	0.487	0.094	ug/L	19.2 %
	Mo	94	200	1011	0.1	0.419	0.004	ug/L	0.9 %
	Mo	97	332	1212	1.7	0.399	0.014	ug/L	3.4 %
	Ag	107	421	117	2.8	-0.036	0.000	ug/L	0.8 %
	Ag	109	413	122	15.5	-0.037	0.002	ug/L	5.2 %
	Cd	111	110	213	11.1	0.038	0.011	ug/L	28.1 %
	Cd	114	208	477	14.8	0.044	0.013	ug/L	30.4 %
>	In	115	1213846	1364191	0.8			ug/L	%
	Sb	121	57	202	2.6	0.018	0.001	ug/L	4.4 %
	Sb	123	55	163	5.9	0.017	0.002	ug/L	9.8 %
	Ba	135	55	23310	0.4	11.798	0.187	ug/L	1.6 %
	Ba	137	101	40783	1.2	11.672	0.050	ug/L	0.4 %
>	Tb	159	1408670	1575675	1.6			ug/L	%
	Tl	203	514	1537	5.1	0.133	0.008	ug/L	5.8 %
	Tl	205	1223	3607	5.0	0.129	0.007	ug/L	5.6 %
	Pb	207	199	545	2.4	0.062	0.004	ug/L	5.9 %
	Pb	208	694	2266	0.6	0.062	0.002	ug/L	3.3 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:13:09
Dataset File: D:\ELAN\Dataset\2003\August\081403\064252-001A 10X.017
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064252-001A 10X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Li**	7	150334	110512	1.3			ug/L	%
	Be	9	3	3	34.6	**0.000**	0.002	ug/L	757.3 %
	B	10	128	290	2.7	**1.449**	0.068	ug/L	4.7 %
	B	11	610	1414	4.1	**1.529**	0.063	ug/L	4.1 %
	Al	27	5542	9991	1.5	**0.255**	0.007	ug/L	2.8 %
>	**Sc-1**	45	671409	732099	1.6			ug/L	%
	V	51	-295	48679	0.6	**4.049**	0.044	ug/L	1.1 %
	Cr	52	11739	11623	1.3	**-0.106**	0.006	ug/L	6.1 %
	Cr	53	52471	5356	8.8	**-34.645**	0.282	ug/L	0.8 %
	Mn	55	3057	1199	4.7	**-0.124**	0.003	ug/L	2.8 %
	Co	59	956	760	6.2	**-0.023**	0.003	ug/L	15.3 %
	Ni	60	14984	4663	2.6	**-5.241**	0.058	ug/L	1.1 %
	Ni	62	2423	936	1.3	**-5.166**	0.036	ug/L	0.7 %
	Cu	63	849	49756	0.8	**8.643**	0.083	ug/L	1.0 %
	Cu	65	761	24034	0.2	**8.703**	0.131	ug/L	1.5 %
>	**Ge**	72	140364	158749	0.9			ug/L	%
	As	75	-3091	-1419	13.5	**1.061**	0.096	ug/L	9.1 %
	Se	78	3811	3912	0.8	**-0.814**	0.128	ug/L	15.7 %
	Se	82	-22	61	41.3	**0.409**	0.123	ug/L	30.0 %
	Mo	94	200	700	5.8	**0.247**	0.021	ug/L	8.7 %
	Mo	97	332	894	3.4	**0.241**	0.017	ug/L	6.9 %
	Ag	107	421	99	14.7	**-0.038**	0.001	ug/L	3.6 %
	Ag	109	413	101	7.4	**-0.039**	0.001	ug/L	2.3 %
	Cd	111	110	314	5.3	**0.078**	0.008	ug/L	10.2 %
	Cd	114	208	670	8.5	**0.077**	0.011	ug/L	14.1 %
>	**In**	115	1213846	1389237	1.0			ug/L	%
	Sb	121	57	114	10.8	**0.006**	0.001	ug/L	23.1 %
	Sb	123	55	89	15.1	**0.004**	0.002	ug/L	54.2 %
	Ba	135	55	11711	2.9	**5.830**	0.102	ug/L	1.7 %
	Ba	137	101	20370	1.1	**5.735**	0.032	ug/L	0.6 %
>	**Tb**	159	1408670	1597271	1.5			ug/L	%
	Tl	203	514	2803	17.7	**0.303**	0.063	ug/L	20.6 %
	Tl	205	1223	6706	16.3	**0.303**	0.057	ug/L	18.8 %
	Pb	207	199	387	3.4	**0.030**	0.003	ug/L	10.3 %
	Pb	208	694	1545	3.7	**0.031**	0.002	ug/L	5.7 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:17:47
Dataset File: D:\ELAN\Dataset\2003\August\081403\064252-001AMS 10X.018
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064252-001AMS 10X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Li**	7	150334	111544	1.2			ug/L	%
	Be	9	3	735	2.3	**1.266**	0.020	ug/L	1.6 %
	B	10	128	425	6.7	**2.418**	0.191	ug/L	7.9 %
	B	11	610	2181	3.0	**2.713**	0.066	ug/L	2.4 %
	Al	27	5542	20988	4.0	**0.949**	0.049	ug/L	5.1 %
>	**Sc-1**	45	671409	740834	0.5			ug/L	%
	V	51	-295	61910	0.4	**5.082**	0.046	ug/L	0.9 %
	Cr	52	11739	22428	2.1	**0.842**	0.031	ug/L	3.7 %
	Cr	53	52471	5782	3.0	**-34.405**	0.096	ug/L	0.3 %
	Mn	55	3057	20991	1.7	**1.010**	0.026	ug/L	2.6 %
	Co	59	956	14759	3.0	**1.100**	0.038	ug/L	3.4 %
	Ni	60	14984	7500	1.4	**-4.007**	0.031	ug/L	0.8 %
	Ni	62	2423	1360	2.3	**-3.930**	0.080	ug/L	2.0 %
	Cu	63	849	55476	0.6	**9.539**	0.106	ug/L	1.1 %
	Cu	65	761	26317	0.6	**9.441**	0.098	ug/L	1.0 %
>	**Ge**	72	140364	158556	0.7			ug/L	%
	As	75	-3091	816	4.3	**2.204**	0.019	ug/L	0.9 %
	Se	78	3811	4490	2.4	**0.380**	0.203	ug/L	53.3 %
	Se	82	-22	318	4.7	**1.628**	0.061	ug/L	3.7 %
	Mo	94	200	2700	2.0	**1.297**	0.040	ug/L	3.1 %
	Mo	97	332	3062	0.5	**1.259**	0.016	ug/L	1.3 %
	Ag	107	421	10331	0.8	**0.989**	0.018	ug/L	1.9 %
	Ag	109	413	9832	0.4	**0.991**	0.010	ug/L	1.0 %
	Cd	111	110	3023	1.3	**1.203**	0.030	ug/L	2.5 %
	Cd	114	208	6954	3.9	**1.200**	0.060	ug/L	5.0 %
>	**In**	115	1213846	1384718	1.3			ug/L	%
	Sb	121	57	9046	2.7	**1.129**	0.029	ug/L	2.6 %
	Sb	123	55	6795	1.8	**1.118**	0.014	ug/L	1.3 %
	Ba	135	55	13706	0.6	**6.927**	0.131	ug/L	1.9 %
	Ba	137	101	23545	1.3	**6.727**	0.021	ug/L	0.3 %
>	**Tb**	159	1408670	1575141	1.3			ug/L	%
	Tl	203	514	6741	5.0	**0.856**	0.044	ug/L	5.1 %
	Tl	205	1223	16480	4.3	**0.874**	0.037	ug/L	4.3 %
	Pb	207	199	5739	1.3	**1.056**	0.003	ug/L	0.3 %
	Pb	208	694	26021	1.2	**1.057**	0.004	ug/L	0.4 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:22:26
Dataset File: D:\ELAN\Dataset\2003\August\081403\064252-001AMSD 10X.019
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064252-001AMSD 10X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	114381	1.0			ug/L	%
	Be	9	3	745	2.7	1.251	0.024	ug/L	1.9 %
	B	10	128	476	3.5	2.709	0.112	ug/L	4.1 %
	B	11	610	2208	2.1	2.672	0.101	ug/L	3.8 %
	Al	27	5542	23699	1.0	1.125	0.014	ug/L	1.3 %
>	Sc-1	45	671409	739500	1.7			ug/L	%
	V	51	-295	61602	0.2	5.067	0.095	ug/L	1.9 %
	Cr	52	11739	23054	1.8	0.903	0.073	ug/L	8.1 %
	Cr	53	52471	5217	1.5	-34.770	0.111	ug/L	0.3 %
	Mn	55	3057	20717	1.0	0.997	0.023	ug/L	2.3 %
	Co	59	956	14714	0.8	1.099	0.028	ug/L	2.5 %
	Ni	60	14984	6967	1.4	-4.237	0.098	ug/L	2.3 %
	Ni	62	2423	1291	1.0	-4.129	0.101	ug/L	2.4 %
	Cu	63	849	55918	0.6	9.636	0.226	ug/L	2.3 %
	Cu	65	761	26285	1.0	9.450	0.269	ug/L	2.8 %
>	Ge	72	140364	159047	0.6			ug/L	%
	As	75	-3091	791	9.7	2.190	0.041	ug/L	1.9 %
	Se	78	3811	4538	1.9	0.449	0.120	ug/L	26.6 %
	Se	82	-22	278	14.0	1.436	0.183	ug/L	12.8 %
	Mo	94	200	2679	1.9	1.310	0.028	ug/L	2.1 %
	Mo	97	332	3120	2.2	1.311	0.031	ug/L	2.3 %
	Ag	107	421	10268	2.0	1.000	0.022	ug/L	2.2 %
	Ag	109	413	9664	1.9	0.990	0.019	ug/L	2.0 %
	Cd	111	110	2915	3.1	1.178	0.039	ug/L	3.3 %
	Cd	114	208	6768	2.3	1.187	0.026	ug/L	2.2 %
>	In	115	1213846	1361821	0.2			ug/L	%
	Sb	121	57	8880	1.1	1.127	0.011	ug/L	1.0 %
	Sb	123	55	6782	0.7	1.135	0.010	ug/L	0.9 %
	Ba	135	55	13595	2.5	6.850	0.179	ug/L	2.6 %
	Ba	137	101	24197	0.4	6.895	0.018	ug/L	0.3 %
>	Tb	159	1408670	1579516	0.2			ug/L	%
	Tl	203	514	6464	4.4	0.815	0.040	ug/L	4.9 %
	Tl	205	1223	15673	4.7	0.825	0.043	ug/L	5.2 %
	Pb	207	199	6515	3.4	1.201	0.045	ug/L	3.7 %
	Pb	208	694	30163	1.6	1.227	0.022	ug/L	1.8 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:27:04
Dataset File: D:\ELAN\Dataset\2003\August\081403\MB-.020
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: MB- 14733 NS 8/15/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
[>	**Li**	7	150334	148497	1.8			ug/L	%
[	**Be**	9	3	5	10.2	**0.001**	0.001	ug/L	48.3 %
[	**B**	10	128	130	4.3	**0.017**	0.023	ug/L	132.7 %
[	**B**	11	610	643	3.3	**0.049**	0.032	ug/L	65.1 %
[	**Al**	27	5542	84947	8.6	**5.690**	0.549	ug/L	9.6 %
[>	**Sc-1**	45	671409	660845	0.7			ug/L	%
[	**V**	51	-295	537	620.6	**0.074**	0.303	ug/L	408.4 %
[	**Cr**	52	11739	12766	1.1	**0.121**	0.023	ug/L	19.0 %
[	**Cr**	53	52471	40867	7.4	**-7.966**	2.430	ug/L	30.5 %
[	**Mn**	55	3057	9944	4.4	**0.446**	0.023	ug/L	5.3 %
[	**Co**	59	956	841	4.2	**-0.009**	0.004	ug/L	41.4 %
[	**Ni**	60	14984	4512	1.3	**-5.090**	0.040	ug/L	0.8 %
[	**Ni**	62	2423	947	2.7	**-4.820**	0.109	ug/L	2.3 %
[	**Cu**	63	849	3201	2.6	**0.464**	0.011	ug/L	2.5 %
[	**Cu**	65	761	1839	1.7	**0.452**	0.010	ug/L	2.2 %
[>	**Ge**	72	140364	140376	0.3			ug/L	%
[	**As**	75	-3091	-2156	4.8	**0.540**	0.063	ug/L	11.6 %
[	**Se**	78	3811	3659	1.7	**-0.353**	0.133	ug/L	37.8 %
[	**Se**	82	-22	-18	192.4	**0.017**	0.190	ug/L	1089.3 %
[	**Mo**	94	200	430	6.0	**0.131**	0.013	ug/L	10.2 %
[	**Mo**	97	332	589	2.0	**0.129**	0.007	ug/L	5.6 %
[	**Ag**	107	421	181	9.7	**-0.028**	0.002	ug/L	6.4 %
[	**Ag**	109	413	173	15.7	**-0.030**	0.003	ug/L	10.3 %
[	**Cd**	111	110	88	6.8	**-0.011**	0.002	ug/L	21.6 %
[	**Cd**	114	208	159	7.6	**-0.011**	0.002	ug/L	19.6 %
[>	**In**	115	1213846	1247582	0.7			ug/L	%
[	**Sb**	121	57	133	5.6	**0.010**	0.001	ug/L	8.7 %
[	**Sb**	123	55	115	12.6	**0.011**	0.003	ug/L	26.1 %
[	**Ba**	135	55	457	3.2	**0.227**	0.011	ug/L	4.7 %
[	**Ba**	137	101	805	1.2	**0.224**	0.003	ug/L	1.5 %
[>	**Tb**	159	1408670	1416508	1.0			ug/L	%
[	**Tl**	203	514	245	19.6	**-0.042**	0.008	ug/L	18.2 %
[	**Tl**	205	1223	562	19.5	**-0.043**	0.007	ug/L	17.0 %
[	**Pb**	207	199	601	9.0	**0.085**	0.012	ug/L	14.5 %
[	**Pb**	208	694	2585	5.2	**0.088**	0.007	ug/L	8.2 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:31:44
Dataset File: D:\ELAN\Dataset\2003\August\081403\LCS-.021
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: LCS- 14733 NS 8/18/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	149825	2.1			ug/L	%
	Be	9	3	6101	1.9	**7.851**	0.134	ug/L	1.7 %
	B	10	128	1607	1.8	**8.078**	0.090	ug/L	1.1 %
	B	11	610	7398	1.1	**7.940**	0.256	ug/L	3.2 %
	Al	27	5542	126026	1.7	**8.613**	0.139	ug/L	1.6 %
>	Sc-1	45	671409	662011	1.1			ug/L	%
	V	51	-295	86851	4.6	**7.965**	0.428	ug/L	5.4 %
	Cr	52	11739	91441	1.9	**7.948**	0.191	ug/L	2.4 %
	Cr	53	52471	53779	4.4	**1.506**	1.594	ug/L	105.8 %
	Mn	55	3057	131824	0.9	**8.267**	0.143	ug/L	1.7 %
	Co	59	956	89628	2.6	**7.967**	0.283	ug/L	3.6 %
	Ni	60	14984	23610	1.5	**4.388**	0.290	ug/L	6.6 %
	Ni	62	2423	3702	1.7	**4.398**	0.166	ug/L	3.8 %
	Cu	63	849	43927	1.2	**8.435**	0.189	ug/L	2.2 %
	Cu	65	761	21100	1.6	**8.440**	0.226	ug/L	2.7 %
>	Ge	72	140364	141915	0.9			ug/L	%
	As	75	-3091	11585	3.0	**8.410**	0.256	ug/L	3.0 %
	Se	78	3811	7181	2.0	**7.621**	0.421	ug/L	5.5 %
	Se	82	-22	1499	2.4	**8.090**	0.232	ug/L	2.9 %
	Mo	94	200	13613	2.6	**7.869**	0.126	ug/L	1.6 %
	Mo	97	332	15290	1.0	**7.845**	0.013	ug/L	0.2 %
	Ag	107	421	135	7.4	**-0.033**	0.001	ug/L	2.9 %
	Ag	109	413	142	2.0	**-0.033**	0.000	ug/L	1.4 %
	Cd	111	110	16956	1.7	**7.818**	0.172	ug/L	2.2 %
	Cd	114	208	39630	2.4	**7.877**	0.223	ug/L	2.8 %
>	In	115	1213846	1238281	1.1			ug/L	%
	Sb	121	57	55211	0.7	**7.757**	0.139	ug/L	1.8 %
	Sb	123	55	41860	1.0	**7.764**	0.164	ug/L	2.1 %
	Ba	135	55	14131	1.2	**8.030**	0.015	ug/L	0.2 %
	Ba	137	101	25110	0.8	**8.070**	0.048	ug/L	0.6 %
>	Tb	159	1408670	1401416	1.2			ug/L	%
	Tl	203	514	50173	1.3	**7.746**	0.078	ug/L	1.0 %
	Tl	205	1223	121561	1.1	**7.825**	0.073	ug/L	0.9 %
	Pb	207	199	37559	2.1	**8.037**	0.105	ug/L	1.3 %
	Pb	208	694	173329	1.8	**8.127**	0.055	ug/L	0.7 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:36:23
Dataset File: D:\ELAN\Dataset\2003\August\081403\064235-005A.022
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-005A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	149872	1.7			ug/L	%
	Be	9	3	4	105.8	**0.001**	0.006	ug/L	741.1 %
	B	10	128	20703	4.5	**112.289**	5.058	ug/L	4.5 %
	B	11	610	96773	2.4	**112.383**	3.422	ug/L	3.0 %
	Al	27	5542	65185	0.6	**3.870**	0.060	ug/L	1.5 %
>	Sc-1	45	671409	723674	1.2			ug/L	%
	V	51	-295	2105	186.6	**0.201**	0.326	ug/L	162.2 %
	Cr	52	11739	15767	2.8	**0.284**	0.054	ug/L	19.1 %
	Cr	53	52471	50207	4.7	**-4.279**	1.867	ug/L	43.6 %
	Mn	55	3057	1176047	0.2	**68.851**	0.816	ug/L	1.2 %
	Co	59	956	2508	1.4	**0.121**	0.004	ug/L	3.4 %
	Ni	60	14984	5185	1.5	**-4.980**	0.013	ug/L	0.3 %
	Ni	62	2423	838	4.4	**-5.431**	0.144	ug/L	2.7 %
	Cu	63	849	5017	1.2	**0.735**	0.001	ug/L	0.1 %
	Cu	65	761	2384	1.7	**0.593**	0.019	ug/L	3.3 %
>	Ge	72	140364	154077	1.0			ug/L	%
	As	75	-3091	-1168	18.8	**1.171**	0.113	ug/L	9.6 %
	Se	78	3811	3838	0.9	**-0.727**	0.034	ug/L	4.7 %
	Se	82	-22	38	75.5	**0.305**	0.143	ug/L	46.9 %
	Mo	94	200	1467	3.6	**0.708**	0.024	ug/L	3.4 %
	Mo	97	332	1781	2.6	**0.720**	0.024	ug/L	3.4 %
	Ag	107	421	264	7.9	**-0.020**	0.002	ug/L	11.9 %
	Ag	109	413	242	6.9	**-0.022**	0.002	ug/L	9.4 %
	Cd	111	110	69	15.4	**-0.021**	0.005	ug/L	22.7 %
	Cd	114	208	138	1.3	**-0.016**	0.000	ug/L	0.9 %
>	In	115	1213846	1288324	0.8			ug/L	%
	Sb	121	57	568	5.4	**0.069**	0.004	ug/L	6.0 %
	Sb	123	55	521	9.1	**0.083**	0.008	ug/L	9.3 %
	Ba	135	55	269113	1.0	**148.395**	1.737	ug/L	1.2 %
	Ba	137	101	465253	2.2	**145.083**	0.707	ug/L	0.5 %
>	Tb	159	1408670	1449761	1.9			ug/L	%
	Tl	203	514	267	19.4	**-0.040**	0.009	ug/L	21.7 %
	Tl	205	1223	619	26.0	**-0.040**	0.011	ug/L	27.2 %
	Pb	207	199	881	3.7	**0.141**	0.005	ug/L	3.6 %
	Pb	208	694	3970	2.2	**0.148**	0.001	ug/L	0.6 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:41:04
Dataset File: D:\ELAN\Dataset\2003\August\081403\064235-005ADUP.023
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-005ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	146645	0.9			ug/L	%
	Be	9	3	4	32.7	0.000	0.002	ug/L	347.3 %
	B	10	128	20128	1.7	111.572	2.685	ug/L	2.4 %
	B	11	610	96405	2.0	114.425	3.098	ug/L	2.7 %
	Al	27	5542	62491	0.7	3.823	0.144	ug/L	3.8 %
>	Sc-1	45	671409	701977	3.6			ug/L	%
	V	51	-295	-797	209.7	-0.046	0.150	ug/L	328.7 %
	Cr	52	11739	15209	0.8	0.277	0.043	ug/L	15.7 %
	Cr	53	52471	50021	3.4	-3.316	2.388	ug/L	72.0 %
	Mn	55	3057	1143521	2.0	69.036	1.117	ug/L	1.6 %
	Co	59	956	2472	1.4	0.125	0.005	ug/L	3.9 %
	Ni	60	14984	4864	1.1	-5.056	0.073	ug/L	1.4 %
	Ni	62	2423	853	0.9	-5.302	0.115	ug/L	2.2 %
	Cu	63	849	4917	2.9	0.744	0.006	ug/L	0.8 %
	Cu	65	761	2328	1.1	0.600	0.025	ug/L	4.2 %
>	Ge	72	140364	146586	0.6			ug/L	%
	As	75	-3091	-1316	11.1	1.058	0.077	ug/L	7.2 %
	Se	78	3811	3701	1.0	-0.617	0.050	ug/L	8.1 %
	Se	82	-22	-15	187.3	0.038	0.147	ug/L	388.0 %
	Mo	94	200	1529	7.3	0.778	0.070	ug/L	9.0 %
	Mo	97	332	1647	3.6	0.686	0.026	ug/L	3.8 %
	Ag	107	421	194	2.9	-0.026	0.001	ug/L	2.8 %
	Ag	109	413	172	7.2	-0.029	0.002	ug/L	5.4 %
	Cd	111	110	69	11.8	-0.020	0.004	ug/L	18.9 %
	Cd	114	208	124	14.3	-0.018	0.003	ug/L	19.2 %
>	In	115	1213846	1238396	0.8			ug/L	%
	Sb	121	57	560	5.7	0.071	0.004	ug/L	5.5 %
	Sb	123	55	485	0.7	0.080	0.001	ug/L	0.9 %
	Ba	135	55	265169	0.6	148.262	1.808	ug/L	1.2 %
	Ba	137	101	464838	0.8	147.004	2.062	ug/L	1.4 %
>	Tb	159	1408670	1429681	0.6			ug/L	%
	Tl	203	514	148	9.9	-0.057	0.002	ug/L	4.2 %
	Tl	205	1223	344	8.2	-0.057	0.002	ug/L	3.2 %
	Pb	207	199	850	3.1	0.137	0.007	ug/L	4.8 %
	Pb	208	694	3743	2.4	0.140	0.005	ug/L	3.8 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:45:45
Dataset File: D:\ELAN\Dataset\2003\August\081403\CCV.024
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	139727	0.5			ug/L	%
	Be	9	3	7376	0.4	10.178	0.068	ug/L	0.7 %
	B	10	128	2132	2.8	11.781	0.296	ug/L	2.5 %
	B	11	610	9757	4.8	11.517	0.554	ug/L	4.8 %
	Al	27	5542	175553	0.8	12.858	0.183	ug/L	1.4 %
>	Sc-1	45	671409	626730	1.5			ug/L	%
	V	51	-295	104524	3.6	10.115	0.291	ug/L	2.9 %
	Cr	52	11739	110124	2.4	10.422	0.103	ug/L	1.0 %
	Cr	53	52471	67974	2.2	14.819	0.508	ug/L	3.4 %
	Mn	55	3057	151218	1.4	10.059	0.261	ug/L	2.6 %
	Co	59	956	107865	1.7	10.151	0.291	ug/L	2.9 %
	Ni	60	14984	23609	1.3	5.047	0.243	ug/L	4.8 %
	Ni	62	2423	3761	1.6	5.309	0.409	ug/L	7.7 %
	Cu	63	849	50400	1.1	10.258	0.268	ug/L	2.6 %
	Cu	65	761	24231	1.1	10.304	0.137	ug/L	1.3 %
>	Ge	72	140364	138290	1.1			ug/L	%
	As	75	-3091	14859	2.7	10.502	0.143	ug/L	1.4 %
	Se	78	3811	7875	1.9	9.679	0.302	ug/L	3.1 %
	Se	82	-22	1824	4.7	10.071	0.399	ug/L	4.0 %
	Mo	94	200	16342	2.2	10.066	0.153	ug/L	1.5 %
	Mo	97	332	18362	2.6	10.055	0.197	ug/L	2.0 %
	Ag	107	421	85224	0.7	10.117	0.087	ug/L	0.9 %
	Ag	109	413	80654	1.9	10.089	0.256	ug/L	2.5 %
	Cd	111	110	20595	1.1	10.101	0.174	ug/L	1.7 %
	Cd	114	208	47275	0.8	9.991	0.048	ug/L	0.5 %
>	In	115	1213846	1165813	0.7			ug/L	%
	Sb	121	57	68107	0.7	10.165	0.025	ug/L	0.2 %
	Sb	123	55	51797	0.6	10.207	0.085	ug/L	0.8 %
	Ba	135	55	16892	0.8	9.895	0.041	ug/L	0.4 %
	Ba	137	101	30175	1.1	9.996	0.019	ug/L	0.2 %
>	Tb	159	1408670	1360635	1.0			ug/L	%
	Tl	203	514	61311	1.2	9.771	0.180	ug/L	1.8 %
	Tl	205	1223	147045	2.8	9.770	0.356	ug/L	3.6 %
	Pb	207	199	44894	1.4	9.906	0.218	ug/L	2.2 %
	Pb	208	694	204376	1.1	9.879	0.189	ug/L	1.9 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:50:28
Dataset File: D:\ELAN\Dataset\2003\August\081403\CCB.025
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	139470	1.0			ug/L	%
	Be	9	3	3	35.3	**0.000**	0.002	ug/L	486.5 %
	B	10	128	212	14.7	**0.545**	0.178	ug/L	32.7 %
	B	11	610	932	15.5	**0.459**	0.169	ug/L	36.9 %
	Al	27	5542	4926	2.6	**-0.017**	0.006	ug/L	35.1 %
>	**Sc-1**	45	671409	623721	1.0			ug/L	%
	V	51	-295	1921	255.2	**0.216**	0.476	ug/L	220.0 %
	Cr	52	11739	11772	2.9	**0.092**	0.037	ug/L	40.9 %
	Cr	53	52471	55673	4.1	**5.429**	1.614	ug/L	29.7 %
	Mn	55	3057	1463	11.3	**-0.094**	0.011	ug/L	12.2 %
	Co	59	956	617	8.2	**-0.026**	0.005	ug/L	19.6 %
	Ni	60	14984	1280	4.2	**-6.660**	0.021	ug/L	0.3 %
	Ni	62	2423	485	3.9	**-6.277**	0.050	ug/L	0.8 %
	Cu	63	849	683	4.0	**-0.022**	0.007	ug/L	32.1 %
	Cu	65	761	687	4.2	**-0.009**	0.010	ug/L	110.8 %
>	**Ge**	72	140364	134737	0.7			ug/L	%
	As	75	-3091	-1871	11.6	**0.660**	0.126	ug/L	19.1 %
	Se	78	3811	3530	1.5	**-0.308**	0.186	ug/L	60.5 %
	Se	82	-22	-13	615.2	**0.043**	0.458	ug/L	1059.4 %
	Mo	94	200	170	6.8	**-0.012**	0.008	ug/L	69.5 %
	Mo	97	332	293	7.0	**-0.012**	0.013	ug/L	109.1 %
	Ag	107	421	167	9.5	**-0.028**	0.002	ug/L	7.6 %
	Ag	109	413	154	10.4	**-0.030**	0.002	ug/L	7.2 %
	Cd	111	110	84	8.5	**-0.010**	0.004	ug/L	40.4 %
	Cd	114	208	175	3.7	**-0.005**	0.002	ug/L	32.7 %
>	**In**	115	1213846	1149341	1.0			ug/L	%
	Sb	121	57	73	8.2	**0.003**	0.001	ug/L	27.1 %
	Sb	123	55	60	1.5	**0.001**	0.000	ug/L	14.3 %
	Ba	135	55	54	7.9	**0.001**	0.003	ug/L	201.0 %
	Ba	137	101	109	17.3	**0.005**	0.007	ug/L	141.8 %
>	**Tb**	159	1408670	1323572	1.0			ug/L	%
	Tl	203	514	366	28.5	**-0.019**	0.018	ug/L	92.0 %
	Tl	205	1223	853	23.5	**-0.020**	0.014	ug/L	70.4 %
	Pb	207	199	198	17.2	**0.002**	0.008	ug/L	326.0 %
	Pb	208	694	721	11.7	**0.003**	0.004	ug/L	129.2 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:55:10
Dataset File: D:\ELAN\Dataset\2003\August\081403\064235-005AMS.026
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-005AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
[>	Li	7	150334	145925	0.8			ug/L	%
[	Be	9	3	5730	1.6	7.569	0.078	ug/L	1.0 %
[	B	10	128	21210	3.4	118.198	4.749	ug/L	4.0 %
[	B	11	610	99239	2.8	118.402	4.258	ug/L	3.6 %
[	Al	27	5542	137194	1.7	9.237	0.054	ug/L	0.6 %
[>	Sc-1	45	671409	673893	1.4			ug/L	%
[	V	51	-295	91503	0.5	8.242	0.151	ug/L	1.8 %
[	Cr	52	11739	93434	2.0	7.982	0.134	ug/L	1.7 %
[	Cr	53	52471	58384	1.7	4.156	0.951	ug/L	22.9 %
[	Mn	55	3057	1217787	1.4	76.578	0.564	ug/L	0.7 %
[	Co	59	956	88687	0.5	7.741	0.080	ug/L	1.0 %
[	Ni	60	14984	22674	1.7	3.723	0.085	ug/L	2.3 %
[	Ni	62	2423	3390	1.7	3.152	0.036	ug/L	1.1 %
[	Cu	63	849	44257	1.2	8.345	0.022	ug/L	0.3 %
[	Cu	65	761	21018	3.7	8.249	0.208	ug/L	2.5 %
[>	Ge	72	140364	143326	0.7			ug/L	%
[	As	75	-3091	12513	1.5	8.868	0.096	ug/L	1.1 %
[	Se	78	3811	7019	1.7	7.089	0.234	ug/L	3.3 %
[	Se	82	-22	1434	1.7	7.669	0.143	ug/L	1.9 %
[	Mo	94	200	14499	1.7	8.691	0.130	ug/L	1.5 %
[	Mo	97	332	16530	1.6	8.803	0.094	ug/L	1.1 %
[	Ag	107	421	237	25.2	-0.021	0.007	ug/L	34.2 %
[	Ag	109	413	164	9.7	-0.030	0.002	ug/L	6.4 %
[	Cd	111	110	16149	0.7	7.709	0.024	ug/L	0.3 %
[	Cd	114	208	37780	0.1	7.774	0.034	ug/L	0.4 %
[>	In	115	1213846	1195831	0.5			ug/L	%
[	Sb	121	57	55174	0.3	8.026	0.030	ug/L	0.4 %
[	Sb	123	55	42202	1.4	8.105	0.088	ug/L	1.1 %
[	Ba	135	55	273592	1.0	158.048	2.601	ug/L	1.6 %
[	Ba	137	101	477600	2.4	156.028	2.779	ug/L	1.8 %
[>	Tb	159	1408670	1383816	0.8			ug/L	%
[	Tl	203	514	48357	1.6	7.559	0.168	ug/L	2.2 %
[	Tl	205	1223	116260	1.3	7.577	0.157	ug/L	2.1 %
[	Pb	207	199	34424	0.4	7.457	0.044	ug/L	0.6 %
[	Pb	208	694	158719	0.5	7.535	0.044	ug/L	0.6 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 14:59:52
Dataset File: D:\ELAN\Dataset\2003\August\081403\064235-005AMSD.027
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064235-005AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	146573	0.7			ug/L	%
	Be	9	3	5795	2.0	**7.621**	0.134	ug/L	1.8 %
	B	10	128	21228	1.8	**117.749**	1.530	ug/L	1.3 %
	B	11	610	99130	1.7	**117.722**	1.815	ug/L	1.5 %
	Al	27	5542	133519	10.0	**9.264**	1.133	ug/L	12.2 %
>	Sc-1	45	671409	654952	2.4			ug/L	%
	V	51	-295	85307	4.2	**7.904**	0.207	ug/L	2.6 %
	Cr	52	11739	89570	1.3	**7.861**	0.237	ug/L	3.0 %
	Cr	53	52471	58344	3.4	**5.342**	0.809	ug/L	15.2 %
	Mn	55	3057	1193105	1.7	**77.242**	3.039	ug/L	3.9 %
	Co	59	956	86450	0.9	**7.766**	0.192	ug/L	2.5 %
	Ni	60	14984	21630	2.3	**3.523**	0.354	ug/L	10.0 %
	Ni	62	2423	3214	3.0	**2.888**	0.547	ug/L	18.9 %
	Cu	63	849	41922	2.1	**8.134**	0.331	ug/L	4.1 %
	Cu	65	761	20107	1.9	**8.121**	0.337	ug/L	4.1 %
>	Ge	72	140364	141266	3.6			ug/L	%
	As	75	-3091	11919	4.5	**8.629**	0.084	ug/L	1.0 %
	Se	78	3811	6973	1.2	**7.226**	0.413	ug/L	5.7 %
	Se	82	-22	1455	0.9	**7.899**	0.322	ug/L	4.1 %
	Mo	94	200	14104	1.0	**8.488**	0.028	ug/L	0.3 %
	Mo	97	332	15870	1.5	**8.483**	0.125	ug/L	1.5 %
	Ag	107	421	170	10.7	**-0.028**	0.002	ug/L	7.8 %
	Ag	109	413	146	3.1	**-0.032**	0.000	ug/L	1.4 %
	Cd	111	110	16119	1.7	**7.727**	0.085	ug/L	1.1 %
	Cd	114	208	36834	0.7	**7.612**	0.056	ug/L	0.7 %
>	In	115	1213846	1190669	0.7			ug/L	%
	Sb	121	57	54282	0.7	**7.931**	0.075	ug/L	0.9 %
	Sb	123	55	41533	0.8	**8.011**	0.016	ug/L	0.2 %
	Ba	135	55	265510	1.0	**156.142**	3.490	ug/L	2.2 %
	Ba	137	101	463244	1.1	**154.069**	2.003	ug/L	1.3 %
>	Tb	159	1408670	1359476	1.3			ug/L	%
	Tl	203	514	47149	3.3	**7.500**	0.175	ug/L	2.3 %
	Tl	205	1223	113222	1.7	**7.509**	0.036	ug/L	0.5 %
	Pb	207	199	34377	2.2	**7.582**	0.184	ug/L	2.4 %
	Pb	208	694	157588	2.0	**7.616**	0.161	ug/L	2.1 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:04:33
Dataset File: D:\ELAN\Dataset\2003\August\081403\MB-.028
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: MB-
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	140805	0.5			ug/L	%
	Be	9	3	3	41.7	-0.000	0.002	ug/L	397.4 %
	B	10	128	539	19.6	2.434	0.601	ug/L	24.7 %
	B	11	610	2376	18.1	2.244	0.524	ug/L	23.4 %
	Al	27	5542	8085	2.7	0.238	0.009	ug/L	3.7 %
>	Sc-1	45	671409	608484	1.8			ug/L	%
	V	51	-295	-651	657.5	-0.043	0.424	ug/L	982.2 %
	Cr	52	11739	11445	2.5	0.087	0.011	ug/L	12.9 %
	Cr	53	52471	57049	3.7	7.623	1.022	ug/L	13.4 %
	Mn	55	3057	1651	9.0	-0.078	0.012	ug/L	15.5 %
	Co	59	956	633	3.0	-0.023	0.003	ug/L	12.7 %
	Ni	60	14984	1207	2.7	-6.682	0.022	ug/L	0.3 %
	Ni	62	2423	469	3.6	-6.291	0.066	ug/L	1.1 %
	Cu	63	849	714	2.4	-0.012	0.004	ug/L	31.6 %
	Cu	65	761	643	3.9	-0.021	0.009	ug/L	42.8 %
>	Ge	72	140364	133365	1.8			ug/L	%
	As	75	-3091	-1869	8.5	0.648	0.117	ug/L	18.0 %
	Se	78	3811	3443	0.5	-0.430	0.142	ug/L	33.1 %
	Se	82	-22	31	151.4	0.292	0.264	ug/L	90.4 %
	Mo	94	200	176	6.5	-0.006	0.007	ug/L	119.7 %
	Mo	97	332	292	2.8	-0.010	0.004	ug/L	43.5 %
	Ag	107	421	148	12.6	-0.030	0.002	ug/L	7.4 %
	Ag	109	413	132	10.1	-0.033	0.002	ug/L	5.2 %
	Cd	111	110	90	1.9	-0.006	0.001	ug/L	12.2 %
	Cd	114	208	183	8.1	-0.003	0.003	ug/L	122.4 %
>	In	115	1213846	1130748	0.4			ug/L	%
	Sb	121	57	76	9.6	0.004	0.001	ug/L	30.1 %
	Sb	123	55	72	9.3	0.004	0.001	ug/L	31.9 %
	Ba	135	55	121	7.0	0.041	0.005	ug/L	11.2 %
	Ba	137	101	221	18.7	0.042	0.013	ug/L	30.6 %
>	Tb	159	1408670	1334648	1.9			ug/L	%
	Tl	203	514	179	9.1	-0.050	0.003	ug/L	5.8 %
	Tl	205	1223	454	9.1	-0.048	0.002	ug/L	5.1 %
	Pb	207	199	261	6.6	0.017	0.005	ug/L	29.6 %
	Pb	208	694	978	2.4	0.016	0.001	ug/L	7.6 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:09:16
Dataset File: D:\ELAN\Dataset\2003\August\081403\LCS-.029
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: LCS-
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Li**	7	150334	141147	2.1			ug/L	%
	Be	9	3	7416	0.5	**10.131**	0.178	ug/L	1.8 %
	B	10	128	1928	3.4	**10.482**	0.528	ug/L	5.0 %
	B	11	610	8766	1.5	**10.170**	0.318	ug/L	3.1 %
	Al	27	5542	191210	0.4	**14.608**	0.064	ug/L	0.4 %
>	**Sc-1**	45	671409	602909	0.5			ug/L	%
	V	51	-295	98394	4.7	**9.898**	0.419	ug/L	4.2 %
	Cr	52	11739	104897	2.0	**10.309**	0.198	ug/L	1.9 %
	Cr	53	52471	68496	2.7	**17.339**	1.291	ug/L	7.4 %
	Mn	55	3057	146785	2.0	**10.150**	0.228	ug/L	2.2 %
	Co	59	956	104625	2.1	**10.233**	0.244	ug/L	2.4 %
	Ni	60	14984	23352	1.5	**5.395**	0.187	ug/L	3.5 %
	Ni	62	2423	3677	1.2	**5.521**	0.192	ug/L	3.5 %
	Cu	63	849	48489	1.1	**10.257**	0.118	ug/L	1.1 %
	Cu	65	761	23293	2.4	**10.295**	0.272	ug/L	2.6 %
>	**Ge**	72	140364	131968	1.2			ug/L	%
	As	75	-3091	13802	0.8	**10.271**	0.117	ug/L	1.1 %
	Se	78	3811	7694	0.8	**10.121**	0.140	ug/L	1.4 %
	Se	82	-22	1704	2.5	**9.867**	0.287	ug/L	2.9 %
	Mo	94	200	15833	0.6	**9.822**	0.105	ug/L	1.1 %
	Mo	97	332	17941	0.2	**9.894**	0.049	ug/L	0.5 %
	Ag	107	421	84026	1.9	**10.047**	0.168	ug/L	1.7 %
	Ag	109	413	78351	1.5	**9.870**	0.148	ug/L	1.5 %
	Cd	111	110	20337	0.9	**10.046**	0.110	ug/L	1.1 %
	Cd	114	208	46949	0.8	**9.995**	0.127	ug/L	1.3 %
>	**In**	115	1213846	1157358	0.6			ug/L	%
	Sb	121	57	66390	0.7	**9.981**	0.100	ug/L	1.0 %
	Sb	123	55	50452	1.2	**10.014**	0.100	ug/L	1.0 %
	Ba	135	55	16781	3.1	**10.218**	0.360	ug/L	3.5 %
	Ba	137	101	29536	1.2	**10.171**	0.195	ug/L	1.9 %
>	**Tb**	159	1408670	1309122	0.8			ug/L	%
	Tl	203	514	59160	2.9	**9.797**	0.215	ug/L	2.2 %
	Tl	205	1223	142701	2.0	**9.853**	0.170	ug/L	1.7 %
	Pb	207	199	43239	0.6	**9.916**	0.125	ug/L	1.3 %
	Pb	208	694	199776	0.6	**10.037**	0.133	ug/L	1.3 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:13:58
Dataset File: D:\ELAN\Dataset\2003\August\081403\064259-001E.030
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064259-001E
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	262977	0.6			ug/L	%
	Be	9	3	5	31.2	-0.001	0.001	ug/L	234.4 %
	B	10	128	24901	4.1	76.738	2.944	ug/L	3.8 %
	B	11	610	120530	3.4	79.551	2.811	ug/L	3.5 %
	Al	27	5542	5853	11.1	0.253	0.071	ug/L	27.9 %
>	Sc-1	45	671409	430993	6.7			ug/L	%
	V	51	-295	44553	1.2	6.303	0.512	ug/L	8.1 %
	Cr	52	11739	77340	1.4	10.700	0.690	ug/L	6.4 %
	Cr	53	52471	13034	16.9	-23.271	3.582	ug/L	15.4 %
	Mn	55	3057	4165	5.4	0.219	0.051	ug/L	23.4 %
	Co	59	956	1841	4.1	0.170	0.019	ug/L	11.2 %
	Ni	60	14984	8540	1.7	-0.798	0.561	ug/L	70.4 %
	Ni	62	2423	5143	3.0	18.547	2.189	ug/L	11.8 %
	Cu	63	849	77297	18.1	22.956	2.746	ug/L	12.0 %
	Cu	65	761	35191	18.7	21.985	2.771	ug/L	12.6 %
>	Ge	72	140364	152475	1.3			ug/L	%
/	As	75	-3091	2158	3.7	2.934	0.047	ug/L	1.6 %
	Se	78	3811	3875	1.4	-0.561	0.215	ug/L	38.4 %
/	Se	82	-22	68	14.3	0.454	0.049	ug/L	10.7 %
	Mo	94	200	24651	1.6	17.235	0.271	ug/L	1.6 %
	Mo	97	332	27676	0.7	17.244	0.261	ug/L	1.5 %
	Ag	107	421	97	14.9	-0.035	0.002	ug/L	5.3 %
	Ag	109	413	81	13.4	-0.038	0.001	ug/L	3.6 %
/	Cd	111	110	247	9.1	0.086	0.011	ug/L	12.6 %
	Cd	114	208	514	4.9	0.081	0.006	ug/L	7.8 %
>	In	115	1213846	1032279	1.4			ug/L	%
/	Sb	121	57	2814	2.1	0.467	0.012	ug/L	2.5 %
	Sb	123	55	2226	2.4	0.485	0.010	ug/L	2.1 %
	Ba	135	55	100876	0.8	130.161	17.275	ug/L	13.3 %
	Ba	137	101	177982	1.1	129.865	16.795	ug/L	12.9 %
>	Tb	159	1408670	626329	12.5			ug/L	%
/	Tl	203	514	775	0.6	0.194	0.034	ug/L	17.5 %
	Tl	205	1223	1876	4.1	0.197	0.045	ug/L	22.6 %
/	Pb	207	199	2318	5.3	1.080	0.081	ug/L	7.5 %
	Pb	208	694	10341	6.3	1.063	0.069	ug/L	6.5 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:18:38
Dataset File: D:\ELAN\Dataset\2003\August\081403\064259-002E.031
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064259-002E
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	183091	0.7			ug/L	%
	Be	9	3	4	12.4	-0.001	0.001	ug/L	99.8 %
	B	10	128	18824	2.2	83.390	2.019	ug/L	2.4 %
	B	11	610	89100	1.8	84.516	2.096	ug/L	2.5 %
	Al	27	5542	10234	14.1	0.731	0.262	ug/L	35.8 %
>	Sc-1	45	671409	458067	39.3			ug/L	%
	V	51	-295	111400	2.0	16.031	4.947	ug/L	30.9 %
	Cr	52	11739	79378	4.8	11.186	3.533	ug/L	31.6 %
	Cr	53	52471	12365	5.2	-23.961	4.057	ug/L	16.9 %
	Mn	55	3057	48506	3.4	4.684	1.452	ug/L	31.0 %
	Co	59	956	8015	2.6	1.046	0.348	ug/L	33.2 %
	Ni	60	14984	5573	1.8	-2.973	1.390	ug/L	46.8 %
	Ni	62	2423	2079	32.6	3.675	6.401	ug/L	174.2 %
	Cu	63	849	5834	76.8	1.342	0.553	ug/L	41.2 %
	Cu	65	761	2979	67.4	1.357	0.448	ug/L	33.0 %
>	Ge	72	140364	141166	1.6			ug/L	%
	As	75	-3091	30328	3.7	19.211	0.363	ug/L	1.9 %
	Se	78	3811	3642	1.8	-0.439	0.041	ug/L	9.4 %
	Se	82	-22	85	12.2	0.572	0.048	ug/L	8.4 %
	Mo	94	200	7673	3.7	5.994	0.301	ug/L	5.0 %
	Mo	97	332	8428	0.7	5.825	0.155	ug/L	2.7 %
	Ag	107	421	77	4.2	-0.036	0.000	ug/L	0.8 %
	Ag	109	413	58	23.8	-0.040	0.002	ug/L	5.5 %
	Cd	111	110	99	0.8	0.011	0.002	ug/L	15.9 %
	Cd	114	208	228	8.2	0.020	0.006	ug/L	31.8 %
>	In	115	1213846	912530	1.9			ug/L	%
	Sb	121	57	1191	1.6	0.219	0.006	ug/L	2.7 %
	Sb	123	55	914	4.2	0.220	0.013	ug/L	6.1 %
	Ba	135	55	40564	2.3	48.045	20.218	ug/L	42.1 %
	Ba	137	101	71941	2.0	48.170	20.188	ug/L	41.9 %
>	Tb	159	1408670	794241	54.4			ug/L	%
	Tl	203	514	719	3.7	0.152	0.092	ug/L	60.9 %
	Tl	205	1223	1817	0.9	0.166	0.103	ug/L	61.8 %
	Pb	207	199	197	43.0	0.035	0.009	ug/L	24.6 %
	Pb	208	694	699	48.1	0.027	0.003	ug/L	12.5 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:23:13
Dataset File: D:\ELAN\Dataset\2003\August\081403\064259-001EMS.032
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064259-001EMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
[>	Li	7	150334	277161	1.8			ug/L	%
[	Be	9	3	7325	2.3	5.093	0.051	ug/L	1.0 %
[	B	10	128	25104	1.8	73.386	1.143	ug/L	1.6 %
[	B	11	610	117174	0.5	73.334	1.013	ug/L	1.4 %
[	Al	27	5542	70787	0.6	4.391	0.150	ug/L	3.4 %
[>	Sc-1	45	671409	700659	3.7			ug/L	%
[	V	51	-295	131706	2.0	11.403	0.199	ug/L	1.7 %
[	Cr	52	11739	134842	1.1	11.535	0.390	ug/L	3.4 %
[	Cr	53	52471	16629	1.3	-26.607	0.298	ug/L	1.1 %
[	Mn	55	3057	140158	0.6	8.312	0.296	ug/L	3.6 %
[	Co	59	956	99243	0.5	8.344	0.274	ug/L	3.3 %
[	Ni	60	14984	26865	1.2	5.275	0.376	ug/L	7.1 %
[	Ni	62	2423	4238	1.1	5.421	0.371	ug/L	6.8 %
[	Cu	63	849	157282	1.7	28.937	0.683	ug/L	2.4 %
[	Cu	65	761	74206	1.6	28.782	0.841	ug/L	2.9 %
[>	Ge	72	140364	137221	1.1			ug/L	%
[	As	75	-3091	22915	1.5	15.334	0.281	ug/L	1.8 %
[	Se	78	3811	9308	2.2	13.216	0.259	ug/L	2.0 %
[	Se	82	-22	2406	2.2	13.351	0.387	ug/L	2.9 %
[	Mo	94	200	36587	1.1	28.196	3.156	ug/L	11.2 %
[	Mo	97	332	41030	1.3	28.245	3.532	ug/L	12.5 %
[	Ag	107	421	72113	1.1	10.639	1.289	ug/L	12.1 %
[	Ag	109	413	69150	0.4	10.749	1.282	ug/L	11.9 %
[	Cd	111	110	19764	1.8	12.044	1.349	ug/L	11.2 %
[	Cd	114	208	45065	1.1	11.832	1.310	ug/L	11.1 %
[>	In	115	1213846	947995	12.9			ug/L	%
[	Sb	121	57	72093	0.8	13.364	1.509	ug/L	11.3 %
[	Sb	123	55	54273	1.3	13.278	1.436	ug/L	10.8 %
[	Ba	135	55	104639	0.5	59.870	1.796	ug/L	3.0 %
[	Ba	137	101	185523	0.5	60.043	2.060	ug/L	3.4 %
[>	Tb	159	1408670	1397512	3.2			ug/L	%
[	Tl	203	514	37980	4.5	5.859	0.104	ug/L	1.8 %
[	Tl	205	1223	91286	5.5	5.870	0.153	ug/L	2.6 %
[	Pb	207	199	45179	1.2	9.708	0.208	ug/L	2.1 %
[	Pb	208	694	207089	0.9	9.749	0.230	ug/L	2.4 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:27:50
Dataset File: D:\ELAN\Dataset\2003\August\081403\064259-001EMSD.033
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064259-001EMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	272814	0.7			ug/L	%
	Be	9	3	7163	1.7	**5.060**	0.106	ug/L	2.1 %
	B	10	128	24502	1.8	**72.758**	1.389	ug/L	1.9 %
	B	11	610	115403	1.7	**73.363**	0.988	ug/L	1.3 %
	Al	27	5542	70741	1.7	**4.641**	0.016	ug/L	0.4 %
>	Sc-1	45	671409	664961	1.4			ug/L	%
	V	51	-295	127411	1.0	**11.618**	0.045	ug/L	0.4 %
	Cr	52	11739	130312	0.5	**11.759**	0.161	ug/L	1.4 %
	Cr	53	52471	15487	1.6	**-26.832**	0.039	ug/L	0.1 %
	Mn	55	3057	133268	2.8	**8.321**	0.232	ug/L	2.8 %
	Co	59	956	94365	1.1	**8.354**	0.151	ug/L	1.8 %
	Ni	60	14984	25702	1.4	**5.370**	0.259	ug/L	4.8 %
	Ni	62	2423	3932	4.1	**5.116**	0.682	ug/L	13.3 %
	Cu	63	849	147591	1.0	**28.596**	0.247	ug/L	0.9 %
	Cu	65	761	70253	0.7	**28.694**	0.251	ug/L	0.9 %
>	Ge	72	140364	132319	1.3			ug/L	%
	As	75	-3091	21574	0.4	**15.014**	0.121	ug/L	0.8 %
	Se	78	3811	8959	0.8	**13.177**	0.168	ug/L	1.3 %
	Se	82	-22	2315	3.6	**13.321**	0.301	ug/L	2.3 %
	Mo	94	200	35267	0.3	**26.857**	2.486	ug/L	9.3 %
	Mo	97	332	39594	0.8	**26.910**	2.617	ug/L	9.7 %
	Ag	107	421	69508	1.1	**10.132**	1.039	ug/L	10.3 %
	Ag	109	413	66022	0.4	**10.138**	1.000	ug/L	9.9 %
	Cd	111	110	18705	1.4	**11.272**	1.200	ug/L	10.6 %
	Cd	114	208	43737	0.4	**11.351**	1.080	ug/L	9.5 %
>	In	115	1213846	955623	9.6			ug/L	%
	Sb	121	57	68467	0.4	**12.544**	1.190	ug/L	9.5 %
	Sb	123	55	52442	0.5	**12.686**	1.202	ug/L	9.5 %
	Ba	135	55	102899	1.6	**62.292**	0.797	ug/L	1.3 %
	Ba	137	101	179315	1.3	**61.397**	0.655	ug/L	1.1 %
>	Tb	159	1408670	1319987	0.4			ug/L	%
	Tl	203	514	38696	2.0	**6.328**	0.123	ug/L	1.9 %
	Tl	205	1223	93693	2.0	**6.389**	0.131	ug/L	2.1 %
	Pb	207	199	44331	0.9	**10.083**	0.111	ug/L	1.1 %
	Pb	208	694	203962	0.2	**10.162**	0.034	ug/L	0.3 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:39:24
Dataset File: D:\ELAN\Dataset\2003\August\081403\064259-002E 2X.034
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064259-002E 2X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	Li	7	150334	153292	0.6			ug/L	%
	Be	9	3	5	24.1	0.002	0.002	ug/L	78.1 %
	B	10	128	8237	1.4	43.254	0.881	ug/L	2.0 %
	B	11	610	39175	1.0	44.044	0.651	ug/L	1.5 %
	Al	27	5542	7902	2.6	0.252	0.031	ug/L	12.2 %
>	Sc-1	45	671409	581750	2.4			ug/L	%
	V	51	-295	49595	1.0	5.185	0.079	ug/L	1.5 %
	Cr	52	11739	35060	0.7	2.820	0.115	ug/L	4.1 %
	Cr	53	52471	7745	5.9	-31.714	0.230	ug/L	0.7 %
	Mn	55	3057	21311	1.0	1.363	0.043	ug/L	3.2 %
	Co	59	956	3911	2.1	0.315	0.013	ug/L	4.3 %
	Ni	60	14984	2913	3.0	-5.688	0.069	ug/L	1.2 %
	Ni	62	2423	600	1.4	-5.713	0.058	ug/L	1.0 %
	Cu	63	849	1557	2.2	0.183	0.010	ug/L	5.7 %
	Cu	65	761	978	0.6	0.151	0.013	ug/L	8.3 %
>	Ge	72	140364	123031	0.2			ug/L	%
	As	75	-3091	11965	3.7	9.675	0.283	ug/L	2.9 %
	Se	78	3811	3098	0.4	-0.639	0.048	ug/L	7.5 %
	Se	82	-22	38	78.3	0.348	0.182	ug/L	52.2 %
	Mo	94	200	4229	1.6	3.262	0.192	ug/L	5.9 %
	Mo	97	332	4726	1.2	3.201	0.185	ug/L	5.8 %
	Ag	107	421	75	6.4	-0.037	0.001	ug/L	3.7 %
	Ag	109	413	66	2.1	-0.039	0.001	ug/L	1.8 %
	Cd	111	110	103	4.0	0.013	0.002	ug/L	15.2 %
	Cd	114	208	222	1.5	0.018	0.003	ug/L	17.9 %
>	In	115	1213846	911124	6.9			ug/L	%
	Sb	121	57	545	3.1	0.096	0.007	ug/L	7.2 %
	Sb	123	55	410	6.8	0.094	0.014	ug/L	14.8 %
	Ba	135	55	18364	0.7	11.876	0.088	ug/L	0.7 %
	Ba	137	101	31865	1.6	11.653	0.182	ug/L	1.6 %
>	Tb	159	1408670	1233127	1.3			ug/L	%
	Tl	203	514	591	10.3	0.025	0.012	ug/L	49.0 %
	Tl	205	1223	1400	11.0	0.024	0.013	ug/L	51.9 %
	Pb	207	199	154	11.8	-0.005	0.005	ug/L	98.9 %
	Pb	208	694	524	6.2	-0.004	0.002	ug/L	47.3 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:44:02
Dataset File: D:\ELAN\Dataset\2003\August\081403\064259-002E 5X.035
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 064259-002E 5X
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
[>	Li	7	150334	139574	1.3			ug/L	%
[	Be	9	3	1	100.0	-0.003	0.001	ug/L	32.6 %
[	B	10	128	3401	4.9	19.229	0.740	ug/L	3.8 %
[	B	11	610	16381	4.5	19.837	0.688	ug/L	3.5 %
[	Al	27	5542	6391	5.0	0.161	0.024	ug/L	14.9 %
[>	Sc-1	45	671409	548525	1.7			ug/L	%
[	V	51	-295	22114	1.5	2.465	0.005	ug/L	0.2 %
[	Cr	52	11739	16180	2.9	0.791	0.023	ug/L	2.9 %
[	Cr	53	52471	4965	5.2	-33.796	0.185	ug/L	0.5 %
[	Mn	55	3057	8982	0.8	0.502	0.017	ug/L	3.4 %
[	Co	59	956	1940	4.4	0.126	0.006	ug/L	5.0 %
[	Ni	60	14984	1860	1.7	-6.220	0.011	ug/L	0.2 %
[	Ni	62	2423	430	2.9	-6.263	0.025	ug/L	0.4 %
[	Cu	63	849	1145	1.7	0.107	0.001	ug/L	1.4 %
[	Cu	65	761	781	3.5	0.080	0.018	ug/L	22.5 %
[>	Ge	72	140364	121145	1.7			ug/L	%
[	As	75	-3091	3695	3.0	4.260	0.034	ug/L	0.8 %
[	Se	78	3811	3025	2.2	-0.705	0.312	ug/L	44.3 %
[	Se	82	-22	60	2.8	0.488	0.017	ug/L	3.4 %
[	Mo	94	200	1713	1.5	1.128	0.066	ug/L	5.9 %
[	Mo	97	332	1983	2.4	1.113	0.060	ug/L	5.4 %
[	Ag	107	421	73	7.3	-0.038	0.000	ug/L	1.3 %
[	Ag	109	413	57	6.1	-0.042	0.000	ug/L	0.4 %
[	Cd	111	110	103	8.7	0.008	0.006	ug/L	77.9 %
[	Cd	114	208	246	10.8	0.018	0.006	ug/L	30.6 %
[>	In	115	1213846	999215	4.8			ug/L	%
[	Sb	121	57	216	8.4	0.030	0.003	ug/L	9.6 %
[	Sb	123	55	188	6.2	0.033	0.004	ug/L	10.7 %
[	Ba	135	55	7264	0.6	4.706	0.010	ug/L	0.2 %
[	Ba	137	101	12746	2.3	4.668	0.090	ug/L	1.9 %
[>	Tb	159	1408670	1226116	0.4			ug/L	%
[	Tl	203	514	706	12.1	0.046	0.016	ug/L	34.0 %
[	Tl	205	1223	1709	11.7	0.048	0.015	ug/L	32.1 %
[	Pb	207	199	205	10.2	0.008	0.005	ug/L	68.4 %
[	Pb	208	694	812	15.2	0.011	0.007	ug/L	60.9 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:48:43
Dataset File: D:\ELAN\Dataset\2003\August\081403\CCV.036
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	125676	1.5			ug/L	%
	Be	9	3	6694	1.4	10.269	0.112	ug/L	1.1 %
	B	10	128	1680	0.7	10.239	0.202	ug/L	2.0 %
	B	11	610	7875	2.5	10.266	0.400	ug/L	3.9 %
	Al	27	5542	136888	0.9	13.468	0.045	ug/L	0.3 %
>	Sc-1	45	671409	467144	0.6			ug/L	%
	V	51	-295	81882	3.8	10.630	0.392	ug/L	3.7 %
	Cr	52	11739	84891	13.5	10.819	1.603	ug/L	14.8 %
	Cr	53	52471	45260	9.2	9.147	4.063	ug/L	44.4 %
	Mn	55	3057	109755	1.2	9.788	0.120	ug/L	1.2 %
	Co	59	956	77219	0.6	9.744	0.093	ug/L	1.0 %
	Ni	60	14984	16846	0.5	4.517	0.076	ug/L	1.7 %
	Ni	62	2423	2701	3.1	4.820	0.471	ug/L	9.8 %
	Cu	63	849	36691	0.7	10.013	0.036	ug/L	0.4 %
	Cu	65	761	17837	0.3	10.171	0.036	ug/L	0.4 %
>	Ge	72	140364	103760	2.0			ug/L	%
	As	75	-3091	11223	3.7	10.559	0.180	ug/L	1.7 %
	Se	78	3811	6002	1.4	9.979	0.525	ug/L	5.3 %
	Se	82	-22	1379	4.3	10.149	0.423	ug/L	4.2 %
	Mo	94	200	11942	1.4	9.424	0.295	ug/L	3.1 %
	Mo	97	332	13614	1.4	9.547	0.126	ug/L	1.3 %
	Ag	107	421	64840	0.8	9.866	0.268	ug/L	2.7 %
	Ag	109	413	62106	2.5	9.959	0.415	ug/L	4.2 %
	Cd	111	110	15661	1.7	9.845	0.344	ug/L	3.5 %
	Cd	114	208	36361	1.2	9.849	0.192	ug/L	2.0 %
>	In	115	1213846	909692	1.9			ug/L	%
	Sb	121	57	54220	1.0	10.373	0.236	ug/L	2.3 %
	Sb	123	55	41249	0.6	10.419	0.183	ug/L	1.8 %
	Ba	135	55	13395	0.6	9.694	0.072	ug/L	0.7 %
	Ba	137	101	23526	1.1	9.629	0.118	ug/L	1.2 %
>	Tb	159	1408670	1101169	1.2			ug/L	%
	Tl	203	514	51223	2.3	10.087	0.112	ug/L	1.1 %
	Tl	205	1223	123583	1.0	10.148	0.139	ug/L	1.4 %
	Pb	207	199	37607	0.7	10.255	0.193	ug/L	1.9 %
	Pb	208	694	172708	0.3	10.316	0.116	ug/L	1.1 %

Quantitative Analysis Summary

Sample Date/Time: Thursday, August 14, 2003 15:53:26
Dataset File: D:\ELAN\Dataset\2003\August\081403\CCB.037
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 c15low.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	150334	125979	2.4			ug/L	%
	Be	9	3	4	52.9	0.002	0.003	ug/L	198.2 %
	B	10	128	183	6.7	0.489	0.069	ug/L	14.2 %
	B	11	610	866	5.2	0.495	0.088	ug/L	17.8 %
	Al	27	5542	4221	1.5	0.027	0.007	ug/L	23.8 %
>	Sc-1	45	671409	477832	0.6			ug/L	%
	V	51	-295	-942	53.3	-0.093	0.064	ug/L	69.2 %
	Cr	52	11739	8386	2.4	0.004	0.029	ug/L	667.2 %
	Cr	53	52471	43815	4.4	6.626	2.016	ug/L	30.4 %
	Mn	55	3057	1118	10.0	-0.094	0.010	ug/L	10.6 %
	Co	59	956	646	5.5	-0.004	0.004	ug/L	97.1 %
	Ni	60	14984	731	4.8	-6.832	0.026	ug/L	0.4 %
	Ni	62	2423	301	4.3	-6.602	0.058	ug/L	0.9 %
	Cu	63	849	601	2.5	-0.001	0.005	ug/L	551.4 %
	Cu	65	761	569	6.8	0.015	0.022	ug/L	142.5 %
>	Ge	72	140364	106061	2.4			ug/L	%
	As	75	-3091	-1433	17.0	0.691	0.177	ug/L	25.7 %
	Se	78	3811	2716	1.8	-0.498	0.084	ug/L	16.8 %
	Se	82	-22	17	21.0	0.234	0.024	ug/L	10.3 %
	Mo	94	200	131	12.2	-0.016	0.013	ug/L	79.6 %
	Mo	97	332	223	6.0	-0.020	0.010	ug/L	50.6 %
	Ag	107	421	136	20.4	-0.028	0.004	ug/L	15.5 %
	Ag	109	413	120	5.4	-0.031	0.001	ug/L	3.6 %
	Cd	111	110	66	3.5	-0.011	0.001	ug/L	12.6 %
	Cd	114	208	140	10.6	-0.005	0.004	ug/L	83.7 %
>	In	115	1213846	917735	0.5			ug/L	%
	Sb	121	57	57	5.6	0.003	0.001	ug/L	21.3 %
	Sb	123	55	51	13.6	0.002	0.002	ug/L	72.1 %
	Ba	135	55	43	2.8	0.000	0.001	ug/L	725.0 %
	Ba	137	101	89	9.7	0.003	0.004	ug/L	104.8 %
>	Tb	159	1408670	1115172	0.7			ug/L	%
	Tl	203	514	347	23.4	-0.012	0.015	ug/L	130.1 %
	Tl	205	1223	824	20.9	-0.012	0.014	ug/L	115.7 %
	Pb	207	199	151	7.6	-0.002	0.003	ug/L	175.1 %
	Pb	208	694	608	7.8	0.003	0.003	ug/L	75.4 %