APCL Project: #3112

ATL #: 062913

Advanced Technology Laboratories

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

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APCL #: **#3113**

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
062913-001A	MW-17-5	Water	4/28/2003	5/21/2003	5/29/2003
062913-002A	MW-17-4	Water	4/28/2003	5/21/2003	5/29/2003
062913-003A	MW-17-3	Water	4/28/2003	5/21/2003	5/29/2003
062913-004A	MW-17-2	Water	4/28/2003	5/21/2003	5/29/2003
062913-005A	MW-17-1	Water	4/28/2003	5/21/2003	5/29/2003
062913-006A	EB-6-4/28/03	Water	4/28/2003	5/21/2003	5/29/2003
062913-007A	MW-24-5	Water	4/29/2003	5/21/2003	5/29/2003
062913-008A	MW-24-3	Water	4/29/2003	5/21/2003	5/29/2003
062913-009A	MW-24-2	Water	4/29/2003	5/21/2003	5/29/2003
062913-010A	MW-24-1	Water	4/29/2003	5/21/2003	5/29/2003
062913-011A	EB-7-4/29/03	Water	4/29/2003	5/21/2003	5/29/2003
062913-012A	DUPE-4-2Q03	Water	4/29/2003	5/21/2003	5/29/2003
062913-013A	MW-23-5	Water	4/30/2003	5/21/2003	5/29/2003
062913-014A	MW-23-4	Water	4/30/2003	5/21/2003	5/29/2003
062913-015A	MW-23-3	Water	4/30/2003	5/21/2003	5/29/2003
062913-016A	MW-23-2	Water	4/30/2003	5/21/2003	5/29/2003
062913-017A	MW-23-1	Water	4/30/2003	5/21/2003	5/29/2003
062913-018A	EB-8-4/30/03	Water	4/30/2003	5/21/2003	5/29/2003
062913-019A	MW-3-5	Water	5/1/2003	5/21/2003	5/29/2003
062913-020A	MW-3-4	Water	5/1/2003	5/21/2003	5/29/2003
062913-021A	MW-3-3	Water	5/1/2003	5/21/2003	5/29/2003
062913-022A	MW-3-2	Water	5/1/2003	5/21/2003	5/29/2003
062913-023A	MW-3-1	Water	5/1/2003	5/21/2003	5/29/2003
062913-024A	EB-9-5/1/03	Water	5/1/2003	5/21/2003	5/29/2003
062913-025A	DUPE-52Q03	Water	5/1/2003	5/21/2003	5/29/2003
062913-026A	MW-11-5	Water	5/6/2003	5/21/2003	5/29/2003
062913-027A	MW-11-4	Water	5/6/2003	5/21/2003	5/29/2003
062913-028A	MW-11-3	Water	5/6/2003	5/21/2003	5/29/2003
062913-029A	MW-11-2	Water	5/6/2003	5/21/2003	5/29/2003

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

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
062913-030A	MW-11-1	Water	5/6/2003	5/21/2003	5/29/2003
062913-031A	EB-10-5/6/03	Water	5/6/2003	5/21/2003	5/29/2003
062913-032A	MW-12-5	Water	5/7/2003	5/21/2003	5/29/2003
062913-033A	MW-12-4	Water	5/7/2003	5/21/2003	5/29/2003
062913-034A	MW-12-3	Water	5/7/2003	5/21/2003	5/29/2003
062913-035A	MW-12-2	Water	5/7/2003	5/21/2003	5/29/2003
062913-036A	MW-12-1	Water	5/7/2003	5/21/2003	5/29/2003
062913-037A	EB-11-5/7/03	Water	5/7/2003	5/21/2003	5/29/2003
062913-038A	DUPE-6-2Q03	Water	5/7/2003	5/21/2003	5/29/2003
062913-039A	MW-24-4	Water	4/29/2003	5/21/2003	5/29/2003

Advanced Technology Laboratories
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Sample Receiving Items

Advanced Technology Laboratories

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

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

Subcontract Lab: ATL
Contact: Paul
Tel #: (562) 989-4045 Fax #: (562) 989-4040
Address: 3275 Walnut Avenue
City: Signal Hill
State: CA
Zip code: 90807
APCL Client: #3112
APCL Contact: Penny Chan
Project Name/Code: JPL
Job #
BILL TO APCL
Sub Quotation #
Due Date: ☒ regular ☐ rush: ___ days ___ hours
Sampled by: Leo Williamson

White – With report
Yellow – Lab copy
Pink – Originator

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	Cr 2008	Pb 200.8	Remarks
MW-17-5		4/28/03	0800	W	HNO_3	1	X	X	
MW-17-4			0950				X	X	
MW-17-3			1035			↓	X	X	
MW-17-2			1150			2	X	X	← MS/MSD
MW-17-1			1230			1	X	X	
EB-6-4/28/03		↓	1050				X	X	Level 4 pkg and EDD
MW-24-5		4/29/03	0840				X	X	
MW-24-3			1040				X	X	
MW-24-2			1210				X	X	
MW-24-1			1400				X	X	
EB-7-4/29/03			0955				X	X	
DUPE-4-29-03		↓	—				X	X	
MW-23-5		4/30/03	0820				X	X	
MW-23-4			0900				X	X	
MW-23-3		↓	0940	↓	↓	↓	X	X	

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 (4.4 °C).

Relinquished by [signature] Date/Time 5/21/03 / 0800 Received by G. Gunkelter Date/Time 5-21-03 / 0800

Relinquished by G. Gunkelter Date/Time 5-21-03 / 11:14 Received by [signature] Date/Time 052103 / 11:20

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. 17, 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

Subcontract Lab: ATL
Contact: Puri
Tel #: (562) 989-4045 Fax #: (562) 989-4040
Address: 3275 Walnut Avenue
City: Signal Hill
State: CA
Zip code: 90807
APCL Client: #3112
APCL Contact: Kenny Chan
Project Name/Code: JPL
Job #
BILL TO APCL
Sub Quotation #
Due Date: ☐regular ☐rush: ____ days ____ hours
Sampled by: Leo Williason

Analysis Items

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	Cr 2008	Pb 2008										Remarks
MW-23-2		4/30/03	1025	W	HNO_3	1	X	X										
MW-23-1		↓	1100				X	X										
EB-8-4/30/03			0835				X	X										Level 4 pkg
MW-3-5		5/1/03	0750				X	X										and EDD
MW-3-4			0945				X	X										
MW-3-3			0925				X	X										
MW-3-2			1050				X	X										
MW-3-1			1130				X	X										
EB-9-5/1/03			0805				X	X										
DUPE-5-2-03			—				X	X										
MW-11-5		5/6/03	0755				X	X										
MW-11-4			0840				X	X										
MW-11-3			0950			2	X	X										← MS/MSD
MW-11-2			1030			1	X	X										
MW-11-1			1105				X	X										

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 (4.4 °C).

Relinquished by [signature] Date/Time 5/21/03 / 0800 Received by [signature] Date/Time 5-21-03 / 0800

Relinquished by [signature] Date/Time 5-21-03 / 1114 Received by [signature] Date/Time 052103 / 11:20 AM

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.

Applied P & Ch Laboratory

Subcontract Chain of Custody

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

Please Print in pen

Subcontract Lab: ATL
Contact: Puri
Tel #: (562) 989-4045
Fax #: (562) 989-4040
Address: 3225 Walnut Avenue
City: Signal Hill
State: CA
Zip code: 90807
APCL Client: #312
APCL Contact:
Project Name/Code JPL
Job #
BILL TO APCL
Sub Quotation #
Due Date: ☐regular ☐rush: ___ days ___ hours
Sampled by: Leo Williamson

White – With report
Yellow – Lab copy
Pink – Originator

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preser-vation	# of Containers	Analysis Items: Cr 2028	Analysis Items: Pb 2028	Remarks
EB-10-5/6/03		5/6/03	0855	DW	HNO_3	1	X	X	
MW-12-5		5/7/03	0750				X	X	Level 4 pkg. and EDD
MW-12-4			0830				X	X	
MW-12-3			0940				X	X	
MW-12-2			1020				X	X	
MW-12-1			1100				X	X	
EB-11 5/7/03			0850				X	X	
DUPE-6-2-03			—				X	X	
MW-24-4		4/29/03	0935				X	X	

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 (4.4 °C).

Relinquished by [signature] Date/Time 5/21/03 / 0800 Received by [signature] Date/Time 5-21-03 / 0800

Relinquished by [signature] Date/Time 5-21-03 11:14 Received by [signature] Date/Time 052103 / 11:20

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. 17, 2003.

INORGANICS COMPLETE INVENTORY SHEET

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: #3112

Laboratory Name: Advanced Technology Laboratories
Laboratory Address: 3275 Walnut Avenue, Signal Hill, CA 90807

ATL Number: 062913
Date Sampled: 04/28/03
Date Received: 05/20/03

Method 200.8 (Metals)

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	Initial Calibration Verification and Continuing Calibration Verification/External Reference Standard	026-029
	Tune File	030-033
	Internal Standard Table	034-035
Raw QC Data	Blank Report Sheet	036-037
	Spike Sample Recovery	039
	Laboratory Control Spike Report	038
	Duplicate Report Sheet	040
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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-001
Client Sample ID: MW-17-5
Collection Date: 4/28/2003 8:00:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
			EPA 200.8			
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	1.6	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-002
Client Sample ID: MW-17-4
Collection Date: 4/28/2003 9:50:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
			EPA 200.8			
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	2.2	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-003
Client Sample ID: MW-17-3
Collection Date: 4/28/2003 10:35:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
			EPA 200.8			
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	3.0	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-004 **Collection Date:** 4/28/2003 11:50:00 AM
Client Sample ID: MW-17-2 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	2.0	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-005 **Collection Date:** 4/28/2003 12:30:00 PM
Client Sample ID: MW-17-1 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	2.9	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-006 **Collection Date:** 4/28/2003 10:50:00 AM
Client Sample ID: EB-6-4/28/03 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-007
Client Sample ID: MW-24-5
Collection Date: 4/29/2003 8:40:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	4.1	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-008
Client Sample ID: MW-24-3
Collection Date: 4/29/2003 10:40:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	2.2	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-009
Client Sample ID: MW-24-2
Collection Date: 4/29/2003 12:10:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	2.3	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-010 **Collection Date:** 4/29/2003 2:00:00 PM
Client Sample ID: MW-24-1 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	5.7	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-011 **Collection Date:** 4/29/2003 9:55:00 AM
Client Sample ID: EB-7-4/29/03 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-012 **Collection Date:** 4/29/2003
Client Sample ID: DUPE-4-2Q03 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	2.0	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-013
Collection Date: 4/30/2003 8:20:00 AM
Client Sample ID: MW-23-5
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	1.7	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-014
Collection Date: 4/30/2003 9:00:00 AM
Client Sample ID: MW-23-4
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	2.2	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-015
Collection Date: 4/30/2003 9:40:00 AM
Client Sample ID: MW-23-3
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	3.7	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-016 **Collection Date:** 4/30/2003 10:25:00 AM
Client Sample ID: MW-23-2 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	2.9	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-017 **Collection Date:** 4/30/2003 11:00:00 AM
Client Sample ID: MW-23-1 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	4.4	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-018 **Collection Date:** 4/30/2003 8:35:00 AM
Client Sample ID: EB-8-4/30/03 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-019
Collection Date: 5/1/2003 7:50:00 AM
Client Sample ID: MW-3-5
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-020
Collection Date: 5/1/2003 9:45:00 AM
Client Sample ID: MW-3-4
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030523A	QC Batch: R27659			PrepDate:		Analyst: **NS**
Chromium	1.7	1.0		µg/L	1	5/23/2003
Lead	ND	1.0		µg/L	1	5/23/2003

Lab ID: 062913-021
Collection Date: 5/1/2003 9:25:00 AM
Client Sample ID: MW-3-3
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-022 **Collection Date:** 5/1/2003 10:50:00 AM
Client Sample ID: MW-3-2 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.6	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-023 **Collection Date:** 5/1/2003 11:30:00 AM
Client Sample ID: MW-3-1 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	2.1	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-024 **Collection Date:** 5/1/2003 8:05:00 AM
Client Sample ID: EB-9-5/1/03 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-025
Collection Date: 5/1/2003
Client Sample ID: DUPE-52Q03
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.9	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-026
Collection Date: 5/6/2003 7:55:00 AM
Client Sample ID: MW-11-5
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.1	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-027
Collection Date: 5/6/2003 8:40:00 AM
Client Sample ID: MW-11-4
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-028 **Collection Date:** 5/6/2003 9:50:00 AM
Client Sample ID: MW-11-3 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.5	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-029 **Collection Date:** 5/6/2003 10:30:00 AM
Client Sample ID: MW-11-2 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-030 **Collection Date:** 5/6/2003 11:05:00 AM
Client Sample ID: MW-11-1 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.3	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-031
Client Sample ID: EB-10-5/6/03
Collection Date: 5/6/2003 8:55:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	2.1	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-032
Client Sample ID: MW-12-5
Collection Date: 5/7/2003 7:50:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.2	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-033
Client Sample ID: MW-12-4
Collection Date: 5/7/2003 8:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.3	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-034
Client Sample ID: MW-12-3
Collection Date: 5/7/2003 9:40:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.3	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-035
Client Sample ID: MW-12-2
Collection Date: 5/7/2003 10:20:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	2.9	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-036
Client Sample ID: MW-12-1
Collection Date: 5/7/2003 11:00:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	9.7	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Project: #3112, JPL
Lab Order: 062913

Lab ID: 062913-037
Client Sample ID: EB-11-5/7/03
Collection Date: 5/7/2003 8:50:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-038
Client Sample ID: DUPE-6-2Q03
Collection Date: 5/7/2003
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	1.3	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

Lab ID: 062913-039
Client Sample ID: MW-24-4
Collection Date: 4/29/2003 9:35:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS						
				EPA 200.8		
RunID: ICP4_030527A	QC Batch: R27686			PrepDate:		Analyst: **NS**
Chromium	ND	1.0		µg/L	1	5/27/2003
Lead	ND	1.0		µg/L	1	5/27/2003

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-Sample exceding holding time

Results are wet unless othewise specified

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL
ATL Number: 062913
Date Received: 05/21/03

(EPA 200.8) - INITIAL CALIBRATION

Instrument ID: ICP4
Date(s) Analyzed: 05/27/03

Initial Calibration:

	INTENSITY				
COMPOUND	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	r2
Chromium	12536	47329	86492	164420	0.9999
Lead	1844	15013	29646	57965	0.9999

Standard Concentration:	0.5 ppb	5 ppb	10 ppb	20 ppb
Standard ID:	MST030523E	MST030523D	MST030523C	MST030523B

Calibration Acceptance Criteria: > 0.995 Correlation

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL
ATL Number: 062913
Date Received: 05/21/03

(EPA 200.8) - INITIAL CALIBRATION

Instrument ID: ICP4
Date(s) Analyzed: 05/27/03

Initial Calibration:

	INTENSITY				
COMPOUND	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	r2
Chromium	8543	31253	55947	107295	0.9999
Lead	1425	11576	22850	45937	0.9999

Standard Concentration:	0.5 ppb	5 ppb	10 ppb	20 ppb
Standard ID:	MST030527E	MST030527D	MST030527C	MST030527B

Calibration Acceptance Criteria: > 0.995 Correlation

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL
ATL Number: 062725
Date Received: 05/21/03

(EPA 200.8) INITIAL AND CONTINUING CALIBRATION VERFICATION

(EXTERNAL REFERENCE STANDARD)

Instrument ID: ICP4

Date Analyzed: 05/27/2003

	Source:	Standard Code:
Initial Calibration Verification:	Leeman	MST030527G
Continuing Calibration Verification:	Leeman	MST030527G

QC Batch Number: R27686

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found CCV1	Continuing Calibration %R(1)	Continuing Calibration Found CCV2	Continuing Calibration %R(1)	M
Chromium	10.0	10.21	102	10.0	10.07	101	9.99	100	
Lead	10.0	10.08	101	10.0	10.50	105	10.5	105	

ICV Limits: 90 -110%
CCV Limits: 85 -115%

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL
ATL Number: 062725
Date Received: 05/21/03

(EPA 200.8) INITIAL AND CONTINUING CALIBRATION VERFICATION

(EXTERNAL REFERENCE STANDARD)

Instrument ID: ICP4

Date Analyzed: 05/27/2003

	Source:	Standard Code:
Initial Calibration Verification:	Leeman	MST030527G
Continuing Calibration Verification:	Leeman	MST030527G

QC Batch Number: R27686

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found CCV3	Continuing Calibration %R(1)	Continuing Calibration Found CCV4	Continuing Calibration %R(1)	M
Chromium	10.0	10.21	102	10.0	10.23	102		0	
Lead	10.0	10.08	101	10.0	10.48	105		0	

ICV Limits: 90 -110%
CCV Limits: 85 -115%

027

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL
ATL Number: 062725
Date Received: 05/21/03

(EPA 200.8) INITIAL AND CONTINUING CALIBRATION VERFICATION
(EXTERNAL REFERENCE STANDARD)

Instrument ID: ICP4

Date Analyzed: 05/27/2003

	Source:	Standard Code:
Initial Calibration Verification:	Leeman	MST030523G
Continuing Calibration Verification:	Leeman	MST030523G

QC Batch Number: R27659

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found CCV1	Continuing Calibration %R(1)	Continuing Calibration Found CCV2	Continuing Calibration %R(1)	M
Chromium	10.0	10.55	106	10.0	10.24	102	10.14	101	
Lead	10.0	10.23	102	10.0	10.86	109	10.7	107	

ICV Limits: 90 -110%
CCV Limits: 85 -115%

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL
ATL Number: 062725
Date Received: 05/21/03

(EPA 200.8) INITIAL AND CONTINUING CALIBRATION VERFICATION

(EXTERNAL REFERENCE STANDARD)

Instrument ID: ICP4

Date Analyzed: 05/27/2003

	Source:	Standard Code:
Initial Calibration Verification:	Leeman	MST030523G
Continuing Calibration Verification:	Leeman	MST030523G

QC Batch Number: R27659

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found CCV3	Continuing Calibration %R(1)	Found CCV4	%R(1)	M
Chromium	10.0	10.55	106	10.0	10.14	101		0	
Lead	10.0	10.23	102	10.0	11.03	110		0	

ICV Limits: 90 -110%
CCV Limits: 85 -115%

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

Instrument Tuning Report

File Name: 030523.tun
File Path: D:\ELAN\TUNING\2003\May

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Be	9.012	9.027	2040	2040	0.727	
Mg	23.985	23.979	5696	2020	0.721	
Rh	102.905	102.879	24969	1955	0.758	
Ce	139.905	139.879	33968	2010	0.786	
Pb	207.977	207.978	50417	2270	0.769	
U	238.050	238.074	57650	2435	0.776	

Daily Performance Report

Sample ID: 030523-daily
Sample Date/Time: Friday, May 23, 2003 10:02:12
Sample Description:
Method File: c:\elandata\Method\Daily.mth
Dataset File: d:\elan\daily performance\2003\may\030523-daily.020
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	51284.9	51284.895	418.549	0.8
	Rh	102.9	168790.0	168790.041	2295.034	1.4
	In	114.9	203873.2	203873.169	2149.320	1.1
	Pb	208.0	75935.4	75935.418	336.844	0.4
⌈>	Ba	137.9	156303.2	156303.190	1300.142	0.8
⌊	Ba++	69.0	4751.9	0.030	0.000	1.0
⌈>	Ce	139.9	192240.2	192240.151	1470.781	0.8
⌊	CeO	155.9	5762.3	0.030	0.001	2.4
	Bkgd	220.0	4.5	4.533	0.953	21.0

Current Optimization File Data

Current Value	Description
0.84	Nebulizer Gas Flow
7.00	Lens Voltage
1100.00	ICP RF Power
-1850.00	Analog Stage Voltage
1700.00	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	21	6.2	5638.8
Co	59	21	6.6	122542.0
In	115	21	7.0	284105.2

Instrument Tuning Report

File Name: 030527.tun
File Path: D:\ELAN\TUNING\2003\May

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Be	9.012	8.978	2058	2040	0.726	
Mg	23.985	23.979	5692	2020	0.727	
Rh	102.905	102.879	24967	1955	0.763	
Ce	139.905	139.879	33966	2010	0.786	
Pb	207.977	207.979	50417	2270	0.772	
U	238.050	238.075	57625	2435	0.786	

Daily Performance Report

Sample ID: 030527-daily
Sample Date/Time: Tuesday, May 27, 2003 10:16:50
Sample Description:
Method File: c:\elandata\Method\Daily.mth
Dataset File: d:\elan\daily performance\2003\may\030527-daily.024
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	46014.9	46014.862	471.008	1.0
	Rh	102.9	146524.4	146524.358	1039.502	0.7
	In	114.9	178027.2	178027.220	610.236	0.3
	Pb	208.0	64543.0	64543.020	655.240	1.0
⌈>	Ba	137.9	133936.1	133936.120	478.412	0.4
⌊	Ba++	69.0	3696.5	0.028	0.000	0.6
⌈>	Ce	139.9	165627.0	165627.035	1177.560	0.7
⌊	CeO	155.9	4893.4	0.030	0.000	1.4
	Bkgd	220.0	2.9	2.933	0.641	21.9

Current Optimization File Data

Current Value	Description
0.85	Nebulizer Gas Flow
7.00	Lens Voltage
1100.00	ICP RF Power
-1850.00	Analog Stage Voltage
1700.00	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	21	6.2	5638.8
Co	59	21	6.6	122542.0
In	115	21	7.0	284105.2

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL
ATL Number: 062913
Date Received: 03/05/03

Instrument ID: ICP4 | Internal Standard ID: MST030418A

Date Analyzed: 05/12/2003 | Standard Concentration: 50 ug/L

QC Batch: R27659

			Scandium		Terbium	
			Area	% Rec	Area	% Rec
	Calibration Blank		555845	---	1061673	---
	Sample	APCL				
Lab ID	Description	Lab ID:				
MB-R27659	---	--	559600	101	1054406	99
LCS-R27659	---	--	555907	100	1046074	99
062913-001A	MW-17-5	--	669726	120	1035298	98
062913-002A	MW-17-4	--	666235	120	1065550	100
062913-003A	MW-17-3	--	673828	121	1069395	101
062913-004A	MW-17-2	--	636266	114	1072463	101
062913-004ADUP	MW-17-2	--	627234	113	1074138	101
062913-004AMS	MW-17-2	--	625674	113	1076437	101
062913-004AMSD	MW-17-2	--	612570	110	1077049	101
062913-005A	MW-17-1	--	594546	107	1065512	100
062913-006A	EB-6-4/28/03	--	519745	94	1043185	98
062913-007A	MW-24-5	--	600348	108	1060443	100
062913-008A	MW-24-3	--	620056	112	1068899	101
062913-009A	MW-24-2	--	620292	112	1061299	100
062913-010A	MW-24-1		598055	108	1062361	100
062913-011A	EB-7-4/29/03		527119	95	1045939	99
062913-012A	DUPE-4-2Q03		602113	108	1043597	98
062913-013A	MW-23-5		584440	105	1068278	101
062913-013ADUP	MW-23-5		591831	106	1080425	102
062913-014A	MW-23-4		621071	112	1086738	102
062913-015A	MW-23-3		591604	106	1037137	98
062913-016A	MW-23-2		609289	110	1029438	97
062913-017A	MW-23-1		607769	109	1021466	96
062913-018A	EB-8-4/30/03		485659	87	1016228	96
062913-019A	MW-3-5		531471	96	1036716	98
062913-020A	MW-3-4		543538	98	1035529	98

* Outside Acceptance Criteria

Acceptance Criteria: 60-125%

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL
ATL Number: 062913
Date Received: 05/21/03

Internal Standard ID: MST030418A

Standard Concentration: 50 ug/L

Instrument ID: ICP4

Date Analyzed: 05/12/2003

QC Batch: R27686

			Scandium		Indium	
			Area	% Rec	Area	% Rec
	Calibration Blank		374615	---	783172	---
Lab ID	Sample Description	APCL Lab ID:				
MB-R27686	---	--	391343	104	827276	106
LCS-R27686	---	--	395299	106	851619	109
062913-028A	MW-11-3	--	443185	118	845945	108
062913-028ADUP	MW-11-3	--	444243	119	853410	109
062913-028AMS	MW-11-3	--	441463	118	854930	109
062913-028AMSD	MW-11-3	--	438644	117	864193	110
062913-021A	MW-3-3	--	428223	114	851043	109
062913-022A	MW-3-2	--	438610	117	851695	109
062913-023A	MW-3-1	--	431063	115	856400	109
062913-024A	EB-9-5/1/03	--	388988	104	853041	109
062913-025A	DUPE-52Q03	--	444952	119	870423	111
062913-026A	MW-11-5	--	430372	115	882385	113
062913-027A	MW-11-4	--	438684	117	880224	112
062913-029A	MW-11-2		436334	116	883302	113
062913-030A	MW-11-1		443580	118	880117	112
062913-031A	EB-10-5/6/03		386917	103	876649	112
062913-032A	MW-12-5		450481	120	879219	112
062913-033A	MW-12-4		450812	120	884500	113
062913-034A	MW-12-3		440579	118	898494	115
062913-035A	MW-12-2		468041	125	910947	116
062913-036A	MW-12-1		452927	121	912075	116
062913-037A	EB-11-5/7/03		402988	108	897516	115

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL

ATL Number: 062913
Date Received: 05/21/03

(EPA 200.8) METHOD BLANKS *

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

Dilution Factor: 1
Matrix: Water
Date Analyzed: 05/27/2003

QC Batch Number: R27659

Analyte	DLR	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Chromium	1	0.228		0.277		0.209		0.279		0.128		PM
Lead	1	-0.026		-0.001		-0.016		0.002		0.008		

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: JPL

ATL Number: 062913
Date Received: 05/21/03

(EPA 200.8) METHOD BLANKS *

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

Dilution Factor: 1
Matrix: Water
Date Analyzed: 05/27/2003

QC Batch Number: R27686

Analyte	DLR	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Chromium	1	0.127		-0.022		0.020		0.021		0.138		PM
Lead	1	0.001		0.007		0.009		0.018		-0.002		

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Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *29-May-03*

CLIENT: Applied P & Ch Laboratories
Work Order: 062913
Project: #3112, JPL

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: **MB-R27659** SampType: **MBLK** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030523A**
Client ID: **ZZZZZ** Batch ID: **R27659** TestNo: **EPA 200.8** Analysis Date: **5/23/2003** SeqNo: **416365**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.128	1.0									J
Lead	ND	1.0									

Sample ID: **MB-R27686** SampType: **MBLK** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030527A**
Client ID: **ZZZZZ** Batch ID: **R27686** TestNo: **EPA 200.8** Analysis Date: **5/27/2003** SeqNo: **416849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.138	1.0									J
Lead	ND	1.0									

Sample ID: **LCS-R27659** SampType: **LCS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030523A**
Client ID: **ZZZZZ** Batch ID: **R27659** TestNo: **EPA 200.8** Analysis Date: **5/23/2003** SeqNo: **416364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.4	1.0	10	0	104	85	115	0	0		
Lead	10.2	1.0	10	0	102	85	115	0	0		

Sample ID: **LCS-R27686** SampType: **LCS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030527A**
Client ID: **ZZZZZ** Batch ID: **R27686** TestNo: **EPA 200.8** Analysis Date: **5/27/2003** SeqNo: **416848**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.06	1.0	10	0	101	85	115	0	0		
Lead	9.92	1.0	10	0	99.2	85	115	0	0		

Sample ID: **062913-004AMS** SampType: **MS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030523A**
Client ID: **MW-17-2** Batch ID: **R27659** TestNo: **EPA 200.8** Analysis Date: **5/23/2003** SeqNo: **416346**

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

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

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

CLIENT: Applied P & Ch Laboratories
Work Order: 062913
Project: #3112, JPL

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: **062913-004AMS** SampType: **MS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030523A**
Client ID: **MW-17-2** Batch ID: **R27659** TestNo: **EPA 200.8** Analysis Date: **5/23/2003** SeqNo: **416346**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.59	1.0	10	2.03	85.6	80	120	0	0		
Lead	9.93	1.0	10	0.141	97.9	80	120	0	0		

Sample ID: **062913-028AMS** SampType: **MS** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030527A**
Client ID: **MW-11-3** Batch ID: **R27686** TestNo: **EPA 200.8** Analysis Date: **5/27/2003** SeqNo: **416835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.21	1.0	10	1.518	87	80	120	0	0		
Lead	9.7	1.0	10	0	97	80	120	0	0		

Sample ID: **062913-004AMSD** SampType: **MSD** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030523A**
Client ID: **MW-17-2** Batch ID: **R27659** TestNo: **EPA 200.8** Analysis Date: **5/23/2003** SeqNo: **416347**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.62	1.0	10	2.03	85.9	80	120	10.59	0.311	20	
Lead	9.871	1.0	10	0.141	97.3	80	120	9.93	0.596	20	

Sample ID: **062913-028AMSD** SampType: **MSD** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030527A**
Client ID: **MW-11-3** Batch ID: **R27686** TestNo: **EPA 200.8** Analysis Date: **5/27/2003** SeqNo: **416836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	10.34	1.0	10	1.518	88.2	80	120	10.21	1.19	20	
Lead	9.7	1.0	10	0	97	80	120	9.7	0	20	

Sample ID: **062913-004ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030523A**
Client ID: **MW-17-2** Batch ID: **R27659** TestNo: **EPA 200.8** Analysis Date: **5/23/2003** SeqNo: **416366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.962	1.0	0	0	0	0	0	2.03	3.41	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

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

CLIENT: Applied P & Ch Laboratories
Work Order: 062913
Project: #3112, JPL

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W

Sample ID: **062913-004ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030523A**
Client ID: **MW-17-2** Batch ID: **R27659** TestNo: **EPA 200.8** Analysis Date: **5/23/2003** SeqNo: **416366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0	0	0	0	0	0	0.141	0	30	

Sample ID: **062913-013ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030523A**
Client ID: **MW-23-5** Batch ID: **R27659** TestNo: **EPA 200.8** Analysis Date: **5/23/2003** SeqNo: **416367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.71	1.0	0	0	0	0	0	1.657	3.15	30	
Lead	0.546	1.0	0	0	0	0	0	0.573	0	30	J

Sample ID: **062913-028ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030527A**
Client ID: **MW-11-3** Batch ID: **R27686** TestNo: **EPA 200.8** Analysis Date: **5/27/2003** SeqNo: **416850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.435	1.0	0	0	0	0	0	1.518	5.62	30	
Lead	ND	1.0	0	0	0	0	0	0	0	30	

Sample ID: **062913-039ADUP** SampType: **DUP** TestCode: **200.8_W** Units: **µg/L** Prep Date: Run ID: **ICP4_030527A**
Client ID: **MW-24-4** Batch ID: **R27686** TestNo: **EPA 200.8** Analysis Date: **5/27/2003** SeqNo: **416851**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.398	1.0	0	0	0	0	0	0.339	0	30	J
Lead	ND	1.0	0	0	0	0	0	0	0	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

040

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: #3112
ATL Number: 062913
Date Received: 05/21/03

HOLDING TIME SUMMARY _ EPA 200.8

	Lab Sample ID	Client Sample ID	Sample Description	Date Sampled	Date Digested	Contract Holding Time
1	062913-001A	MW-17-5		04/28/2003	N/A	6 Months
2	062913-002A	MW-17-4		04/28/2003	N/A	6 Months
3	062913-003A	MW-17-3		04/28/2003	N/A	6 Months
4	062913-004A	MW-17-2		04/28/2003	N/A	6 Months
5	062913-005A	MW-17-1		04/28/2003	N/A	6 Months
6	062913-006A	EB-6-4/28/03		04/28/2003	N/A	6 Months
7	062913-007A	MW-24-5		04/29/2003	N/A	6 Months
8	062913-008A	MW-24-3		04/29/2003	N/A	6 Months
9	062913-009A	MW-24-2		04/29/2003	N/A	6 Months
10	062913-010A	MW-24-1		04/29/2003	N/A	6 Months
11	062913-011A	EB-7-4/29/03		04/29/2003	N/A	6 Months
12	062913-012A	DUPE-4-2Q03		04/29/2003	N/A	6 Months
13	062913-013A	MW-23-5		04/30/2003	N/A	6 Months
14	062913-014A	MW-23-4		04/30/2003	N/A	6 Months
15	062913-015A	MW-23-3		04/30/2003	N/A	6 Months
16	062913-016A	MW-23-2		04/30/2003	N/A	6 Months
17	062913-017A	MW-23-1		04/30/2003	N/A	6 Months
18	062913-018A	EB-8-4/30/03		04/30/2003	N/A	6 Months
19	062913-019A	MW-3-5		05/01/2003	N/A	6 Months
20	062913-020A	MW-3-4		05/01/2003	N/A	6 Months
21						

____0____ of _20___ sample(s) were outside of holding time.

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

Client: Applied P & Ch Laboratory
Attn: Kenny Chan
Client's Project: #3112
ATL Number: 062913
Date Received: 05/21/03

HOLDING TIME SUMMARY _ EPA 200.8

	Lab Sample ID	Client Sample ID	Sample Description	Date Sampled	Date Digested	Contract Holding Time
1	062913-021A	MW-3-3		05/01/2003	N/A	6 Months
2	062913-022A	MW-3-2		05/01/2003	N/A	6 Months
3	062913-023A	MW-3-1		05/01/2003	N/A	6 Months
4	062913-024A	EB-9-5/1/03		05/01/2003	N/A	6 Months
5	062913-025A	DUPE-52Q03		05/01/2003	N/A	6 Months
6	062913-026A	MW-11-5		05/06/2003	N/A	6 Months
7	062913-027A	MW-11-4		05/06/2003	N/A	6 Months
8	062913-028A	MW-11-3		05/06/2003	N/A	6 Months
9	062913-029A	MW-11-2		05/06/2003	N/A	6 Months
10	062913-030A	MW-11-1		05/06/2003	N/A	6 Months
11	062913-031A	EB-10-5/6/03		05/06/2003	N/A	6 Months
12	062913-032A	MW-12-5		05/07/2003	N/A	6 Months
13	062913-033A	MW-12-4		05/07/2003	N/A	6 Months
14	062913-034A	MW-12-3		05/07/2003	N/A	6 Months
15	062913-035A	MW-12-2		05/07/2003	N/A	6 Months
16	062913-036A	MW-12-1		05/07/2003	N/A	6 Months
17	062913-037A	EB-11-5/7/03		05/07/2003	N/A	6 Months
18	062913-038A	DUPE-6-2Q03		05/07/2003	N/A	6 Months
19	062913-039A	MW-24-4		04/29/2003	N/A	6 Months
20						
21						

____0____ of _19___ sample(s) were outside of holding time.

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

ICP-MS : Turbidity Check and Sample Preparation Log

QC Number: R27659 **Date Read / Digested:** 5/23/03

Method (Circle one):	Turb. Calibration	Matrix (Circle one):		Acid Lot #
1) 200.8	100 NTU: 10 NTU	1) Drinking Water	4) Soil	Hydrochloric N/A
2) 3010A	Std Code: SCR-0022	2) Ground Water	5) Solid	Nitric N/A
3) 3050B	Initials: NS	3) Liquid	6) Other water	
4) 3051				

	Sample ID	Turbidity Result *	Sample Wt./Vol.	Spike / LCS Amt. Added	Spike / LCS Conc. (ppm)	Spike Code	Final Vol (ml)	Initials	Comments
	MS 62913-4A	0.36	10	0.1 ml	1 ppm	MST030523A	10	NS	
	MSD ↓	↓	↓	↓	↓	↓	↓	↓	
	Method Blank	—	↓	—	—	—	↓	↓	
	LCS	—	↓	0.1 ml	1 ppm	MST030523F	↓	↓	
NS 5/23/03	~~Blank MS 62913-13A~~	~~0.35~~							
	~~Blank MSD ↓ -13A~~	~~↓~~							
1	62913 - 1A	0.18	10				10	NS	
2	-2	0.33	↓				↓	↓	
3	-3	0.05	↓				↓	↓	
4	-4	0.36	↓				↓	↓	
5	-5	0.18	↓				↓	↓	
6	-6	0.12	↓				↓	↓	
7	-7	0.36	↓				↓	↓	
8	-8	0.29	↓				↓	↓	
9	-9	0.35	↓				↓	↓	
10	-10	0.24	↓				↓	↓	
11	-11	0.29	↓				↓	↓	
12	-12	0.20	↓				↓	↓	
13	-13	0.85	↓				↓	↓	
14	-14	0.31	↓				↓	↓	
15	-15	0.23	↓				↓	↓	
16	-16	0.03	↓				↓	↓	
17	-17	0.54	↓				↓	↓	
18	-18	0.13	↓				↓	↓	
19	-19	0.24	↓				↓	↓	
20	-20	0.16	↓				↓	↓	
DUP	62913-4A	0.50	↓				↓	↓	
	-13A	0.93							

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

Relinquished by / Date: _____

Received by / Date: _____

ICP-MS : Turbidity Check and Sample Preparation Log

QC Number: R27686 **Date Read / Digested:** 5/27/03

Method (Circle one):	Turb. Calibration	Matrix (Circle one):		Acid Lot #
1) (200.8)	100 NTU: 10 NTU	1) Drinking Water	4) Soil	Hydrochloric N/A
2) 3010A	Std Code: SCR-0022	2) Ground Water	5) Solid	Nitric N/A
3) 3050B	Initials: NJ	3) Liquid	(6) Other water	
4) 3051				

	Sample ID	Turbidity Result *	Sample Wt./Vol.	Spike / LCS Amt. Added	Spike / LCS Conc. (ppm)	Spike Code	Final Vol (ml)	Initials	Comments
	MS 62913-28A	0.41	10	0.1 ml	1 ppm	MSD030527A	10	NJ	
	MSD ↓	0.41	↓	↓	↓	↓	↓	↓	
	Method Blank	—	↓	—	—	—	↓	↓	
	LCS	—	↓	0.1	1 ppm	MS030527F	↓	↓	
	Blank MS								
	Blank MSD								
1	62913-21A	0.11	10				10	NJ	
2	-22	0.17	↓				↓	↓	
3	-23	0.10	↓				↓	↓	
4	-24	0.10	↓				↓	↓	
5	-25	0.39	↓				↓	↓	
6	-26	0.59	↓				↓	↓	
7	-27	0.44	↓				↓	↓	
8	-28	0.41	↓				↓	↓	
9	-29	0.07	↓				↓	↓	
10	-30	0.04	↓				↓	↓	
11	-31	0.05	↓				↓	↓	
12	-32	0.09	↓				↓	↓	
13	-33	0.06	↓				↓	↓	
14	-34	0.48	↓				↓	↓	
15	-35	0.09	↓				↓	↓	
16	-36	0.44	↓				↓	↓	
17	-37	0.02	↓				↓	↓	
18	-38	0.17	↓				↓	↓	
19	-39	0.82	↓				↓	↓	
20									
DUP	62913-28A -39A	0.38 0.82	↓				10	NJ	

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

Relinquished by / Date: _____

Received by / Date: _____

Sample/Batch Report

User Name: Nancy
Computer Name: ICPMS PE 6100
Sample File: D:\ELAN\Sample\2003\May\030523.sam (re-print)
Report Date/Time: Tuesday, May 27, 2003 19:02:46

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							
10		LCS							
11		062913-001A							
12		062913-002A							
13		062913-003A							
14		062913-004A							
15		062913-004ADUP							
16		062913-004AMS							
17		062913-004AMSD							
18		062913-005A							
7		CCV							
8		CCB							
19		062913-006A							
20		062913-007A							
21		062913-008A							
22		062913-009A							
23		062913-010A							
24		062913-011A							
25		062913-012A							
26		062913-013A							
27		062913-013ADUP							
28		062913-014A							
7		CCV							
8		CCB							
29		062913-015A							
30		062913-016A							
31		062913-017A							
32		062913-018A							
33		062913-019A							
34		062913-020A							
7		CCV							
8		CCB							

> R27659 NS 5/27/03

CAL: MT030523 B/20
C/10
D/5
E/0.5

ICV/CCV: MT030523G

LCS: MT030523F

MS/MSD: MT030523A

ICP4
NS, 5/23/03

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Sample/Batch Report

User Name: Nancy
Computer Name: ICPMS PE 6100
Sample File: D:\ELAN\Sample\2003\May\030527-2.sam
Report Date/Time: Tuesday, May 27, 2003 12:51:57

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							
10		LCS							
11		062913-028A							
12		062913-028ADUP							
13		062913-028AMS							
14		062913-028AMSD							
15		062913-021A							
16		062913-022A							
17		062913-023A							
18		062913-024A							
7		CCV							
8		CCB							
19		062913-025A							
20		062913-026A							
21		062913-027A							
22		062913-029A							
23		062913-030A							
24		062913-031A							
25		062913-032A							
26		062913-033A							
27		062913-034A							
28		062913-035A							
7		CCV							
8		CCB							
29		062913-036A							
30		062913-037A							
31		062913-038A							
32		062913-039A							
33		062913-039ADUP							
7		CCV							
8		CCB							

> R27686 NS 5/27/03

CAL: MT030527 B/20
C/10
D/~~0.5~~ 5 NS 5/27/03
E/0.5

ICV/CCV: MT030527G
LCS: MT030527F
MS/MSD: MT030527A

ICP4
NS, 5/27/03

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Metals Working Standard Prep Log

Date	Standard Name	Working Std Code	Stock Std Code	Stock Concentration	Amount Taken from Stock
			Stock Info	**Preparation**	
4-16-03	ICPMS – STD,	MST030416A	MST030402 A MST030407 A	10 ppm 10 ppm	5 5
	– 100	B	MST030416A	1 ppm	5
	– 50	C	B	100 ppb	25
	–10	D	C	50 ppb	10
	– LCS,	E	MST021216D MST030407B	10 ppm 10 ppm	5 5
	–IW/CCV@50	F	MST030416E	1 ppm	2.5
4-18-03	ICPMS – STD,	MST030418C	MST030402A	10 ppm	5
	– 20	D	MST030418C	1 ppm	1
	– 10	E	D	20 ppb	25
	– 5	F	E	10 ppb	25
	– 0.5	G	F	5 ppb	5
	– LCS,	H	MST021216D	10 ppm	5
	–IW/CCV@10	I	MST030418H	1 ppm	0.5
	– 100	J	C	1 ppm	5
	– 50	K	J	100 ppb	25
	– 10	L	K	50 ppb	10
	–IW/CCV@50	M	H	1 ppm	2.5
4-18-03	ICPMS – Internal Std.	MST030418A	MST030217A Li	1000 ppm	1 ml
			B Ge		
			C Tb		

Metals Working Standard Prep Log

	Preparation			Expiration Dates			
				Exp Date			
	Final Vol. (ml)	Final Conc. (ug/ml)	Diluent Matrix (le H_2O)	Working STD *	Manufacturer	Comments	Initials
1	50	1 ppm	DI H_2O + 2% HNO_3	7-15-03	Leeman High Purity		NS
		100 ppb					
		50 ppb					
		10 ppb					
5	50	1 ppm	DI H_2O + 2% HNO_3	7-~~17~~ 15-03 NS 9/16/03	Leeman Fanscline		NS
		10 ppb					
		1 ppm		7-17-03	Leeman		
		20 ppb					
		10 ppb					
10		5 ppb					
		0.5 ppb					
		1 ppm			Leeman		
		10 ppb					
		100 ppb					
15		50 ppb					
		10 ppb					
		150 ppb					
	100 ml	10 ppm	DI H_2O + 2% HNO_3	7-17-03	High Purity		NS
20							

* Check working std versus all manufacturer's

Metals Working Standard Prep Log

Date	Standard Name	Working Std Code	Stock Info: Stock Std Code	Preparation: Stock Concentration	Preparation: Amount Taken from Stock
4-18-03	ICPMS - Internal Std	MST030418 A	MST030217D Sc	1000 ppm	1 ml
			E In		
			F Tm		
4-18-03	ICPMS - Tuning Stock Sol'n.	MST030418B	MST-010523E Mg	1000 ppm	0.5 ml
			MST~~0~~NS030414H Cu		
			MST030217J Rh		
			MST030414E Cd		
			MST030414C Ba		
			MST030217G Ce		
			MST030414P Pb		
			MST030414D Be		
			MST030414G Co		
			MST030217H Tl		
			MST030217I U		
			MST030217E In		
4-21-03	ICPMS - 10 ppb Tuning Sol'n.	MST030421A	MST030418B	1 ppm	10 ml
4-22-03	ICPMS - STD,	MST030422A	MST030402A MST030402B	10 ppm 1000 ppm	5 ml 0.05
	- 20	B	MST030422	1 ppm	1 ml
	- 10	C		20 ppb	25
	- 5	D		10 ppb	25

Logbook 3 mm
Page ~~227~~ 149 A 8/29/03

Metals Working Standard Prep Log

Preparation			Expiration Dates			
			Exp Date			
Final Vol. (ml)	Final Conc. (ug/ml)	Diluent Matrix (ie H_2O)	Working STD *	Manufacturer	Comments	Initials
100 ml	10 ppm	DI H_2O + 2% HNO_3	7-17-03	High Purity		NS
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
500 ml	1 ppm	DI H_2O + 2% HNO_3	7-17-03	Ultra Scientific		NS
↓	↓	↓	↓	High Purity		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
↓	↓	↓	↓	↓		↓
1000 ml	10 ppb	DI H_2O + 2% HNO_3	7-20-03	Ultra Scientific/High Purity		NS
50	1 ppm	DI H_2O + 2% HNO_3	7-21-03	Leeman		NS
↓	20 ppb	↓	↓	↓		↓
↓	10 ppb	↓	↓	↓		↓
↓	5 ppb	↓	↓	↓		↓

* Check working std versus all manufacturer's

Metals Working Standard Prep Log

Date	Standard Name	Working Std Code	Stock Info: Stock Std Code	Preparation: Stock Concentration	Preparation: Amount Taken from Stock
05-12-03	ICPMS - 20	MST030512B	MST030512A	1 ppm	1
	-10	C	B	20 ppb	25
	-5	D	C	10 ppb	25
	-0.5	E	D	5 ppb	5
	ICPMS-LCS,	F	MST021216D	10 ppm	5
	-IW/CW @10	G	MST030512F	1 ppm	0.5
05-14-03	ICPMS- STD,	MST030514A	MST030402A MST030402B	10 ppm 1000 ppm	5 0.05
	-20	B	MST030514A	1 ppm	1
	-10	C	B	20 ppb	25
	-5	D	C	10 ppb	25
	-0.5	E	D	5 ppb	5
	ICPMS -LCS,	F	MST021216D MST021216B	10 ppm 1000 ppm	5 0.05
	-IW/CW@10	G	MST030514F	1 ppm	0.5
05-15-03	ICPMS -STD,	MST030515A	MST030402A	10 ppm	5
	-10	B	MST030515A	1 ppm	0.5
	-7.5	C	B	10 ppb	37.5
	-5	D	C	7.5 ppb	20
	ICPMS -LCS,	E	MST021216D	10 ppm	5
	-IW/CW@5	F	MST030515E	1 ppm	0.25
05-23-03	ICPMS- STD,	MST030523A	MST030402A	10 ppm	5

Metals Working Standard Prep Log

	Preparation			Expiration Dates			
				Exp Date			
	Final Vol. (ml)	Final Conc. (ug/ml)	Diluent Matrix (ie H_2O)	Working STD *	Manufacturer	Comments	Initials
1	50	20ppb	DI H_2O + 2% HNO_3	8-10-03	Leeman		NS
		10ppb					
		5ppb					
		0.5ppb					
5		1ppm			Leeman		
		10ppb					
	50	1ppm	DI H_2O + 2% HNO_3	8-12-03	Leeman		NS
		20ppb					
		10ppb					
10		5ppb					
		0.5ppb					
		1ppm			Leeman		
		10ppb					
	50	1ppm	DI H_2O + 2% HNO_3	8-13-03	Leeman	Zn	NS
15		10ppb					
		7.5ppb					
	30	5ppb					
	50	1ppm			Leeman		
		5ppb					
20	50	1ppm	DI H_2O + 2% HNO_3	8-~~22~~-03 21 NS 5/23/03	Leeman	Cr, Pb	NS

* Check working std versus all manufacturer's

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Metals Working Standard Prep Log

Date	Standard Name	Working Std Code	Stock Info: Stock Std Code	Preparation: Stock Concentration	Preparation: Amount Taken from Stock
05-23-2003	ICPMS - 20	MSTO305 23B	MSTO305 23A	1 ppm	1
	-10	C	B	20 ppb	25
	-5	D	C	10 ppb	25
	-0.5	E	D	5 ppb	5
	ICPMS - LCS,	F	MSTO212 16D	10 ppm	5
	- IW/CW @ 10	G	MSTO305 23F	1 ppm	0.5
05-27-03	ICPMS - STD,	MSTO305 27A	MSTO30402A MSTO30402B	10 ppm 1000 ppm	5 0.05
	-20	B	MSTO305 27	1 ppm	1
	-10	C		20 ppb	25
	-5	D		10 ppb	25
	-0.5	E		5 ppb	5
	ICPMS - LCS,	F	MSTO212 16D MSTO212 16B	10 ppm 1000 ppm	5 0.05
	- IW/CW @ 10	G	MSTO305 27	1 ppm	0.5

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Metals Working Standard Prep Log

	Preparation			Expiration Dates			
				Exp Date			
	Final Vol. (ml)	Final Conc. (ug/ml)	Diluent Matrix (ie H_2O)	Working STD *	Manufacturer	Comments	Initials
1	50	20 ppb	DI H_2O + 2% HNO3	8-21-03 (21 105 5/23/03)	Lemon	Cr, Pb	NJ
		10 ppb					
		5 ppb					
		0.5 ppb					
5		1 ppm			Lemon		
		10 ppb					
	50	1 ppm	DI H_2O + 2% HNO3	8-25-03	Lemon		NJ
		20 ppb					
		10 ppb					
10		5 ppb					
		0.5 ppb					
		1 ppm			Lemon		
		10 ppb					
15							
20							

* Check working std versus all manufacturer's

Method Detection Limits

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

Compound	MDL (ug/L)	DLR (ug/L)
Chromium	0.111	1
Copper	0.078	1
Lead	0.134	1
Nickel	0.071	1
Zinc	3.341	5

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

ELAN Instrument Control Session

Calibration

35

1

6

	5	10	Scanning	20	20
	22	26	Scanning	20	20
	102	104	Scanning	20	20
	139	141	Scanning	20	20
	206	209	Scanning	20	20

Tuning - D:\ELAN\TUNING\2003\May\030523.tun

1

2040

	Analyte	Mass (amu)	Measured Mass (amu)	Mass Calibration DAC Value	Resolution DAC Value	Peak Width
	Be	9.0122	9.027	2040	2040	0.727
	Mg	23.985	23.9785	5696	2020	0.721
	Rh	102.905	102.879	24969	1955	0.758
	Ce	139.905	139.879	33968	2010	0.786
	Pb	207.977	207.978	50417	2270	0.769
	U	238.05	238.074	57650	2435	0.776

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 10:42:26
Dataset File: D:\ELAN\Dataset\2003\May\030523\Blank.001
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
>	**Sc-1**	45		555845	1.6			ug/L	%
	Cr	52		6617	5.2			ug/L	%
	Cr	53		38275	8.9			ug/L	%
>	**Tb**	159		1061673	0.8			ug/L	%
	Pb	207		366	2.7			ug/L	%
	Pb	208		1607	6.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 10:44:44
Dataset File: D:\ELAN\Dataset\2003\May\030523\Standard 1.002
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	554605	0.5			ug/L	%
|	**Cr**	52	6617	12536	1.0	**0.500**	0.014	ug/L	2.7 %
⌊	**Cr**	53	38275	51576	4.4	**0.500**	0.087	ug/L	17.5 %
⌈>	**Tb**	159	1061673	1064115	0.9			ug/L	%
|	**Pb**	207	366	1844	3.4	**0.500**	0.018	ug/L	3.7 %
⌊	**Pb**	208	1607	8488	0.9	**0.500**	0.003	ug/L	0.6 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 10:47:17
Dataset File: D:\ELAN\Dataset\2003\May\030523\Standard 2.003
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	558973	1.2			ug/L	%
|	**Cr**	52	6617	47329	2.3	**4.977**	0.063	ug/L	1.3 %
⌊	**Cr**	53	38275	58528	4.4	**4.731**	0.495	ug/L	10.5 %
⌈>	**Tb**	159	1061673	1078150	1.5			ug/L	%
|	**Pb**	207	366	15013	1.7	**4.999**	0.055	ug/L	1.1 %
⌊	**Pb**	208	1607	69759	1.6	**4.999**	0.062	ug/L	1.2 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 10:49:52
Dataset File: D:\ELAN\Dataset\2003\May\030523\Standard 3.004
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: Standard 3
Sample Type:

Summary

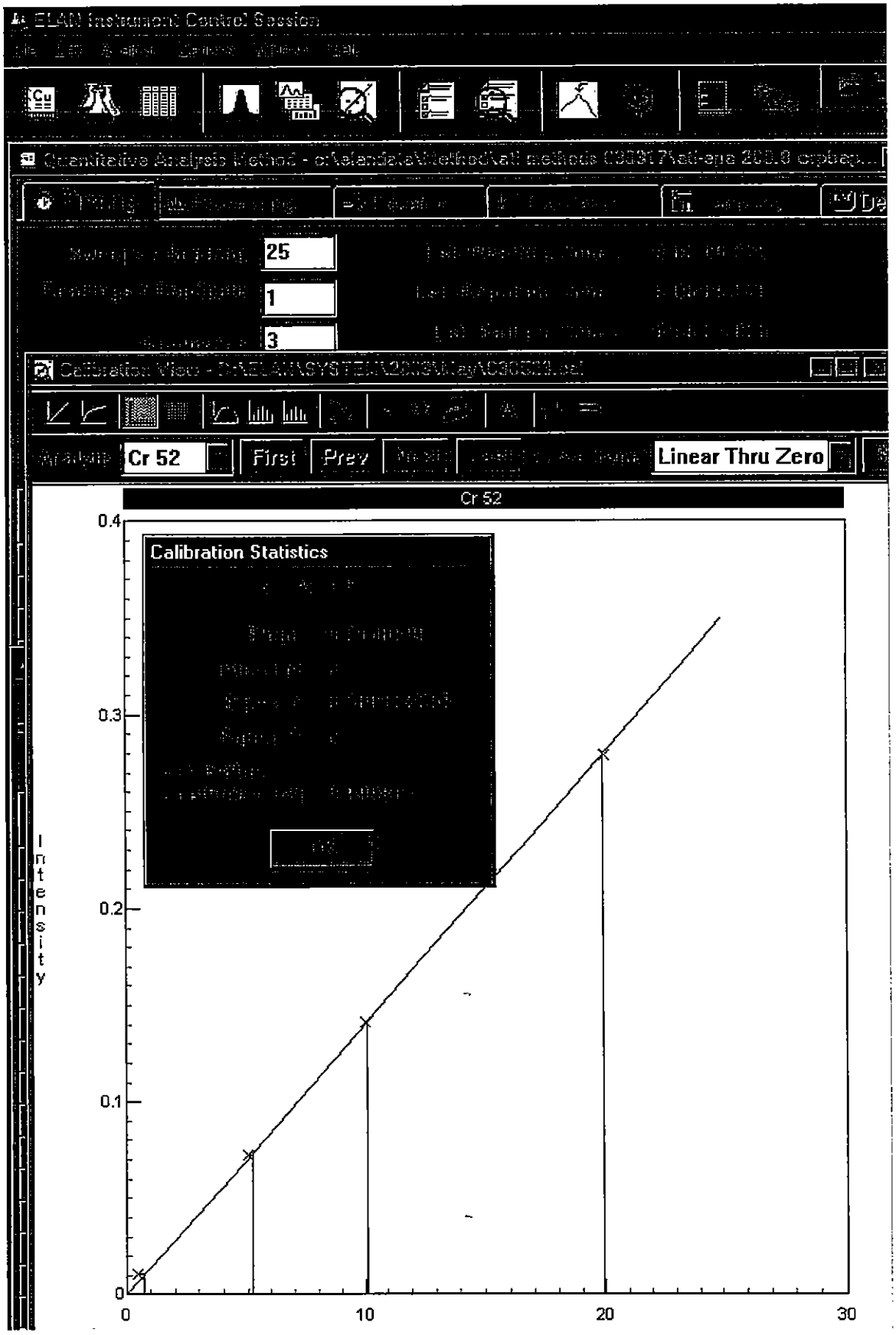
	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Sc-1**	45	555845	563693	1.5			ug/L	%
	Cr	52	6617	86492	2.3	**9.934**	0.088	ug/L	0.9 %
	Cr	53	38275	65573	4.1	**8.929**	0.920	ug/L	10.3 %
>	**Tb**	159	1061673	1080333	1.6			ug/L	%
	Pb	207	366	29646	2.5	**9.995**	0.106	ug/L	1.1 %
	Pb	208	1607	137706	1.6	**9.993**	0.027	ug/L	0.3 %

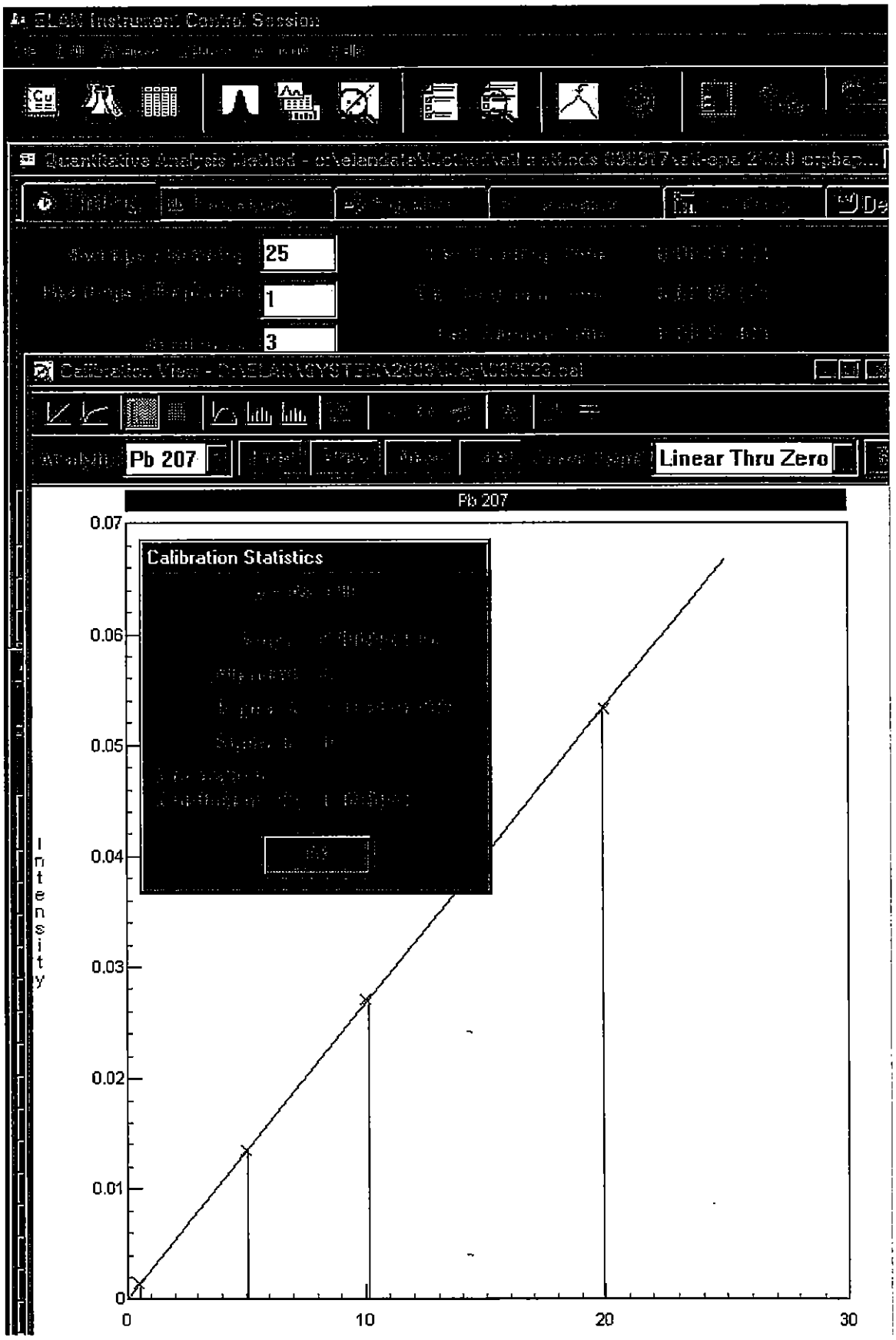
Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 10:52:27
Dataset File: D:\ELAN\Dataset\2003\May\030523\Standard 4.005
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
>	**Sc-1**	45	555845	564512	1.8			ug/L	%
	Cr	52	6617	164420	2.9	**19.905**	0.393	ug/L	2.0 %
	Cr	53	38275	76975	4.4	**17.585**	1.283	ug/L	7.3 %
>	**Tb**	159	1061673	1080747	1.2			ug/L	%
	Pb	207	366	57965	2.4	**19.917**	0.239	ug/L	1.2 %
	Pb	208	1607	270867	2.5	**19.943**	0.268	ug/L	1.3 %


ELAN Instrument Control Session
25
1
3
Cr 52
First
Prev
Linear Thru Zero
Cr 52
Calibration Statistics
Intensity
0.4
0.3
0.2
0.1
0
0
10
20
30


ELAN Instrument Control Session
25
1
3
Pb 207
Linear Thru Zero
Pb 207
Calibration Statistics
Intensity
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
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Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 10:55:04
Dataset File: D:\ELAN\Dataset\2003\May\030523\ICV.006
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	562156	1.2			ug/L	%
|	**Cr**	52	6617	89896	0.9	**10.547**	0.044	ug/L	0.4 %
⌊	**Cr**	53	38275	69628	3.0	**14.341**	1.282	ug/L	8.9 %
⌈>	**Tb**	159	1061673	1071252	2.0			ug/L	%
|	**Pb**	207	366	29687	1.2	**10.231**	0.169	ug/L	1.7 %
⌊	**Pb**	208	1607	138068	1.4	**10.198**	0.072	ug/L	0.7 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 10:57:24
Dataset File: D:\ELAN\Dataset\2003\May\030523\ICB.007
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	564278	0.2			ug/L	%
|	**Cr**	52	6617	8523	3.2	**0.228**	0.036	ug/L	15.8 %
⌊	**Cr**	53	38275	62344	2.8	**10.848**	0.830	ug/L	7.7 %
⌈>	**Tb**	159	1061673	1092586	0.6			ug/L	%
|	**Pb**	207	366	300	0.7	**-0.026**	0.000	ug/L	0.7 %
⌊	**Pb**	208	1607	1217	0.8	**-0.032**	0.000	ug/L	0.9 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:04:14
Dataset File: D:\ELAN\Dataset\2003\May\030523\MB.008
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: MB - R27659 NS 5/27/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	559600	0.8			ug/L	%
|	**Cr**	52	6617	7669	2.5	**0.128**	0.018	ug/L	13.7 %
⌊	**Cr**	53	38275	49832	6.1	**5.255**	1.228	ug/L	23.4 %
⌈>	**Tb**	159	1061673	1054406	2.6			ug/L	%
|	**Pb**	207	366	385	2.8	**0.008**	0.004	ug/L	46.6 %
⌊	**Pb**	208	1607	1683	1.1	**0.007**	0.004	ug/L	64.7 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:06:30
Dataset File: D:\ELAN\Dataset\2003\May\030523\LCS.009
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: LCS - R27659 NS 5/27/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
[>	**Sc-1**	45	555845	555907	1.3			ug/L	%
|	**Cr**	52	6617	87711	1.5	**10.395**	0.070	ug/L	0.7 %
|	**Cr**	53	38275	67794	3.1	**13.830**	0.605	ug/L	4.4 %
[>	**Tb**	159	1061673	1046074	1.3			ug/L	%
|	**Pb**	207	366	28901	0.8	**10.198**	0.053	ug/L	0.5 %
|	**Pb**	208	1607	135903	1.3	**10.280**	0.008	ug/L	0.1 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:09:46
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-001A.010
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-001A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	669726	0.6			ug/L	%
|	**Cr**	52	6617	23130	1.2	**1.613**	0.043	ug/L	2.7 %
⌊	**Cr**	53	38275	18678	3.7	**-10.675**	0.309	ug/L	2.9 %
⌈>	**Tb**	159	1061673	1035298	1.5			ug/L	%
|	**Pb**	207	366	2004	3.9	**0.595**	0.039	ug/L	6.5 %
⌊	**Pb**	208	1607	9197	1.1	**0.590**	0.018	ug/L	3.0 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:12:21
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-002A.011
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-002A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Sc-1**	45	555845	666235	0.6			ug/L	%
	Cr	52	6617	28592	2.7	**2.210**	0.067	ug/L	3.0 %
	Cr	53	38275	12657	2.5	**-12.993**	0.107	ug/L	0.8 %
>	**Tb**	159	1061673	1065550	1.5			ug/L	%
	Pb	207	366	1037	3.6	**0.235**	0.015	ug/L	6.5 %
	Pb	208	1607	4631	3.3	**0.227**	0.015	ug/L	6.6 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:14:40
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-003A.012
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-003A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	673828	0.2			ug/L	%
|	**Cr**	52	6617	36215	2.2	**2.981**	0.078	ug/L	2.6 %
⌊	**Cr**	53	38275	10158	1.3	**-14.016**	0.053	ug/L	0.4 %
⌈>	**Tb**	159	1061673	1069395	1.4			ug/L	%
|	**Pb**	207	366	830	3.5	**0.161**	0.010	ug/L	6.1 %
⌊	**Pb**	208	1607	3743	1.5	**0.159**	0.008	ug/L	5.0 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:16:59
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-004A.013
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-004A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	636266	0.8			ug/L	%
|	**Cr**	52	6617	25696	0.8	**2.030**	0.025	ug/L	1.2 %
⌊	**Cr**	53	38275	7398	0.7	**-14.914**	0.038	ug/L	0.3 %
⌈>	**Tb**	159	1061673	1072463	1.4			ug/L	%
|	**Pb**	207	366	776	3.7	**0.141**	0.010	ug/L	6.9 %
⌊	**Pb**	208	1607	3581	1.9	**0.146**	0.009	ug/L	5.9 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:19:18
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-004ADUP.014
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-004ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	**Conc. Mean**	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	627234	1.0			ug/L	%
|	**Cr**	52	6617	24735	1.3	**1.962**	0.060	ug/L	3.1 %
⌊	**Cr**	53	38275	6626	1.8	**-15.191**	0.059	ug/L	0.4 %
⌈>	**Tb**	159	1061673	1074138	1.1			ug/L	%
|	**Pb**	207	366	720	4.7	**0.122**	0.013	ug/L	10.9 %
⌊	**Pb**	208	1607	3255	5.1	**0.122**	0.014	ug/L	11.8 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:22:50
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-004AMS.015
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-004AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	625674	0.9			ug/L	%
|	**Cr**	52	6617	100428	1.2	**10.590**	0.115	ug/L	1.1 %
⌊	**Cr**	53	38275	15395	1.0	**-11.532**	0.014	ug/L	0.1 %
⌈>	**Tb**	159	1061673	1076437	1.6			ug/L	%
|	**Pb**	207	366	28964	0.9	**9.930**	0.168	ug/L	1.7 %
⌊	**Pb**	208	1607	135500	1.4	**9.958**	0.199	ug/L	2.0 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:25:10
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-004AMSD.016
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-004AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	612570	1.1			ug/L	%
|	**Cr**	52	6617	98614	1.3	**10.623**	0.076	ug/L	0.7 %
⌊	**Cr**	53	38275	15075	0.9	**-11.530**	0.108	ug/L	0.9 %
⌈>	**Tb**	159	1061673	1077049	1.6			ug/L	%
|	**Pb**	207	366	28818	3.3	**9.871**	0.219	ug/L	2.2 %
⌊	**Pb**	208	1607	133705	2.6	**9.817**	0.133	ug/L	1.4 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:27:31
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-005A.017
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-005A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	594546	1.8			ug/L	%
|	**Cr**	52	6617	31036	0.8	**2.873**	0.094	ug/L	3.3 %
⌊	**Cr**	53	38275	5096	1.5	**-15.710**	0.069	ug/L	0.4 %
⌈>	**Tb**	159	1061673	1065512	1.4			ug/L	%
|	**Pb**	207	366	633	3.5	**0.093**	0.009	ug/L	9.4 %
⌊	**Pb**	208	1607	2841	1.3	**0.092**	0.004	ug/L	4.3 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:29:53
Dataset File: D:\ELAN\Dataset\2003\May\030523\CCV.018
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	457450	0.9			ug/L	%
|	**Cr**	52	6617	71169	1.4	**10.238**	0.054	ug/L	0.5 %
⌊	**Cr**	53	38275	46631	5.6	**8.622**	1.542	ug/L	17.9 %
⌈>	**Tb**	159	1061673	978161	0.5			ug/L	%
|	**Pb**	207	366	28757	1.6	**10.860**	0.126	ug/L	1.2 %
⌊	**Pb**	208	1607	133305	1.2	**10.790**	0.092	ug/L	0.8 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:32:16
Dataset File: D:\ELAN\Dataset\2003\May\030523\CCB.019
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	461404	0.8			ug/L	%
|	**Cr**	52	6617	7287	3.5	**0.277**	0.033	ug/L	11.9 %
⌊	**Cr**	53	38275	50684	4.0	**10.681**	1.124	ug/L	10.5 %
⌈>	**Tb**	159	1061673	988283	1.5			ug/L	%
|	**Pb**	207	366	338	2.5	**-0.001**	0.002	ug/L	161.8 %
⌊	**Pb**	208	1607	1453	3.3	**-0.003**	0.006	ug/L	161.3 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:34:39
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-006A.020
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-006A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	519745	0.8			ug/L	%
|	**Cr**	52	6617	7634	0.6	**0.198**	0.015	ug/L	7.7 %
⌊	**Cr**	53	38275	15590	4.5	**-10.127**	0.363	ug/L	3.6 %
⌈>	**Tb**	159	1061673	1043185	1.3			ug/L	%
|	**Pb**	207	366	605	4.5	**0.088**	0.007	ug/L	8.3 %
⌊	**Pb**	208	1607	2774	3.5	**0.092**	0.005	ug/L	5.0 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:37:00
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-007A.021
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-007A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	600348	0.7			ug/L	%
|	**Cr**	52	6617	41799	1.1	**4.113**	0.064	ug/L	1.6 %
⌊	**Cr**	53	38275	11997	0.8	**-12.736**	0.041	ug/L	0.3 %
⌈>	**Tb**	159	1061673	1060443	1.7			ug/L	%
|	**Pb**	207	366	622	4.0	**0.090**	0.010	ug/L	11.0 %
⌊	**Pb**	208	1607	2878	1.9	**0.096**	0.003	ug/L	3.4 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:39:23
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-008A.022
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-008A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	620056	1.2			ug/L	%
|	**Cr**	52	6617	26689	1.1	**2.219**	0.040	ug/L	1.8 %
⌊	**Cr**	53	38275	8249	0.5	**-14.477**	0.039	ug/L	0.3 %
⌈>	**Tb**	159	1061673	1068899	0.1			ug/L	%
|	**Pb**	207	366	641	3.2	**0.095**	0.007	ug/L	7.3 %
⌊	**Pb**	208	1607	2994	2.7	**0.103**	0.006	ug/L	5.5 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:41:45
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-009A.023
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-009A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Sc-1**	45	555845	620292	2.0			ug/L	%
	Cr	52	6617	26998	0.9	**2.254**	0.076	ug/L	3.4 %
	Cr	53	38275	7378	2.1	**-14.843**	0.122	ug/L	0.8 %
>	**Tb**	159	1061673	1061299	1.0			ug/L	%
	Pb	207	366	677	4.5	**0.109**	0.008	ug/L	7.7 %
	Pb	208	1607	3144	1.3	**0.116**	0.001	ug/L	0.9 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:44:08
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-010A.024
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-010A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	598055	0.5			ug/L	%
|	**Cr**	52	6617	55253	0.3	**5.735**	0.047	ug/L	0.8 %
⌊	**Cr**	53	38275	9523	0.5	**-13.795**	0.037	ug/L	0.3 %
⌈>	**Tb**	159	1061673	1062361	2.4			ug/L	%
|	**Pb**	207	366	542	6.1	**0.062**	0.013	ug/L	20.5 %
⌊	**Pb**	208	1607	2475	3.8	**0.065**	0.005	ug/L	8.3 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:46:28
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-011A.025
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-011A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Sc-1**	45	555845	527119	1.5			ug/L	%
	Cr	52	6617	7209	1.4	**0.126**	0.019	ug/L	15.4 %
	Cr	53	38275	4716	1.7	**-15.612**	0.071	ug/L	0.5 %
>	**Tb**	159	1061673	1045939	1.4			ug/L	%
	Pb	207	366	516	6.8	**0.055**	0.011	ug/L	20.4 %
	Pb	208	1607	2376	2.1	**0.061**	0.005	ug/L	8.3 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:48:44
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-012A.026
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-012A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	602113	2.0			ug/L	%
|	**Cr**	52	6617	24129	0.1	**2.008**	0.058	ug/L	2.9 %
⌊	**Cr**	53	38275	5399	1.1	**-15.606**	0.069	ug/L	0.4 %
⌈>	**Tb**	159	1061673	1043597	1.2			ug/L	%
|	**Pb**	207	366	443	4.3	**0.030**	0.008	ug/L	26.3 %
⌊	**Pb**	208	1607	2005	1.0	**0.033**	0.000	ug/L	1.5 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:51:01
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-013A.027
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-013A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	584440	0.8			ug/L	%
|	**Cr**	52	6617	20550	1.1	**1.657**	0.018	ug/L	1.1 %
⌊	**Cr**	53	38275	4583	1.1	**-15.901**	0.017	ug/L	0.1 %
⌈>	**Tb**	159	1061673	1068278	1.2			ug/L	%
|	**Pb**	207	366	2006	1.7	**0.573**	0.005	ug/L	0.8 %
⌊	**Pb**	208	1607	9340	0.7	**0.579**	0.007	ug/L	1.3 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:53:18
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-013ADUP.028
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-013ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	591831	0.9			ug/L	%
|	**Cr**	52	6617	21247	0.4	**1.710**	0.023	ug/L	1.3 %
⌊	**Cr**	53	38275	4437	0.8	**-15.990**	0.008	ug/L	0.0 %
⌈>	**Tb**	159	1061673	1080425	1.3			ug/L	%
⌈	**Pb**	207	366	1950	2.8	**0.546**	0.015	ug/L	2.8 %
⌊	**Pb**	208	1607	9228	1.3	**0.563**	0.004	ug/L	0.7 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:55:36
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-014A.029
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-014A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	621071	1.2			ug/L	%
|	**Cr**	52	6617	26483	2.1	**2.190**	0.070	ug/L	3.2 %
⌊	**Cr**	53	38275	4871	1.1	**-15.900**	0.019	ug/L	0.1 %
⌈>	**Tb**	159	1061673	1086738	2.2			ug/L	%
|	**Pb**	207	366	383	2.8	**0.003**	0.003	ug/L	121.2 %
⌊	**Pb**	208	1607	1805	3.3	**0.012**	0.002	ug/L	14.2 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 11:57:56
Dataset File: D:\ELAN\Dataset\2003\May\030523\CCV.030
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	451244	1.3			ug/L	%
|	**Cr**	52	6617	69554	1.0	**10.136**	0.058	ug/L	0.6 %
⌊	**Cr**	53	38275	40705	4.5	**5.556**	0.758	ug/L	13.6 %
⌈>	**Tb**	159	1061673	991318	1.6			ug/L	%
|	**Pb**	207	366	28807	2.3	**10.733**	0.161	ug/L	1.5 %
⌊	**Pb**	208	1607	135370	2.1	**10.811**	0.090	ug/L	0.8 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:00:20
Dataset File: D:\ELAN\Dataset\2003\May\030523\CCB.031
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
[>	**Sc-1**	45	555845	456480	0.6			ug/L	%
	Cr	52	6617	6771	1.4	**0.209**	0.012	ug/L	5.8 %
	Cr	53	38275	45243	4.1	**7.882**	0.977	ug/L	12.4 %
[>	**Tb**	159	1061673	990623	2.0			ug/L	%
	Pb	207	366	299	5.7	**-0.016**	0.005	ug/L	27.8 %
	Pb	208	1607	1381	3.7	**-0.010**	0.002	ug/L	24.3 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:02:41
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-015A.032
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-015A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	591604	1.0			ug/L	%
|	**Cr**	52	6617	37430	0.7	**3.660**	0.021	ug/L	0.6 %
⌊	**Cr**	53	38275	18617	2.8	**-9.742**	0.294	ug/L	3.0 %
⌈>	**Tb**	159	1061673	1037137	0.7			ug/L	%
|	**Pb**	207	366	510	3.8	**0.055**	0.006	ug/L	10.7 %
⌊	**Pb**	208	1607	2319	1.1	**0.058**	0.001	ug/L	1.5 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:04:59
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-016A.033
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-016A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	609289	0.9			ug/L	%
|	**Cr**	52	6617	32356	0.3	**2.936**	0.023	ug/L	0.8 %
⌊	**Cr**	53	38275	12396	0.5	**-12.642**	0.044	ug/L	0.3 %
⌈>	**Tb**	159	1061673	1029438	0.5			ug/L	%
|	**Pb**	207	366	535	7.8	**0.065**	0.015	ug/L	23.0 %
⌊	**Pb**	208	1607	2455	3.7	**0.070**	0.006	ug/L	9.3 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:07:18
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-017A.034
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-017A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	607769	2.0			ug/L	%
|	**Cr**	52	6617	44553	0.9	**4.376**	0.077	ug/L	1.8 %
⌊	**Cr**	53	38275	10278	1.8	**-13.535**	0.167	ug/L	1.2 %
⌈>	**Tb**	159	1061673	1021466	2.5			ug/L	%
|	**Pb**	207	366	603	1.7	**0.092**	0.006	ug/L	6.8 %
⌊	**Pb**	208	1607	2787	4.0	**0.097**	0.003	ug/L	3.5 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:09:38
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-018A.035
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-018A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	485659	1.3			ug/L	%
|	**Cr**	52	6617	7011	1.6	**0.180**	0.004	ug/L	2.4 %
⌊	**Cr**	53	38275	6263	2.2	**-14.583**	0.074	ug/L	0.5 %
⌈>	**Tb**	159	1061673	1016228	1.8			ug/L	%
|	**Pb**	207	366	1066	4.6	**0.263**	0.021	ug/L	8.1 %
⌊	**Pb**	208	1607	4798	1.2	**0.257**	0.007	ug/L	2.7 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:11:58
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-019A.036
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-019A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	531471	0.5			ug/L	%
|	**Cr**	52	6617	10341	0.4	**0.538**	0.002	ug/L	0.3 %
⌊	**Cr**	53	38275	5530	2.1	**-15.232**	0.066	ug/L	0.4 %
⌈>	**Tb**	159	1061673	1036716	1.2			ug/L	%
|	**Pb**	207	366	423	4.5	**0.024**	0.009	ug/L	36.6 %
⌊	**Pb**	208	1607	1932	3.9	**0.028**	0.008	ug/L	27.6 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:14:19
Dataset File: D:\ELAN\Dataset\2003\May\030523\062913-020A.037
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-020A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	555845	543538	1.7			ug/L	%
|	**Cr**	52	6617	19344	1.2	**1.688**	0.037	ug/L	2.2 %
⌊	**Cr**	53	38275	5450	0.6	**-15.330**	0.058	ug/L	0.4 %
⌈>	**Tb**	159	1061673	1035529	3.3			ug/L	%
|	**Pb**	207	366	447	2.5	**0.033**	0.009	ug/L	28.8 %
⌊	**Pb**	208	1607	2013	0.6	**0.035**	0.005	ug/L	13.8 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:16:40
Dataset File: D:\ELAN\Dataset\2003\May\030523\CCV.038
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	441241	2.0			ug/L	%
|	**Cr**	52	6617	68008	1.6	**10.136**	0.154	ug/L	1.5 %
⌊	**Cr**	53	38275	43098	6.5	**7.497**	1.265	ug/L	16.9 %
⌈>	**Tb**	159	1061673	972021	0.8			ug/L	%
|	**Pb**	207	366	29009	2.5	**11.026**	0.202	ug/L	1.8 %
⌊	**Pb**	208	1607	135524	2.8	**11.041**	0.246	ug/L	2.2 %

Quantitative Analysis Summary

Sample Date/Time: Friday, May 23, 2003 12:19:04
Dataset File: D:\ELAN\Dataset\2003\May\030523\CCB.039
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	555845	437194	0.9			ug/L	%
|	**Cr**	52	6617	6920	3.5	**0.279**	0.030	ug/L	10.7 %
⌊	**Cr**	53	38275	47631	5.2	**10.440**	1.279	ug/L	12.2 %
⌈>	**Tb**	159	1061673	963874	0.7			ug/L	%
|	**Pb**	207	366	337	1.5	**0.002**	0.001	ug/L	67.8 %
⌊	**Pb**	208	1607	1540	2.1	**0.007**	0.002	ug/L	27.9 %

ELAN Instrument Control Session

Calibration

Sweeps/Reading	35				
Readings/Replicate	1				
Replicates	6				
Tuning File					
Optimization File					

	Analyte [1]	Peak Center [amu]	Peak Width [amu]	Scan Mode [1]	No. 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\May\030527.tun

Peak Search Window [amu]: 1 Resolution DAC: 2040

	Analyte	Mass [amu]	Measured Mass [amu]	Mass Calibration DAC Value	Resolution DAC Value	Peak Width
1	Be	9.0122	8.97775	2058	2040	0.726
2	Mg	23.985	23.9785	5692	2020	0.727
3	Rh	102.905	102.879	24967	1955	0.762
4	Ce	139.905	139.879	33966	2010	0.786
5	Pb	207.977	207.979	50417	2270	0.772
6	U	238.05	238.075	57625	2435	0.766

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:35:41
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\Blank.001
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
>	**Sc-1**	45		374615	1.1			ug/L	%
	Cr	52		5187	3.4			ug/L	%
	Cr	53		43475	4.9			ug/L	%
>	**Tb**	159		783172	3.6			ug/L	%
	Pb	207		233	4.8			ug/L	%
	Pb	208		1018	5.7			ug/L	%

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:37:59
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\Standard 1.002
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	384109	0.7			ug/L	%
|	**Cr**	52	5187	8543	2.4	**0.500**	0.022	ug/L	4.3 %
⌊	**Cr**	53	43475	51045	3.1	**0.500**	0.097	ug/L	19.3 %
⌈>	**Tb**	159	783172	808992	2.8			ug/L	%
|	**Pb**	207	233	1425	4.0	**0.500**	0.009	ug/L	1.8 %
⌊	**Pb**	208	1018	6486	2.9	**0.500**	0.007	ug/L	1.4 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:40:32
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\Standard 2.003
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	385181	1.6			ug/L	%
|	**Cr**	52	5187	31253	2.8	**4.988**	0.090	ug/L	1.8 %
⌊	**Cr**	53	43475	54968	3.9	**4.750**	0.688	ug/L	14.5 %
⌈>	**Tb**	159	783172	809936	3.4			ug/L	%
|	**Pb**	207	233	11576	3.3	**4.998**	0.076	ug/L	1.5 %
⌊	**Pb**	208	1018	53642	3.0	**4.998**	0.063	ug/L	1.3 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:43:07
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\Standard 3.004
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	384978	1.2			ug/L	%
|	**Cr**	52	5187	55947	1.7	**9.948**	0.138	ug/L	1.4 %
⌊	**Cr**	53	43475	58443	4.1	**8.971**	1.159	ug/L	12.9 %
⌈>	**Tb**	159	783172	813925	2.2			ug/L	%
|	**Pb**	207	233	22850	2.5	**9.983**	0.095	ug/L	0.9 %
⌊	**Pb**	208	1018	106833	2.3	**10.001**	0.055	ug/L	0.6 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:45:42
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\Standard 4.005
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	387095	2.8			ug/L	%
|	**Cr**	52	5187	107295	2.1	**19.983**	0.280	ug/L	1.4 %
⌊	**Cr**	53	43475	65278	3.7	**17.811**	0.531	ug/L	3.0 %
⌈>	**Tb**	159	783172	822903	3.6			ug/L	%
|	**Pb**	207	233	45937	3.1	**19.990**	0.215	ug/L	1.1 %
⌊	**Pb**	208	1018	215487	4.1	**20.012**	0.112	ug/L	0.6 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:48:19
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\ICV.006
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: ICV
Sample Type:

Summary

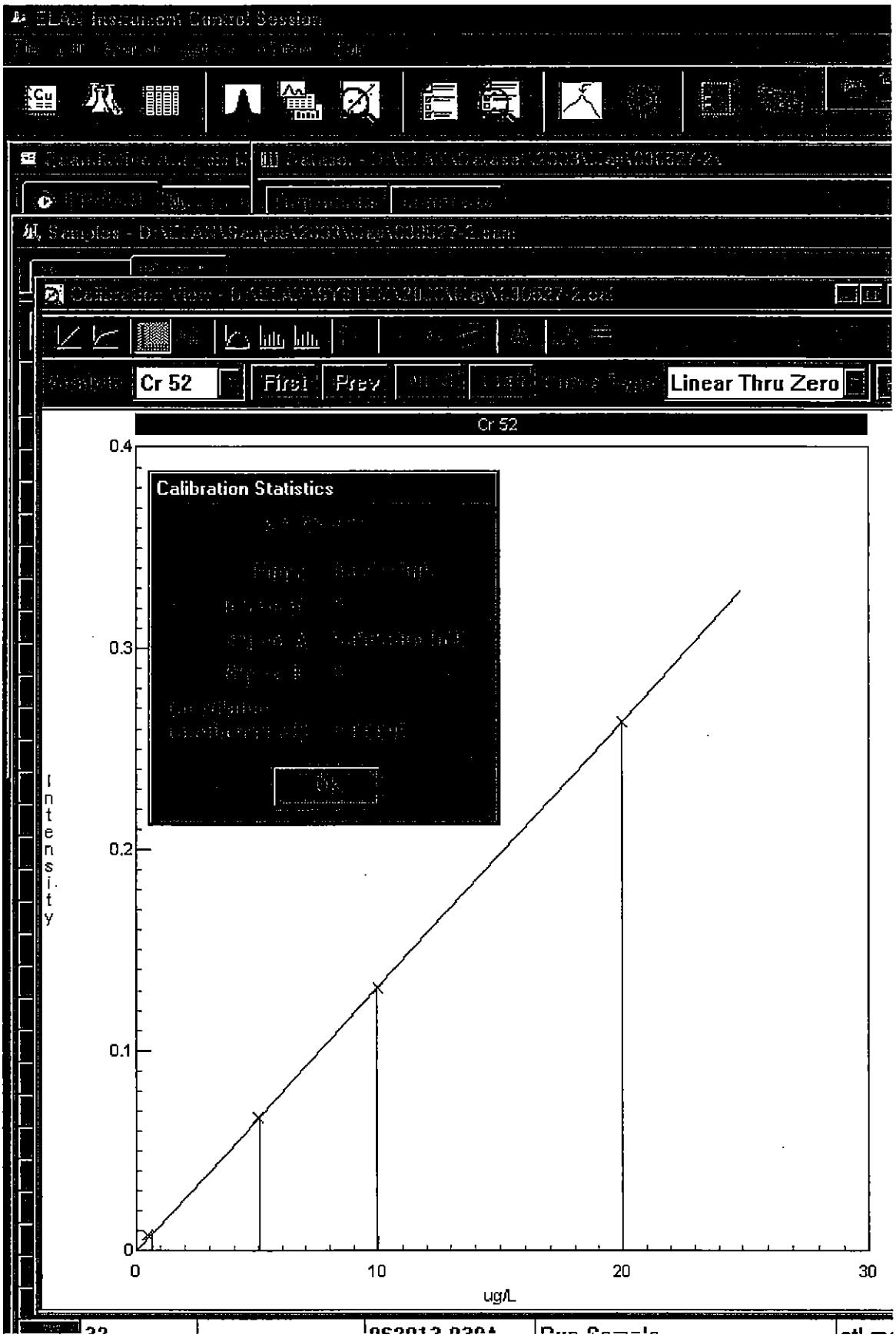
	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	385363	1.3			ug/L	%
|	**Cr**	52	5187	57175	1.2	**10.206**	0.084	ug/L	0.8 %
⌊	**Cr**	53	43475	60120	3.6	**13.531**	1.244	ug/L	9.2 %
⌈>	**Tb**	159	783172	827929	4.4			ug/L	%
|	**Pb**	207	233	23438	4.3	**10.084**	0.128	ug/L	1.3 %
⌊	**Pb**	208	1018	109210	4.1	**10.033**	0.080	ug/L	0.8 %

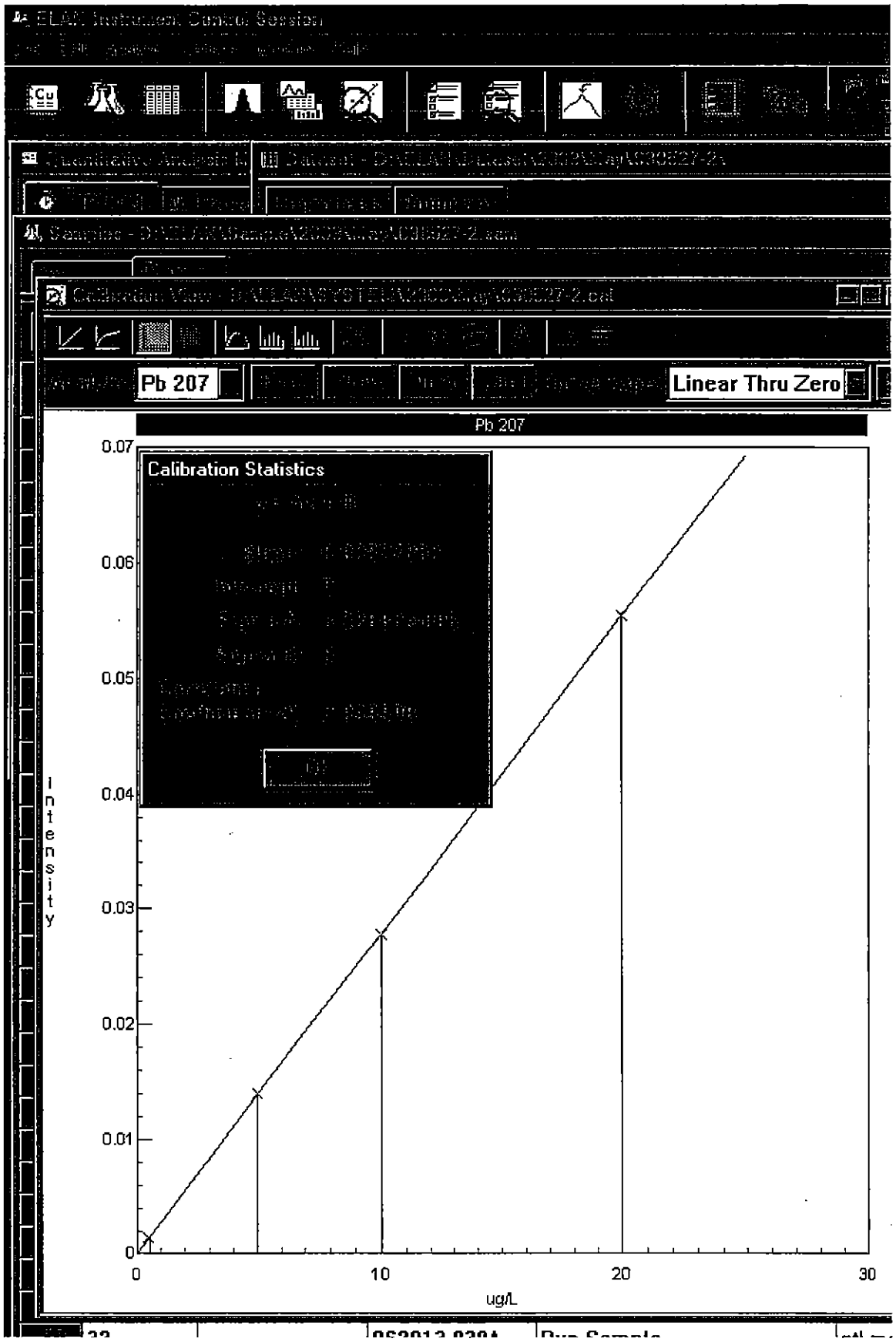
Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:50:39
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\ICB.007
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	387751	2.1			ug/L	%
|	**Cr**	52	5187	6016	3.1	**0.127**	0.014	ug/L	11.2 %
⌊	**Cr**	53	43475	55639	2.6	**9.296**	0.250	ug/L	2.7 %
⌈>	**Tb**	159	783172	832256	1.9			ug/L	%
|	**Pb**	207	233	249	3.3	**0.001**	0.002	ug/L	270.4 %
⌊	**Pb**	208	1018	1135	2.9	**0.005**	0.003	ug/L	59.9 %


ELAN Instrument Control Session
Cr 52
First
Prev
Linear Thru Zero
Cr 52
Calibration Statistics
OK
Intensity
0.4
0.3
0.2
0.1
0
0
10
20
30
ug/L


Pb 207
Linear Thru Zero
Pb 207
Calibration Statistics
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Intensity
0
10
20
30
ug/L

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:54:14
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\MB.008
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: MB -R27686 NS 5/27/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	391343	1.1			ug/L	%
|	**Cr**	52	5187	6132	1.4	**0.138**	0.004	ug/L	3.2 %
⌊	**Cr**	53	43475	56068	3.9	**9.215**	1.358	ug/L	14.7 %
⌈>	**Tb**	159	783172	827276	1.9			ug/L	%
|	**Pb**	207	233	241	5.6	**-0.002**	0.006	ug/L	241.8 %
⌊	**Pb**	208	1018	1082	3.7	**0.001**	0.003	ug/L	416.8 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:56:30
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\LCS.009
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: LCS - R27686 NS 5/27/03
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	395299	1.0			ug/L	%
|	**Cr**	52	5187	57870	0.8	**10.057**	0.112	ug/L	1.1 %
⌊	**Cr**	53	43475	63060	3.1	**14.726**	1.229	ug/L	8.3 %
⌈>	**Tb**	159	783172	851619	2.0			ug/L	%
|	**Pb**	207	233	23720	1.1	**9.920**	0.100	ug/L	1.0 %
⌊	**Pb**	208	1018	111325	2.2	**9.941**	0.054	ug/L	0.5 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 12:58:48
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-028A.010
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-028A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	443185	2.7			ug/L	%
|	**Cr**	52	5187	14991	1.5	**1.518**	0.107	ug/L	7.1 %
⌊	**Cr**	53	43475	23596	2.6	**-21.269**	0.966	ug/L	4.5 %
⌈>	**Tb**	159	783172	845945	2.9			ug/L	%
|	**Pb**	207	233	497	5.2	**0.105**	0.017	ug/L	15.9 %
⌊	**Pb**	208	1018	2333	3.4	**0.112**	0.013	ug/L	11.9 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:01:06
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-028ADUP.011
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-028ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	444243	2.2			ug/L	%
|	**Cr**	52	5187	14551	0.3	**1.435**	0.048	ug/L	3.3 %
⌊	**Cr**	53	43475	16878	2.6	**-26.446**	0.618	ug/L	2.3 %
⌈>	**Tb**	159	783172	853410	1.8			ug/L	%
|	**Pb**	207	233	401	2.9	**0.062**	0.006	ug/L	10.4 %
⌊	**Pb**	208	1018	1854	2.0	**0.067**	0.003	ug/L	5.0 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:03:24
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-028AMS.012
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-028AMS
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	441463	1.3			ug/L	%
|	**Cr**	52	5187	65535	0.4	**10.213**	0.106	ug/L	1.0 %
⌊	**Cr**	53	43475	20453	0.4	**-23.627**	0.270	ug/L	1.1 %
⌈>	**Tb**	159	783172	854930	1.7			ug/L	%
|	**Pb**	207	233	23290	0.8	**9.700**	0.097	ug/L	1.0 %
⌊	**Pb**	208	1018	108976	1.5	**9.691**	0.069	ug/L	0.7 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:05:43
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-028AMSD.013
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-028AMSD
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	438644	1.0			ug/L	%
|	**Cr**	52	5187	65830	1.7	**10.335**	0.082	ug/L	0.8 %
⌊	**Cr**	53	43475	18674	0.6	**-24.901**	0.224	ug/L	0.9 %
⌈>	**Tb**	159	783172	864193	2.8			ug/L	%
|	**Pb**	207	233	23545	3.0	**9.700**	0.077	ug/L	0.8 %
⌊	**Pb**	208	1018	109521	2.6	**9.635**	0.040	ug/L	0.4 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:08:02
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-021A.014
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-021A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	428223	0.8			ug/L	%
|	**Cr**	52	5187	10590	1.5	**0.826**	0.016	ug/L	2.0 %
⌊	**Cr**	53	43475	11226	1.9	**-30.445**	0.230	ug/L	0.8 %
⌈>	**Tb**	159	783172	851043	2.4			ug/L	%
|	**Pb**	207	233	431	5.2	**0.075**	0.012	ug/L	16.2 %
⌊	**Pb**	208	1018	1937	1.3	**0.075**	0.006	ug/L	8.4 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:10:22
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-022A.015
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-022A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Sc-1**	45	374615	438610	1.0			ug/L	%
	Cr	52	5187	15376	1.7	**1.610**	0.069	ug/L	4.3 %
	Cr	53	43475	9963	0.3	**-31.632**	0.053	ug/L	0.2 %
>	**Tb**	159	783172	851695	1.2			ug/L	%
	Pb	207	233	394	4.1	**0.060**	0.007	ug/L	11.2 %
	Pb	208	1018	1805	2.6	**0.063**	0.003	ug/L	5.0 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:12:42
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-023A.016
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-023A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	431063	0.1			ug/L	%
|	**Cr**	52	5187	17625	0.9	**2.052**	0.024	ug/L	1.2 %
⌊	**Cr**	53	43475	9193	1.3	**-32.103**	0.101	ug/L	0.3 %
⌈>	**Tb**	159	783172	856400	0.1			ug/L	%
|	**Pb**	207	233	432	2.8	**0.074**	0.005	ug/L	6.5 %
⌊	**Pb**	208	1018	2004	2.3	**0.080**	0.004	ug/L	4.8 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:15:03
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-024A.017
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-024A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	388988	0.8			ug/L	%
|	**Cr**	52	5187	5022	1.4	**-0.071**	0.011	ug/L	15.4 %
⌊	**Cr**	53	43475	8337	1.2	**-32.066**	0.129	ug/L	0.4 %
⌈>	**Tb**	159	783172	853041	2.2			ug/L	%
|	**Pb**	207	233	819	4.1	**0.239**	0.020	ug/L	8.6 %
⌊	**Pb**	208	1018	3731	2.0	**0.236**	0.013	ug/L	5.6 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:17:25
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\CCV.018
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	384406	1.8			ug/L	%
|	**Cr**	52	5187	56346	1.6	**10.071**	0.085	ug/L	0.8 %
⌊	**Cr**	53	43475	39504	5.8	**-4.519**	1.377	ug/L	30.5 %
⌈>	**Tb**	159	783172	855468	2.2			ug/L	%
|	**Pb**	207	233	25207	2.4	**10.499**	0.104	ug/L	1.0 %
⌊	**Pb**	208	1018	116909	2.7	**10.397**	0.140	ug/L	1.3 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:19:48
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\CCB.019
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	391669	1.8			ug/L	%
|	**Cr**	52	5187	5312	1.8	**-0.022**	0.010	ug/L	48.2 %
⌊	**Cr**	53	43475	43249	3.6	**-1.914**	0.847	ug/L	44.2 %
⌈>	**Tb**	159	783172	867868	0.6			ug/L	%
|	**Pb**	207	233	275	6.3	**0.007**	0.007	ug/L	93.1 %
⌊	**Pb**	208	1018	1295	6.0	**0.015**	0.007	ug/L	44.9 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:22:11
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-025A.020
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-025A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	444952	1.0			ug/L	%
|	**Cr**	52	5187	17268	1.0	**1.894**	0.029	ug/L	1.5 %
⌊	**Cr**	53	43475	17623	2.3	**-25.905**	0.434	ug/L	1.7 %
⌈>	**Tb**	159	783172	870423	1.0			ug/L	%
|	**Pb**	207	233	398	4.9	**0.058**	0.008	ug/L	14.3 %
⌊	**Pb**	208	1018	1864	3.5	**0.065**	0.004	ug/L	6.5 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:24:33
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-026A.021
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-026A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	430372	0.8			ug/L	%
|	**Cr**	52	5187	11987	0.5	**1.063**	0.007	ug/L	0.6 %
⌊	**Cr**	53	43475	12830	3.7	**-29.226**	0.421	ug/L	1.4 %
⌈>	**Tb**	159	783172	882385	2.2			ug/L	%
|	**Pb**	207	233	521	4.5	**0.106**	0.009	ug/L	8.6 %
⌊	**Pb**	208	1018	2362	3.1	**0.106**	0.005	ug/L	4.9 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:26:55
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-027A.022
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-027A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	438684	1.1			ug/L	%
|	**Cr**	52	5187	7542	1.6	**0.254**	0.018	ug/L	7.0 %
⌊	**Cr**	53	43475	10310	1.0	**-31.364**	0.166	ug/L	0.5 %
⌈>	**Tb**	159	783172	880224	1.6			ug/L	%
|	**Pb**	207	233	388	1.2	**0.052**	0.003	ug/L	5.5 %
⌊	**Pb**	208	1018	1778	1.7	**0.055**	0.000	ug/L	0.5 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:29:18
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-029A.023
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-029A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	436334	2.5			ug/L	%
|	**Cr**	52	5187	10590	2.3	**0.791**	0.028	ug/L	3.6 %
⌊	**Cr**	53	43475	8978	2.7	**-32.352**	0.353	ug/L	1.1 %
⌈>	**Tb**	159	783172	883302	2.8			ug/L	%
|	**Pb**	207	233	313	5.6	**0.020**	0.008	ug/L	41.7 %
⌊	**Pb**	208	1018	1437	0.6	**0.025**	0.004	ug/L	16.6 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:31:41
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-030A.024
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-030A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	443580	1.6			ug/L	%
|	**Cr**	52	5187	13909	0.7	**1.329**	0.034	ug/L	2.6 %
⌊	**Cr**	53	43475	8067	1.6	**-33.165**	0.192	ug/L	0.6 %
⌈>	**Tb**	159	783172	880117	0.4			ug/L	%
|	**Pb**	207	233	511	5.7	**0.102**	0.012	ug/L	11.8 %
⌊	**Pb**	208	1018	2286	0.9	**0.100**	0.002	ug/L	1.6 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:34:00
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-031A.025
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-031A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	386917	1.5			ug/L	%
|	**Cr**	52	5187	16238	2.0	**2.134**	0.044	ug/L	2.0 %
⌊	**Cr**	53	43475	8498	0.9	**-31.885**	0.176	ug/L	0.6 %
⌈>	**Tb**	159	783172	876649	3.0			ug/L	%
|	**Pb**	207	233	406	3.0	**0.060**	0.008	ug/L	14.1 %
⌊	**Pb**	208	1018	1856	2.4	**0.063**	0.001	ug/L	2.0 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:36:17
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-032A.026
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-032A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	450481	1.9			ug/L	%
|	**Cr**	52	5187	13272	1.9	**1.185**	0.021	ug/L	1.7 %
⌊	**Cr**	53	43475	7361	1.6	**-33.791**	0.127	ug/L	0.4 %
⌈>	**Tb**	159	783172	879219	2.7			ug/L	%
|	**Pb**	207	233	455	6.6	**0.079**	0.008	ug/L	10.4 %
⌊	**Pb**	208	1018	2090	3.3	**0.083**	0.001	ug/L	1.2 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:38:33
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-033A.027
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-033A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	450812	1.0			ug/L	%
|	**Cr**	52	5187	13921	0.6	**1.293**	0.037	ug/L	2.9 %
⌊	**Cr**	53	43475	6856	1.7	**-34.175**	0.136	ug/L	0.4 %
⌈>	**Tb**	159	783172	884500	1.3			ug/L	%
|	**Pb**	207	233	306	0.6	**0.017**	0.002	ug/L	9.2 %
⌊	**Pb**	208	1018	1434	2.5	**0.025**	0.003	ug/L	11.4 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:40:50
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-034A.028
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-034A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Sc-1**	45	374615	440579	1.4			ug/L	%
	Cr	52	5187	13476	0.6	**1.270**	0.025	ug/L	2.0 %
	Cr	53	43475	6509	3.0	**-34.323**	0.167	ug/L	0.5 %
>	**Tb**	159	783172	898494	1.8			ug/L	%
	Pb	207	233	274	2.5	**0.003**	0.001	ug/L	33.7 %
	Pb	208	1018	1187	1.1	**0.002**	0.001	ug/L	54.9 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:43:08
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-035A.029
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-035A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	468041	1.0			ug/L	%
|	**Cr**	52	5187	24394	0.3	**2.904**	0.029	ug/L	1.0 %
⌊	**Cr**	53	43475	7171	1.1	**-34.138**	0.015	ug/L	0.0 %
⌈>	**Tb**	159	783172	910947	1.1			ug/L	%
|	**Pb**	207	233	407	4.7	**0.054**	0.008	ug/L	14.2 %
⌊	**Pb**	208	1018	1855	1.0	**0.057**	0.000	ug/L	0.5 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:45:28
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\CCV.030
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	388694	2.0			ug/L	%
|	**Cr**	52	5187	56602	2.6	**9.997**	0.158	ug/L	1.6 %
⌊	**Cr**	53	43475	38523	4.9	**-5.752**	1.121	ug/L	19.5 %
⌈>	**Tb**	159	783172	887267	1.7			ug/L	%
|	**Pb**	207	233	26197	2.5	**10.521**	0.158	ug/L	1.5 %
⌊	**Pb**	208	1018	121879	3.1	**10.450**	0.190	ug/L	1.8 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:47:52
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\CCB.031
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	387874	1.1			ug/L	%
|	**Cr**	52	5187	5474	3.8	**0.020**	0.030	ug/L	150.8 %
⌊	**Cr**	53	43475	42112	3.1	**-2.540**	0.836	ug/L	32.9 %
⌈>	**Tb**	159	783172	892936	2.6			ug/L	%
|	**Pb**	207	233	287	8.1	**0.009**	0.009	ug/L	106.6 %
⌊	**Pb**	208	1018	1310	1.7	**0.013**	0.001	ug/L	7.4 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:50:13
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-036A.032
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-036A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Sc-1**	45	374615	452927	0.5			ug/L	%
	Cr	52	5187	64153	1.7	**9.695**	0.139	ug/L	1.4 %
	Cr	53	43475	21497	2.2	**-23.244**	0.415	ug/L	1.8 %
>	**Tb**	159	783172	912075	1.8			ug/L	%
	Pb	207	233	533	6.0	**0.103**	0.014	ug/L	13.3 %
	Pb	208	1018	2528	3.0	**0.113**	0.004	ug/L	3.6 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:52:32
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-037A.033
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-037A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	402988	2.1			ug/L	%
|	**Cr**	52	5187	8872	1.0	**0.620**	0.019	ug/L	3.0 %
⌊	**Cr**	53	43475	11233	1.5	**-29.880**	0.318	ug/L	1.1 %
⌈>	**Tb**	159	783172	897516	1.9			ug/L	%
|	**Pb**	207	233	460	0.4	**0.077**	0.003	ug/L	4.0 %
⌊	**Pb**	208	1018	2157	4.3	**0.085**	0.005	ug/L	5.3 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:54:51
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-038A.034
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-038A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	452699	2.3			ug/L	%
|	**Cr**	52	5187	13952	0.7	**1.289**	0.058	ug/L	4.5 %
⌊	**Cr**	53	43475	9270	1.9	**-32.386**	0.293	ug/L	0.9 %
⌈>	**Tb**	159	783172	917793	2.4			ug/L	%
|	**Pb**	207	233	317	11.8	**0.017**	0.012	ug/L	68.7 %
⌊	**Pb**	208	1018	1438	6.7	**0.020**	0.005	ug/L	25.5 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:57:10
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-039A.035
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-039A
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
⌈>	**Sc-1**	45	374615	440549	2.1			ug/L	%
|	**Cr**	52	5187	8069	1.0	**0.339**	0.017	ug/L	4.9 %
⌊	**Cr**	53	43475	8105	2.0	**-33.093**	0.216	ug/L	0.7 %
⌈>	**Tb**	159	783172	900719	2.0			ug/L	%
|	**Pb**	207	233	328	4.5	**0.024**	0.003	ug/L	13.8 %
⌊	**Pb**	208	1018	1458	0.9	**0.025**	0.003	ug/L	12.5 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 13:59:30
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\062913-039ADUP.036
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.mth
Optimization File: c:\elandata\Optimize\default.dac
Number of Replicates: 3
Sample ID: 062913-039ADUP
Sample Type:

Summary

	Analyte	Mass	Blank Intensity	Meas. Intensity	Int. RSD	Conc. Mean	Conc. SD		Conc. RSD
>	**Sc-1**	45	374615	443175	2.3			ug/L	%
	Cr	52	5187	8456	1.8	**0.398**	0.031	ug/L	7.8 %
	Cr	53	43475	7196	1.7	**-33.824**	0.220	ug/L	0.6 %
>	**Tb**	159	783172	902989	2.0			ug/L	%
	Pb	207	233	295	7.1	**0.011**	0.007	ug/L	68.9 %
	Pb	208	1018	1370	2.5	**0.017**	0.003	ug/L	16.1 %

Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 14:01:52
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\CCV.037
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	398806	0.5			ug/L	%
|	**Cr**	52	5187	59270	2.0	**10.225**	0.173	ug/L	1.7 %
⌊	**Cr**	53	43475	40653	5.1	**-4.785**	1.705	ug/L	35.6 %
⌈>	**Tb**	159	783172	913914	1.6			ug/L	%
|	**Pb**	207	233	26872	2.5	**10.476**	0.089	ug/L	0.9 %
⌊	**Pb**	208	1018	125158	3.0	**10.418**	0.156	ug/L	1.5 %

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Quantitative Analysis Summary

Sample Date/Time: Tuesday, May 27, 2003 14:04:15
Dataset File: D:\ELAN\Dataset\2003\May\030527-2\CCB.038
Method File: c:\elandata\Method\atl methods 030317\atl-epa 200.8 crpbapcl.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
⌈>	**Sc-1**	45	374615	401878	1.8			ug/L	%
|	**Cr**	52	5187	5676	1.7	**0.021**	0.012	ug/L	56.3 %
⌊	**Cr**	53	43475	43925	4.3	**-2.298**	1.035	ug/L	45.0 %
⌈>	**Tb**	159	783172	912228	2.6			ug/L	%
|	**Pb**	207	233	317	3.5	**0.018**	0.003	ug/L	14.8 %
⌊	**Pb**	208	1018	1353	3.2	**0.014**	0.002	ug/L	14.6 %

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Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
GEOFON, Inc.
Attention: Leo Williamsons
22632 Golden Spring Dr Ste 270
Diamond Bar CA 91765
Tel: (909)396-7662 Fax: (909)396-1455

Service ID #: 801-032931
Collected by:
Collected on: 04/17-24/03

Received: 04/17/03
Extracted: N/A
Tested: N/A
Reported: 05/19/03

Sample Description: Water
Project Description: 04-4428.10 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result DUPE-1-2Q03 03-02931-1	DUPE-2-2Q03 03-02931-2	DUPE-3-2Q03 03-02931-3	EB-1-4/17/03 03-02931-4
CHROMIUM [a]							
LEAD [a]							

Component Analyzed	Method	Unit	PQL	Analysis Result EB-2-4/21/03 03-02931-5	EB-3-4/22/03 03-02931-6	EB-4-4/23/03 03-02931-7	EB-5-4/24/03 03-02931-8
CHROMIUM [a]							
LEAD [a]							

Component Analyzed	Method	Unit	PQL	Analysis Result MW-4-1 03-02931-9	MW-4-2 03-02931-10	MW-4-3 03-02931-11	MW-4-4 03-02931-12
CHROMIUM [a]							
LEAD [a]							

Component Analyzed	Method	Unit	PQL	Analysis Result MW-4-5 03-02931-13	MW-14-1 03-02931-14	MW-14-2 03-02931-15	MW-14-3 03-02931-16
CHROMIUM [a]							
LEAD [a]							

Component Analyzed	Method	Unit	PQL	Analysis Result MW-14-4 03-02931-17	MW-14-5 03-02931-18	MW-19-1 03-02931-19	MW-19-2 03-02931-20
CHROMIUM [a]							
LEAD [a]							

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-19-3 03-02931-21	MW-19-4 03-02931-22	MW-19-5 03-02931-23	MW-20-1 03-02931-24
CHROMIUM [a]							
LEAD [a]							

Component Analyzed	Method	Unit	PQL	Analysis Result MW-20-2 03-02931-25	MW-20-3 03-02931-26	MW-20-4 03-02931-27	MW-20-5 03-02931-28
CHROMIUM [a]							
LEAD [a]							

Component Analyzed	Method	Unit	PQL	Analysis Result MW-21-1 03-02931-29	MW-21-2 03-02931-30	MW-21-3 03-02931-31
CHROMIUM [a]						
LEAD [a]						

Component Analyzed	Method	Unit	PQL	Analysis Result MW-21-4 03-02931-32	MW-21-5 03-02931-33	SOURCE-2Q03 03-02931-34
CHROMIUM [a]						
LEAD [a]						

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] Subcontracted to Advanced Technology Laboratories Inc. See attached.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

MW-4 0018

GEOFON's LAB COORDINATOR: Brad Shojaee	LAB COORDINATOR'S PHONE: (909) 396-7662	LAB COORDINATOR'S FAX: (909) 396-1455	LABORATORY SERVICE ID: —	LABORATORY CONTACT: Kenny Chan	MAIL REPORT (COMPANY NAME): GEOFON, INC.
PROJECT NAME: JPL GW MON-2Q03	PROJECT LOCATION: MW-4 (SE Facility Perimeter)	PROJECT NUMBER: 04-4428.10	LABORATORY PHONE: (909) 590-1828	LABORATORY FAX: (909) 590-1498	RECIPIENT NAME: Leo W. Williamson
PROJECT CONTACT: Leo W. Williamson	PROJECT PHONE NUMBER: (714) 920-8729	PROJECT FAX: (909) 396-1455	LABORATORY ADDRESS: 13760 Magnolia Ave		ADDRESS: 22632 Golden Springs Dr #270
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena CA	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: Chino, CA 91710		CITY, STATE AND ZIPCODE: Diamond Bar, CA 91765
PROJECT MANAGER: Asiar Faheem	PROJECT MANAGER'S PHONE: (909) 396-7662	PROJECT MANAGER'S FAX: (909) 396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T.	524.2 (VOCs)	200.7 & 200.9 (Minerals)	7196 (Hex Chrome)	SIM 2320B (Carb./Bicarb)	300.0 (Cl/SO4/NO3)	314.0 (Perchlorate)	160.1 (TDS)+9040B(pH)	200.8 (Cr+Pb)	Comments
1	MW-4-5	H_2O	4/21/03	810	HCl NONE HNO_3	3+1+1+1	III	NORMAL	X	X	X	X	X	X	X	X	MINERALS: Na/K/Ca/As/Mg/Fe
2	MW-4-4	↓	↓	930	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
3	MW-4-3	↓	↓	1015	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
4	MW-4-2	↓	↓	1140	↓	↓	↓	↓	X	X	X	X	X	X	X	X	MS/MSD
5	MW-4-1	↓	↓	1330	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
6																	
7	TB-2-4/21/03	H_2O	—	—	HCl	2	III	NORMAL	X								2931
8	EB-2-4/21/03	↓	4/21/03		HCl NONE HNO_3	3+1+1+1	↓	↓	X	X	X	X	X	X	X	X	
9	DUPE-1-2Q03	↓	↓	—	↓	3+1+1+1	IV	↓	X	X	X	X	X	X	X	X	
10	SOURCE-2Q03	↓	↓	1400	↓	3+1+1+1	III	NORMAL	X	X	X	X	X	X	X	X	

SAMPLES COLLECTED BY: Leo W. Williamson

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

SAMPLE'S CONDITION UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME
Leo W. Williamson	[illegible]	4/21/03	14:25
[illegible]	[illegible]	4/21/03	1780

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON
INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

MW-19 0020

GEOFON's LAB COORDINATOR: Brad Shojaee	LAB COORDINATOR'S PHONE: (909) 396-7662	LAB COORDINATOR'S FAX: (909) 396-1455	LABORATORY SERVICE ID: —	LABORATORY CONTACT: Kenny Chan	MAIL REPORT (COMPANY NAME): GEOFON, INC.
PROJECT NAME: JPL GW MON-2003	PROJECT LOCATION: MW-19 (Pasadena City Yard)	PROJECT NUMBER: 04-4428.10	LABORATORY PHONE: (909) 590-1828	LABORATORY FAX: (909) 590-1498	RECIPIENT NAME: Leo W. Williamson
PROJECT CONTACT: Leo W. Williamson	PROJECT PHONE NUMBER: (714) 920-8729	PROJECT FAX: (909) 396-1455	LABORATORY ADDRESS: 13760 Magnolia Ave		ADDRESS: 22632 Golden Springs Dr. #270
PROJECT ADDRESS: 4800 Oakgrove Dr.	CITY, STATE AND ZIPCODE: Pasadena, CA.	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: Chino, CA. 91710		CITY, STATE AND ZIPCODE: Diamond Bar, CA. 91765
PROJECT MANAGER: Asrar Faheem	PROJECT MANAGER'S PHONE: (909) 396-7662	PROJECT MANAGER'S FAX: (909) 396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	524.2 (VOCs)	200.7 & 200.8 (Minerals)	7196 (Hex Chrome)	SM2320B (Carb. Bicarb.)	300.0 (Cl, SO4, NO2)	314.0 (Perchlorate)	160.1 (TDS) & 9040B (pH)	200.8 (Cr+Pb)	Comments
1	MW-19-5	H_2O	4/22/03	920	HCl NONE HNO_3	3+1 1+1	III	NORMAL	X	X	X	X	X	X	X	X	MINERALS: Na/K/Ca/As/Mg/Fe
2	MW-19-4			1025					X	X	X	X	X	X	X	X	
3	MW-19-3			1130					X	X	X	X	X	X	X	X	
4	MW-19-2			1300					X	X	X	X	X	X	X	X	MS/MSD
5	MW-19-1			1410					X	X	X	X	X	X	X	X	
6																	
7	TB-3-4/22/03	H_2O	—	—	HCl	3	III	NORMAL	X								2931
8	EB-3-4/22/03		4/22/03	1140	HCl NONE HNO_3	3+1 1+1			X	X	X	X	X	X	X	X	
9																	
10																	

SAMPLES COLLECTED BY: Leo W. Williamson

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME
Leo W. Williamson	[signature]	4/24/03	14:35
[signature]	[signature]	4/22/03	1555

SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

MW-14 0021

GEOFON's LAB COORDINATOR: Brad Shojaee	LAB COORDINATOR'S PHONE: (909) 396-7662	LAB COORDINATOR'S FAX: (909) 396-1455	LABORATORY SERVICE ID: —	LABORATORY CONTACT: Kenny Chan	MAIL REPORT (COMPANY NAME): GEOFON, INC
PROJECT NAME: JPL GW MON-2Q03	PROJECT LOCATION: MW-14 (Annex Parking Lot)	PROJECT NUMBER: 04-442810	LABORATORY PHONE: (909) 590-1828	LABORATORY FAX: (909) 590-1498	RECIPIENT NAME: Leo W. Williamson
PROJECT CONTACT: Leo W. Williamson	PROJECT PHONE NUMBER: (909) 920-8729	PROJECT FAX: (909) 396-1455	LABORATORY ADDRESS: 13760 Magnolia Ave		ADDRESS: 22632 Golden Springs Dr. #270
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena, CA	CLIENT: US NAVY, SWDIV	CITY, STATE AND ZIPCODE: Chino, CA 91710		CITY, STATE AND ZIPCODE: Diamond Bar, CA 91765
PROJECT MANAGER: Asrar Faheem	PROJECT MANAGER'S PHONE: (909) 396-7662	PROJECT MANAGER'S FAX: (909) 396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	524.2 (VOC)	200.7 & 200.9 (Minerals)	7196 (Hex Chrome)	SM 2320B (Carb. Bicarb)	300.0 (Cl/SO4/NO3)	314.0 (Perchlorate)	160.1 (TDS) + 9040B (pH)	200.8 (Cr + Pb)	Comments
1	MW-14-5	H_2O	4/23/03	835	HCl NONE HNO_3	3+1+1+1	III	NORMAL	X	X	X	X	X	X	X	X	MINERALS: Na/K/Ca/As/Mg/Fe
2	MW-14-4			935					X	X	X	X	X	X	X	X	
3	MW-14-3			1110					X	X	X	X	X	X	X	X	
4	MW-14-2			1220					X	X	X	X	X	X	X	X	
5	MW-14-1			1320					X	X	X	X	X	X	X	X	
6																	
7	TB-4-4/23/03	H_2O	—	—	HCl	2	III	NORMAL	X								
8	EB-4-4/23/03		4/23/03	1125	HCl NONE HNO_3	3+1+1+1			X	X	X	X	X	X	X	X	
9	DUPE-2-2Q03			—			IV		X	X	X	X	X	X	X	X	
10																	

2931

SAMPLES COLLECTED BY: Leo W. Williamson

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

SAMPLE'S CONDITION UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME
Leo W. Williamson	[signature]	4/23/03	1400
[signature]	[signature]	4/23/03	1515

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

MW-20 0022

GEOFON's LAB COORDINATOR: Brad Shojaee	LAB COORDINATOR'S PHONE: (909) 396-7662	LAB COORDINATOR'S FAX: (909) 396-1455	LABORATORY SERVICE ID: —	LABORATORY CONTACT: Kenny Chan	MAIL REPORT (COMPANY NAME): GEOFON, INC.
PROJECT NAME: JPL GW MON-2Q03	PROJECT LOCATION: MW-20 (Lincoln & Mt. View)	PROJECT NUMBER: 04-4428.10	LABORATORY PHONE: (909) 590-1828	LABORATORY FAX: (909) 590-1498	RECIPIENT NAME: Leo W. Williamson
PROJECT CONTACT: Leo W. Williamson	PROJECT PHONE NUMBER: (714) 920-8729	PROJECT FAX: (909) 396-1455	LABORATORY ADDRESS: 13760 Magnolia Ave		ADDRESS: 22632 Golden Springs Dr. #270
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena, CA.	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: Chino, CA. 91710		CITY, STATE AND ZIPCODE: Diamond Bar, CA. 91765
PROJECT MANAGER: Asrar Faheem	PROJECT MANAGER'S PHONE: (909) 396-7662	PROJECT MANAGER'S FAX: (909) 396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	524.2 (VOCs)	200.7 & 200.9 (Minerals)	7196 (Hex Chrome)	SM2320B (Carb. Bicarb.)	300.0 (Cl/SO4/NO3)	314.0 (Perchlorate)	160.1 (TDS) & 9040B (pH)	200.8 (Cr+Pb)	Comments
1	MW-20-5	H_2O	4/24/03	805	HCl NONE HNO_3	3+1 +1+1	III	NORMAL	X	X	X	X	X	X	X	X	MINERALS: Na/K/Ca/As/Mg/Fe
2	MW-20-4	↓	↓	850	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
3	MW-20-3	↓	↓	1000	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
4	MW-20-2	↓	↓	1040	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
5	MW-20-1	↓	↓	1145	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
6																	
7	TB-5-4/24/03	H_2O	—	—	HCl	2	III	NORMAL	X								
8	EB-5-4/24/03	↓	4/24/03	905	HCl NONE HNO_3	3+1+ 1+1	↓	↓	X	X	X	X	X	X	X	X	
9	DUPE-3-2Q03	↓	—	—	↓	↓	IV	↓	X	X	X	X	X	X	X	X	
10																	

2931

SAMPLES COLLECTED BY: Leo W. Williamson

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Leo W. Williamson	[illegible]	4/24/03	1300	
[illegible] 4/24/03 1545	[illegible]	4/24/03	1545	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

MW-21

GEOFON's LAB COORDINATOR: Brad Shojaee	LAB COORDINATOR'S PHONE: (909) 396-7662	LAB COORDINATOR'S FAX: (909) 396-1455	LABORATORY SERVICE ID: —	LABORATORY CONTACT: Kenny Chan	MAIL REPORT (COMPANY NAME): GEOFON, INC.
PROJECT NAME: JPL GW MON-2003	PROJECT LOCATION: MW-21 (Hahamonga Park)	PROJECT NUMBER: 04-4428.10	LABORATORY PHONE: (909) 590-1828	LABORATORY FAX: (909) 590-1498	RECIPIENT NAME: Leo W. Williamson
PROJECT CONTACT: Leo W. Williamson	PROJECT PHONE NUMBER: (714) 920-8729	PROJECT FAX: (909) 396-1455	LABORATORY ADDRESS: 13760 Magnolia Ave		ADDRESS: 22632 Golden Springs Dr. #270
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena, CA.	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: Chino, CA. 91710		CITY, STATE AND ZIPCODE: Diamond Bar, CA. 91765
PROJECT MANAGER: Asgar Faheem	PROJECT MANAGER'S PHONE: (909) 396-7662	PROJECT MANAGER'S FAX: (909) 396-7865			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	524.2 (VOCs)	200.7 & 200.9 (Minerals)	7196 (Hex Chrome)	SM 2320B (Alk. Bicarb)	300.0 (Cl/SO4/NO3)	314.0 (Perchlorate)	160.1 (TDS) + 9040B (pH)	200.8 (Cd + Pb)	Comments
1	MW-21-5	H_2O	4/17/03	900	HCl NONE HNO_3	3+1+ 1+1	III	NORMAL	X	X	X	X	X	X	X	X	MINERALS: Na/K/Ca/As/Mg/Fe
2	MW-21-4	↓	↓	1000	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
3	MW-21-3	↓	↓	1110	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
4	MW-21-2	↓	↓	1205	↓	↓	↓	↓	X	X	X	X	X	X	X	X	2931
5	MW-21-1	↓	↓	1250	↓	↓	↓	↓	X	X	X	X	X	X	X	X	
6																	
7	TB-1-4/17/03	H_2O	—	—	HCl	2	III	NORMAL	X								
8	EB-1-4/17/03	↓	4/17/03	1215	HCl NONE HNO_3	3+1+ 1+1	↓	↓	X	X	X	X	X	X	X	X	
9																	
10																	

SAMPLES COLLECTED BY: Leo W. Williamson

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

SAMPLE'S CONDITION UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME
Leo W. Williamson	Richard Thomas	4-17-03	1345
Richard Thomas	Paul C	4-17-03	1435

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Applied P & Ch Laboratory
13760 Magnolia Ave., Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

2931

Sample Receiving Checklist

APCL ServiceID: _____ **Client Name/Project:** Geofon

1. Sample Arrival

Date/Time Received 4/17/03 1435 Date/Time Opened 4/17/03 1435 By (name): Paul Kar

Custody Transfer: ☐ Client ☐ Golden State ☐ UPS ☐ US Mail ☐ FedEx ☑ APCL Empl: R-Stratsar

2. Chain-of-Custody (CoC)

☑ With Samples? ☐ Faxed? ☑ Client has Copy? ☐ Signed, dated? By: _____
☑ Project ID? ☐ Analyses Clear? ☐ Hold Samples? #on Hold _____ # Received _____
☑ CoC/Docs Zip-Locked under lid? ☐ Compos.#: _ ☑ #Samples OK? _____
☐ Discrepancies? ☐ Client notified? ☐ Response (attach docs): _____

3. Shipping Container/Cooler

☑ Cooler Used? # of 1 Cooled by: ☑ Ice ☐ Blue Ice ☐ Dry Ice ☐ None
Temp °C 3.2°C _____ _____ _____ _____
(Cooler temperature measured from temp blank if present, otherwise measured from the cooler).
Cooler Custody Seal? ☑ Absent ☐ Intact ☐ Tampered?

4. Sample Preservation

☐ **pH <2** ☐ pH >12
If Not, pH = _____ Preserved by: ☐ Client ☐ APCL ☐ Third Party _____

5. Holding-time Requirements

☐ pH 24hr ☐ BACT 6/24hr ☐ Cr^{VI} 24hr ☐ NO_3^- 48hr ☐ BOD 48hr
☐ Cl_2 ASAP ☐ Turbidity 48hr ☐ DO ASAP ☐ Fe(II) ASAP
☐ HT Expired? ☐ Client notified?

6. Sample Container Condition

☑ Intact? ☐ Broken? ☐ Documented? Number: _____
Type: ☑ plastic ☑ glass ☐ Tube: brass/SS ☐ Tedlar Bag
☑ Quantity OK? ☐ Leaking? ☐ Anomaly?
☑ Caps tight? ☐ Air Bubbles? ☐ Anomaly?
Labels: ☑ Unique ID? ☐ Date/Time ☐ Preserved?

7. Turn Around Time

☑ RUSH TAT: 5 day ☐ Std (7-10 days) ☐ Not Marked

8. Sample Matrix

☐ Drinking H_2O ☑ Other Liq ☐ Soil ☐ Wipe ☐ Polymer ☐ Air ☐ Other: _____
☐ Ground H_2O ☐ Sludge ☐ Filter ☐ Oil/Petro ☐ Paint ☐ W. Water ☐ Extract ☐ Unknown

9. Pre-Login Check List Completed & OK?

☑ ALL OK? (if not, attach docs) ☐ Client Contact? (Name:_____)Date/Time:_____

Received/Checked by: Paul C Date: 17 Apr 2003 Time: 7:44 a.m.

*HT: Samples must be analyzed for results to reflect total concentrations. Results generated outside required of holding times are considered minimal values and may be used to define waste as hazardous but not as non-hazardous.

DocumentFile: [neal.texfiles]smprcl.tex.

Applied P & Ch Laboratory
13760 Magnolia Ave., Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Sample Receiving Checklist

APCL ServiceID: 2931 **Client Name/Project:** Geofon

1. Sample Arrival

Date/Time Received 4/21/03 1700 Date/Time Opened 4/21/03 1700 By (name): Paul Kon

Custody Transfer: ☐ Client ☐ Golden State ☐ UPS ☐ US Mail ☐ FedEx ☑ APCL Empl: Adam Wood

2. Chain-of-Custody (CoC)

☑ With Samples? ☐ Faxed? ☑ Client has Copy? ☐ Signed, dated? By: _____
☑ Project ID? ☑ Analyses Clear? ☐ Hold Samples? #on Hold _____ # Received _____
☑ CoC/Docs Zip-Locked under lid? ☐ Compos.#: _ ☑ #Samples OK? _____
☐ Discrepancies? ☐ Client notified? ☐ Response (attach docs): _____

3. Shipping Container/Cooler

☑ Cooler Used? # of 2 Cooled by: ☑ Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Temp °C 2.9°c 3.8°c _____ _____ _____ _____

(Cooler temperature measured from temp blank if present, otherwise measured from the cooler).

Cooler Custody Seal? ☐ Absent ☐ Intact ☐ Tampered?

4. Sample Preservation

☐ **pH <2** ☐ pH >12

If Not, pH = _____ Preserved by: ☐ Client ☐ APCL ☐ Third Party _____

5. Holding-time Requirements

☑ pH 24hr ☐ BACT 6/24hr ☑ Cr^{VI} 24hr ☑ NO_3^- 48hr ☐ BOD 48hr
☐ Cl_2 ASAP ☐ Turbidity 48hr ☐ DO ASAP ☐ Fe(II) ASAP
☐ HT Expired? ☐ Client notified?

6. Sample Container Condition

☑ Intact? ☐ Broken? ☐ Documented? Number: _____

Type: ☑ plastic ☑ glass ☐ Tube: brass/SS ☐ Tedlar Bag
☑ Quantity OK? ☐ Leaking? ☐ Anomaly?
☑ Caps tight? ☐ Air Bubbles? ☐ Anomaly?

Labels: ☑ Unique ID? ☐ Date/Time ☐ Preserved?

7. Turn Around Time

☑ RUSH TAT: 5day ☐ Std (7-10 days) ☐ Not Marked

8. Sample Matrix

☐ Drinking H_2O ☑ Other Liq ☐ Soil ☐ Wipe ☐ Polymer ☐ Air ☐ Other: _____
☐ Ground H_2O ☐ Sludge ☐ Filter ☐ Oil/Petro ☐ Paint ☐ W. Water ☐ Extract ☐ Unknown

9. Pre-Login Check List Completed & OK?

☑ ALL OK? (if not, attach docs) ☐ Client Contact? (Name:_____)Date/Time:_____

Received/Checked by: Paul K Date: 21 Apr 2003 Time: 7:38 a.m.

*HT: Samples must be analyzed for results to reflect total concentrations. Results generated outside required of holding times are considered minimal values and may be used to define waste as hazardous but not as non-hazardous.

DocumentFile: [acal.texfiles]smprcl.tex.

Applied P & Ch Laboratory
13760 Magnolia Ave., Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Sample Receiving Checklist

APCL ServiceID 2931 **Client Name/Project:** Geofon Inc

1. Sample Arrival

Date/Time Received 4/22/03 1555 Date/Time Opened 4/22/03 1555 By (name): Paul Kay
Custody Transfer: ☐ Client ☐ Golden State ☐ UPS ☐ US Mail ☐ FedEx ☑ APCL Empl: Adam West

2. Chain-of-Custody (CoC)

☑ With Samples? ☐ Faxed? ☑ Client has Copy? ☑ Signed, dated? By: L.W.
☑ Project ID? ☑ Analyses Clear? ☐ Hold Samples? #on Hold ____ # Received 7
☑ CoC/Docs Zip-Locked under lid? ☐ Compos.#: ___ ☑ #Samples OK?
☐ Discrepancies? ☐ Client notified? ☐ Response (attach docs): ____

3. Shipping Container/Cooler

☑ Cooler Used? # of 1 Cooled by: ☑ Ice ☐ Blue Ice ☐ Dry Ice ☐ None
Temp °C 2.9°C
(Cooler temperature measured from temp blank if present, otherwise measured from the cooler).
Cooler Custody Seal? ☑ Absent ☐ Intact ☐ Tampered?

4. Sample Preservation

☐ **pH <2** ☐ pH >12
If Not, pH = ____ Preserved by: ☐ Client ☐ APCL ☐ Third Party ____

5. Holding-time Requirements

☐ pH 24hr ☐ BACT 6/24hr ☐ Cr^{VI} 24hr ☐ NO_3^- 48hr ☐ BOD 48hr
☐ Cl_2 ASAP ☐ Turbidity 48hr ☐ DO ASAP ☐ Fe(II) ASAP
☐ HT Expired? ☐ Client notified?

6. Sample Container Condition

☑ Intact? ☐ Broken? ☐ Documented? Number: ____
Type: ☑ plastic ☑ glass ☐ Tube: brass/SS ☐ Tedlar Bag
☑ Quantity OK? ☐ Leaking? ☐ Anomaly?
☑ Caps tight? ☐ Air Bubbles? ☐ Anomaly?
Labels: ☑ Unique ID? ☐ Date/Time ☐ Preserved?

7. Turn Around Time

☑ RUSH TAT: 5 day ☐ Std (7-10 days) ☐ Not Marked

8. Sample Matrix

☐ Drinking H_2O ☑ Other Liq ☐ Soil ☐ Wipe ☐ Polymer ☐ Air ☐ Other: ____
☐ Ground H_2O ☐ Sludge ☐ Filter ☐ Oil/Petro ☐ Paint ☐ W. Water ☐ Extract ☐ Unknown

9. Pre-Login Check List Completed & OK?

☑ ALL OK? (if not, attach docs) ☐ Client Contact? (Name:____)Date/Time:____
Received/Checked by: Paul K Date: 22 Apr 2003 Time: 7:41 a.m.

***HT:** Samples must be analyzed for results to reflect total concentrations. Results generated outside required of holding times are considered minimal values and may be used to define waste as hazardous but not as non-hazardous.

DocumentFile: [neal.texfiles]smprcl.tex.

Applied P & Ch Laboratory
13760 Magnolia Ave., Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Sample Receiving Checklist

APCL ServiceID: 2931 **Client Name/Project:** Geson JPL

1. Sample Arrival

Date/Time Received 4/23/03 1555 Date/Time Opened 4/23/03 1555 By (name): Kenny Chan

Custody Transfer: ☐ Client ☐ Golden State ☐ UPS ☐ US Mail ☐ FedEx ☑ APCL Empl: Adam Wood

2. Chain-of-Custody (CoC)

☑ With Samples? ☑ Faxed? ☐ Client has Copy? ☐ Signed, dated? By:
☑ Project ID? ☑ Analyses Clear? ☐ Hold Samples? #on Hold ____ # Received 8
☑ CoC/Docs Zip-Locked under lid? ☐ Compos.#: ☑ #Samples OK?
☐ Discrepancies? ☐ Client notified? ☐ Response (attach docs):

3. Shipping Container/Cooler

☑ Cooler Used? # of 1 Cooled by: ☑ Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Temp °C 4.0

(Cooler temperature measured from temp blank if present, otherwise measured from the cooler).

Cooler Custody Seal? ☐ Absent ☐ Intact ☐ Tampered?

4. Sample Preservation

☐ **pH <2** ☐ pH >12

If Not, pH = ____ Preserved by: ☐ Client ☐ APCL ☐ Third Party

5. Holding-time Requirements

☐ pH 24hr ☐ BACT 6/24hr ☑ Cr^{VI} 24hr ☐ NO_3^- 48hr ☐ BOD 48hr
☐ Cl_2 ASAP ☐ Turbidity 48hr ☐ DO ASAP ☐ Fe(II) ASAP
☐ HT Expired? ☐ Client notified?

6. Sample Container Condition

☑ Intact? ☐ Broken? ☐ Documented? Number: ____

Type: ☑ plastic ☑ glass ☐ Tube: brass/SS ☐ Tedlar Bag
☑ Quantity OK? ☐ Leaking? ☐ Anomaly?
☑ Caps tight? ☐ Air Bubbles? ☐ Anomaly?

Labels: ☑ Unique ID? ☑ Date/Time ☐ Preserved?

7. Turn Around Time

☐ RUSH TAT: ____ ☑ Std (7-10 days) ☐ Not Marked

8. Sample Matrix

☐ Drinking H_2O ☑ Other Liq ☐ Soil ☐ Wipe ☐ Polymer ☐ Air ☐ Other: ____
☐ Ground H_2O ☐ Sludge ☐ Filter ☐ Oil/Petro ☐ Paint ☐ W. Water ☐ Extract ☐ Unknown

9. Pre-Login Check List Completed & OK?

☑ ALL OK? (if not, attach docs) ☐ Client Contact? (Name:____)Date/Time:____

Received/Checked by: [signature] Date: 23 Apr 2003 Time: 7:42 a.m.

*HT: Samples must be analyzed for results to reflect total concentrations. Results generated outside required of holding times are considered minimal values and may be used to define waste as hazardous but not as non-hazardous.

DocumentFile: [neal.texfiles]smprcl.tex.

Applied P & Ch Laboratory
13760 Magnolia Ave., Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Sample Receiving Checklist

APCL ServiceID: 2931 **Client Name/Project:** Geo6n

1. Sample Arrival

Date/Time Received 4/24/03 1545 Date/Time Opened 4/24/03 1545 By (name): Kenny Chan

Custody Transfer: ☐ Client ☐ Golden State ☐ UPS ☐ US Mail ☐ FedEx ☑ APCL Empl: Adam Wood

2. Chain-of-Custody (CoC)

☑ With Samples? ☑ Faxed? ☐ Client has Copy? ☐ Signed, dated? By: _____
☑ Project ID? ☑ Analyses Clear? ☐ Hold Samples? #on Hold _____ # Received 8
☑ CoC/Docs Zip-Locked under lid? ☐ Compos.#: _ ☑ #Samples OK? _____
☐ Discrepancies? ☐ Client notified? ☐ Response (attach docs): _____

3. Shipping Container/Cooler

☑ Cooler Used? # of 1 Cooled by: ☑ Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Temp °C 3.6 _____ _____ _____ _____ _____

(Cooler temperature measured from temp blank if present, otherwise measured from the cooler).

Cooler Custody Seal? ☐ Absent ☐ Intact ☐ Tampered?

4. Sample Preservation

☐ **pH <2** ☐ pH >12

If Not, pH = _____ Preserved by: ☐ Client ☐ APCL ☐ Third Party _____

5. Holding-time Requirements

☐ pH 24hr ☐ BACT 6/24hr ☑ Cr^{VI} 24hr ☐ NO_3^- 48hr ☐ BOD 48hr
☐ Cl_2 ASAP ☐ Turbidity 48hr ☐ DO ASAP ☐ Fe(II) ASAP
☐ HT Expired? ☐ Client notified?

6. Sample Container Condition

☑ Intact? ☐ Broken? ☐ Documented? Number: _____

Type: ☑ plastic ☑ glass ☐ Tube: brass/SS ☐ Tedlar Bag
☑ Quantity OK? ☐ Leaking? ☐ Anomaly?
☑ Caps tight? ☐ Air Bubbles? ☐ Anomaly?

Labels: ☑ Unique ID? ☑ Date/Time ☐ Preserved?

7. Turn Around Time

☐ RUSH TAT: _____ ☑ Std (7-10 days) ☐ Not Marked

8. Sample Matrix

☐ Drinking H_2O ☑ Other Liq ☐ Soil ☐ Wipe ☐ Polymer ☐ Air ☐ Other: _____
☐ Ground H_2O ☐ Sludge ☐ Filter ☐ Oil/Petro ☐ Paint ☐ W. Water ☐ Extract ☐ Unknown

9. Pre-Login Check List Completed & OK?

☑ ALL OK? (if not, attach docs) ☑ Client Contact? (Name:_____)Date/Time:_____

Received/Checked by: Kenny Chan Date: 24 Apr 2003 Time: 7:43 a.m.

*HT: Samples must be analyzed for results to reflect total concentrations. Results generated outside required of holding times are considered minimal values and may be used to define waste as hazardous but not as non-hazardous.

DocumentFile: [acal.texfiles]smprcl.tex.

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Sample Login: Check List

03-02931 (0470_ 133) (2202777_ 133)

04/28/03

Part 1: General Information

☐	Company Information	Name:	*GEOFON, Inc.*
		Address:	*22632 Golden Spring Dr Ste 270 ,Diamond Bar ,CA 91765*
☐	Project Information	Project Description:	*JPL*
		Project #:	*04-4428.10*
☐	Billing Information	P.O. #:	
		Bill Address:	*22632 Golden Spring Dr Ste 270 ,Diamond Bar ,CA 91765*
		Lab Project ID:	
		Client Database #:	*3*
☐	Receiving Information	Who Received Sample?	*Paul Kou*
		Receiving Date/Time:	*04/17/03 1435*
		COC No.	
☐	Shipping Information	Shipping Company	*APCL pick up*
		Packing Information:	*Cooler/Ice Chester*
		Cooler Temperature:	*3.2 °C*
☐	Container Information	Container Provider:	*Client*
☐	Sampling Information	Sampling Person:	
		Sampling Company:	*Client*
☐	Turn-Around-Time Option:		*Rush 5 working day(s)*
☐	QC Option:		*NEESA C*
☐	Disposal Option:		*Not specify*

Part 2: Sample Information

Seq. #	Sample ID (on COC)	Sample Sub-ID	APCL Sample ID	Matrix	Cont-tainer	Preser-vative	Vol, ml Am. g	# of Replica	Condition G, L, B	Collected mmddyy	Hold ?	Composite Group	TAT Days	
1	MW-21-5	Metal	03-02931-33	W	P	N	500	1	G	041703	N	0	7	☐
2	MW-21-4	Metal	03-02931-32	W	P	N	500	1	G	041703	N	0	7	☐
3	MW-21-3	Metal	03-02931-31	W	P	N	500	1	G	041703	N	0	7	☐
4	MW-21-2	Metal	03-02931-30	W	P	N	500	1	G	041703	N	0	7	☐
5	MW-21-1	Metal	03-02931-29	W	P	N	500	1	G	041703	N	0	7	☐
6	EB-1-4/17/03	Metal	03-02931-4	W	P	N	500	1	G	041703	N	0	7	☐
7	MW-4-5	Metal	03-02931-13	W	P	N	500	1	G	042103	N	0	7	☐
8	MW-4-4	Metal	03-02931-12	W	P	N	500	1	G	042103	N	0	7	☐
9	MW-4-3	Metal	03-02931-11	W	P	N	500	1	G	042103	N	0	7	☐
10	MW-4-2	Metal	03-02931-10	W	P	N	500	2	G	042103	N	0	7	☐
11	MW-4-1	Metal	03-02931-9	W	P	N	500	1	G	042103	N	0	7	☐
12	EB-2-4/21/03	Metal	03-02931-5	W	P	N	500	1	G	042103	N	0	7	☐
13	DUPE-1-2Q03	Metal	03-02931-1	W	P	N	500	1	G	042103	N	0	7	☐
14	SOURCE-2Q03	Metal	03-02931-34	W	P	N	500	1	G	042103	N	0	7	☐
15	MW-19-5	Metal	03-02931-23	W	P	N	500	1	G	042203	N	0	7	☐
16	MW-19-4	Metal	03-02931-22	W	P	N	500	1	G	042203	N	0	7	☐
17	MW-19-3	Metal	03-02931-21	W	P	N	500	1	G	042203	N	0	7	☐
18	MW-19-2	Metal	03-02931-20	W	P	N	500	2	G	042203	N	0	7	☐
19	MW-19-1	Metal	03-02931-19	W	P	N	500	1	G	042203	N	0	7	☐
20	EB-3-4/22/03	Metal	03-02931-6	W	P	N	500	1	G	042203	N	0	7	☐
21	MW-14-5	Metal	03-02931-18	W	P	N	500	1	G	042303	N	0	7	☐
22	MW-14-4	Metal	03-02931-17	W	P	N	500	1	G	042303	N	0	7	☐
23	MW-14-3	Metal	03-02931-16	W	P	N	500	1	G	042303	N	0	7	☐
24	MW-14-2	Metal	03-02931-15	W	P	N	500	1	G	042303	N	0	7	☐
25	MW-14-1	Metal	03-02931-14	W	P	N	500	1	G	042303	N	0	7	☐
26	EB-4-4/23/03	Metal	03-02931-7	W	P	N	500	1	G	042303	N	0	7	☐
27	DUPE-2-2Q03	Metal	03-02931-2	W	P	N	500	1	G	042303	N	0	7	☐
28	MW-20-5	Metal	03-02931-28	W	P	N	500	1	G	042403	N	0	7	☐
29	MW-20-4	Metal	03-02931-27	W	P	N	500	1	G	042403	N	0	7	☐
30	MW-20-3	Metal	03-02931-26	W	P	N	500	1	G	042403	N	0	7	☐
31	MW-20-2	Metal	03-02931-25	W	P	N	500	1	G	042403	N	0	7	☐
32	MW-20-1	Metal	03-02931-24	W	P	N	500	1	G	042403	N	0	7	☐
33	EB-5-4/24/03	Metal	03-02931-8	W	P	N	500	1	G	042403	N	0	7	☐
34	DUPE-3-2Q03	Metal	03-02931-3	W	P	N	500	1	G	042403	N	0	7	☐

Part 3: Analysis Information

Test Items:

☐ *200.7/6010B* Chromium, Cr, by ICP

☐ *200.7/6010B* Lead, Pb, by ICP

Seq. #	Client"s Sample ID (as given on COC)	Sample Sub-ID	APCL Sample ID	Matrix	CR	PB

1	MW-21-5	Metal	03-02931-33	W	X	X	☐
2	MW-21-4	Metal	03-02931-32	W	X	X	☐
3	MW-21-3	Metal	03-02931-31	W	X	X	☐
4	MW-21-2	Metal	03-02931-30	W	X	X	☐
5	MW-21-1	Metal	03-02931-29	W	X	X	☐
6	EB-1-4/17/03	Metal	03-02931-4	W	X	X	☐
7	MW-4-5	Metal	03-02931-13	W	X	X	☐
8	MW-4-4	Metal	03-02931-12	W	X	X	☐
9	MW-4-3	Metal	03-02931-11	W	X	X	☐
10	MW-4-2	Metal	03-02931-10	W	X	X	☐
11	MW-4-1	Metal	03-02931-9	W	X	X	☐
12	EB-2-4/21/03	Metal	03-02931-5	W	X	X	☐
13	DUPE-1-2Q03	Metal	03-02931-1	W	X	X	☐
14	SOURCE-2Q03	Metal	03-02931-34	W	X	X	☐
15	MW-19-5	Metal	03-02931-23	W	X	X	☐
16	MW-19-4	Metal	03-02931-22	W	X	X	☐
17	MW-19-3	Metal	03-02931-21	W	X	X	☐
18	MW-19-2	Metal	03-02931-20	W	X	X	☐
19	MW-19-1	Metal	03-02931-19	W	X	X	☐
20	EB-3-4/22/03	Metal	03-02931-6	W	X	X	☐
21	MW-14-5	Metal	03-02931-18	W	X	X	☐
22	MW-14-4	Metal	03-02931-17	W	X	X	☐
23	MW-14-3	Metal	03-02931-16	W	X	X	☐
24	MW-14-2	Metal	03-02931-15	W	X	X	☐
25	MW-14-1	Metal	03-02931-14	W	X	X	☐
26	EB-4-4/23/03	Metal	03-02931-7	W	X	X	☐
27	DUPE-2-2Q03	Metal	03-02931-2	W	X	X	☐
28	MW-20-5	Metal	03-02931-28	W	X	X	☐
29	MW-20-4	Metal	03-02931-27	W	X	X	☐
30	MW-20-3	Metal	03-02931-26	W	X	X	☐
31	MW-20-2	Metal	03-02931-25	W	X	X	☐
32	MW-20-1	Metal	03-02931-24	W	X	X	☐
33	EB-5-4/24/03	Metal	03-02931-8	W	X	X	☐
34	DUPE-3-2Q03	Metal	03-02931-3	W	X	X	☐

☐ Client"s Requirement: **RUN MS/MSD ON SAMPLE # 10,20** ✓

Login By En-Yu Paul Kou

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