U.S. Environmental Protection Agency
Region 7

Site: Agromac-Lockwo
ID#: NESFN0703537
Break: 1.3 Oth
Other: 68-S7-01-41
9 of 9 2-20-02

Superfund Technical Assessment and Response Team (START) 2 Contract

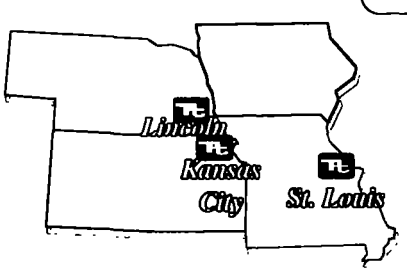
Contract No. 68-S7-01-41

Attachment 8

Agromac-Lockwood Operable Unit 2
Gering, Nebraska

Volume 9 of 9

40088823
SUPERFUND RECORDS



Tetra Tech EM Inc.

Printed on Recycled Paper

Columbia Analytical Services Inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

February 20, 2002

Mr. Curt Enos
Tetra Tech EM Inc.
8030 Flint St.
Lenexa, KS 66214

PROJECT:AGROMAC-LOCKWOOD G9011.01.0008.10
Submission #:R2210459

Dear Mr. Enos

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

Columbia Analytical Services Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client	: Tetra Tech EM Inc.
Project Reference	: AGROMAC-LOCKWOOD G9011.01.0008.10
Lab Submission #	: R2210459
Project Manager	: Mark Wilson
Reported	: 02/20/02

Report Contains a total of 491 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. _____

SDG NARRATIVE

CASE NARRATIVE

COMPANY: Tetra Tech EM Inc.
Agromac-Lockwood
SUBMISSION #: R2210459

Tetra Tech soil samples were collected on 01/18-22/02 and received at CAS on 01/25/02 in good condition.

INORGANICS

Soil samples were analyzed for a site list of Metals by EPA Methods 6010B and 7471A.

Initial analysis resulted in QC problems. All samples were analyzed several times without dilution, resulting in failed Run QC. The sample matrix caused a buildup on the ICP Injector/Nebulizer that eventually clogged. Samples were subsequently evaluated and analyzed at the lowest dilution possible.

All matrix spike recoveries were within QC limits except for Arsenic in sample OS-S-4-10/14, and Arsenic and Silver in sample SMP-S-3-0/2. All associated data has been flagged "N". All RPD were within limits except for Chromium in sample SMP-S-3-0/2.

All initial and continuing calibrations were compliant.

All blank spike recoveries were within QC limits.

No other analytical or QC problems were encountered with these analyses.

1 Mustard Street, Suite 250 ▪ Rochester, NY 14609-6925 ▪ Telephone (585) 288-5380 ▪ Fax (585) 288-8475

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: BA-S	BATCH COMPLETE: __yes_____	DATE REVISED:
SUBMISSION R2210459	DISKETTE REQUESTED: YES	DATE DUE: 02/23/02
CLIENT: Tetra Tech EM Inc.	DATE: 01/25/02	PROTOCOL: 846
CLIENT REP: Mark Wilson	CUSTODY SEAL: PRESENT/ABSENT:	SHIPPING No.:
PROJECT: AGROMAC-LOCKWOOD G9011.	CHAIN OF CUSTODY: PRESENT/ABSENT:	

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
526757	BA-S-2-2/6	SOIL	Met	1/19/02	1/25/02			
526760	BA-S-4-0/2	SOIL	Met	1/18/02	1/25/02			
526763	GBS-S-4-0/2	SOIL	Met	1/22/02	1/25/02			
526765	GBS-S-4-2/6	SOIL	Met	1/22/02	1/25/02			
526767	GBS-METALLIC Solid	SOIL	Met	1/21/02	1/25/02			
526769	HWSC-S-1-2/4	SOIL	Met	1/18/02	1/25/02			
526771	HWSC-S-4-2/4	SOIL	Met	1/18/02	1/25/02			
526773	HWSC-S-6-0/2	SOIL	Met	1/18/02	1/25/02			
526774	HWSC-S-7-2/4	SOIL	Met	1/18/02	1/25/02			
526775	HWSA-S-2-2/4	SOIL	Met	1/17/02	1/25/02			
526776	HWSB-S-2-0/2	SOIL	Met	1/17/02	1/25/02			
526777	HWSD-S-B4-0/2	SOIL	Met	1/17/02	1/25/02			
526778	OSEDS-S-A2-0/2	SOIL	Met	1/16/02	1/25/02			
526779	OSEDS-S-A14-0/2	SOIL	Met	1/16/02	1/25/02			
526780	OSEDS-S-B4-0/2	SOIL	Met	1/16/02	1/25/02			
526781	OSEDS-S-B4-2/4	SOIL	Met	1/17/02	1/25/02			
526782	OSEDS-S-C1-0/2	SOIL	Met	1/17/02	1/25/02			
526783	OSEDS-S-C2-0/2	SOIL	Met	1/17/02	1/25/02			
526784	OSEDS-S-C3-2/4	SOIL	Met	1/17/02	1/25/02			
526785	OS-S-4-0/2	SOIL	Met	1/21/02	1/25/02			
526786	OS-S-4-2/6	SOIL	Met	1/22/02	1/25/02			
526787	OS-S-4-6/10	SOIL	Met	1/22/02	1/25/02			
526788	OS-S-4-10/14	SOIL	QC Met	1/22/02	1/25/02			
526789	RPS-S-A2-0/2	SOIL	Met	1/17/02	1/25/02			
526790	RPS-S-C2-0/2-FD	SOIL	Met	1/17/02	1/25/02			
526791	RPS-S-C2-0/2	SOIL	Met	1/17/02	1/25/02			
526792	OS-S-01-0/2	SOIL	Met	1/21/02	1/25/02			
526793	OS-S-1-2/6	SOIL	Met	1/22/02	1/25/02			
526794	OS-S-1-6/10	SOIL	Met	1/22/02	1/25/02			
526795	OS-S-1-10/14	SOIL	Met	1/22/02	1/25/02			
526796	SA-S-B3-2/4	SOIL	Met	1/16/02	1/25/02			

04

SDG #: BA-S	0 BATCH COMPLETE: __yes_____	DATE REVISED:
SUBMISSION R2210459	DISKETTE REQUESTED: YES	DATE DUE: 02/23/02

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

CLIENT: Tetra Tech EM Inc. DATE: 01/25/02 PROTOCOL: 846
CLIENT REP: Mark Wilson CUSTODY SEAL: PRESENT/ABSENT: SHIPPING No.:
PROJECT: AGROMAC-LOCKWOOD G9011. CHAIN OF CUSTODY: PRESENT/ABSENT:

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
526797	SA-S-B3-2/4-FD	SOIL	Met	1/16/02	1/25/02			
526798	SA-S-D1-0/2	SOIL	Met	1/16/02	1/25/02			
526799	SAP-S-1-0/2	SOIL	Met	1/19/02	1/25/02			
526800	SAP-S-4-0/2	SOIL	Met	1/20/02	1/25/02			
526801	SI-S-2-0/2	SOIL	Met	1/20/02	1/25/02			
526802	SI-S-2-2/6	SOIL	Met	1/21/02	1/25/02			
526804	SI-S-2-2/6-FD	SOIL	Met	1/21/02	1/25/02			
526805	SI-S-5-0/2	SOIL	Met	1/21/02	1/25/02			
526807	SMP-S-1-0/2	SOIL	Met	1/18/02	1/25/02			
526809	SMP-S-3-0/2	SOIL	QC Met	1/18/02	1/25/02			
526811	SMP-S-6-0/2	SOIL	Met	1/18/02	1/25/02			
526812	SR-S-2-0/2	SOIL	Met	1/19/02	1/25/02			
526813	SR-S-3-2/6	SOIL	Met	1/19/02	1/25/02			
526814	SR-S-3-2/6-FD	SOIL	Met	1/19/02	1/25/02			
526815	SWD-S-1-0/2	SOIL	Met	1/17/02	1/25/02			
526816	SWD-S-7-0/2	SOIL	Met	1/17/02	1/25/02			

05

Columbia Analytical Services INC.

An Employee - Owned Company

Effective 2/8/02

CAS LIST OF QUALIFIERS

U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. For further explanation see case narrative / cover letter.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)

* - Inorganic Duplicate analysis not within control limits. Flag the entire batch - Inorganic analysis only

* - Organics QC data outside limits.

D - Spike diluted out.

S - Reported value determined by Method of Standard Additions. (MSA)

X - As specified in the case narrative.

CAS/Rochester Lab ID # for State Certifications

American Industrial Hygiene Assoc. ID #:100314
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

ACCREDITED IN ACCORDANCE WITH nelac

CHAINS OF CUSTODY
INTERNAL CHAINS

CHAIN-OF-CUSTODY RECORD

TETRA TECH EM INC.
8030 Flint Street
Lenexa, Kansas 66214
(913) 894-2600

Date: 1/23/02
Page: 2 of 3
Project No: G9011.61.0008.10
Shipment Method: Fed-X
Number of Coolers Shipped: 1

Project Name: Agromac - Lockwood
Project Manager: Jeff Hodge
Sampler: (Signature) Brian Wehrle

Sample Number:	Date:	Time:	Analyses (Preservative): Total Metals	Matrix Type	No. of Containers	Laboratory Comments:
OS-S-4-10/14-MSD	1-22-02	0755	1	S	1	526788
RPS-S-A2-0/2	1-17-02	1142	1	S	1	89
RPS-S-C2-0/2-FD	1-17-02	1346	1	S	1	90
RPS-S-C2-0/2	1-17-02	1346	1	S	1	91
OS-S-01-0/2	1-21-02	1030	1	S	1	92
OS-S-1-2/6	1-22-02	0745	1	S	1	93
OS-S-1-6/10	1-22-02	0840	1	S	1	94
OS-S-1-10/14	1-22-02	0900	1	S	1	95
A-S-B3-2/4	1-16-02	1655	1	S	1	96
A-S-B3-2/4-FD	1-16-02	1655	1	S	1	97
SA-S-D1-0/2	1-16-02	1803	1	S	1	98
SAP-S-1-0/2	1-19-02	1125	1	S	1	99
SAP-S-4-0/2	1-20-02	1305	1	S	1	100
SI-S-2-0/2	1-20-02	1054	1	S	1	01
SI-S-2-2/6	1-21-02	1616	1	S	1	02
SI-S-2-2/6-FD	1-21-02	1616	1	S	1	04
SI-S-5-0/2	1-21-02	1715	1	S	1	05
SMP-S-1-0/2	1-18-02	1048	1	S	1	07
SMP-S-3-0/2	1-18-02	1007	1	S	1	09
SMP-S-3-0/2-MS	1-18-02	1007	1	S	1	↓
SMP-S-3-0/2-MSD	1-18-02	1007	1	S	1	↓
SMP-S-6-0/2	1-18-02	0918	1	S	1	11
SR-S-2-0/2	1-19-02	0740	1	S	1	12
SR-S-3-2/6	1-19-02	0920	1	S	1	13

Turn-around Time Requested: See Contract

Matrix: S = Soil M = Sediment W = Water A = Air
Preservatives: 1 = Ice 2 = HCl 3 = H_2SO_4 4 = NaOH 5 = HNO_3

Relinquished By: (Signature)	Received By: (Signature)	Date:	Time:
Brian Wehrle		1-23-02	1430
Relinquished By: (Signature)	Received By: (Signature)	Date:	Time:
Relinquished By: (Signature)	Received By: (Signature)	Date:	Time:
		1/25/02	1000

White = Tetra Tech Yellow = Laboratory Pink = Return to Tetra Tech

CHAIN-OF-CUSTODY RECORD

TETRA TECH EM INC.
8030 Flint Street
Lenexa, Kansas 66214
(913) 894-2600

R2210459

Date: 1/23/02
Page: 1 of 3
Project No: G9011.01.0008.10
Shipment Method:
Number of Coolers Shipped:

Project Name: Agramac-Lockwood Site
Project Manager: Jeff Hodge
Sampler: (Signature) Brian Wilson

Sample Number:	Date:	Time:	Total Metals	Matrix Type	No. of Containers	Laboratory Comments:
BA-S-2-2/6	1-19-02	0821	1	S	1	526757
BP-S-4-0/2	1-18-02	1504	1	S	1	60
EBS-S-4-0/2	1-22-02	1240	1	S	1	63
GBS-S-4-2/6	1-22-02	1737	1	S	1	65
(GBS)-Metallic	1-21-02	1400	1	S	1	67
HWSC-S-1-2/4	1-18-02	1604	1	S	1	69
HWSC-S-4-2/4	1-18-02	1710	1	S	1	71
HWSC-S-6-0/2	1-18-02	1735	1	S	1	73
HWSC-S-7-2/4	1-18-02	1754	1	S	1	74
HWSA-S-2-2/4	1-17-02	1445	1	S	1	75
HWSB-S-2-0/2	1-17-02	1554	1	S	1	76
HWSD-S-B4-0/2	1-17-02	1115	1	S	1	77
OSEDS-S-A2-0/2	1-16-02	1517	1	S	1	78
OSEDS-S-A14-0/2	1-16-02	1745	1	S	1	79
OSEDS-S-B4-0/2	1-16-02	1930	1	S	1	80
OSEDS-S-B4-2/4	1-17-02	0834	1	S	1	81
OSEDS-S-C1-0/2	1-17-02	0940	1	S	1	82
OSEDS-S-C2-0/2	1-17-02	0952	1	S	1	83
OSEDS-S-C3-2/4	1-17-02	1016	1	S	1	84
OS-S-4-0/2	1-21-02	1540	1	S	1	85
OS-S-4-2/6	1-22-02	0750	1	S	1	86
OS-S-4-6/10	1-22-02	0845	1	S	1	87
OS-S-4-10/14	1-22-02	0755	1	S	1	88
OS-S-4-10/14-MS	1-22-02	0755	1	S	1	88

Analyses (Preservative)

Matrix: S = Soil M = Sediment W = Water A = Air
Preservatives: 1 = Ice 2 = HCl 3 = H_2SO_4 4 = NaOH 5 = HNO_3

Relinquished By: (Signature)	Received By: (Signature)	Date:	Time:
Brian Wilson		1-23-02	1930
Relinquished By: (Signature)	Received By: (Signature)	Date:	Time:
Relinquished By: (Signature)	Received By: (Signature) Brian Wilson	Date: 1/25/02	Time: 1000

White = Tetra Tech Yellow = Laboratory Pink = Return to Tetra Tech

CHAIN-OF-CUSTODY RECORD

TETRA TECH EM INC.
8030 Flint Street
Lenexa, Kansas 66214
(913) 894-2600

Date: 1/23/02
Page: 3 of 3
Project No: 69011.01.0008.10
Shipment Method: FedX
Number of Coolers Shipped: 1

Project Name: Agromac - Lockwood
Project Manager: Jeff Hodge
Sampler: (Signature) Brian Wheeler

Sample Number:	Date:	Time:	Analyses (Preservative) Total Metals	Matrix Type	No. of Containers	Laboratory Comments:
SR-S-3-2/6-FD	1-19-02	0920	1	S	1	526814
SWD-S-1-0/2	1-17-02	1620	1	S	1	15
SWD-S-7-0/2	1-17-02	1724	1	S	1	16

Turn-around Time Requested: See Contract

Matrix: S = Soil M = Sediment W = Water A = Air
Preservatives: 1 = Ice 2 = HCl 3 = H_2SO_4 4 = NaOH 5 = HNO_3

Relinquished By: (Signature)	Received By: (Signature)	Date:	Time:
Brian Wheeler		1-23-02	1930
Relinquished By: (Signature)	Received By: (Signature)	Date:	Time:
Relinquished By: (Signature)	Received By: (Signature) Allen	Date: 1/25/02	Time: 1000

White = Tetra Tech Yellow = Laboratory Pink = Return to Tetra Tech

Cooler Receipt And Preservation Check Form

Project/Client Tetra Tech Submission Number RA-10459.

Cooler received on 1/25/02 by: BC COURIER: CAS UPS (FEDEX) CD&L CLIENT

1. Were custody seals on outside of cooler? (YES) / NO
2. Were custody papers properly filled out (ink, signed, etc.)? (YES) NO
3. Did all bottles arrive in good condition (unbroken)? (YES) NO
4. Did any VOA vials have significant air bubbles? YES (NO) N/A
5. Were **Ice or Ice packs** present? (YES) NO
6. Where did the bottles originate? CAS/ROC, (CLIENT)
7. Temperature of cooler(s) upon receipt: 0°

Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 1/25/02 1015

Thermometer ID: Mbun Temp Blank Sample Bottle Cooler Temp. (IR. Gun)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 1-28-02 by: AE

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
2. Did all bottle labels and tags agree with custody papers? (YES) NO
3. Were correct containers used for the tests indicated? (YES) NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-11 pH slurry*	CLP SVOA					
5-9 pH slurry*	CLP* P/PCBs					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

*Do not adjust pH! Report in C/N **If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Other Comments:

INTERNAL CHAINS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
METALS	526757		JE	JM	1-28-02 16:25	A1	02/24/02
METALS	526760						02/24/02
METALS	526763						02/24/02
METALS	526765						02/24/02
METALS	526767						02/24/02
METALS	526769						02/24/02
METALS	526771						02/24/02
METALS	526773						02/24/02
METALS	526774						02/24/02
METALS	526775						02/24/02
METALS	526776						02/24/02
METALS	526777						02/24/02
METALS	526778						02/24/02
METALS	526779						02/24/02
METALS	526780						02/24/02
METALS	526781						02/24/02
METALS	526782						02/24/02
METALS	526783						02/24/02

INTERNAL CHAINS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
METALS	526784		AE	JM	1-25-02 1615	A1	02/24/02
METALS	526785						02/24/02
METALS	526786						02/24/02
METALS	526787						02/24/02
METALS	526788 QC						02/24/02
METALS	526789						02/24/02
METALS	526790						02/24/02
METALS	526791						02/24/02
METALS	526792						02/24/02
METALS	526793						02/24/02
METALS	526794						02/24/02
METALS	526795						02/24/02
METALS	526796						02/24/02
METALS	526797						02/24/02
METALS	526798						02/24/02
METALS	526799						02/24/02
METALS	526800						02/24/02
METALS	526801						02/24/02

INTERNAL \INS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
METALS	526802	1	ME	JM	1-28-02 16:25	A1	02/24/02
METALS	526804	1					02/24/02
METALS	526805	1					02/24/02
METALS	526807	1					02/24/02
METALS	526809 QC	1					02/24/02
METALS	526811	1					02/24/02
METALS	526812	1					02/24/02
METALS	526813	1					02/24/02
METALS	526814	1					02/24/02
METALS	526815	1					02/24/02
METALS	526816	1					02/24/02

INTERNAL CHAINS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
HG	526757	1	[illegible]	DCB	1-28-02 1630	C-3	02/24/02
HG	526760	1					02/24/02
HG	526763	1					02/24/02
HG	526765	1					02/24/02
HG	526767	1					02/24/02
HG	526769	1					02/24/02
HG	526771	1					02/24/02
HG	526773	1					02/24/02
HG	526774	1					02/24/02
HG	526775	1					02/24/02
HG	526776	1					02/24/02
HG	526777	1					02/24/02
HG	526778	1					02/24/02
HG	526779	1					02/24/02
HG	526780	1					02/24/02
HG	526781	1					02/24/02
HG	526782	1					02/24/02
HG	526783	1					02/24/02

INTERNAL CHAINS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
HG	526784	1	ME	DCB	1-28-02 16:30	C-3	02/24/02
HG	526785	1					02/24/02
HG	526786	1					02/24/02
HG	526787	1					02/24/02
HG	526788 QC	1					02/24/02
HG	526789	1					02/24/02
HG	526790	1					02/24/02
HG	526791	1					02/24/02
HG	526792	1					02/24/02
HG	526793	1					02/24/02
HG	526794	1					02/24/02
HG	526795	1					02/24/02
HG	526796	1					02/24/02
HG	526797	1					02/24/02
HG	526798	1					02/24/02
HG	526799	1					02/24/02
HG	526800	1					02/24/02
HG	526801	1					02/24/02

5

INTERNAL 'AINS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
HG	526802	1	JE	DCB	1-24-02 16:30	C-3	02/24/02
HG	526804	1					02/24/02
HG	526805	1					02/24/02
HG	526807	1					02/24/02
HG	526809 QC	1					02/24/02
HG	526811	1					02/24/02
HG	526812	1					02/24/02
HG	526813	1					02/24/02
HG	526814	1					02/24/02
HG	526815	1					02/24/02
HG	526816	1					02/24/02

17

INTERNAL 'AINS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
PERCENT SOLIDS	526757		[illegible]	TD	1-28-02 16:30	C-2	02/24/02
PERCENT SOLIDS	526760						02/24/02
PERCENT SOLIDS	526763						02/24/02
PERCENT SOLIDS	526765						02/24/02
PERCENT SOLIDS	526767						02/24/02
PERCENT SOLIDS	526769						02/24/02
PERCENT SOLIDS	526771						02/24/02
PERCENT SOLIDS	526773						02/24/02
PERCENT SOLIDS	526774						02/24/02
PERCENT SOLIDS	526775						02/24/02
PERCENT SOLIDS	526776						02/24/02
PERCENT SOLIDS	526777						02/24/02
PERCENT SOLIDS	526778						02/24/02
PERCENT SOLIDS	526779						02/24/02
PERCENT SOLIDS	526780						02/24/02
PERCENT SOLIDS	526781						02/24/02
PERCENT SOLIDS	526782						02/24/02
PERCENT SOLIDS	526783						02/24/02

18

INTERNAL AINS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
PERCENT SOLIDS	526784		AE	TD	1-28-02 16:30	C-2	02/24/02
PERCENT SOLIDS	526785						02/24/02
PERCENT SOLIDS	526786						02/24/02
PERCENT SOLIDS	526787						02/24/02
PERCENT SOLIDS	526788 QC						02/24/02
PERCENT SOLIDS	526789						02/24/02
PERCENT SOLIDS	526790						02/24/02
PERCENT SOLIDS	526791						02/24/02
PERCENT SOLIDS	526792						02/24/02
PERCENT SOLIDS	526793						02/24/02
PERCENT SOLIDS	526794						02/24/02
PERCENT SOLIDS	526795						02/24/02
PERCENT SOLIDS	526796						02/24/02
PERCENT SOLIDS	526797						02/24/02
PERCENT SOLIDS	526798						02/24/02
PERCENT SOLIDS	526799						02/24/02
PERCENT SOLIDS	526800						02/24/02
PERCENT SOLIDS	526801						02/24/02

INTERNAL CHAINS

CLIENT NAME: Tetra Tech EM Inc.

SDG#: SUBMISSION: R2210459 DATE REC'D: 01/25/02 1000

	ORDER #	# OF CONTAINERS	RELINQUISHED BY	RECEIVED BY	DATE TIME	STORAGE LOCATION	SCHEDULED LTS DATE
PERCENT SOLIDS	526802		[illegible]	TD	1-28-02 16:30	C-2	02/24/02
PERCENT SOLIDS	526804						02/24/02
PERCENT SOLIDS	526805						02/24/02
PERCENT SOLIDS	526807						02/24/02
PERCENT SOLIDS	526809 QC						02/24/02
PERCENT SOLIDS	526811						02/24/02
PERCENT SOLIDS	526812						02/24/02
PERCENT SOLIDS	526813						02/24/02
PERCENT SOLIDS	526814						02/24/02
PERCENT SOLIDS	526815						02/24/02
PERCENT SOLIDS	526816						02/24/02

METALS DATA

METALS
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Contract: R2210459 SDG No.: BA-S

Lab Code: Case No.: SAS No.:

SOW No.: SW846 CLP-M Client: Tetra Tech EM Inc.

Sample No.	Lab Sample ID.
BA-S-2-2/6	526757
B9-S-4-0/2	526760
GBS-S-4-0/2	526763
GBS-S-4-2/6	526765
GBS-METALLIC	526767
HWSC-S-1-2/4	526769
HWSC-S-4-2/4	526771
HWSC-S-6-0/2	526773
HWSC-S-7-2/4	526774
HWSA-S-2-2/4	526775
HWSB-S-2-0/2	526776
HWSD-S-B4-0/2	526777
OSEDS-S-A2-0/2	526778
OSEDS-S-A14-0/2	526779
OSEDS-S-B4-0/2	526780
OSEDS-S-B4-2/4	526781
OSEDS-S-C1-0/2	526782
OSEDS-S-C2-0/2	526783
OSEDS-S-C3-2/4	526784
OS-S-4-0/2	526785
OS-S-4-2/6	526786

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See Attached Case Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Michael K. Perry Name: Michael K. Perry

Date: 2/20/02 Title: Laboratory Manager

METALS
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Contract: R2210459 SDG No.: BA-S

Lab Code: Case No.: SAS No.:

SOW No.: SW846 CLP-M Client: Tetra Tech EM Inc.

Sample No.	Lab Sample ID.
OS-S-4-6/10	526787
OS-S-4-10/14	526788
OS-S-4-10/14D	526788D
OS-S-4-10/14S	526788S
RPS-S-A2-0/2	526789
RPS-S-C2-0/2-FD	526790
RPS-S-C2-0/2	526791
OS-S-01-0/2	526792
OS-S-1-2/6	526793
OS-S-1-6/10	526794
OS-S-1-10/14	526795
SA-S-B3-2/4	526796
SA-S-B3-2/4-FD	526797
SA-S-D1-0/2	526798
SAP-S-1-0/2	526799
SAP-S-4-0/2	526800
SI-S-2-0/2	526801
SI-S-2-2/6	526802
SI-S-2-2/6-FD	526804
SI-S-5-0/2	526805
SMP-S-1-0/2	526807

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See Attached Case Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Michael K. Perry Name: Michael K. Perry

Date: 2/20/02 Title: Laboratory Manager

METALS
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Contract: R2210459 SDG No.: BA-S

Lab Code: Case No.: SAS No.:

SOW No.: SW846 CLP-M Client: Tetra Tech EM Inc.

Sample No.	Lab Sample ID.
SMP-S-3-0/2	526809
SMP-S-3-0/2D	526809D
SMP-S-3-0/2S	526809S
SMP-S-6-0/2	526811
SR-S-2-0/2	526812
SR-S-3-2/6	526813
SR-S-3-2/6-FD	526814
SWD-S-1-0/2	526815
SWD-S-7-0/2	526816

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: See Attached Case Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Michael K. Perry Name: Michael K. Perry

Date: 2/20/02 Title: Laboratory Manager

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: B9-S-4-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526760

Level (low/med): LOW Date Received: 01/25/02

% Solids: 90.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.6		N	P
7440-39-3	Barium	180			P
7440-43-9	Cadmium	1.3			P
7440-47-3	Chromium	221			P
7439-92-1	Lead	27.8			P
7439-96-5	Manganese	621			P
7439-97-6	Mercury	0.03	B		CV
7782-49-2	Selenium	1.1			P
7440-22-4	Silver	0.16	U		P
7440-66-6	Zinc	401			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BA-S-2-2/6

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526757

Level (low/med): LOW Date Received: 01/25/02

% Solids: 81.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.95	U	N	P
7440-39-3	Barium	257			P
7440-43-9	Cadmium	1.0	B		P
7440-47-3	Chromium	7.8			P
7439-92-1	Lead	7.1			P
7439-96-5	Manganese	251			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.83	U		P
7440-22-4	Silver	0.18	U		P
7440-66-6	Zinc	35.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

GBS-METALLIC

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOLID Lab Sample ID: 526767

Level (low/med): LOW Date Received: 01/25/02

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	13.6		N	P
7440-39-3	Barium	7.2	U		P
7440-43-9	Cadmium	79.5			P
7440-47-3	Chromium	1.4	B		P
7439-92-1	Lead	12700			P
7439-96-5	Manganese	36.0			P
7439-97-6	Mercury	0.03			CV
7782-49-2	Selenium	3.4	U		P
7440-22-4	Silver	1.1	B		P
7440-66-6	Zinc	743000			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: GBS-S-4-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526763

Level (low/med): LOW Date Received: 01/25/02

% Solids: 98.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.3	B	N	P
7440-39-3	Barium	42.0			P
7440-43-9	Cadmium	1.1			P
7440-47-3	Chromium	3.5			P
7439-92-1	Lead	22.5			P
7439-96-5	Manganese	79.2			P
7439-97-6	Mercury	0.002	U		CV
7782-49-2	Selenium	0.68	U		P
7440-22-4	Silver	0.15	U		P
7440-66-6	Zinc	2090			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: GBS-S-4-2/6

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526765

Level (low/med): LOW Date Received: 01/25/02

% Solids: 98.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.79	U	N	P
7440-39-3	Barium	59.6			P
7440-43-9	Cadmium	0.60	B		P
7440-47-3	Chromium	4.3			P
7439-92-1	Lead	19.2			P
7439-96-5	Manganese	80.8			P
7439-97-6	Mercury	0.002	U		CV
7782-49-2	Selenium	0.69	U		P
7440-22-4	Silver	0.15	U		P
7440-66-6	Zinc	1490			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

HWSA-S-2-2/4

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526775

Level (low/med): LOW Date Received: 01/25/02

% Solids: 81.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.97	U	N	P
7440-39-3	Barium	185			P
7440-43-9	Cadmium	1.2	B		P
7440-47-3	Chromium	9.5			P
7439-92-1	Lead	8.1			P
7439-96-5	Manganese	287			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.84	U		P
7440-22-4	Silver	0.19	U		P
7440-66-6	Zinc	41.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

HWSB-S-2-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526776

Level (low/med): LOW Date Received: 01/25/02

% Solids: 89.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.0		N	P
7440-39-3	Barium	157			P
7440-43-9	Cadmium	2.7			P
7440-47-3	Chromium	73.8			P
7439-92-1	Lead	541			P
7439-96-5	Manganese	463			P
7439-97-6	Mercury	0.03	B		CV
7782-49-2	Selenium	0.75	U		P
7440-22-4	Silver	0.16	U		P
7440-66-6	Zinc	1540			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

HWSC-S-1-2/4

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526769

Level (low/med): LOW Date Received: 01/25/02

% Solids: 84.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.5	U	N	P
7440-39-3	Barium	254			P
7440-43-9	Cadmium	2.9	B		P
7440-47-3	Chromium	6.8	B		P
7439-92-1	Lead	24.7			P
7439-96-5	Manganese	451			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	3.9	U		P
7440-22-4	Silver	0.86	U		P
7440-66-6	Zinc	6470			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

HWSC-S-4-2/4

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526771

Level (low/med): LOW Date Received: 01/25/02

Solids: 87.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.96	B	N	P
7440-39-3	Barium	257			P
7440-43-9	Cadmium	0.91	B		P
7440-47-3	Chromium	7.5			P
7439-92-1	Lead	14.4			P
7439-96-5	Manganese	472			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.79	U		P
7440-22-4	Silver	0.17	U		P
7440-66-6	Zinc	3670			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

HWSC-S-6-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526773

Level (low/med): LOW Date Received: 01/25/02

% Solids: 84.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.6	U	N	P
7440-39-3	Barium	274			P
7440-43-9	Cadmium	47.5			P
7440-47-3	Chromium	10.8	B		P
7439-92-1	Lead	1390			P
7439-96-5	Manganese	228			P
7439-97-6	Mercury	0.02	B		CV
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.87	U		P
7440-66-6	Zinc	149000			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

HWSC-S-7-2/4

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526774

Level (low/med): LOW Date Received: 01/25/02

% Solids: 85.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.2	U	N	P
7440-39-3	Barium	251			P
7440-43-9	Cadmium	1.0	B		P
7440-47-3	Chromium	7.2			P
7439-92-1	Lead	8.9			P
7439-96-5	Manganese	299			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	0.43	U		P
7440-66-6	Zinc	908			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
HWSD-S-B4-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526777

Level (low/med): LOW Date Received: 01/25/02

% Solids: 87.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.4	B	N	P
7440-39-3	Barium	267			P
7440-43-9	Cadmium	1.0	B		P
7440-47-3	Chromium	7.4			P
7439-92-1	Lead	10.3			P
7439-96-5	Manganese	370			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.84	B		P
7440-22-4	Silver	0.17	U		P
7440-66-6	Zinc	111			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OSEDS-S-A14-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526779

Level (low/med): LOW Date Received: 01/25/02

% Solids: 84.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.0		N	P
7440-39-3	Barium	224			P
7440-43-9	Cadmium	3.3			P
7440-47-3	Chromium	10.5			P
7439-92-1	Lead	144			P
7439-96-5	Manganese	332			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.78	U		P
7440-22-4	Silver	0.17	U		P
7440-66-6	Zinc	6040			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OSEDS-S-A2-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526778

Level (low/med): LOW Date Received: 01/25/02

% Solids: 84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.2	B	N	P
7440-39-3	Barium	289			P
7440-43-9	Cadmium	1.9	B		P
7440-47-3	Chromium	14.3			P
7439-92-1	Lead	107			P
7439-96-5	Manganese	388			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	0.44	U		P
7440-66-6	Zinc	1380			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
OSEDS-S-B4-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526780

Level (low/med): LOW Date Received: 01/25/02

% Solids: 89.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U	N	P
7440-39-3	Barium	208			P
7440-43-9	Cadmium	1.7	B		P
7440-47-3	Chromium	7.9	B		P
7439-92-1	Lead	1030			P
7439-96-5	Manganese	288			P
7439-97-6	Mercury	0.19			CV
7782-49-2	Selenium	3.8	U		P
7440-22-4	Silver	0.83	U		P
7440-66-6	Zinc	1950			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OSEDS-S-B4-2/4

ontract: R2210459

ab Code: Case No.: SAS No.: SDG NO.: BA-S

atrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526781

evel (low/med): LOW Date Received: 01/25/02

Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.9		N	P
7440-39-3	Barium	247			P
7440-43-9	Cadmium	1.5			P
7440-47-3	Chromium	9.3			P
7439-92-1	Lead	1260			P
7439-96-5	Manganese	356			P
7439-97-6	Mercury	0.09			CV
7782-49-2	Selenium	0.77	U		P
7440-22-4	Silver	0.17	U		P
7440-66-6	Zinc	358			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
OSEDS-S-C1-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526782

Level (low/med): LOW Date Received: 01/25/02

% Solids: 89.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.2	U	N	P
7440-39-3	Barium	217			P
7440-43-9	Cadmium	1.4	B		P
7440-47-3	Chromium	8.9			P
7439-92-1	Lead	49.2			P
7439-96-5	Manganese	279			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	0.42	U		P
7440-66-6	Zinc	1210			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OSEDS-S-C2-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526783

Level (low/med): LOW Date Received: 01/25/02

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.3	U	N	P
7440-39-3	Barium	326			P
7440-43-9	Cadmium	1.3	B		P
7440-47-3	Chromium	10.3			P
7439-92-1	Lead	62.2			P
7439-96-5	Manganese	287			P
7439-97-6	Mercury	0.02	B		CV
7782-49-2	Selenium	2.0	U		P
7440-22-4	Silver	0.43	U		P
7440-66-6	Zinc	2090			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
OSEDS-S-C3-2/4

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526784

Level (low/med): LOW Date Received: 01/25/02

Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.2	U	N	P
7440-39-3	Barium	200			P
7440-43-9	Cadmium	1.2	B		P
7440-47-3	Chromium	8.1			P
7439-92-1	Lead	27.6			P
7439-96-5	Manganese	359			P
7439-97-6	Mercury	0.03	B		CV
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	0.43	U		P
7440-66-6	Zinc	1440			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OS-S-01-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526792

Level (low/med): LOW Date Received: 01/25/02

% Solids: 87.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.3		N	P
7440-39-3	Barium	246			P
7440-43-9	Cadmium	1.2			P
7440-47-3	Chromium	9.2		*	P
7439-92-1	Lead	10.0			P
7439-96-5	Manganese	346			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.76	U		P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	55.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OS-S-1-10/14

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526795

Level (low/med): LOW Date Received: 01/25/02

% Solids: 94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.4	B	N	P
7440-39-3	Barium	182			P
7440-43-9	Cadmium	0.62	B		P
7440-47-3	Chromium	4.5		*	P
7439-92-1	Lead	5.5			P
7439-96-5	Manganese	372			P
7439-97-6	Mercury	0.003	U		CV
7782-49-2	Selenium	0.73	U		P
7440-22-4	Silver	0.16	U	N	P
7440-66-6	Zinc	16.1			P

r Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OS-S-1-2/6

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526793

Level (low/med): LOW Date Received: 01/25/02

% Solids: 92.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.8		N	P
7440-39-3	Barium	278			P
7440-43-9	Cadmium	0.93	B		P
7440-47-3	Chromium	7.6		*	P
7439-92-1	Lead	8.1			P
7439-96-5	Manganese	345			P
7439-97-6	Mercury	0.00	B		CV
7782-49-2	Selenium	0.72	U		P
7440-22-4	Silver	0.16	U	N	P
7440-66-6	Zinc	28.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OS-S-1-6/10

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526794

Level (low/med): LOW Date Received: 01/25/02

% Solids: 95.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.4		N	P
7440-39-3	Barium	329			P
7440-43-9	Cadmium	0.82	B		P
7440-47-3	Chromium	6.4		*	P
7439-92-1	Lead	7.2			P
7439-96-5	Manganese	399			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.72	U		P
7440-22-4	Silver	0.16	U	N	P
7440-66-6	Zinc	22.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OS-S-4-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526785

Level (low/med): LOW Date Received: 01/25/02

% Solids: 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.0		N	P
7440-39-3	Barium	223			P
7440-43-9	Cadmium	1.2			P
7440-47-3	Chromium	10.1		*	P
7439-92-1	Lead	10.6			P
7439-96-5	Manganese	354			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.89	B		P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	51.2			P

r Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OS-S-4-10/14

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526788

Level (low/med): LOW Date Received: 01/25/02

% Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.1		N	P
7440-39-3	Barium	173			P
7440-43-9	Cadmium	0.63	B		P
7440-47-3	Chromium	4.7			P
7439-92-1	Lead	6.5			P
7439-96-5	Manganese	324			P
7439-97-6	Mercury	0.00	B		CV
7782-49-2	Selenium	0.71	U		P
7440-22-4	Silver	0.16	U		P
7440-66-6	Zinc	17.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OS-S-4-2/6

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526786

Level (low/med): LOW Date Received: 01/25/02

% Solids: 88.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.90	B	N	P
7440-39-3	Barium	302			P
7440-43-9	Cadmium	1.0	B		P
7440-47-3	Chromium	8.4		*	P
7439-92-1	Lead	7.8			P
7439-96-5	Manganese	359			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	1.0	B		P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	34.3			P

or Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
OS-S-4-6/10

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526787

Level (low/med): LOW Date Received: 01/25/02

% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.3		N	P
7440-39-3	Barium	395			P
7440-43-9	Cadmium	0.98	B		P
7440-47-3	Chromium	8.2		*	P
7439-92-1	Lead	7.5			P
7439-96-5	Manganese	347			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.74	U		P
7440-22-4	Silver	0.16	U	N	P
7440-66-6	Zinc	29.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

RPS-S-A2-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526789

Level (low/med): LOW Date Received: 01/25/02

% Solids: 91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.95	B	N	P
7440-39-3	Barium	167			P
7440-43-9	Cadmium	0.75	B		P
7440-47-3	Chromium	28.1		*	P
7439-92-1	Lead	103			P
7439-96-5	Manganese	280			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.74	U		P
7440-22-4	Silver	0.16	U	N	P
7440-66-6	Zinc	339			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

RPS-S-C2-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526791

Level (low/med): LOW Date Received: 01/25/02

% Solids: 84.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.5	U	N	P
7440-39-3	Barium	300			P
7440-43-9	Cadmium	0.97	B		P
7440-47-3	Chromium	350		*	P
7439-92-1	Lead	3470			P
7439-96-5	Manganese	302			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.78	U		P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	103			P

r Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

RPS-S-C2-0/2-FD

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526790

Level (low/med): LOW Date Received: 01/25/02

% Solids: 84.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.6	U	N	P
7440-39-3	Barium	316			P
7440-43-9	Cadmium	1.0	B		P
7440-47-3	Chromium	352		*	P
7439-92-1	Lead	3420			P
7439-96-5	Manganese	316			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.80	U		P
7440-22-4	Silver	0.18	U	N	P
7440-66-6	Zinc	110			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
SAP-S-1-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526799

Level (low/med): LOW Date Received: 01/25/02

% Solids: 83.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.93	U	N	P
7440-39-3	Barium	201			P
7440-43-9	Cadmium	1.5			P
7440-47-3	Chromium	16.6		*	P
7439-92-1	Lead	9.3			P
7439-96-5	Manganese	269			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.81	U		P
7440-22-4	Silver	0.18	U	N	P
7440-66-6	Zinc	3790			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SAP-S-4-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526800

Level (low/med): LOW Date Received: 01/25/02

% Solids: 91.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.87	U	N	P
7440-39-3	Barium	246			P
7440-43-9	Cadmium	0.97	B		P
7440-47-3	Chromium	11.0		*	P
7439-92-1	Lead	11.9			P
7439-96-5	Manganese	310			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.76	U		P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	2590			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: SA-S-B3-2/4

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526796

Level (low/med): LOW Date Received: 01/25/02

% Solids: 80.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.9		N	P
7440-39-3	Barium	328			P
7440-43-9	Cadmium	1.2	B		P
7440-47-3	Chromium	9.8		*	P
7439-92-1	Lead	7.9			P
7439-96-5	Manganese	298			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.86	U		P
7440-22-4	Silver	0.19	U	N	P
7440-66-6	Zinc	41.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SA-S-B3-2/4-FD

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526797

Level (low/med): LOW Date Received: 01/25/02

% Solids: 80.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.97	U	N	P
7440-39-3	Barium	270			P
7440-43-9	Cadmium	1.1	B		P
7440-47-3	Chromium	8.9		*	P
7439-92-1	Lead	7.6			P
7439-96-5	Manganese	279			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.84	U		P
7440-22-4	Silver	0.19	U	N	P
7440-66-6	Zinc	38.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: SA-S-D1-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526798

Level (low/med): LOW Date Received: 01/25/02

% Solids: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.0	B	N	P
7440-39-3	Barium	315			P
7440-43-9	Cadmium	1.4			P
7440-47-3	Chromium	15.9		*	P
7439-92-1	Lead	76.9			P
7439-96-5	Manganese	284			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.77	U		P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	206			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SI-S-2-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526801

Level (low/med): LOW Date Received: 01/25/02

% Solids: 84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.90	U	N	P
7440-39-3	Barium	300			P
7440-43-9	Cadmium	1.2			P
7440-47-3	Chromium	12.0		*	P
7439-92-1	Lead	30.2			P
7439-96-5	Manganese	435			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	1.2			P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	643			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SI-S-2-2/6

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526802

Level (low/med): LOW Date Received: 01/25/02

% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.86	U	N	P
7440-39-3	Barium	255			P
7440-43-9	Cadmium	0.94	B		P
7440-47-3	Chromium	10.5		*	P
7439-92-1	Lead	10.1			P
7439-96-5	Manganese	349			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.75	U		P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	70.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SI-S-2-2/6-FD

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526804

Level (low/med): LOW Date Received: 01/25/02

% Solids: 90.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.87	U	N	P
7440-39-3	Barium	232			P
7440-43-9	Cadmium	0.89	B		P
7440-47-3	Chromium	10.4		*	P
7439-92-1	Lead	10.1			P
7439-96-5	Manganese	342			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	1.2			P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	94.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
SI-S-5-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526805

Level (low/med): LOW Date Received: 01/25/02

% Solids: 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.88	U	N	P
7440-39-3	Barium	253			P
7440-43-9	Cadmium	1.1	B		P
7440-47-3	Chromium	32.2		*	P
7439-92-1	Lead	106			P
7439-96-5	Manganese	314			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	1.4			P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	349			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SMP-S-1-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526807

Level (low/med): LOW Date Received: 01/25/02

% Solids: 88.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.6			P
7440-39-3	Barium	161			P
7440-43-9	Cadmium	0.86			P
7440-47-3	Chromium	37.8			P
7439-92-1	Lead	98.1			P
7439-96-5	Manganese	347			P
7439-97-6	Mercury	0.02	B		CV
7782-49-2	Selenium	0.39	U		P
7440-22-4	Silver	0.34	B		P
7440-66-6	Zinc	494			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SMP-S-3-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526809

Level (low/med): LOW Date Received: 01/25/02

% Solids: 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.86	U	N	P
7440-39-3	Barium	191			P
7440-43-9	Cadmium	0.91	B		P
7440-47-3	Chromium	8.0		*	P
7439-92-1	Lead	12.9			P
7439-96-5	Manganese	229			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.75	U		P
7440-22-4	Silver	0.17	U	N	P
7440-66-6	Zinc	55.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
SMP-S-6-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526811

Level (low/med): LOW Date Received: 01/25/02

% Solids: 87.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	188			P
7440-43-9	Cadmium	0.50	B		P
7440-47-3	Chromium	11.9			P
7439-92-1	Lead	35.2			P
7439-96-5	Manganese	235			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.39	U		P
7440-22-4	Silver	0.04	U		P
7440-66-6	Zinc	92.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SR-S-2-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526812

Level (low/med): LOW Date Received: 01/25/02

% Solids: 82.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	348			P
7440-43-9	Cadmium	0.46	B		P
7440-47-3	Chromium	25.4			P
7439-92-1	Lead	64.0			P
7439-96-5	Manganese	280			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.42	U		P
7440-22-4	Silver	0.40	B		P
7440-66-6	Zinc	42.0			P

or Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: SR-S-3-2/6

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526813

Level (low/med): LOW Date Received: 01/25/02

% Solids: 82.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.9			P
7440-39-3	Barium	232			P
7440-43-9	Cadmium	0.38	B		P
7440-47-3	Chromium	8.8			P
7439-92-1	Lead	9.5			P
7439-96-5	Manganese	258			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.40	U		P
7440-22-4	Silver	0.29	B		P
7440-66-6	Zinc	35.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SR-S-3-2/6-FD

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526814

Level (low/med): LOW Date Received: 01/25/02

% Solids: 82.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	222			P
7440-43-9	Cadmium	0.39	B		P
7440-47-3	Chromium	8.7			P
7439-92-1	Lead	8.3			P
7439-96-5	Manganese	255			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.42	U		P
7440-22-4	Silver	0.04	U		P
7440-66-6	Zinc	37.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
SWD-S-1-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526815

Level (low/med): LOW Date Received: 01/25/02

% Solids: 81.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	261			P
7440-43-9	Cadmium	0.85			P
7440-47-3	Chromium	11.8			P
7439-92-1	Lead	207			P
7439-96-5	Manganese	317			P
7439-97-6	Mercury	0.12			CV
7782-49-2	Selenium	0.42	U		P
7440-22-4	Silver	0.23	B		P
7440-66-6	Zinc	1550			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SWD-S-7-0/2

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 526816

Level (low/med): LOW Date Received: 01/25/02

% Solids: 82.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	185			P
7440-43-9	Cadmium	1.5			P
7440-47-3	Chromium	13.2			P
7439-92-1	Lead	58.3			P
7439-96-5	Manganese	251			P
7439-97-6	Mercury	0.01	B		CV
7782-49-2	Selenium	0.40	U		P
7440-22-4	Silver	0.04	U		P
7440-66-6	Zinc	1520			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source: PE PURE

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000.0	999.21	99.9	1000.0	1001.46	100.1	1012.79	101.3	P
Barium	10000.0	10360.87	103.6	10000.0	10339.01	103.4	10403.84	104.0	P
Cadmium	500.0	513.98	102.8	500.0	512.52	102.5	513.05	102.6	P
Chromium	500.0	504.99	101.0	500.0	506.17	101.2	506.03	101.2	P
Lead	500.0	507.49	101.5	500.0	505.71	101.1	507.87	101.6	P
Manganese	750.0	759.41	101.3	750.0	760.97	101.5	773.05	103.1	P
Mercury	3.0	3.05	101.7	3.0	3.03	101.0	3.08	102.7	CV
Selenium	500.0	497.93	99.6	500.0	495.81	99.2	499.77	100.0	P
Silver	500.0	498.38	99.7	500.0	504.06	100.8	498.56	99.7	P
Zinc	1000.0	1018.74	101.9	1000.0	1018.04	101.8	1019.87	102.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	1014.22	101.4	1019.38	101.9	P
Barium				10000.0	10373.23	103.7	10357.59	103.6	P
Cadmium				500.0	513.03	102.6	509.03	101.8	P
Chromium				500.0	507.53	101.5	505.47	101.1	P
Lead				500.0	506.90	101.4	507.52	101.5	P
Manganese				750.0	771.78	102.9	767.46	102.3	P
Mercury				3.0	3.13	104.3	3.16	105.3	CV
Selenium				500.0	505.14	101.0	502.45	100.5	P
Silver				500.0	503.99	100.8			P
Zinc				1000.0	1021.92	102.2	1012.35	101.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	1016.39	101.6	1014.86	101.5	P
Barium				10000.0	10387.94	103.9	10407.90	104.1	P
Cadmium				500.0	508.09	101.6	515.25	103.1	P
Chromium				500.0	504.10	100.8	506.50	101.3	P
Lead				500.0	504.17	100.8	513.29	102.7	P
Manganese				750.0	766.53	102.2	766.81	102.2	P
Mercury				3.0	3.15	105.0			CV
Selenium				500.0	499.93	100.0	507.95	101.6	P
Zinc				1000.0	1026.77	102.7	1020.81	102.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source: PE PURE

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic	1000.0	1027.42	102.7	1000.0	1024.65	102.5	999.17	99.9	P
Barium	10000.0	10530.46	105.3	10000.0	10517.83	105.2	10283.10	102.8	P
Cadmium	500.0	523.49	104.7	500.0	518.17	103.6	510.58	102.1	P
Chromium	500.0	520.14	104.0	500.0	515.02	103.0	501.44	100.3	P
Lead	500.0	521.59	104.3	500.0	517.94	103.6	516.25	103.3	P
Manganese	750.0	781.44	104.2	750.0	774.60	103.3	750.19	100.0	P
Mercury	3.0	3.13	104.3	3.0	3.14	104.7	3.17	105.7	CV
Selenium	500.0	513.71	102.7	500.0	508.17	101.6	503.91	100.8	P
Silver	500.0	511.89	102.4	500.0	507.19	101.4	495.64	99.1	P
Zinc	1000.0	1048.66	104.9	1000.0	1038.16	103.8	1016.68	101.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	993.25	99.3	992.56	99.3	P
Barium				10000.0	10282.90	102.8	10283.30	102.8	P
Cadmium				500.0	513.63	102.7	506.29	101.3	P
Chromium				500.0	504.33	100.9	497.96	99.6	P
Lead				500.0	514.00	102.8	507.71	101.5	P
Manganese				750.0	753.68	100.5	747.28	99.6	P
Mercury				3.0	3.09	103.0	2.99	99.7	CV
Selenium				500.0	499.67	99.9	496.22	99.2	P
Silver				500.0	497.78	99.6	492.39	98.5	P
Zinc				1000.0	1022.40	102.2	1010.31	101.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	996.55	99.7	978.89	97.9	P
Barium				10000.0	10300.43	103.0	10291.16	102.9	P
Cadmium				500.0	520.07	104.0	511.08	102.2	P
Chromium				500.0	507.58	101.5	496.31	99.3	P
Lead				500.0	519.75	103.9	515.00	103.0	P
Manganese				750.0	756.83	100.9	742.06	98.9	P
Selenium				500.0	504.82	101.0	500.01	100.0	P
Silver				500.0	501.79	100.4	492.18	98.4	P
Zinc				1000.0	1032.61	103.3	1014.80	101.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	995.33	99.5	974.55	97.5	P
Barium				10000.0	10485.43	104.9	10489.48	104.9	P
Cadmium				500.0	524.94	105.0	522.54	104.5	P
Chromium				500.0	509.47	101.9	498.90	99.8	P
Lead				500.0	528.55	105.7	533.36	106.7	P
Manganese				750.0	758.53	101.1	737.33	98.3	P
Selenium				500.0	510.66	102.1	512.26	102.5	P
Silver				500.0	504.35	100.9	494.80	99.0	P
Zinc				1000.0	1039.85	104.0	1028.97	102.9	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	946.37	94.6			P
Barium				10000.0	10501.60	105.0			P
Cadmium				500.0	530.53	106.1			P
Chromium				500.0	496.13	99.2			P
Lead				500.0	543.95	108.8			P
Manganese				750.0	723.69	96.5			P
Selenium				500.0	512.19	102.4			P
Silver				500.0	494.00	98.8			P
Zinc				1000.0	1035.65	103.6			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source: PE PURE

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000.0	1029.57	103.0	1000.0	1059.18	105.9	1062.06	106.2	P
Barium	10000.0	10368.67	103.7	10000.0	10349.72	103.5	10343.52	103.4	P
Cadmium	500.0	511.34	102.3	500.0	507.60	101.5	506.54	101.3	P
Chromium	500.0	514.22	102.8	500.0	520.51	104.1	519.58	103.9	P
Lead	500.0	508.99	101.8	500.0	503.83	100.8	503.97	100.8	P
Manganese	750.0	773.94	103.2	750.0	788.93	105.2	785.81	104.8	P
Selenium	500.0	502.96	100.6	500.0	502.00	100.4	500.47	100.1	P
Silver	500.0	498.09	99.6	500.0	502.30	100.5	500.98	100.2	P
Zinc	1000.0	1018.02	101.8	1000.0	1020.07	102.0	1024.65	102.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	1055.51	105.6			P
Barium				10000.0	10346.35	103.5			P
Cadmium				500.0	509.76	102.0			P
Chromium				500.0	520.19	104.0			P
Lead				500.0	504.71	100.9			P
Manganese				750.0	783.65	104.5			P
Selenium				500.0	498.46	99.7			P
Silver				500.0	501.13	100.2			P
Zinc				1000.0	1099.78	110.0	1026.02	102.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source: PE PURE

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	1000.0	1016.82	101.7	1000.0	1023.44	102.3	1028.35	102.8	P
Barium	10000.0	10438.29	104.4	10000.0	10437.71	104.4	10451.51	104.5	P
Cadmium	500.0	512.42	102.5	500.0	520.22	104.0	515.77	103.2	P
Chromium	500.0	507.41	101.5	500.0	513.01	102.6	510.41	102.1	P
Lead	500.0	508.38	101.7	500.0	512.35	102.5	510.60	102.1	P
Manganese	750.0	771.69	102.9	750.0	781.79	104.2	776.11	103.5	P
Selenium	500.0	501.92	100.4	500.0	509.41	101.9	510.67	102.1	P
Silver	500.0	490.25	98.1	500.0	494.88	99.0	492.79	98.6	P
Zinc	1000.0	1025.17	102.5	1000.0	1039.91	104.0	1028.57	102.9	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	1008.52	100.9	1009.63	101.0	P
Barium				10000.0	10359.10	103.6	10347.92	103.5	P
Cadmium				500.0	505.59	101.1	506.92	101.4	P
Chromium				500.0	500.63	100.1	502.52	100.5	P
Lead				500.0	503.71	100.7	502.15	100.4	P
Manganese				750.0	767.27	102.3	769.73	102.6	P
Selenium				500.0	501.94	100.4	503.38	100.7	P
Silver				500.0	483.94	96.8	486.02	97.2	P
Zinc				1000.0	1009.86	101.0	1012.79	101.3	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	1015.42	101.5	1009.95	101.0	P
Barium				10000.0	10345.76	103.5	10330.65	103.3	P
Cadmium				500.0	512.74	102.5	510.71	102.1	P
Chromium				500.0	506.28	101.3	508.07	101.6	P
Lead				500.0	503.47	100.7	501.72	100.3	P
Manganese				750.0	769.56	102.6	768.44	102.5	P
Selenium				500.0	502.18	100.4	501.02	100.2	P
Silver				500.0	490.81	98.2	490.58	98.1	P
Zinc				1000.0	1021.79	102.2	1021.93	102.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				1000.0	1018.03	101.8	1014.55	101.5	P
Barium				10000.0	10456.60	104.6	10455.57	104.6	P
Cadmium				500.0	516.55	103.3	512.61	102.5	P
Chromium				500.0	511.14	102.2	502.90	100.6	P
Lead				500.0	509.48	101.9	516.48	103.3	P
Manganese				750.0	779.42	103.9	766.03	102.1	P
Selenium				500.0	507.97	101.6	509.21	101.8	P
Silver				500.0	494.13	98.8	488.13	97.6	P
Zinc				1000.0	1070.21	107.0	1056.12	105.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	994.61	99.5	999.12	99.9	P
Barium				10000.0	10437.02	104.4	10458.78	104.6	P
Cadmium				500.0	516.19	103.2	522.00	104.4	P
Chromium				500.0	502.33	100.5	506.17	101.2	P
Lead				500.0	512.03	102.4	521.16	104.2	P
Manganese				750.0	760.25	101.4	755.47	100.7	P
Selenium				500.0	500.63	100.1	513.46	102.7	P
Silver				500.0	487.81	97.6	491.71	98.3	P
Zinc				1000.0	1027.44	102.7			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Arsenic				1000.0	1001.53	100.2			P
Barium				10000.0	10445.52	104.5			P
Cadmium				500.0	515.79	103.2			P
Chromium				500.0	502.82	100.6			P
Lead				500.0	519.09	103.8			P
Manganese				750.0	760.63	101.4			P
Selenium				500.0	508.83	101.8			P
Silver				500.0	488.40	97.7			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source: PE PURE

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Zinc	1000.0	1041.78	104.2	1000.0	1032.74	103.3	1019.10	101.9	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Zinc				1000.0	1035.15	103.5	1040.82	104.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Initial Calibration Source:

Continuing Calibration Source: PE PURE

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Zinc				1000.0	1037.02	103.7			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG No.: BA-S

AA CRDL Standard Source:

ICP CRDL Standard Source: CPI

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	21.97	109.8	23.57	117.8
Barium								
Cadmium				10.0	10.27	102.7	10.32	103.2
Chromium				20.0	20.54	102.7	20.35	101.8
Lead				6.0	6.40	106.7	6.35	105.8
Manganese				30.0	31.18	103.9	33.31	111.0
Mercury	0.2	0.20	100.0					
Selenium				10.0	9.15	91.5	9.26	92.6
Silver				20.0	18.99	94.9	19.25	96.3
Zinc				40.0	42.17	105.4	43.66	109.2

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG No.: BA-S

AA CRDL Standard Source:

ICP CRDL Standard Source: CPI

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	20.28	101.4	19.17	95.8
Barium								
Cadmium				10.0	10.51	105.1	10.76	107.6
Chromium				20.0	20.96	104.8	20.78	103.9
Lead				6.0	6.74	112.3	7.23	120.5
Manganese				30.0	32.10	107.0	30.62	102.1
Mercury	0.2	0.21	105.0					
Selenium				10.0	12.82	128.2	12.01	120.1
Silver				20.0	19.69	98.4	17.91	89.6
Zinc				40.0	42.14	105.3	42.97	107.4

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG No.: BA-S

AA CRDL Standard Source:

ICP CRDL Standard Source: CPI

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	21.12	105.6	22.06	110.3
Barium								
Cadmium				10.0	10.21	102.1	10.37	103.7
Chromium				20.0	20.31	101.6	21.12	105.6
Lead				6.0	5.89	98.2	5.98	99.7
Manganese				30.0	31.58	105.3	32.42	108.1
Selenium				10.0	11.42	114.2	11.68	116.8
Silver				20.0	20.05	100.3	20.36	101.8
Zinc				40.0	41.92	104.8	51.87	129.7

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG No.: BA-S

AA CRDL Standard Source:

ICP CRDL Standard Source: CPI

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	19.43	97.2	22.00	110.0
Barium								
Cadmium				10.0	10.20	102.0	10.22	102.2
Chromium				20.0	20.11	100.6	20.10	100.5
Lead				6.0	5.84	97.3	5.97	99.5
Manganese				30.0	30.91	103.0	30.35	101.2
Selenium				10.0	8.85	88.5	8.37	83.7
Silver				20.0	18.40	92.0	18.26	91.3
Zinc				40.0	40.61	101.5	43.98	109.9

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG No.: BA-S

AA CRDL Standard Source:

ICP CRDL Standard Source: CPI

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0			22.21	111.1
Barium								
Cadmium				10.0			10.33	103.3
Chromium				20.0			19.97	99.8
Lead				6.0			6.06	101.0
Manganese				30.0			30.50	101.7
Selenium				10.0			10.73	107.3
Silver				20.0			18.06	90.3

METALS
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG No.: BA-S

AA CRDL Standard Source:

ICP CRDL Standard Source: CPI

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Zinc				40.0	40.66	101.7	38.60	96.5

METALS

-3-

BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.397	U	P
Barium	7.4	U	7.4	U	7.4	U	7.4	U	0.735	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.044	U	P
Chromium	1.2	U	1.2	U	1.2	U	1.2	U	0.123	U	P
Lead	0.9	B	1.4	B	0.8	U	0.8	U	0.082	U	P
Manganese	1.3	U	1.3	U	6.6	B	4.3	B	0.134	B	P
Mercury	0.02	U	0.02	U	0.02	U	0.02	U	0.003	U	CV
Selenium	3.5	U	3.5	U	3.5	U	3.5	U	0.346	U	P
Silver	0.4	B	0.4	B	0.3	U	0.4	B	0.033	U	P
Zinc	4.3	U	4.3	U	4.3	U	4.3	U	0.428	U	P

METALS

-3-

BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			7.4	U	7.4	U	7.4	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Chromium			1.2	U	1.2	U	1.2	U			P
Lead			0.8	U	0.8	U	0.8	U			P
Manganese			1.8	B	2.3	B	1.3	U			P
Mercury			0.02	U	0.02	U			0.003	U	CV
Selenium			3.5	U	3.5	U	3.5	U			P
Zinc			4.3	U	8.3	B	4.3	U			P

METALS

-3-

BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.397	U	P
Barium	7.4	U	7.4	U	7.4	U	7.4	U	0.735	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.044	U	P
Chromium	1.2	U	1.2	U	1.2	U	1.2	U	0.136	B	P
Lead	0.8	U	0.8	U	0.8	U	0.8	U	0.082	U	P
Manganese	1.3	U	1.3	U	1.3	U	1.3	U	0.128	U	P
Mercury	0.02	U	0.02	U	0.02	U	0.02	U	0.003	U	CV
Selenium	3.5	U	3.5	U	3.5	U	3.5	U	0.346	U	P
Silver	1.4	B	0.8	B	0.8	U	0.8	U	0.076	U	P
Zinc	4.3	U	4.3	U	4.3	U	4.3	U	0.428	U	P

METALS

-3-

BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			7.4	U	7.4	U	7.4	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Chromium			1.2	U	1.2	U	1.2	U			P
Lead			0.8	U	0.8	U	0.8	U			P
Manganese			1.3	U	1.3	U	1.3	U			P
Mercury			0.04	B							CV
Selenium			3.5	U	3.5	U	3.5	U			P
Silver			0.8	U	0.8	U	0.8	U			P
Zinc			4.3	U	4.3	U	4.3	U			P

METALS

-3-

BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			7.4	U	7.4	U	9.6	B			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Chromium			1.2	U	1.2	U	1.2	U			P
Lead			0.8	U	0.8	U	0.8	U			P
Manganese			1.3	U	1.3	U	1.3	U			P
Selenium			3.5	U	3.5	B	3.5	U			P
Silver			0.8	U	0.8	U	0.8	U			P
Zinc			4.3	U	4.3	U	4.3	U			P

METALS

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BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		M
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U					P
Barium	7.4	U	7.4	U	7.4	U	7.4	U					P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U					P
Chromium	1.2	U	1.2	U	1.2	U	1.2	U					P
Lead	0.8	U	0.8	U	0.8	U	0.8	U					P
Manganese	1.3	U	1.3	U	1.3	U	1.3	U					P
Selenium	3.5	U	3.5	U	3.5	U	3.5	U					P
Silver	1.1	B	1.7	B	1.2	B	1.3	B					P
Zinc	4.3	U	4.3	U	4.3	U	17.8	B					P

METALS

-3-

BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Zinc			4.3	U							P

METALS

-3-

BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.397	U	P
Barium	7.4	U	7.4	U	7.4	U	7.4	U	0.735	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.044	U	P
Chromium	1.2	U	1.2	U	1.2	U	1.2	U	0.123	U	P
Lead	0.8	U	0.8	U	0.8	U	0.8	U	0.082	U	P
Manganese	1.3	U	1.3	U	1.3	U	1.3	U	0.128	U	P
Selenium	3.5	U	3.5	U	3.5	U	3.5	U	0.346	U	P
Silver	0.8	U	0.8	U	0.8	U	0.8	U	0.076	U	P
Zinc	4.3	U	4.3	U	4.3	U	4.3	U	1.385	B	P

METALS

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BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			7.4	U	7.4	U	7.4	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Chromium			1.2	U	1.2	U	1.2	U			P
Lead			0.8	U	0.8	U	0.8	U			P
Manganese			1.3	U	1.3	U	1.3	U			P
Selenium			3.5	U	3.5	U	3.5	U			P
Silver			0.8	U	0.8	U	0.8	U			P
Zinc			4.3	U	4.3	U	4.3	U			P

METALS

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BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			4.0	U	4.0	U	4.0	U			P
Barium			7.4	U	7.4	U	9.5	B			P
Cadmium			0.4	U	0.4	U	0.5	B			P
Chromium			1.2	U	1.2	U	1.2	U			P
Lead			0.8	U	0.8	U	0.8	U			P
Manganese			1.3	U	1.3	U	1.3	U			P
Selenium			3.5	U	3.5	U	3.5	U			P
Silver			0.8	U	0.8	U	0.8	U			P
Zinc			15.4	B	14.0	B	4.3	U			P

METALS

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BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			4.0	U	4.0	U					P
Barium			22.3	B	20.2	B					P
Cadmium			1.1	B	1.1	B					P
Chromium			1.4	B	1.2	U					P
Lead			1.7	B	1.3	B					P
Manganese			2.2	B	1.9	B					P
Selenium			3.5	U	3.5	U					P
Silver			0.8	B	0.8	U					P

METALS

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BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Zinc	4.3	U	4.3	U	4.3	U	4.3	U			P

METALS

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BLANKS

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Zinc			4.3	U	4.3	U					P

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ICP INTERFERENCE CHECK SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 ICS Source: PE PURE

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic			6	2.4		10	2.4	
Barium		500	-2	540.4	108.1	-5	535.2	107.0
Cadmium		1000	6	962.0	96.2	6	953.7	95.4
Chromium		500	6	505.7	101.1	6	500.2	100.0
Lead		1000	-2	970.9	97.1	-3	956.7	95.7
Manganese		500	6	512.9	102.6	7	513.1	102.6
Selenium			5	-0.4		4	5.8	
Zinc		1000	6	956.1	95.6	8	945.9	94.6

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ICP INTERFERENCE CHECK SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 ICS Source: PE PURE

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic			4	-2.9		5	1.2	
Barium		500	-9	536.5	107.3	-7	541.7	108.3
Cadmium		1000	5	977.5	97.8	4	1004.9	100.5
Chromium		500	6	509.1	101.8	7	492.1	98.4
Lead		1000	-21	967.5	96.8	-18	1021.8	102.2
Manganese		500	9	509.7	101.9	6	476.9	95.4
Selenium			7	3.9		7	8.0	
Silver		1000	-11	1119.0	111.9	-14	1093.0	109.3
Zinc		1000	7	969.2	96.9	6	970.2	97.0

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ICP INTERFERENCE CHECK SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 ICS Source: PE PURE

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic			-8	-8.0		0	-11.3	
Barium		500	-3	526.4	105.3	-3	523.0	104.6
Cadmium		1000	0	939.3	93.9	0	936.5	93.7
Chromium		500	10	506.5	101.3	10	503.5	100.7
Lead		1000	-6	943.9	94.4	-6	943.5	94.3
Manganese		500	-4	499.5	99.9	-3	495.4	99.1
Selenium			6	3.7		8	9.3	
Silver		1000	-17	1091.2	109.1	-16	1087.6	108.8
Zinc		1000	5	909.7	91.0	11	958.0	95.8

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ICP INTERFERENCE CHECK SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 ICS Source: PE PURE

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic			1	3.9		2	-3.4	
Barium		500	-7	529.4	105.9	-8	529.4	105.9
Cadmium		1000	6	957.5	95.8	6	959.8	96.0
Chromium		500	7	499.1	99.8	7	493.7	98.7
Lead		1000	-4	966.5	96.7	-3	977.5	97.8
Manganese		500	8	511.0	102.2	8	501.6	100.3
Selenium			5	6.2		4	1.9	
Silver		1000	-11	1091.3	109.1	-12	1083.9	108.4
Zinc		1000	6	937.6	93.8	8	937.9	93.8

-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 ICS Source: PE PURE

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic			0	0.0		5	0.1	
Barium		500	0	0.0		-7	531.3	106.3
Cadmium		1000	0	0.0		6	961.5	96.2
Chromium		500	0	0.0		7	494.7	98.9
Lead		1000	0	0.0		-4	981.2	98.1
Manganese		500	0	0.0		8	501.4	100.3
Selenium			0	0.0		4	3.6	
Silver		1000	0	0.0		-12	1088.8	108.9

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ICP INTERFERENCE CHECK SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 ICS Source: PE PURE

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Zinc		1000	7	952.5	95.2	3	965.3	96.5

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ICP INTERFERENCE CHECK SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP ICS Source: PE PURE

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver		1000	4	1102.4	110.2	2	1113.1	111.3

METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

OS-S-4-10/14S

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SED Level (low/med): LOW

% Solids for Sample: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	75 - 125	5.3399		3.0719		4.15	54.7	N	P
Barium	75 - 125	385.3323		172.5699		207.27	102.6		P
Cadmium	75 - 125	5.2219		0.6274	B	5.18	88.7		P
Chromium	75 - 125	23.1444		4.6920		20.73	89.0		P
Lead	75 - 125	54.1827		6.4722		51.82	92.1		P
Manganese		332.2140		324.2581		51.82	15.4		P
Mercury	75 - 125	0.1654		0.0040	B	0.16	100.9		CV
Selenium	75 - 125	90.5443		0.7102	U	104.67	86.5		P
Silver	75 - 125	3.9491		0.1564	U	5.18	76.2		P
Zinc	75 - 125	61.6390		16.9623		51.82	86.2		P

Comments:

METALS
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

SMP-S-3-0/2S

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SED Level (low/med): LOW

% Solids for Sample: 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	75 - 125	6.0816		0.8627	U	4.43	137.3	N	P
Barium	75 - 125	401.7298		191.2986		221.56	95.0		P
Cadmium	75 - 125	6.2911		0.9062	B	5.54	97.2		P
Chromium	75 - 125	29.4780		8.0131		22.16	96.9		P
Lead	75 - 125	70.6824		12.8707		55.39	104.4		P
Manganese		286.4953		229.2427		55.39	103.4		P
Mercury	75 - 125	0.1954		0.0054	B	0.19	100.0		CV
Selenium	75 - 125	101.7188		0.7518	U	111.89	90.9		P
Silver	75 - 125	4.0741		0.1656	U	5.54	73.6	N	P
Zinc	75 - 125	112.2879		55.0814		55.39	103.3		P

ents:

METALS
-5B-
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

OS-S-4-10/14A

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SED Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Arsenic		50.85		14.97		40.0	89.7		P
Barium		2761.60		840.74		2000.0	96.0		P
Cadmium		48.88		3.06	B	50.0	91.6		P
Chromium		206.36		22.86		200.0	91.8		P
Lead		508.40		31.53		500.0	95.4		P
Manganese		2106.27		1579.75		500.0	105.3		P
Selenium		834.09		3.46	U	1010.0	82.6		P
Silver		41.87		0.76	U	50.0	83.7		P
Zinc		526.99		82.64		500.0	88.9		P

Comments:

METALS
-5B-
POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.: SMP-S-3-0/2A

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SED Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic		32.07		3.97	U	40.0	80.2		P
Barium		2794.80		880.36		2000.0	95.7		P
Cadmium		51.59		4.17	B	50.0	94.8		P
Chromium		219.17		36.88		200.0	91.1		P
Lead		560.96		59.23		500.0	100.3		P
Manganese		1468.59		1054.97		500.0	82.7		P
Selenium		919.93		3.46	U	1010.0	91.1		P
Silver		41.47		0.76	U	50.0	82.9		P
Zinc		717.63		253.48		500.0	92.8		P

Comments:

METALS

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DUPLICATES

SAMPLE NO.

OS-S-4-10/14D

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDI Level (low/med): LOW

% Solids for Sample: 94.6 % Solids for Duplicate: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Arsenic		3.0719		1.8892	B	47.7		P
Barium		172.5699		174.9278		1.4		P
Cadmium		0.6274	B	0.6410	B	2.1		P
Chromium	2.1	4.6920		4.3493		7.6		P
Lead		6.4722		7.4599		14.2		P
Manganese		324.2581		320.9002		1.0		P
Mercury		0.0040	B	0.0044	B	8.3		CV
Selenium		0.7102	U	0.7315	U			P
Silver		0.1564	U	0.1611	U			P
Zinc	4.2	16.9623		16.7592		1.2		P

METALS

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DUPLICATES

SAMPLE NO.

SMP-S-3-0/2D

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDI Level (low/med): LOW

% Solids for Sample: 88.5 % Solids for Duplicate: 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Arsenic		0.8627	U	0.8883	U			P
Barium		191.2986		194.4909		1.7		P
Cadmium		0.9062	B	0.9570	B	5.4		P
Chromium	2.2	8.0131		10.6365		28.1	*	P
Lead		12.8707		12.5663		2.4		P
Manganese		229.2427		248.1057		7.9		P
Mercury		0.0054	B	0.0049	B	11.3		CV
Selenium		0.7518	U	0.7742	U			P
Silver		0.1656	U	0.1705	U			P
Zinc		55.0814		55.6775		1.1		P

METALS
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LABORATORY CONTROL SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Arsenic				185.0	165.5		138.0	233.0	89.4
Barium				177.0	157.0		137.0	218.0	88.7
Cadmium				64.0	60.7		49.2	78.7	94.8
Chromium				143.0	126.4		114.0	171.0	88.4
Lead				119.0	113.6		90.9	148.0	95.5
Manganese				388.0	342.6		311.0	465.0	88.3
Mercury				1.5	1.4		0.9	2.1	91.1
Selenium				150.0	132.4		111.0	188.0	88.3
Silver				90.0	93.6		67.0	113.0	103.9
Zinc				273.0	249.1		211.0	335.0	91.3

METALS
-7-
LABORATORY CONTROL SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic				185.0	175.3		138.0 233.0	94.7
Barium				177.0	180.5		137.0 218.0	102.0
Cadmium				64.0	62.7		49.2 78.7	97.9
Chromium				143.0	134.0		114.0 171.0	93.7
Lead				119.0	115.5		90.9 148.0	97.0
Manganese				388.0	381.2		311.0 465.0	98.2
Mercury				1.5	1.5		0.9 2.1	97.8
Selenium				150.0	138.8		111.0 188.0	92.6
Silver				90.0	75.9		67.0 113.0	84.3
Zinc				273.0	254.8		211.0 335.0	93.3

METALS
-7-
LABORATORY CONTROL SAMPLE

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Arsenic				185.0	167.5		138.0	233.0	90.6
Barium				177.0	159.5		137.0	218.0	90.1
Cadmium				64.0	58.5		49.2	78.7	91.4
Chromium				143.0	128.0		114.0	171.0	89.5
Lead				119.0	107.0		90.9	148.0	89.9
Manganese				388.0	340.5		311.0	465.0	87.8
Mercury				1.5	1.4		0.9	2.1	97.0
Selenium				150.0	130.3		111.0	188.0	86.8
Silver				90.0	71.0		67.0	113.0	78.9
Zinc				273.0	232.8		211.0	335.0	85.3

METALS
-9-
ICP SERIAL DILUTIONS

SAMPLE NO.

OS-S-4-10/14L

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDI Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	14.97		23.38	B	56.3		P
Barium	840.74		872.55		3.8		P
Cadmium	3.06	B	3.09	B	1.3		P
Chromium	22.86		22.42	B	2.0		P
Lead	31.53		28.91		8.3		P
Manganese	1579.75		1650.40		4.5		P
Selenium	3.46	U	17.30	U			P
Silver	0.76	U	3.81	U			P
Zinc	82.64		79.84	B	3.4		P

METALS
-9-
ICP SERIAL DILUTIONS

SAMPLE NO.

SI-S-5-0/2L

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDI Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	3.97	U	19.85	U			P
Cadmium	4.94	B	5.62	B	13.4		P
Chromium	145.46		141.38		2.8		P
Selenium	6.18		23.93	B	287.5		P
Silver	0.76	U	3.81	U			P

METALS
-9-
ICP SERIAL DILUTIONS

SAMPLE NO.

SMP-S-3-0/2L

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDI Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	3.97	U	19.85	U			P
Barium	880.36		867.89		1.4		P
Cadmium	4.17	B	4.03	B	2.9		P
Chromium	36.88		38.01	B	3.0		P
Lead	59.23		57.66		2.7		P
Manganese	1054.97		1035.36		1.9		P
Selenium	3.46	U	17.30	U			P
Silver	0.76	U	3.81	U			P
Zinc	253.48		254.11		0.2		P

METALS

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

SWD-S-7-0/2L

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOIL/SEDI Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	27.50		19.85	U	100.0		P
Barium	1581.65		1632.60		3.2		P
Cadmium	12.90		19.73	B	53.1		P
Chromium	113.41		117.30		3.4		P
Lead	499.25		520.98		4.4		P
Manganese	2149.71		2240.72		4.2		P
Selenium	3.46	U	17.30	U			P
Silver	0.33	U	1.66	U			P
Zinc	1304.52		1326.36		1.7		P

METALS

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

GBS-METALLICL

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Matrix (soil/water): SOLID Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Zinc	1515.18		1460.67		3.6		P

METALS

-10-

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP Date: 01/14/02

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.07		10.0	0.3	P

Comments

METALS

-10-

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 Date: 11/14/01

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Arsenic	188.979		10.0	4.0	P
Barium	233.53		40.0	7.3	P
Cadmium	226.50		5.0	0.4	P
Chromium	267.72		10.0	1.2	P
Lead	220.35		5.0	0.8	P
Manganese	257.61		10.0	1.3	P
Selenium	196.03		5.0	3.5	P
Silver	328.07		10.0	0.8	P
Zinc	206.20		20.0	4.3	P

Comments

METALS
-10-
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Date: 09/18/01

Flame AA ID Number: PE FAA/CVAA

Furnace AA ID Number:

Analyte	Wave-length	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70	BD	0.2	0.02	CV

Comments

METALS

-11A-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP Date: 11/28/01

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	-0.0829615	0.0000000
Arsenic	188.979	0.0000000	-1.6582500	0.0000000	-0.055626
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.2279210	0.0000000
Boron	249.773	0.0000000	0.0000000	1.4744700	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.1355740	0.0000000
Calcium	430.253	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	-0.4044630	0.0000000
Iron	238.863	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0652829	-0.0452089	0.0000000	-0.024136
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	404.721	0.0000000	12.7785997	-67.321098	0.0000000
Selenium	196.026	0.0459461	-0.0309083	0.2008460	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.1755980	0.0000000
Sodium	330.237	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.800	0.0000000	-0.0388094	0.0000000	-0.059736
Tin	189.933	0.0000000	1.5508000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.191	0.0000000	0.0000000	0.0000000	0.0340098

Comments:

METALS

-11A-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 Date: 1/29/02

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	188.979	0.0000000	0.0000000	-0.1870080	0.0000000
Barium	233.527	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.107	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.773	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0591243	0.0000000
Calcium	315.887	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	-0.0611971	0.0000000
Iron	238.863	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0810553	0.0000000	0.0188515	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	-0.0862938	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	404.721	0.0000000	0.0000000	-135.93299	0.0000000
Selenium	196.026	-0.0142350	0.0000000	0.0000000	0.0321523
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.237	0.0000000	1.2022200	-3.8306799	0.0000000
Thallium	190.800	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.933	0.0000000	0.0000000	0.0000000	3.8366499
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.191	0.0000000	0.0000000	0.0000000	0.0271025

Comments:

METALS

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ICP LINEAR RANGES (QUARTERLY)

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP Date: 01/22/02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	0.20	4000.0	P

Comments:

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

ICP ID Number: Optima ICP 2 Date: 12/12/01

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Arsenic	0.20	5000.0	P
Barium	0.20	20000.0	P
Cadmium	0.20	5000.0	P
Chromium	0.20	10000.0	P
Lead	0.20	100000.0	P
Manganese	0.20	10000.0	P
Selenium	0.20	5000.0	P
Silver	0.20	4000.0	P
Zinc	0.20	5000.0	P

Comments:

METALS
-13-
PREPARATION LOG

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Method: P

Sample No.	Preparation Date	Weight (grams)	Volume (mL)
B9-S-4-0/2	01/30/02	1.05	100
BA-S-2-2/6	01/30/02	1.02	100
GBS-METALLIC	01/30/02	1.02	100
GBS-S-4-0/2	01/30/02	1.03	100
GBS-S-4-2/6	01/30/02	1.02	100
HWSA-S-2-2/4	01/30/02	1.01	100
HWSB-S-2-0/2	01/30/02	1.03	100
HWSC-S-1-2/4	01/30/02	1.05	100
HWSC-S-4-2/4	01/30/02	1.01	100
HWSC-S-6-0/2	01/30/02	1.03	100
HWSC-S-7-2/4	01/30/02	1.03	100
HWSD-S-B4-0/2	01/30/02	1.01	100
LCSS	01/30/02	1.01	100
OSEDS-S-A14-0/	01/30/02	1.04	100
OSEDS-S-A2-0/2	01/30/02	1.02	100
OSEDS-S-B4-0/2	01/30/02	1.02	100
OSEDS-S-B4-2/4	01/30/02	1.00	100
OSEDS-S-C1-0/2	01/30/02	1.01	100
OSEDS-S-C2-0/2	01/30/02	1.00	100
OSEDS-S-C3-2/4	01/30/02	1.04	100
OS-S-4-10/14	01/30/02	1.03	100
OS-S-4-10/14D	01/30/02	1.00	100
OS-S-4-10/14S	01/30/02	1.02	100
PBS	01/30/02	1.00	100

METALS
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PREPARATION LOG

ontract: R2210459

ab Code: Case No.: SAS No.: SDG NO.: BA-S

ethod: P

Sample No.	Preparation Date	Weight (grams)	Volume (mL)
LCSS	02/04/02	1.02	100
OS-S-01-0/2	02/04/02	1.04	100
OS-S-1-10/14	02/04/02	1.00	100
OS-S-1-2/6	02/04/02	1.04	100
OS-S-1-6/10	02/04/02	1.00	100
OS-S-4-0/2	02/04/02	1.00	100
OS-S-4-2/6	02/04/02	1.00	100
OS-S-4-6/10	02/04/02	1.04	100
PBS	02/04/02	1.00	100
RPS-S-A2-0/2	02/04/02	1.03	100
RPS-S-C2-0/2	02/04/02	1.05	100
RPS-S-C2-0/2-F	02/04/02	1.02	100
SAP-S-1-0/2	02/04/02	1.02	100
SAP-S-4-0/2	02/04/02	1.00	100
SA-S-B3-2/4	02/04/02	1.00	100
SA-S-B3-2/4-FD	02/04/02	1.02	100
SA-S-D1-0/2	02/04/02	1.00	100
SI-S-2-0/2	02/04/02	1.05	100
SI-S-2-2/6	02/04/02	1.02	100
SI-S-2-2/6-FD	02/04/02	1.01	100
SI-S-5-0/2	02/04/02	1.02	100
SMP-S-3-0/2	02/04/02	1.04	100
SMP-S-3-0/2D	02/04/02	1.01	100
SMP-S-3-0/2S	02/04/02	1.02	100

METALS
-13-
PREPARATION LOG

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Method: P

Sample No.	Preparation Date	Weight (grams)	Volume (mL)
LCSS	02/04/02	1.01	100
PBS	02/04/02	1.00	100
SMP-S-1-0/2	02/04/02	1.00	100
SMP-S-6-0/2	02/04/02	1.02	100
SR-S-2-0/2	02/04/02	1.00	100
SR-S-3-2/6	02/04/02	1.04	100
SR-S-3-2/6-FD	02/04/02	1.00	100
SWD-S-1-0/2	02/04/02	1.01	100
SWD-S-7-0/2	02/04/02	1.04	100

METALS
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PREPARATION LOG

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Method: P

Sample No.	Preparation Date	Weight (grams)	Volume (mL)
LCSS	02/08/02	1.05	100
PBS	02/08/02	1.00	100
SMP-S-1-0/2	02/08/02	1.02	100
SMP-S-6-0/2	02/08/02	1.03	100
SR-S-2-0/2	02/08/02	1.02	100
SR-S-3-2/6	02/08/02	1.00	100
SR-S-3-2/6-FD	02/08/02	1.00	100
SWD-S-1-0/2	02/08/02	1.03	100
SWD-S-7-0/2	02/08/02	1.02	100

METALS
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PREPARATION LOG

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Method: CV

Sample No.	Preparation Date	Weight (grams)	Volume (mL)
B9-S-4-0/2	02/05/02	0.61	100
BA-S-2-2/6	02/05/02	0.62	100
GBS-METALLIC	02/05/02	0.74	100
GBS-S-4-0/2	02/05/02	0.68	100
GBS-S-4-2/6	02/05/02	0.67	100
HWSC-S-1-2/4	02/05/02	0.63	100
HWSC-S-4-2/4	02/05/02	0.62	100
LCSS	02/05/02	0.62	100
PBS	02/05/02	0.60	100

METALS
-13-
PREPARATION LOG

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Method: CV

Sample No.	Preparation Date	Weight (grams)	Volume (mL)
HWSA-S-2-2/4	02/05/02	0.62	100
HWSB-S-2-0/2	02/05/02	0.62	100
HWSC-S-6-0/2	02/05/02	0.60	100
HWSC-S-7-2/4	02/05/02	0.65	100
HWSD-S-B4-0/2	02/05/02	0.64	100
LCSS	02/05/02	0.62	100
OSEDS-S-A14-0/	02/05/02	0.61	100
OSEDS-S-A2-0/2	02/05/02	0.63	100
OSEDS-S-B4-0/2	02/05/02	0.63	100
OSEDS-S-B4-2/4	02/05/02	0.61	100
OSEDS-S-C1-0/2	02/05/02	0.61	100
OSEDS-S-C2-0/2	02/05/02	0.60	100
OSEDS-S-C3-2/4	02/05/02	0.61	100
OS-S-01-0/2	02/05/02	0.60	100
OS-S-4-0/2	02/05/02	0.61	100
OS-S-4-10/14	02/05/02	0.65	100
OS-S-4-10/14D	02/05/02	0.64	100
OS-S-4-10/14S	02/05/02	0.65	100
OS-S-4-2/6	02/05/02	0.63	100
OS-S-4-6/10	02/05/02	0.61	100
PBS	02/05/02	0.60	100
RPS-S-A2-0/2	02/05/02	0.60	100
RPS-S-C2-0/2	02/05/02	0.60	100
RPS-S-C2-0/2-F	02/05/02	0.61	100

METALS
-13-
PREPARATION LOG

Contract: R2210459

Lab Code: Case No.: SAS No.: SDG NO.: BA-S

Method: CV

Sample No.	Preparation Date	Weight (grams)	Volume (mL)
LCSS	02/07/02	0.62	100
OS-S-1-10/14	02/07/02	0.61	100
OS-S-1-2/6	02/07/02	0.61	100
OS-S-1-6/10	02/07/02	0.66	100
PBS	02/07/02	0.60	100
SAP-S-1-0/2	02/07/02	0.64	100
SAP-S-4-0/2	02/07/02	0.64	100
SA-S-B3-2/4	02/07/02	0.62	100
SA-S-B3-2/4-FD	02/07/02	0.63	100
SA-S-D1-0/2	02/07/02	0.61	100
SI-S-2-0/2	02/07/02	0.67	100
SI-S-2-2/6	02/07/02	0.62	100
SI-S-2-2/6-FD	02/07/02	0.63	100
SI-S-5-0/2	02/07/02	0.60	100
SMP-S-1-0/2	02/07/02	0.63	100
SMP-S-3-0/2	02/07/02	0.61	100
SMP-S-3-0/2D	02/07/02	0.61	100
SMP-S-3-0/2S	02/07/02	0.61	100
SMP-S-6-0/2	02/07/02	0.60	100
SR-S-2-0/2	02/07/02	0.64	100
SR-S-3-2/6	02/07/02	0.62	100
SR-S-3-2/6-FD	02/07/02	0.62	100
SWD-S-1-0/2	02/07/02	0.67	100
SWD-S-7-0/2	02/07/02	0.61	100

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/6/02 End Date: 2/6/02

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
IS Init	1.00	15:44																										
Calib Blank 1	1.00	15:47				X	X		X		X				X		X				X					X		
Calib Std 1	1.00	15:52				X	X		X		X				X		X				X					X		
HIGH CHECK	1.00	15:57				X	X		X		X				X		X				X					X		
ICV1	1.00	16:03				X	X		X		X				X		X				X					X		
ICB1	1.00	16:08				X	X		X		X				X		X				X					X		
CRDL1	1.00	16:13				X	X		X		X				X		X				X					X		
ICS-A1	1.00	16:19				X	X		X		X				X		X				X					X		
ICS-AB1	1.00	16:25				X	X		X		X				X		X				X					X		
CCV1	1.00	16:30				X	X		X		X				X		X				X					X		
1	1.00	16:35				X	X		X		X				X		X				X					X		
ZZZZZZ	1.00	16:40																										
ZZZZZZ	1.00	16:45																										
ZZZZZZ	1.00	16:50																										
ZZZZZZ	5.00	16:55																										
ZZZZZZ	2.00	17:01																										
ZZZZZZ	2.00	17:06																										
ZZZZZZ	2.00	17:12																										
ZZZZZZ	2.00	17:17																										
ZZZZZZ	1.00	17:21																										
ZZZZZZ	1.00	17:25																										
CCV2	1.00	17:31				X	X		X		X				X		X				X					X		
CCB2	1.00	17:36				X	X		X		X				X		X				X					X		
ZZZZZZ	1.00	17:40																										
ZZZZZZ	1.00	17:44																										
ZZZZZZ	5.00	17:49																										
ZZZZZZ	1.00	17:55																										
ZZZZZZ	2.00	18:01																										
ZZZZZZ	1.00	18:05																										
ZZZZZZ	1.00	18:10																										
ZZZ	1.00	18:15																										
ZZZZZZ	2.00	18:19																										

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 15

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: Optima ICP 2 | Method: P

Start Date: 2/6/02 | End Date: 2/6/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	18:24																												
CCV3	1.00	18:30				X	X		X		X				X		X				X					X				
CCB3	1.00	18:35				X	X		X		X				X		X				X					X				
ZZZZZZ	2.00	18:40																												
ZZZZZZ	1.00	18:44																												
ZZZZZZ	1.00	18:50																												
ZZZZZZ	2.00	18:56																												
ZZZZZZ	10.00	19:01																												
ZZZZZZ	2.00	19:07																												
ZZZZZZ	5.00	19:12																												
ZZZ	1.00	19:17																												
ZZZZZZ	1.00	19:23																												
ZZZZZZ	1.00	19:29																												
CCV4	1.00	19:35				X	X		X		X				X		X				X					X				
CCB4	1.00	19:40				X	X		X		X				X		X				X					X				
PBS	1.00	19:45				X	X		X		X				X		X				X					X				
LCSS	1.00	19:50				X	X		X		X				X		X				X					X				
SMP-S-1-0/2	1.00	19:56				X	X		X		X				X		X				X					X				
SMP-S-6-0/2	1.00	20:02				X	X		X		X				X		X				X					X				
SR-S-2-0/2	1.00	20:07				X	X		X		X				X		X				X					X				
SR-S-3-2/6	1.00	20:13				X	X		X		X				X		X				X					X				
SR-S-3-2/6-FD	1.00	20:19				X	X		X		X				X		X				X					X				
SWD-S-1-0/2	1.00	20:24				X	X		X		X				X		X				X									
SWD-S-7-0/2	1.00	20:30				X	X		X		X				X		X				X									
SWD-S-7-0/2L	5.00	20:35				X	X		X		X				X		X				X									
CCV5	1.00	20:40				X	X		X		X				X		X				X					X				
CCB5	1.00	20:45				X	X		X		X				X		X				X					X				
ZZZZZZ	1.00	20:50																												
ZZZZZZ	1.00	20:56																												
ZZZZZZ	1.00	21:01																												
ZZZ	1.00	21:06																												
ZZZZZZ	5.00	21:11																												

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: Optima ICP 2 | Method: P

Start Date: 2/6/02 | End Date: 2/6/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	21:16																												
ZZZZZZ	1.00	21:22																												
CRDL3	1.00	21:27				X	X		X		X				X		X				X					X				
ICS-A3	1.00	21:33				X	X		X		X				X		X				X					X				
ICS-AB3	1.00	21:39				X	X		X		X				X		X				X					X				
CCV6	1.00	21:44				X	X		X		X				X		X				X					X				
CCB6	1.00	21:49				X	X		X		X				X		X				X					X				

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form XIV

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/8/02 End Date: 2/8/02

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
IS Init	1.00	12:48																								
Calib Blank 1	1.00	12:50																							X	
Calib Std 1	1.00	12:55																							X	
HIGH CHECK	1.00	13:00																							X	
ICV3	1.00	13:05																							X	
ICB3	1.00	13:10																							X	
CRDL1	1.00	13:15																							X	
ICSA1	1.00	13:20																							X	
ICS-AB1	1.00	13:26																							X	
CCV1	1.00	13:31																							X	
1	1.00	13:36																							X	
ZZZZZZ	1.00	13:41																								
ZZZZZZ	1.00	13:46																								
ZZZZZZ	1.00	13:50																								
ZZZZZZ	1.00	13:55																								
ZZZZZZ	1.00	14:00																								
ZZZZZZ	1.00	14:05																								
ZZZZZZ	5.00	14:10																								
ZZZZZZ	1.00	14:15																								
ZZZZZZ	1.00	14:20																								
ZZZZZZ	1.00	14:25																								
CCV2	1.00	14:30																							X	
CCB2	1.00	14:35																							X	
ZZZZZZ	1.00	14:40																								
ZZZZZZ	1.00	14:45																								
ZZZZZZ	1.00	14:50																								
SWD-S-1-0/2	10.00	14:55																							X	
SWD-S-7-0/2	10.00	15:00																							X	
SWD-S-7-0/2L	50.00	15:05																							X	
ZZZZZZ	1.00	15:10																								
ZZZ	1.00	15:15																								
ZZZZZZ	1.00	15:20																								

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/8/02 End Date: 2/8/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	15:25																												
CCV3	1.00	15:30																									X			
CCB3	1.00	15:34																									X			
ZZZZZZ	1.00	15:39																												
ZZZZZZ	5.00	15:44																												
CRDL2	1.00	15:49																									X			
ICSA2	1.00	15:54																									X			
ICS-AB2	1.00	16:00																									X			
CCV4	1.00	16:05																									X			
CCB4	1.00	16:10																									X			

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: Optima ICP | Method: P

Start Date: 2/10/02 | End Date: 2/10/02

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
IS Init	1.00	13:45																										
Calib Blank 1	1.00	13:48																			X					
Calib Std 1	1.00	13:52																			X					
HIGH CHECK	1.00	13:57																			X					
ICV1	1.00	14:02																			X					
ICB1	1.00	14:06																			X					
CRDL1	1.00	14:11																			X					
ICS-A1	1.00	14:16																			X					
ICS-AB1	1.00	14:21																			X					
CCV1	1.00	14:26																			X					
)1	1.00	14:30																			X					
SS	1.00	14:35																			X					
LCSS	1.00	14:39																			X					
SMP-S-1-0/2	1.00	14:44																			X					
SMP-S-6-0/2	1.00	14:48																			X					
SR-S-2-0/2	1.00	14:53																			X					
SR-S-3-2/6	1.00	14:58																			X					
SR-S-3-2/6-FD	1.00	15:02																			X					
SWD-S-1-0/2	1.00	15:07																			X					
SWD-S-7-0/2	1.00	15:11																			X					
SWD-S-7-0/2L	5.00	15:16																			X					
CCV2	1.00	15:20																			X					
CCB2	1.00	15:25																			X					
ZZZZZZ	1.00	15:29																								
ZZZZZZ	1.00	15:34																								
CRDL2	1.00	15:39																			X					
ICS-A2	1.00	15:44																			X					
ICS-AB2	1.00	15:49																			X					
CCV3	1.00	15:53																			X					
CCB3	1.00	15:58																			X					

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: Optima ICP 2 | Method: P

Start Date: 2/11/02 | End Date: 2/11/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
IS Init	1.00	15:23																												
Calib Blank 1	1.00	15:25				X	X		X		X				X		X				X	X				X	
Calib Std 1	1.00	15:30				X	X		X		X				X		X				X	X				X	
HIGH CHECK	1.00	15:36				X	X		X		X				X		X				X	X				X	
ICV2	1.00	15:41				X	X		X		X				X		X				X	X				X	
ICB2	1.00	15:46				X	X		X		X				X		X				X	X				X	
CRDL1	1.00	15:51				X	X		X		X				X		X				X	X				X	
ICS-A1	1.00	15:57				X	X		X		X				X		X				X	X				X	
ICS-AB1	1.00	16:03				X	X		X		X				X		X				X	X				X	
CCV1	1.00	16:09				X	X		X		X				X		X				X	X				X	
1	1.00	16:14				X	X		X		X				X		X				X	X				X	
ZZZZZZ	5.00	16:19																									
ZZZZZZ	5.00	16:24																									
ZZZZZZ	5.00	16:29																									
ZZZZZZ	5.00	16:34																									
ZZZZZZ	5.00	16:39																									
ZZZZZZ	5.00	16:44																									
ZZZZZZ	5.00	16:49																									
ZZZZZZ	1.00	16:54																									
ZZZZZZ	1.00	17:00																									
ZZZZZZ	1.00	17:06																									
CCV2	1.00	17:11				X	X		X		X				X		X				X	X				X	
CCB2	1.00	17:16				X	X		X		X				X		X				X	X				X	
ZZZZZZ	1.00	17:21																									
ZZZZZZ	1.00	17:27																									
ZZZZZZ	1.00	17:32																									
ZZZZZZ	1.00	17:38																									
ZZZZZZ	1.00	17:43																									
ZZZZZZ	5.00	17:48																									
ZZZZZZ	1.00	17:54																									
ZZZ	1.00	17:59																									
ZZZZZZ	1.00	18:05																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: Optima ICP 2 | Method: P

Start Date: 2/11/02 | End Date: 2/11/02

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	18:10																									
CCV3	1.00	18:16				X	X		X		X				X		X				X	X				X	
CCB3	1.00	18:21				X	X		X		X				X		X				X	X				X	
ZZZZZZ	5.00	18:26																									
ZZZZZZ	1.00	18:31																									
ZZZZZZ	1.00	18:36																									
ZZZZZZ	1.00	18:41																									
ZZZZZZ	1.00	18:46																									
ZZZZZZ	1.00	18:51																									
ZZZZZZ	5.00	18:57																									
ZZZ	1.00	19:02																									
ZZZZZZ	1.00	19:07																									
ZZZZZZ	1.00	19:12																									
CCV4	1.00	19:17				X	X		X		X				X		X				X	X				X	
CCB4	1.00	19:22				X	X		X		X				X		X				X	X				X	
ZZZZZZ	1.00	19:28																									
ZZZZZZ	1.00	19:33																									
ZZZZZZ	1.00	19:39																									
ZZZZZZ	1.00	19:45																									
ZZZZZZ	5.00	19:50																									
ZZZZZZ	1.00	19:55																									
ZZZZZZ	1.00	20:00																									
ZZZZZZ	5.00	20:05																									
CCV5	1.00	20:10				X	X		X		X				X		X				X	X				X	
CCB5	1.00	20:15				X	X		X		X				X		X				X	X				X	
ZZZZZZ	1.00	20:21																									
ZZZZZZ	1.00	20:27																									
ZZZZZZ	1.00	20:33																									
CCV6	1.00	20:38				X	X		X		X				X		X				X	X				X	
CCB6	1.00	20:43				X	X		X		X				X		X				X	X				X	
	1.00	20:48				X	X		X		X				X		X				X	X				X	
LCSS	1.00	20:54				X	X		X		X				X		X				X	X				X	

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METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/11/02 End Date: 2/11/02

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	X	SE	AG	NA	TL	V	ZN	CN
OS-S-4-0/2	2.00	20:59				X	X		X		X				X		X				X	X				X	
OS-S-4-2/6	2.00	21:04				X	X		X		X				X		X				X	X				X	
OS-S-4-6/10	2.00	21:10				X	X		X		X				X		X				X	X				X	
RPS-S-A2-0/2	5.00	21:15					X										X									X	
RPS-S-C2-0/2-FD	10.00	21:20				X	X				X				X		X									X	
RPS-S-C2-0/2	10.00	21:25				X	X				X				X		X									X	
OS-S-01-0/2	2.00	21:31				X	X		X		X				X		X				X	X				X	
OS-S-1-2/6	2.00	21:36				X	X		X		X				X		X				X	X				X	
CCV7	1.00	21:42				X	X		X		X				X		X				X	X				X	
CCB7	1.00	21:47				X	X		X		X				X		X				X	X				X	
1-1-6/10	2.00	21:52				X	X		X		X				X		X				X	X				X	
OS-S-1-10/14	2.00	21:58				X	X		X		X				X		X				X	X				X	
SA-S-B3-2/4	2.00	22:03				X	X		X		X				X		X				X	X				X	
SA-S-B3-2/4-FD	2.00	22:09				X	X		X		X				X		X				X	X				X	
SA-S-D1-0/2	2.00	22:14				X	X		X		X				X		X				X	X				X	
SAP-S-1-0/2	50.00	22:19																								X	
SAP-S-4-0/2	50.00	22:24																								X	
SI-S-2-0/2	10.00	22:29					X										X									X	
SI-S-2-2/6	10.00	22:34					X										X									X	
SI-S-2-2/6-FD	10.00	22:39					X										X									X	
CCV8	1.00	22:45				X	X		X		X				X		X				X	X				X	
CCB8	1.00	22:50				X	X		X		X				X		X				X	X				X	
SI-S-5-0/2	5.00	22:55					X								X		X									X	
SMP-S-3-0/2	2.00	23:01				X	X		X		X				X		X				X	X				X	
SMP-S-3-0/2D	2.00	23:06				X	X		X		X				X		X				X	X				X	
SMP-S-3-0/2S	2.00	23:12				X	X		X		X				X		X				X	X				X	
SMP-S-3-0/2A	2.00	23:18				X	X		X		X				X		X				X	X				X	
SMP-S-3-0/2L	10.00	23:23				X	X		X		X				X		X				X	X				X	
CRDL4	1.00	23:28				X	X		X		X				X		X				X	X				X	
ICS-A4	1.00	23:34				X	X		X		X				X		X				X	X				X	
-AB4	1.00	23:40				X	X		X		X				X		X				X	X				X	
CCV9	1.00	23:45				X	X		X		X				X		X				X	X				X	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form IV

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: Optima ICP 2 | Method: P

Start Date: 2/11/02 | End Date: 2/11/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB9	1.00	23:50				X	X		X		X				X		X				X	X				X	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/12/02 End Date: 2/12/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
IS Init	1.00	10:17																												
Calib Blank 1	1.00	10:19				X	X		X		X				X		X				X	X								
Calib Std 1	1.00	10:25				X	X		X		X				X		X				X	X								
HIGH CHECK	1.00	10:30				X	X		X		X				X		X				X	X								
ICV3	1.00	10:35				X	X		X		X				X		X				X	X								
ICB3	1.00	10:40				X	X		X		X				X		X				X	X								
CRDL1	1.00	10:45				X	X		X		X				X		X				X	X								
ICS-A1	1.00	10:51				X	X		X		X				X		X				X	X								
ICS-AB1	1.00	10:58				X	X		X		X				X		X				X	X								
CCV1	1.00	11:03				X	X		X		X				X		X				X	X								
1	1.00	11:08				X	X		X		X				X		X				X	X								
RPS-S-A2-0/2	2.00	11:13				X			X		X				X						X	X								
RPS-S-C2-0/2-FD	2.00	11:19							X												X	X								
RPS-S-C2-0/2	2.00	11:24							X												X	X								
SAP-S-1-0/2	2.00	11:30				X	X		X		X				X		X				X	X								
SAP-S-4-0/2	2.00	11:35				X	X		X		X				X		X				X	X								
SI-S-2-0/2	2.00	11:40				X			X		X				X						X	X								
SI-S-2-2/6	2.00	11:46				X			X		X				X						X	X								
SI-S-2-2/6-FD	2.00	11:51				X			X		X				X						X	X								
SI-S-5-0/2	2.00	11:56				X			X		X										X	X								
SI-S-5-0/2L	10.00	12:02				X			X		X										X	X								
CCV2	1.00	12:07				X	X		X		X				X		X				X	X								
CCB2	1.00	12:12				X	X		X		X				X		X				X	X								
ZZZZZZ	1.00	12:17																												
ZZZZZZ	1.00	12:23																												
ZZZZZZ	500.00	12:28																												
ZZZZZZ	500.00	12:33																												
CRDL2	1.00	12:38				X	X		X		X				X		X				X	X								
ICS-A2	1.00	12:44				X	X		X		X				X		X				X	X								
ICS-AB2	1.00	12:50				X	X		X		X				X		X				X	X								
3	1.00	12:55				X	X		X		X				X		X				X	X								
CCB3	1.00	13:00				X	X		X		X				X		X				X	X								

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METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: Optima ICP 2 | Method: P

Start Date: 2/14/02 | End Date: 2/15/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
IS Init	1.00	16:00																												
Calib Blank 1	1.00	16:02				X	X		X		X				X		X				X	X				X	
Calib Std 1	1.00	16:07				X	X		X		X				X		X				X	X				X	
HIGH CHECK	1.00	16:13				X	X		X		X				X		X				X	X				X	
ICV4	1.00	16:18				X	X		X		X				X		X				X	X				X	
ICB4	1.00	16:23				X	X		X		X				X		X				X	X				X	
CRDL1	1.00	16:28				X	X		X		X				X		X				X	X				X	
ICS-A1	1.00	16:34				X	X		X		X				X		X				X	X				X	
ICS-AB1	1.00	16:39				X	X		X		X				X		X				X	X				X	
CCV1	1.00	16:45				X	X		X		X				X		X				X	X				X	
1	1.00	16:50				X	X		X		X				X		X				X	X				X	
ZZZZZZ	5.00	16:55																									
ZZZZZZ	5.00	17:00																									
ZZZZZZ	5.00	17:05																									
ZZZZZZ	5.00	17:10																									
ZZZZZZ	5.00	17:15																									
ZZZZZZ	5.00	17:20																									
ZZZZZZ	5.00	17:25																									
CCV2	1.00	17:30				X	X		X		X				X		X				X	X				X	
CCB2	1.00	17:35				X	X		X		X				X		X				X	X				X	
ZZZZZZ	1.00	17:40																									
ZZZZZZ	1.00	17:45																									
ZZZZZZ	1.00	17:50																									
ZZZZZZ	1.00	17:56																									
ZZZZZZ	1.00	18:01																									
ZZZZZZ	1.00	18:06																									
ZZZZZZ	5.00	18:11																									
ZZZZZZ	1.00	18:17																									
ZZZZZZ	1.00	18:22																									
ZZZZZZ	1.00	18:27																									
3	1.00	18:32				X	X		X		X				X		X				X	X				X	
CCB3	1.00	18:37				X	X		X		X				X		X				X	X				X	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/14/02 End Date: 2/15/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	X	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	18:43																										
ZZZZZZ	1.00	18:48																										
ZZZZZZ	1.00	18:53																										
ZZZZZZ	1.00	18:59																										
ZZZZZZ	1.00	19:04																										
ZZZZZZ	1.00	19:10																										
ZZZZZZ	1.00	19:15																										
ZZZZZZ	5.00	19:20																										
ZZZZZZ	1.00	19:25																										
ZZZZZZ	1.00	19:30																										
4	1.00	19:35				X	X		X		X				X		X					X	X					X	
CCB4	1.00	19:40				X	X		X		X				X		X					X	X					X	
ZZZZZZ	1.00	19:46																										
ZZZZZZ	1.00	19:51																										
ZZZZZZ	1.00	19:56																										
ZZZZZZ	1.00	20:02																										
ZZZZZZ	1.00	20:07																										
ZZZZZZ	1.00	20:12																										
ZZZZZZ	1.00	20:17																										
ZZZZZZ	1.00	20:23																										
CCV5	1.00	20:28				X	X		X		X				X		X					X	X					X	
CCB5	1.00	20:33				X	X		X		X				X		X					X	X					X	
ZZZZZZ	1.00	20:38																										
ZZZZZZ	1.00	20:43																										
ZZZZZZ	1.00	20:49																										
CCV6	1.00	20:55				X	X		X		X				X		X					X	X					X	
CCB6	1.00	21:00				X	X		X		X				X		X					X	X					X	
PBS	1.00	21:05				X	X		X		X				X		X					X	X					X	
LCSS	1.00	21:10				X	X		X		X				X		X					X	X					X	
BA-S-2-2/6	2.00	21:15				X	X		X		X				X		X					X	X					X	
S-4-0/2	2.00	21:21				X	X		X		X				X		X					X	X					X	
GBS-S-4-0/2	10.00	21:26																											X	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/14/02 End Date: 2/15/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
GBS-S-4-2/6	10.00	21:31																							X	
GBS-METALLIC	500.00	21:36																								
HWSC-S-1-2/4	500.00	21:41																							X	
HWSC-S-4-2/4	10.00	21:46																							X	
HWSC-S-6-0/2	500.00	21:51																							X	
CCV7	1.00	21:56				X	X		X		X				X		X				X	X			X	
CCB7	1.00	22:01				X	X		X		X				X		X				X	X			X	
HWSC-S-7-2/4	5.00	22:06				X	X		X		X				X		X				X	X			X	
HWSA-S-2-2/4	2.00	22:12				X	X		X		X				X		X				X	X			X	
HWSB-S-2-0/2	10.00	22:17																							X	
)-S-B4-0/2	2.00	22:22				X	X		X		X				X		X				X	X			X	
OSEDS-S-A2-0/2	5.00	22:27				X	X		X		X				X		X				X	X			X	
OSEDS-S-A14-0/2	50.00	22:32																							X	
OSEDS-S-B4-0/2	10.00	22:37				X	X		X		X				X		X				X	X			X	
OSEDS-S-B4-2/4	2.00	22:43				X	X		X		X				X		X				X	X			X	
OSEDS-S-C1-0/2	5.00	22:48				X	X		X		X				X		X				X	X			X	
OSEDS-S-C2-0/2	5.00	22:53				X	X		X		X				X		X				X	X			X	
CCV8	1.00	22:58				X	X		X		X				X		X				X	X			X	
CCB8	1.00	23:03				X	X		X		X				X		X				X	X			X	
OSEDS-S-C3-2/4	5.00	23:08				X	X		X		X				X		X				X	X			X	
OS-S-4-10/14	2.00	23:13				X	X		X		X				X		X				X	X			X	
OS-S-4-10/14A	2.00	23:19				X	X		X		X				X		X				X	X			X	
OS-S-4-10/14D	2.00	23:24				X	X		X		X				X		X				X	X			X	
OS-S-4-10/14S	2.00	23:29				X	X		X		X				X		X				X	X			X	
OS-S-4-10/14L	10.00	23:34				X	X		X		X				X		X				X	X			X	
ZZZZZZ	1.00	23:39																								
CRDL3	1.00	23:44				X	X		X		X				X		X				X	X			X	
ICS-A3	1.00	23:50				X	X		X		X				X		X				X	X			X	
ICS-AB3	1.00	23:56				X	X		X		X				X		X				X	X			X	
CCV9	1.00	00:01				X	X		X		X				X		X				X	X			X	
)9	1.00	00:06				X	X		X		X				X		X				X	X			X	
GBS-S-4-0/2	2.00	00:12				X	X		X		X				X		X				X	X				

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METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/14/02 End Date: 2/15/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
GBS-S-4-2/6	2.00	00:17				X	X		X		X				X		X				X	X					
GBS-METALLIC	10.00	00:22				X	X		X		X				X		X				X	X					
HWSC-S-1-2/4	10.00	00:27				X	X		X		X				X		X				X	X					
HWSC-S-4-2/4	2.00	00:33				X	X		X		X				X		X				X	X					
HWSC-S-6-0/2	10.00	00:38				X	X		X		X				X		X				X	X					
HWSB-S-2-0/2	2.00	00:43				X	X		X		X				X		X				X	X					
OSEDS-S-A14-0/2	2.00	00:49				X	X		X		X				X		X				X	X					
ZZZZZZ	1.00	00:54																									
ZZZZZZ	1.00	00:59																									
CCV1O	1.00	01:04				X	X		X		X				X		X				X	X					
1O	1.00	01:09				X	X		X		X				X		X				X	X					
CRDL4	1.00	01:14				X	X		X		X				X		X				X	X					
ICS-A4	1.00	01:20				X	X		X		X				X		X				X	X					
ICS-AB4	1.00	01:26				X	X		X		X				X		X				X	X					
CCV1I	1.00	01:31				X	X		X		X				X		X				X	X					
CCB1I	1.00	01:36				X	X		X		X				X		X				X	X					

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METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: Optima ICP 2 Method: P

Start Date: 2/19/02 End Date: 2/19/02

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	X	SE	AG	NA	TL	V	ZN	CN
IS Init	1.00	10:37																										
Calib Blank 1	1.00	10:40																								X		
Calib Std 1	1.00	10:43																								X		
HIGH CHECK	1.00	10:46																								X		
ICV5	1.00	10:50																								X		
ICB5	1.00	10:54																								X		
CRDL1	1.00	10:59																								X		
ICS-A1	1.00	11:03																								X		
ICS-AB1	1.00	11:07																								X		
CCV1	1.00	11:10																								X		
1	1.00	11:15																								X		
ZZZZZZ	1.00	11:20																										
ZZZZZZ	1.00	11:23																										
ZZZZZZ	1.00	11:28																										
ZZZZZZ	1.00	11:31																										
ZZZZZZ	1.00	11:35																										
ZZZZZZ	5.00	11:40																										
ZZZZZZ	1.00	11:44																										
ZZZZZZ	1.00	11:48																										
ZZZZZZ	1.00	11:53																										
ZZZZZZ	1.00	11:58																										
CCV2	1.00	12:01																								X		
CCB2	1.00	12:06																								X		
ZZZZZZ	1.00	12:11																										
ZZZZZZ	1.00	12:15																										
ZZZZZZ	1.00	12:18																										
ZZZZZZ	5.00	12:23																										
ZZZZZZ	1.00	12:28																										
ZZZZZZ	1.00	12:33																										
ZZZZZZ	1.00	12:38																										
ZZZ	1.00	12:43																										
ZZZZZZ	1.00	12:48																										

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METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: Optima ICP 2 | Method: P

Start Date: 2/19/02 | End Date: 2/19/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	12:53																												
CCV3	1.00	12:56																										X		
CCB3	1.00	13:01																										X		
ZZZZZZ	1.00	13:06																												
ZZZZZZ	1.00	13:11																												
ZZZZZZ	1.00	13:15																												
ZZZZZZ	5.00	13:19																												
ZZZZZZ	1.00	13:25																												
ZZZZZZ	1.00	13:29																												
ZZZZZZ	1.00	13:34																												
ZZZ	1.00	13:39																												
ZZZZZZ	1.00	13:44																												
GBS-METALLIC	5000.0	13:49																										X		
CCV4	1.00	13:52																										X		
CCB4	1.00	13:57																										X		
GBS-METALLICL	25000.	14:02																										X		
CRDL2	1.00	14:06																										X		
ICS-A2	1.00	14:10																										X		
ICS-AB2	1.00	14:14																										X		
CCV5	1.00	14:18																										X		
CCB5	1.00	14:22																										X		

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: PE FAA/CVAA Method: CV

Start Date: 2/6/02 End Date: 2/6/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Calib Blank	1.00	09:42																X									
0.2ppb std	1.00	09:44																X									
0.5ppb std	1.00	09:46																X									
1ppb std	1.00	09:48																X									
2ppb std	1.00	09:50																X									
5ppb std	1.00	09:51																X									
10ppb std	1.00	09:53																X									
ICV1	1.00	09:55																X									
ICB1	1.00	09:57																X									
CRDL1	1.00	09:59																X									
1	1.00	10:01																X									
CCB1	1.00	10:02																X									
ZZZZZZ	1.00	10:04																									
ZZZZZZ	1.00	10:06																									
ZZZZZZ	1.00	10:08																									
ZZZZZZ	1.00	10:09																									
ZZZZZZ	1.00	10:11																									
PBS	1.00	10:13																X									
LCSS	1.00	10:15																X									
BA-S-2-2/6	1.00	10:17																X									
ZZZZZZ	1.00	10:19																									
ZZZZZZ	1.00	10:20																									
CCV2	1.00	10:22																X									
CCB2	1.00	10:24																X									
B9-S-4-0/2	1.00	10:26																X									
GBS-S-4-0/2	1.00	10:28																X									
GBS-S-4-2/6	1.00	10:29																X									
GBS-METALLIC	1.00	10:31																X									
HWSC-S-1-2/4	1.00	10:33																X									
HWSC-S-4-2/4	1.00	10:35																X									
	1.00	10:36																X									
LCSS	1.00	10:38																X									

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METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: PE FAA/CVAA | Method: CV

Start Date: 2/6/02 | End Date: 2/6/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
HWSC-S-6-0/2	1.00	10:40																X												
HWSC-S-7-2/4	1.00	10:42																X												
CCV3	1.00	10:44																X												
CCB3	1.00	10:46																X												
HWSA-S-2-2/4	1.00	10:47																X												
HWSB-S-2-0/2	1.00	10:49																X												
HWSD-S-B4-0/2	1.00	10:51																X												
OSEDS-S-A2-0/2	1.00	10:53																X												
OSEDS-S-A14-0/2	1.00	10:55																X												
OSEDS-S-B4-0/2	1.00	10:56																X												
)S-S-B4-2/4	1.00	10:58																X												
OSEDS-S-C1-0/2	1.00	11:00																X												
OSEDS-S-C2-0/2	1.00	11:02																X												
OSEDS-S-C3-2/4	1.00	11:04																X												
CCV4	1.00	11:05																X												
CCB4	1.00	11:07																X												
OS-S-4-0/2	1.00	11:09																X												
OS-S-4-2/6	1.00	11:11																X												
OS-S-4-6/10	1.00	11:13																X												
OS-S-4-10/14	1.00	11:14																X												
OS-S-4-10/14D	1.00	11:16																X												
OS-S-4-10/14S	1.00	11:18																X												
RPS-S-A2-0/2	1.00	11:20																X												
RPS-S-C2-0/2-FD	1.00	11:22																X												
RPS-S-C2-0/2	1.00	11:24																X												
OS-S-01-0/2	1.00	11:25																X												
CCV5	1.00	11:27																X												
CCB5	1.00	11:29																X												

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METALS

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code Case No.: SAS No.: SDG No.: BA-S

Instrument ID Number: PE FAA/CVAA Method: CV

Start Date: 2/8/02 End Date: 2/8/02

Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
Calib Blank	1.00	10:55																X												
0.2ppb std	1.00	10:57																X												
0.5ppb std	1.00	10:58																X												
1ppb std	1.00	11:00																X												
2ppb std	1.00	11:02																X												
5ppb std	1.00	11:04																X												
10ppb std	1.00	11:06																X												
ICV2	1.00	11:08																X												
ICB2	1.00	11:09																X												
[illegible]DL1	1.00	11:11																X												
[illegible]1	1.00	11:13																X												
CCB1	1.00	11:15																X												
PBS	1.00	11:17																X												
LCSS	1.00	11:18																X												
OS-S-1-2/6	1.00	11:20																X												
OS-S-1-6/10	1.00	11:22																X												
OS-S-1-10/14	1.00	11:24																X												
SA-S-B3-2/4	1.00	11:26																X												
SA-S-B3-2/4-FD	1.00	11:27																X												
SA-S-D1-0/2	1.00	11:29																X												
SAP-S-1-0/2	1.00	11:31																X												
SAP-S-4-0/2	1.00	11:33																X												
CCV2	1.00	11:35																X												
CCB2	1.00	11:37																X												
SI-S-2-0/2	1.00	11:38																X												
SI-S-2-2/6	1.00	11:40																X												
SI-S-2-2/6-FD	1.00	11:42																X												
SI-S-5-0/2	1.00	11:44																X												
SMP-S-1-0/2	1.00	11:45																X												
[illegible]P-S-3-0/2	1.00	11:47																X												
[illegible]-S-3-0/2D	1.00	11:49																X												
SMP-S-3-0/2S	1.00	11:51																X												

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ANALYSIS RUN LOG

Contract: R2210459

Lab Code | Case No.: | SAS No.: | SDG No.: BA-S

Instrument ID Number: PE FAA/CVAA | Method: CV

Start Date: 2/8/02 | End Date: 2/8/02

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SMP-S-6-0/2	1.00	11:53																X									
SR-S-2-0/2	1.00	11:55																X									
CCV3	1.00	11:56																X									
CCB3	1.00	11:58																X									
SR-S-3-2/6	1.00	12:00																X									
SR-S-3-2/6-FD	1.00	12:02																X									
SWD-S-1-0/2	1.00	12:04																X									
SWD-S-7-0/2	1.00	12:05																X									
ZZZZZZ	1.00	12:07																									
ZZZZZZ	1.00	12:09																									
ZZZ	1.00	12:11																									
ZZZZZZ	1.00	12:12																									
ZZZZZZ	1.00	12:14																									
ZZZZZZ	1.00	12:16																									
CCV4	1.00	12:18																X									
CCB4	1.00	12:20																X									

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Metals Cover Page

Instrument: Optima2

Analyst: S DeVito **Date:** 2/6/02

Data File: 2feb06a **Reviewed By:** SD 2/7/02

Entered By: SD 2/7/02 RTN **Manager Approval:** DCB 2/7/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems
74252	Ni Sn Zn	M2620143	6010B		
~~74253~~	~~Ag Mn Se Zn~~	~~M2620149~~	~~6010B~~		~~Repeating~~ do not report
7425~~47~~	As Se Tl (LL) Ba Be Cd Cr Ni Pb Sb Zn	M2530072	6010B	Ag	526855 Tl neg
7374	As Pb Se (LL) Ba Cd Cr ~~Pb Se~~ Mn Zn	M2530072	6010B		

Package Data:

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
~~10427 (W)~~	~~Pkg 5 / ASP~~	~~Ag Mn Se Zn~~	~~Ag~~	~~M2620149~~	~~YES / NO~~	~~MARRS to LIMS / Run Created Above~~	~~YES / NO~~
10459 (S)	Pkg 5 / ASP	As Ba Cd Cr Mn Pb Se Zn	Ag	M2530072	YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP	# 526815, 526816 Zn >LR			YES / NO	MARRS to LIMS / Run Created Above	YES / NO
~~10427 (S)~~	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

alibration Summary
e' ': Method 6010B Date: 02/06/02 3:43:01 PM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

ethod: Method 6010B IEC: 012902.iec MSF:
esults: 2feb06a Spectra Stored: Yes Method Stored: Yes
ample Info: 6010b User: User1 Date: 02/06/02 3:43:01 PM
ethod Description: Optima 3000XL #2

ean Data
D: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 02/06/02 3:44:35 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD
371.030	4070108.4	4257.42	0.10%

ean Data
D: Calib Blank 1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 02/06/02 3:46:11 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
371.030	4038183.5	5724.35	0.14%	0.992	mg/L
g 328.068	-1494.0	8.57	0.57%	0	mg/L
l 308.215	5736.4	4.17	0.07%	0	mg/L
s 188.979	-33.1	1.72	5.20%	0	mg/L
249.773	7636.7	104.09	1.36%	0	mg/L
a 233.527	53.2	9.31	17.50%	0	mg/L
e .107	-5140.8	85.13	1.66%	0	mg/L
.887	1408.5	83.20	5.91%	0	mg/L
d .502	-123.1	1.51	1.23%	0	mg/L
o 228.616	-235.6	3.04	1.29%	0	mg/L
r 267.716	38.7	21.48	55.54%	0	mg/L
u 324.754	2353.2	66.20	2.81%	0	mg/L
Fe 238.863	-145.2	0.90	0.62%	0	mg/L
K 404.721	-461.8	69.36	15.02%	0	mg/L
g 279.079	352.2	60.85	17.28%	0	mg/L
n 257.610	-262.5	8.56	3.26%	0	mg/L
Mo 202.030	-4.0	0.60	14.90%	0	mg/L
Na 330.237	943.4	59.85	6.34%	0	mg/L
Ni 231.604	-200.1	4.43	2.22%	0	mg/L
Pb 220.353	16.1	3.39	20.97%	0	mg/L
Sb 206.833	33.5	2.73	8.15%	0	mg/L
Se 196.026	-22.8	0.02	0.07%	0	mg/L
Sn 189.933	46.7	2.53	5.42%	0	mg/L
Ti 334.941	-519.1	4.35	0.84%	0	mg/L
Tl 190.800	-22.6	0.24	1.04%	0	mg/L
V 292.402	963.1	2.92	0.30%	0	mg/L
Zn 206.191	12.0	1.71	14.31%	0	mg/L

SdeVito
2/6/02

Mean Data
ID: Calib Std 1 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 02/06/02 3:51:27 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	4018102.3	6533.92	0.16%	0.987	mg/L
Ag 328.068	172231.1	1786.74	1.04%	1.0000	mg/L
Al 308.215	358998.2	3662.21	1.02%	20.0000	mg/L
As 188.979	3370.5	4.00	0.12%	2.0000	mg/L
B 249.773	365689.5	6091.68	1.67%	5.0000	mg/L
B 3.527	1862864.5	810.99	0.04%	20.0000	mg/L
B 3.107	3002939.2	2917.62	0.10%	0.5000	mg/L
Ca 315.887	6722647.7	15.11	0.00%	50.0000	mg/L
Cd 226.502	99196.3	790.80	0.80%	1.0000	mg/L
Co 228.616	124682.5	1416.80	1.14%	5.0000	mg/L
Cr 267.716	121434.3	1414.17	1.16%	1.0000	mg/L

u 324.754	575415.8	6580.76	1.14%	2.5000 mg/L
e 238.863	237936.8	2341.19	0.98%	10.0000 mg/L
/ 721	2877.4	20.30	0.71%	50.0000 mg/L
g .079	933626.7	488.63	0.05%	50.0000 mg/L
n .7.610	619679.1	212.64	0.03%	1.5000 mg/L
o 202.030	78123.0	541.36	0.69%	5.0000 mg/L
a 330.237	34194.6	157.47	0.46%	50.0000 mg/L
i 231.604	146756.8	1293.33	0.88%	4.0000 mg/L
b 220.353	5358.0	15.34	0.29%	1.0000 mg/L
b 206.833	22356.5	21.59	0.10%	10.0000 mg/L
e 196.026	2512.7	3.90	0.16%	1.0000 mg/L
n 189.933	88598.5	690.15	0.78%	10.0000 mg/L
i 334.941	2335541.6	1353.47	0.06%	5.0000 mg/L
l 190.800	3341.0	7.18	0.21%	2.0000 mg/L
292.402	1108946.9	1893.84	0.17%	5.0000 mg/L
n 206.191	132149.8	1014.27	0.77%	2.0000 mg/L

alibration Summary
ethod: Method 6010B Date: 02/06/02 3:52:47 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
g 328.068	1	Linear	-1494.0	173725.0	0.00000	1.000000
l 308.215	1	Linear	5736.4	17663.1	0.00000	1.000000
s 188.979	1	Linear	-33.1	1701.8	0.00000	1.000000
249.773	1	Linear	7636.7	71610.6	0.00000	1.000000
a 233.527	1	Linear	53.2	93140.6	0.00000	1.000000
e 313.107	1	Linear	-5140.8	6016160.0	0.00000	1.000000
a 315.887	1	Linear	1408.5	134424.8	0.00000	1.000000
d 226.502	1	Linear	-123.1	99319.3	0.00000	1.000000
o 228.616	1	Linear	-235.6	24983.6	0.00000	1.000000
r 267.716	1	Linear	38.7	121395.6	0.00000	1.000000
u 324.754	1	Linear	2353.2	229225.0	0.00000	1.000000
e 238.863	1	Linear	-145.2	23808.2	0.00000	1.000000
K 721	1	Linear	-461.8	66.8	0.00000	1.000000
g .079	1	Linear	352.2	18665.5	0.00000	1.000000
n 257.610	1	Linear	-262.5	413294.4	0.00000	1.000000
o 202.030	1	Linear	-4.0	15625.4	0.00000	1.000000
Na 330.237	1	Linear	943.4	665.0	0.00000	1.000000
Ni 231.604	1	Linear	-200.1	36739.2	0.00000	1.000000
Pb 220.353	1	Linear	16.1	5341.8	0.00000	1.000000
Sb 206.833	1	Linear	33.5	2232.3	0.00000	1.000000
Se 196.026	1	Linear	-22.8	2535.5	0.00000	1.000000
Sn 189.933	1	Linear	46.7	8855.2	0.00000	1.000000
Ti 334.941	1	Linear	-519.1	467212.1	0.00000	1.000000
Tl 190.800	1	Linear	-22.6	1681.8	0.00000	1.000000
V 292.402	1	Linear	963.1	221596.8	0.00000	1.000000
Zn 206.191	1	Linear	12.0	66068.9	0.00000	1.000000

Mean Data
ID: HIGH CHECK Seq. No.: 4 Sample No.: 10 A/S Pos: 2
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 3:56:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4030540.7	0.990	0.0080	mg/L				0.81%
Ag 328.068	171171.2	0.9939	0.00274	mg/L				0.28%
Al 308.215	357194.3	19.90	0.025	mg/L				0.12%
As 188.979	3343.0	1.984	0.0178	mg/L				0.90%
B 249.773	364995.2	4.990	0.0038	mg/L				0.08%
Ba 233.527	1862853.2	20.00	0.010	mg/L				0.05%
Be 313.107	3003559.8	0.5001	0.00035	mg/L				0.07%
Ca 315.887	6718561.2	49.97	0.022	mg/L				0.04%
Cd 226.502	98499.4	0.9930	0.00135	mg/L				0.14%
Co 228.616	123873.6	4.968	0.0131	mg/L				0.26%
C 7.716	120713.4	0.9941	0.00362	mg/L				0.36%
C 4.754	572840.4	2.489	0.0009	mg/L				0.04%
Fe 238.863	236382.6	9.935	0.0235	mg/L				0.24%
K 404.721	2876.4	49.99	0.535	mg/L				1.07%
Mg 279.079	932990.4	49.97	0.019	mg/L				0.04%
Mn 257.610	619498.7	1.500	0.0029	mg/L				0.19%

Mo 202.030	77612.9	4.967	0.0016	mg/L	0.03%
Na 330.237	33917.6	49.58	0.080	mg/L	0.16%
Ni 231.604	145804.5	3.974	0.0044	mg/L	0.11%
Pb 220.353	5328.5	0.9945	0.00719	mg/L	0.72%
Sb 206.833	22258.5	9.956	0.0735	mg/L	0.74%
Se 196.026	2501.9	0.9957	0.00916	mg/L	0.92%
Sn 189.933	87663.3	9.894	0.0086	mg/L	0.09%
Ti 334.941	2335553.7	5.000	0.0058	mg/L	0.12%
Tl 190.800	3324.8	1.990	0.0143	mg/L	0.72%
V 292.402	1107291.8	4.993	0.0039	mg/L	0.08%
Zn 206.191	131325.2	1.988	0.0003	mg/L	0.01%

Mean Data ----------

ID: ICV Seq. No.: 5 Sample No.: 1 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:02:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4137318.8	1.017	0.0087	mg/L				0.86%
Ag 328.068	85504.5	0.5008	0.00082	mg/L				0.16%
Al 308.215	179521.2	9.839	0.0161	mg/L				0.16%
As 188.979	1667.4	0.9992	0.00490	mg/L				0.49%
B 249.773	188888.6	2.531	0.0047	mg/L				0.19%
Ba 233.527	965070.5	10.36	0.011	mg/L				0.11%
Be 313.107	1498688.5	0.2500	0.00015	mg/L				0.06%
Ca 315.887	3412568.7	25.38	0.016	mg/L				0.06%
Cd 226.502	50925.0	0.5140	0.00000	mg/L				0.00%
Co 228.616	63431.4	2.548	0.0012	mg/L				0.05%
Cr 267.716	61341.9	0.5050	0.00038	mg/L				0.07%
Cu 324.754	291247.3	1.260	0.0002	mg/L				0.01%
Fe 238.863	121635.0	5.115	0.0079	mg/L				0.15%
K 404.721	1158.8	24.27	0.055	mg/L				0.23%
Mg 279.079	467745.6	25.04	0.020	mg/L				0.08%
Mn 257.610	313596.8	0.7594	0.00132	mg/L				0.17%
Mo 202.030	38487.9	2.463	0.0034	mg/L				0.14%
Na 330.237	16545.0	23.46	0.295	mg/L				1.26%
Ni 231.604	75914.7	2.072	0.0043	mg/L				0.21%
Pb 220.353	2727.0	0.5075	0.00527	mg/L				1.04%
Sb 206.833	10858.2	4.849	0.0259	mg/L				0.54%
Se 196.026	1239.7	0.4979	0.00053	mg/L				0.11%
Sn 189.933	46032.3	5.193	0.0066	mg/L				0.13%
Ti 334.941	1142853.5	2.447	0.0012	mg/L				0.05%
Tl 190.800	1704.8	1.027	0.0100	mg/L				0.97%
V 292.402	556575.2	2.507	0.0036	mg/L				0.14%
Zn 206.191	67318.7	1.019	0.0005	mg/L				0.05%

Mean Data ----------

ID: ICB Seq. No.: 6 Sample No.: 3 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:07:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4066027.2	0.999	0.0109	mg/L				1.09%
Ag 328.068	-1449.5	0.0003	0.00020	mg/L				76.60%
Al 308.215	5785.4	0.0028	0.00156	mg/L				56.10%
As 188.979	-33.5	-0.0003	0.00144	mg/L				534.93%
B 249.773	9935.9	0.0321	0.00200	mg/L				6.23%
Ba 233.527	716.9	0.0071	0.00235	mg/L				33.04%
Be 313.107	-3777.0	0.0002	0.00009	mg/L				40.76%
Ca 315.887	3619.5	0.0164	0.00509	mg/L				30.93%
Cd 226.502	-105.5	0.0002	0.00014	mg/L				78.19%
Co 228.616	-155.3	0.0032	0.00079	mg/L				24.41%
Cr 267.716	115.6	0.0006	0.00002	mg/L				3.39%
Cu 324.754	3385.4	0.0045	0.00084	mg/L				18.57%
Fe 238.863	-6.5	0.0058	0.00148	mg/L				25.39%
K 404.721	-441.3	0.3071	0.51296	mg/L				167.02%
Mg 279.079	532.4	0.0097	0.00504	mg/L				52.24%
Mn 257.610	-41.1	0.0005	0.00018	mg/L				33.78%
Mo 202.030	15.5	0.0013	0.00053	mg/L				42.42%
Na 330.237	867.2	-0.1145	0.07172	mg/L				62.64%
Ni 231.604	-98.3	0.0028	0.00055	mg/L				20.01%

Pb 220.353	20.9	0.0009	0.00018 mg/L		20.73%
Sb 206.833	90.2	0.0254	0.00615 mg/L		24.22%
QC ceeds upper limit for Sb 206.833			Action = Continue		
Se .026	-22.3	0.0002	0.00108 mg/L		585.20%
Sn 189.933	147.3	0.0114	0.00236 mg/L		20.73%
Ti 334.941	569.9	0.0023	0.00096 mg/L		41.20%
Tl 190.800	-23.2	-0.0003	0.00293 mg/L		865.88%
V 292.402	1167.3	0.0009	0.00075 mg/L		80.97%
Zn 206.191	161.3	0.0023	0.00035 mg/L		15.56%

Mean Data ----------

ID: CRI Seq. No.: 7 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:12:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4192124.2	1.030	0.0062	mg/L				0.61%
Ag 328.068	1775.4	0.0188	0.00027	mg/L				1.44%
Al 308.215	5547.8	-0.0107	0.00084	mg/L				7.90%
As 188.979	4.3	0.0220	0.00222	mg/L				10.12%
B 249.773	9015.0	0.0192	0.00067	mg/L				3.49%
Ba 233.527	226.9	0.0019	0.00012	mg/L				6.68%
Be 313.107	55080.3	0.0100	0.00004	mg/L				0.39%
Ca 315.887	3958.5	0.0190	0.00095	mg/L				5.00%
Cd 226.502	897.1	0.0103	0.00006	mg/L				0.54%
Co 228.616	2452.1	0.1076	0.00071	mg/L				0.66%
Cr 267.716	2531.7	0.0205	0.00009	mg/L				0.43%
Cu 324.754	13445.9	0.0484	0.00010	mg/L				0.21%
Fe 238.863	-11.7	0.0056	0.00041	mg/L				7.29%
K 404.721	-376.6	1.277	1.1491	mg/L				89.99%
Mg 279.079	245.8	-0.0057	0.00119	mg/L				20.81%
Mn 257.610	12623.0	0.0312	0.00007	mg/L				0.22%
Mo 202.030	-2.9	0.0001	0.00009	mg/L				117.25%
Na 330.237	889.0	-0.0817	0.00985	mg/L				12.05%
Ni 231.604	2982.7	0.0866	0.00070	mg/L				0.81%
Pb 220.353	50.3	0.0064	0.00008	mg/L				1.23%
Sb 206.833	315.5	0.1263	0.00243	mg/L				1.92%
Se 196.026	0.4	0.0091	0.00059	mg/L				6.44%
Sn 189.933	101.5	0.0062	0.00026	mg/L				4.21%
Ti 334.941	-278.5	0.0005	0.00012	mg/L				23.62%
Tl 190.800	14.0	0.0218	0.00042	mg/L				1.93%
V 292.402	23237.0	0.1005	0.00039	mg/L				0.39%
Zn 206.191	2798.1	0.0422	0.00025	mg/L				0.58%

Mean Data ----------

ID: ICSA Seq. No.: 8 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:17:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3763675.9	0.925	0.0024	mg/L				0.26%
Ag 328.068	-3617.1	-0.0122	0.00001	mg/L				0.06%
Al 308.215	9052346.3	512.2	0.77	mg/L				0.15%
As 188.979	-81.6	0.0061	0.00208	mg/L				33.87%
B 249.773	18781.4	0.1556	0.00148	mg/L				0.95%
Ba 233.527	-136.7	-0.0020	0.00010	mg/L				5.05%
Be 313.107	-5598.4	-0.0001	0.00002	mg/L				20.58%
Ca 315.887	63135578.1	469.7	0.82	mg/L				0.17%
Cd 226.502	1550.2	0.0059	0.00008	mg/L				1.37%
Co 228.616	-196.9	0.0015	0.00030	mg/L				19.56%
Cr 267.716	790.8	0.0062	0.00010	mg/L				1.61%
Cu 324.754	294.1	0.0024	0.00045	mg/L				19.06%
Fe 238.863	4412060.9	185.3	0.18	mg/L				0.10%
K 404.721	-1950.3	2.904	0.6190	mg/L				21.31%
Mg 279.079	9630597.6	515.9	1.02	mg/L				0.20%
Mn 257.610	-4264.1	0.0063	0.00008	mg/L				1.23%
Mo 202.030	83.1	0.0056	0.00200	mg/L				35.89%
Na 330.237	742.3	-0.1571	0.02890	mg/L				18.39%
Ni 231.604	-97.9	0.0028	0.00013	mg/L				4.74%
Pb 220.353	-199.9	-0.0024	0.00001	mg/L				0.40%
Sb 206.833	36.9	0.0015	0.00006	mg/L				3.82%

e 196.026	14.2	0.0053	0.00604	mg/L	113.75%
a 189.933	14002.9	-0.4034	0.00124	mg/L	0.31%
l 941	-3207.8	-0.0058	0.00002	mg/L	0.31%
l .800	-53.9	-0.0186	0.00171	mg/L	9.19%
292.402	9797.5	0.0399	0.00022	mg/L	0.55%
a 206.191	1355.4	0.0064	0.00030	mg/L	4.70%

ean Data ----------

D: ICSAB Seq. No.: 9 Sample No.: 7 A/S Pos: 8
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:23:50 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3681089.5	0.904	0.0020	mg/L				0.22%
g 328.068	192033.5	1.114	0.0133	mg/L				1.20%
l 308.215	9271550.8	524.6	1.69	mg/L				0.32%
s 188.979	-89.0	0.0024	0.00406	mg/L				170.22%
249.773	18853.2	0.1566	0.00028	mg/L				0.18%
a 233.527	50384.8	0.5404	0.00523	mg/L				0.97%
e 313.107	3059266.7	0.5094	0.00006	mg/L				0.01%
a 315.887	64703556.1	481.3	1.02	mg/L				0.21%
d 226.502	96523.8	0.9619	0.00963	mg/L				1.00%
o 228.616	11805.7	0.4820	0.00097	mg/L				0.20%
r 267.716	61429.0	0.5057	0.00666	mg/L				1.32%
u 324.754	126442.0	0.5529	0.00996	mg/L				1.80%
e 238.863	4487154.8	188.5	0.02	mg/L				0.01%
404.721	-2116.6	0.8438	0.39728	mg/L				47.08%
g 279.079	9871625.2	528.9	1.31	mg/L				0.25%
n 257.610	205003.2	0.5129	0.00701	mg/L				1.37%
o 202.030	72.2	0.0049	0.00022	mg/L				4.59%
a 330.237	987.8	0.2101	0.01794	mg/L				8.54%
i 231.604	34288.5	0.9387	0.00273	mg/L				0.29%
b 220.353	4994.3	0.9709	0.00309	mg/L				0.32%
b .833	27.6	-0.0026	0.00032	mg/L				12.31%
e .026	0.3	-0.0004	0.00116	mg/L				268.35%
n .89.933	14311.6	-0.4181	0.00651	mg/L				1.56%
i 334.941	-3196.7	-0.0057	0.00004	mg/L				0.61%
l 190.800	-56.9	-0.0204	0.00301	mg/L				14.75%
292.402	122212.3	0.5472	0.00715	mg/L				1.31%
n 206.191	64128.4	0.9561	0.00989	mg/L				1.03%

ean Data ----------

D: CCV Seq. No.: 10 Sample No.: 2 A/S Pos: 3
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:29:28 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4135606.1	1.016	0.0013	mg/L				0.13%
Ag 328.068	85703.6	0.5019	0.00022	mg/L				0.04%
Al 308.215	183989.7	10.09	0.104	mg/L				1.03%
As 188.979	1671.2	1.001	0.0048	mg/L				0.48%
B 249.773	187014.2	2.505	0.0176	mg/L				0.70%
Ba 233.527	963034.1	10.34	0.001	mg/L				0.01%
Be 313.107	1496766.8	0.2496	0.00008	mg/L				0.03%
Ca 315.887	3442575.9	25.60	0.114	mg/L				0.45%
Cd 226.502	50780.3	0.5125	0.00039	mg/L				0.08%
Co 228.616	63531.5	2.552	0.0001	mg/L				0.00%
Cr 267.716	61485.1	0.5062	0.00080	mg/L				0.16%
Cu 324.754	291242.1	1.260	0.0017	mg/L				0.14%
Fe 238.863	125954.7	5.296	0.0525	mg/L				0.99%
K 404.721	1211.9	25.06	0.330	mg/L				1.31%
Mg 279.079	473516.6	25.35	0.118	mg/L				0.47%
Mn 257.610	314243.5	0.7610	0.00057	mg/L				0.07%
Mo 202.030	38255.1	2.449	0.0033	mg/L				0.14%
Na 330.237	16567.9	23.49	0.179	mg/L				0.76%
N 1.604	75703.1	2.066	0.0026	mg/L				0.13%
Pb .0.353	2717.6	0.5057	0.00352	mg/L				0.70%
Sb 206.833	10850.4	4.846	0.0098	mg/L				0.20%
Se 196.026	1234.3	0.4958	0.00574	mg/L				1.16%
Sn 189.933	45797.1	5.167	0.0013	mg/L				0.03%
Ti 334.941	1145332.8	2.453	0.0040	mg/L				0.16%

l 190.800	1703.5	1.026	0.0034	mg/L	0.33%
292.402	557424.3	2.511	0.0019	mg/L	0.07%
n .191	67272.5	1.018	0.0005	mg/L	0.05%

lean Data

D: CCB Seq. No.: 11 Sample No.: 4 A/S Pos: 1
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:34:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4019020.7	0.987	0.0087	mg/L				0.88%
g 328.068	-1474.8	0.0001	0.00024	mg/L				219.55%
l 308.215	5920.9	0.0104	0.00659	mg/L				63.06%
s 188.979	-30.7	0.0014	0.00161	mg/L				116.96%
249.773	9544.6	0.0266	0.00348	mg/L				13.07%
a 233.527	693.0	0.0069	0.00227	mg/L				33.04%
e 313.107	-4002.6	0.0002	0.00008	mg/L				44.34%
a 315.887	6052.4	0.0345	0.01132	mg/L				32.76%
d 226.502	-104.0	0.0002	0.00011	mg/L				58.27%
o 228.616	-156.4	0.0032	0.00055	mg/L				17.45%
r 267.716	92.0	0.0004	0.00007	mg/L				15.86%
u 324.754	3307.3	0.0042	0.00115	mg/L				27.55%
e 238.863	1436.9	0.0665	0.00550	mg/L				8.27%
404.721	-288.0	2.603	0.3526	mg/L				13.55%
QC exceeds upper limit for K 404.721		Action = Continue						
g 279.079	2001.4	0.0884	0.00519	mg/L				5.87%
n 257.610	31.4	0.0007	0.00020	mg/L				28.57%
o 202.030	23.4	0.0018	0.00073	mg/L				41.34%
a 330.237	872.8	-0.1061	0.06151	mg/L				57.95%
i 231.604	-64.6	0.0037	0.00066	mg/L				17.84%
b 220.353	23.8	0.0014	0.00016	mg/L				11.21%
b 206.833	79.8	0.0207	0.00597	mg/L				28.75%
QC exceeds upper limit for Sb 206.833		Action = Continue						
e 196.026	-26.4	-0.0014	0.00050	mg/L				34.77%
r .933	148.4	0.0115	0.00192	mg/L				16.74%
i 4.941	366.3	0.0019	0.00083	mg/L				43.89%
l 190.800	-22.2	0.0003	0.00017	mg/L				61.45%
292.402	1243.8	0.0013	0.00054	mg/L				42.37%
n 206.191	69.1	0.0009	0.00035	mg/L				40.36%

lean Data

ID: PBW-M2620143 Seq. No.: 12 Sample No.: 1 A/S Pos: 9
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:39:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4094070.3	1.006	0.0116	mg/L				1.16%
Ag 328.068	-1481.1	0.0001	0.00006	mg/L				80.86%
Al 308.215	5720.3	-0.0009	0.00074	mg/L				81.33%
As 188.979	-33.9	-0.0005	0.00058	mg/L				113.73%
B 249.773	8742.2	0.0154	0.00249	mg/L				16.13%
Ba 233.527	210.2	0.0017	0.00027	mg/L				15.82%
Be 313.107	-4843.5	0.0000	0.00001	mg/L				19.90%
Ca 315.887	398.5	-0.0075	0.00083	mg/L				11.00%
Cd 226.502	-122.9	0.0000	0.00001	mg/L				691.34%
Co 228.616	-200.8	0.0014	0.00011	mg/L				8.23%
Cr 267.716	106.9	0.0006	0.00022	mg/L				39.57%
Cu 324.754	2788.8	0.0019	0.00023	mg/L				12.08%
Fe 238.863	917.7	0.0446	0.00417	mg/L				9.34%
K 404.721	-311.3	2.254	0.6033	mg/L				26.76%
Mg 279.079	1774.7	0.0762	0.00499	mg/L				6.55%
Mn 257.610	-162.4	0.0002	0.00002	mg/L				9.75%
Mo 202.030	1.0	0.0003	0.00010	mg/L				32.30%
Na 330.237	1037.4	0.1414	0.00852	mg/L				6.03%
Ni 231.604	-132.4	0.0018	0.00008	mg/L				4.19%
P 0.353	21.6	0.0010	0.00060	mg/L				58.84%
S 6.833	50.1	0.0074	0.00079	mg/L				10.60%
Se 196.026	-22.2	0.0002	0.00158	mg/L				716.77%
Sn 189.933	110.8	0.0072	0.00028	mg/L				3.90%
Ti 334.941	-348.8	0.0004	0.00007	mg/L				18.44%
Tl 190.800	-23.7	-0.0007	0.00106	mg/L				161.36%

V 292.402	896.8	-0.0003	0.00001	mg/L	1.99%
Zn 206.191	118.4	0.0016	0.00004	mg/L	2.50%

Mean Data

ID: LCSW-M2620143 Seq. No.: 13 Sample No.: 2 A/S Pos: 10
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:44:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4120509.2	1.012	0.0125	mg/L				1.23%
Ag 328.068	7498.1	0.0518	0.00084	mg/L				1.63%
Al 308.215	41555.6	2.028	0.0339	mg/L				1.67%
As 188.979	30.5	0.0374	0.00224	mg/L				6.01%
B 249.773	80776.4	1.021	0.0110	mg/L				1.07%
Ba 233.527	204360.8	2.194	0.0292	mg/L				1.33%
Be 313.107	305628.5	0.0517	0.00007	mg/L				0.13%
Ca 315.887	283073.6	2.095	0.0269	mg/L				1.29%
Cd 226.502	5216.7	0.0538	0.00056	mg/L				1.04%
Co 228.616	13455.4	0.5480	0.00778	mg/L				1.42%
Cr 267.716	25776.3	0.2120	0.00327	mg/L				1.54%
Cu 324.754	65438.6	0.2752	0.00457	mg/L				1.66%
Fe 238.863	26079.6	1.102	0.0149	mg/L				1.35%
K 404.721	1049.7	22.63	0.456	mg/L				2.01%
Mg 279.079	40008.6	2.125	0.0256	mg/L				1.21%
Mn 257.610	220114.4	0.5332	0.00629	mg/L				1.18%
Mo 202.030	7956.0	0.5094	0.00521	mg/L				1.02%
Na 330.237	13501.7	18.88	0.366	mg/L				1.94%
Ni 231.604	20009.2	0.5501	0.00678	mg/L				1.23%
Pb 220.353	2914.6	0.5426	0.00585	mg/L				1.08%
Sb 206.833	1182.2	0.5146	0.00262	mg/L				0.51%
Se 196.026	2361.4	0.9403	0.00829	mg/L				0.88%
Sn 189.933	42111.2	4.750	0.0634	mg/L				1.34%
Ti 334.941	242258.0	0.5196	0.00635	mg/L				1.22%
Tl 190.800	3550.4	2.125	0.0199	mg/L				0.94%
V 402	116451.7	0.5212	0.00682	mg/L				1.31%
Zn 206.191	36213.0	0.5479	0.00693	mg/L				1.26%

Mean Data

ID: 525904 Seq. No.: 14 Sample No.: 3 A/S Pos: 11
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:49:37 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4017766.4	0.987	0.0068	mg/L				0.69%
Ag 328.068	191615.0	1.112	0.0082	mg/L				0.73%
Al 308.215	169063.5	9.247	0.0597	mg/L				0.65%
As 188.979	-29.6	0.0020	0.00166	mg/L				81.11%
B 249.773	24460.3	0.2349	0.00294	mg/L				1.25%
Ba 233.527	1069.6	0.0109	0.00047	mg/L				4.26%
Be 313.107	-4998.9	0.0000	0.00000	mg/L				6.78%
Ca 315.887	544474.8	4.040	0.0020	mg/L				0.05%
Cd 226.502	-57.1	0.0007	0.00002	mg/L				3.04%
Co 228.616	-202.0	0.0013	0.00019	mg/L				14.28%
Cr 267.716	678.5	0.0053	0.00009	mg/L				1.72%
Cu 324.754	219732.4	0.9483	0.00654	mg/L				0.69%
Fe 238.863	9106.8	0.3886	0.00202	mg/L				0.52%
K 404.721	3038.7	52.41	0.403	mg/L				0.77%
Mg 279.079	17175.9	0.9013	0.00321	mg/L				0.36%
Mn 257.610	7022.2	0.0176	0.00017	mg/L				0.98%
Mo 202.030	34.6	0.0025	0.00001	mg/L				0.41%
Na 330.237	293768.9	440.3	2.38	mg/L				0.54%
Ni 231.604	1916.9	0.0576	0.00033	mg/L				0.57%
Pb 220.353	89.9	0.0138	0.00003	mg/L				0.23%
Sb 206.833	99.5	0.0296	0.00067	mg/L				2.26%
Se 196.026	-17.7	0.0020	0.00117	mg/L				58.59%
Sn 189.933	25948.4	2.925	0.0196	mg/L				0.67%
Ti 334.941	696.3	0.0026	0.00010	mg/L				3.94%
Tl 190.800	-22.5	0.0001	0.00131	mg/L				>999.9%
V 292.402	1282.9	0.0014	0.00004	mg/L				3.07%
Zn 206.191	26835.2	0.4060	0.00311	mg/L				0.77%

ean Data ----------

D: 525904L Seq. No.: 15 Sample No.: 4 A/S Pos: 12
a' Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 4:54:40 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
' 371.030	4134880.2	1.016	0.0003	mg/L				0.03%
g 328.068	36739.7	0.2201	0.00007	mg/L				0.03%
l 308.215	36644.8	1.750	0.0049	mg/L				0.28%
s 188.979	-32.6	0.0003	0.00130	mg/L				493.54%
249.773	11770.9	0.0577	0.00198	mg/L				3.43%
a 233.527	216.8	0.0018	0.00002	mg/L				0.91%
e 313.107	-5047.8	0.0000	0.00001	mg/L				38.99%
a 315.887	107275.9	0.7876	0.00026	mg/L				0.03%
d 226.502	-111.2	0.0001	0.00002	mg/L				13.05%
o 228.616	-212.7	0.0009	0.00016	mg/L				17.30%
r 267.716	181.1	0.0012	0.00025	mg/L				20.97%
u 324.754	44539.4	0.1840	0.00067	mg/L				0.36%
e 238.863	2171.9	0.0973	0.00169	mg/L				1.74%
404.721	253.9	10.72	0.186	mg/L				1.74%
g 279.079	4540.6	0.2244	0.00418	mg/L				1.86%
n 257.610	1173.6	0.0035	0.00001	mg/L				0.25%
o 202.030	-1.3	0.0002	0.00010	mg/L				60.51%
a 330.237	48222.2	71.09	0.163	mg/L				0.23%
i 231.604	253.2	0.0123	0.00024	mg/L				1.95%
b 220.353	35.1	0.0035	0.00049	mg/L				13.90%
b 206.833	48.0	0.0065	0.00268	mg/L				41.22%
e 196.026	-22.7	0.0000	0.00110	mg/L				>999.9%
n 189.933	5218.6	0.5841	0.00244	mg/L				0.42%
i 334.941	-230.2	0.0006	0.00005	mg/L				8.45%
l 190.800	-21.9	0.0004	0.00229	mg/L				514.81%
292.402	960.4	0.0000	0.00010	mg/L				845.85%
n 206.191	5423.2	0.0819	0.00010	mg/L				0.12%

ta ----------

D: 526351 1/2 Seq. No.: 16 Sample No.: 5 A/S Pos: 13
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/06/02 5:00:10 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
' 371.030	4051270.7	0.995	0.0096	mg/L				0.96%
g 328.068	-3840.9	-0.0135	0.00004	mg/L				0.27%
l 308.215	2892430.6	163.4	0.11	mg/L				0.07%
s 188.979	-14.8	0.0320	0.00002	mg/L				0.07%
249.773	31913.2	0.3390	0.00409	mg/L				1.21%
a 233.527	649393.7	6.972	0.0617	mg/L				0.89%
e 313.107	-26692.4	-0.0036	0.00005	mg/L				1.28%
a 315.887	104662257	778.6	6.95	mg/L				0.89%
d 226.502	1122.7	0.0058	0.00010	mg/L				1.74%
o 228.616	1287.5	0.0610	0.00045	mg/L				0.73%
r 267.716	14006.7	0.1151	0.00123	mg/L				1.07%
u 324.754	25455.0	0.1008	0.00017	mg/L				0.17%
e 238.863	2709759.8	113.8	0.21	mg/L				0.18%
404.721	2554.7	60.64	0.792	mg/L				1.31%
g 279.079	1368645.8	73.31	0.148	mg/L				0.20%
n 257.610	2916840.3	7.058	0.0176	mg/L				0.25%
o 202.030	68.8	0.0047	0.00012	mg/L				2.48%
a 330.237	47022.0	68.35	0.441	mg/L				0.65%
i 231.604	2431.8	0.0716	0.00095	mg/L				1.33%
b 220.353	366.2	0.0788	0.00085	mg/L				1.08%
b 206.833	20.8	-0.0057	0.00230	mg/L				40.53%
e 196.026	-18.4	0.0017	0.00182	mg/L				105.71%
n 189.933	8660.3	0.9727	0.01002	mg/L				1.03%
i 334.941	2946080.0	6.307	0.0080	mg/L				0.13%
l 190.800	-142.6	-0.0714	0.00226	mg/L				3.16%
402	83984.1	0.3746	0.00287	mg/L				0.77%
n 206.191	23329.1	0.3529	0.00404	mg/L				1.15%

Mean Data ----------

ID: 526351D 1/2 Seq. No.: 17 Sample No.: 6 A/S Pos: 14
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0

Data: Original Date: 02/06/02 5:05:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
.030	4171165.3	1.025	0.0063	mg/L				0.61%
g 328.068	-4424.1	-0.0169	0.00040	mg/L				2.39%
l 308.215	3610338.8	204.1	0.22	mg/L				0.11%
s 188.979	-2.5	0.0443	0.00030	mg/L				0.68%
249.773	37725.8	0.4202	0.00419	mg/L				1.00%
a 233.527	837382.6	8.990	0.0012	mg/L				0.01%
e 313.107	-30182.8	-0.0042	0.00007	mg/L				1.64%
a 315.887	Saturated							
d 226.502	1463.8	0.0076	0.00009	mg/L				1.22%
o 228.616	1669.9	0.0763	0.00045	mg/L				0.59%
r 267.716	17274.0	0.1420	0.00123	mg/L				0.87%
u 324.754	31156.0	0.1257	0.00124	mg/L				0.99%
e 238.863	3354104.6	140.9	0.09	mg/L				0.06%
404.721	3758.2	82.34	0.134	mg/L				0.16%
g 279.079	1734405.7	92.90	0.091	mg/L				0.10%
n 257.610	3681246.5	8.920	0.0214	mg/L				0.24%
o 202.030	95.0	0.0063	0.00023	mg/L				3.58%
a 330.237	60627.7	90.29	0.725	mg/L				0.80%
i 231.604	2991.5	0.0869	0.00035	mg/L				0.40%
b 220.353	469.9	0.1015	0.00006	mg/L				0.06%
b 206.833	18.3	-0.0068	0.00147	mg/L				21.49%
e 196.026	-2.3	0.0081	0.00017	mg/L				2.10%
n 189.933	8931.9	1.003	0.0055	mg/L				0.55%
i 334.941	3608618.7	7.725	0.0164	mg/L				0.21%
l 190.800	-174.2	-0.0901	0.00179	mg/L				1.99%
292.402	104825.0	0.4687	0.00375	mg/L				0.80%
n 206.191	29062.8	0.4397	0.00283	mg/L				0.64%

ean Data
ID: 526351S 1/2 Seq. No.: 18 Sample No.: 7 A/S Pos: 15
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/06/02 5:11:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3982966.5	0.979	0.0231	mg/L				2.36%
Ag 328.068	371.4	0.0107	0.00025	mg/L				2.29%
Al 308.215	3604575.1	203.7	7.80	mg/L				3.83%
As 188.979	37.7	0.0677	0.00215	mg/L				3.18%
B 249.773	76137.6	0.9566	0.02719	mg/L				2.84%
Ba 233.527	916796.9	9.843	0.3721	mg/L				3.78%
Be 313.107	120261.5	0.0208	0.00061	mg/L				2.93%
Ca 315.887	Saturated							
Cd 226.502	3712.1	0.0304	0.00101	mg/L				3.33%
Co 228.616	7626.1	0.3147	0.00969	mg/L				3.08%
Cr 267.716	29111.3	0.2395	0.00740	mg/L				3.09%
Cu 324.754	62360.2	0.2618	0.00726	mg/L				2.77%
Fe 238.863	3317137.8	139.3	5.28	mg/L				3.79%
K 404.721	4895.2	99.15	6.222	mg/L				6.28%
Mg 279.079	1762437.0	94.40	3.634	mg/L				3.85%
Mn 257.610	3854565.4	9.339	0.3504	mg/L				3.75%
Mo 202.030	3645.3	0.2336	0.00746	mg/L				3.20%
Na 330.237	72721.9	108.5	3.41	mg/L				3.15%
Ni 231.604	11486.3	0.3181	0.01034	mg/L				3.25%
Pb 220.353	1718.4	0.3352	0.01124	mg/L				3.35%
Sb 206.833	247.4	0.0958	0.00224	mg/L				2.34%
Se 196.026	1224.4	0.4919	0.01866	mg/L				3.79%
Sn 189.933	9271.4	1.042	0.0268	mg/L				2.57%
Ti 334.941	3684079.8	7.886	0.2990	mg/L				3.79%
Tl 190.800	1347.3	0.8146	0.02791	mg/L				3.43%
V 292.402	159649.1	0.7161	0.02111	mg/L				2.95%
Zn 206.191	44197.9	0.6688	0.01948	mg/L				2.91%

M Data
26351L 1/2 Seq. No.: 19 Sample No.: 8 A/S Pos: 16
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/06/02 5:16:33 PM

Element	Mean Corr.	Mean	Calib	Mean	Sample

lement	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
371.030	4130997.3	1.015	0.0011	mg/L				0.11%
g .068	-2199.8	-0.0041	0.00013	mg/L				3.08%
l 215	707919.6	39.75	0.001	mg/L				0.00%
s .979	-28.3	0.0028	0.00049	mg/L				17.46%
249.773	14354.0	0.0938	0.00167	mg/L				1.78%
a 233.527	170949.5	1.835	0.0006	mg/L				0.04%
e 313.107	-10573.3	-0.0009	0.00001	mg/L				1.53%
a 315.887	29721210.4	221.1	0.39	mg/L				0.18%
d 226.502	188.7	0.0031	0.00006	mg/L				1.78%
o 228.616	185.2	0.0168	0.00019	mg/L				1.15%
r 267.716	3639.2	0.0297	0.00011	mg/L				0.36%
u 324.754	7850.4	0.0240	0.00010	mg/L				0.43%
e 238.863	719399.3	30.22	0.014	mg/L				0.05%
404.721	19.2	11.31	0.580	mg/L				5.13%
g 279.079	350583.5	18.76	0.012	mg/L				0.07%
n 257.610	769288.3	1.862	0.0020	mg/L				0.11%
o 202.030	23.5	0.0018	0.00000	mg/L				0.11%
a 330.237	10530.0	14.42	0.066	mg/L				0.46%
i 231.604	510.8	0.0194	0.00006	mg/L				0.32%
b 220.353	115.3	0.0218	0.00023	mg/L				1.04%
b 206.833	29.6	-0.0017	0.00050	mg/L				28.63%
e 196.026	-17.1	0.0022	0.00029	mg/L				13.02%
n 189.933	4248.6	0.4745	0.00051	mg/L				0.11%
i 334.941	742066.2	1.589	0.0006	mg/L				0.04%
l 190.800	-48.5	-0.0154	0.00044	mg/L				2.87%
292.402	21949.4	0.0947	0.00010	mg/L				0.11%
n 206.191	6296.7	0.0951	0.00001	mg/L				0.01%

lean Data

:D: 526351 Seq. No.: 20 Sample No.: 9 A/S Pos: 17
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 5:21:21 PM

El t	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
. .030	4092354.9	1.005	0.0026	mg/L				0.26%
g 328.068	-5593.8	-0.0236	0.00011	mg/L				0.48%
l 308.215	5629205.7	318.4	3.02	mg/L				0.95%
s 188.979	24.7	0.0733	0.00924	mg/L				12.60%
249.773	52861.3	0.6315	0.00201	mg/L				0.32%
a 233.527	1220725.0	13.11	0.012	mg/L				0.09%
e 313.107	-47303.8	-0.0070	0.00002	mg/L				0.29%
a 315.887	Saturated							
d 226.502	2345.4	0.0124	0.00051	mg/L				4.14%
o 228.616	2584.0	0.1129	0.00024	mg/L				0.21%
r 267.716	26347.5	0.2167	0.00063	mg/L				0.29%
u 324.754	49167.8	0.2171	0.00123	mg/L				0.56%
Fe 238.863	5014939.7	210.6	1.69	mg/L				0.80%
K 404.721	6502.0	132.9	1.13	mg/L				0.85%
Mg 279.079	2590062.6	138.7	0.23	mg/L				0.17%
Mn 257.610	5442252.9	13.19	0.118	mg/L				0.90%
Mo 202.030	218.5	0.0142	0.00119	mg/L				8.32%
Na 330.237	99646.2	149.2	0.28	mg/L				0.19%
Ni 231.604	4682.3	0.1329	0.00123	mg/L				0.92%
Pb 220.353	649.8	0.1404	0.00316	mg/L				2.25%
Sb 206.833	8.1	-0.0114	0.00131	mg/L				11.50%
Se 196.026	4.9	0.0109	0.00013	mg/L				1.16%
Sn 189.933	9802.9	0.5694	0.00435	mg/L				0.76%
Ti 334.941	5690373.2	12.18	0.114	mg/L				0.93%
Tl 190.800	-263.9	-0.1435	0.01513	mg/L				10.54%
V 292.402	161423.5	0.7241	0.00034	mg/L				0.05%
Zn 206.191	42805.0	0.6477	0.00208	mg/L				0.32%

Mean Data

ID: 526351D Seq. No.: 21 Sample No.: 10 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 5:25:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4116852.1	1.011	0.0058	mg/L				0.57%
Ag 328.068	-6207.2	-0.0271	0.00007	mg/L				0.26%

Al 308.215	6681059.6	377.9	0.46	mg/L	0.12%
As 188.979	40.0	0.0891	0.00625	mg/L	7.02%
B 249.773	62424.2	0.7651	0.01077	mg/L	1.41%
Ba .527	1464999.7	15.73	0.143	mg/L	0.91%
Be .107	-54131.1	-0.0081	0.00007	mg/L	0.89%
Ca 315.887	Saturated				
Cd 226.502	2889.6	0.0158	0.00031	mg/L	1.96%
Co 228.616	3150.4	0.1355	0.00049	mg/L	0.36%
Cr 267.716	30927.0	0.2544	0.00118	mg/L	0.46%
Cu 324.754	58664.3	0.2607	0.00309	mg/L	1.19%
Fe 238.863	5868825.3	246.5	0.13	mg/L	0.05%
K 404.721	8437.4	166.8	1.89	mg/L	1.13%
Mg 279.079	3119849.0	167.1	1.60	mg/L	0.96%
Mn 257.610	6442533.8	15.61	0.013	mg/L	0.08%
Mo 202.030	193.4	0.0126	0.00042	mg/L	3.30%
Na 330.237	122545.0	183.8	1.93	mg/L	1.05%
Ni 231.604	5446.5	0.1537	0.00136	mg/L	0.88%
Pb 220.353	798.4	0.1724	0.00171	mg/L	0.99%
Sb 206.833	3.4	-0.0135	0.00626	mg/L	46.50%
Se 196.026	-1.3	0.0085	0.01821	mg/L	215.09%
Sn 189.933	9999.1	0.4827	0.00028	mg/L	0.06%
Ti 334.941	6705759.9	14.35	0.005	mg/L	0.03%
Tl 190.800	-292.5	-0.1605	0.00896	mg/L	5.58%
V 292.402	193115.4	0.8671	0.00987	mg/L	1.14%
Zn 206.191	50573.0	0.7653	0.00550	mg/L	0.72%

Mean Data ----------

ID: CCV Seq. No.: 22 Sample No.: 2 A/S Pos: 3

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 5:29:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4125485.0	1.014	0.0091	mg/L				0.90%
Ag 328.068	86111.0	0.5043	0.00380	mg/L				0.75%
Al .215	181488.4	9.950	0.0933	mg/L				0.94%
As .979	1690.5	1.013	0.0022	mg/L				0.22%
B 249.773	185548.2	2.484	0.0327	mg/L				1.32%
Ba 233.527	969072.6	10.40	0.005	mg/L				0.05%
Be 313.107	1509460.5	0.2518	0.00020	mg/L				0.08%
Ca 315.887	3423319.8	25.46	0.022	mg/L				0.08%
Cd 226.502	50833.1	0.5131	0.00411	mg/L				0.80%
Co 228.616	63944.5	2.569	0.0169	mg/L				0.66%
Cr 267.716	61468.0	0.5060	0.00376	mg/L				0.74%
Cu 324.754	292758.9	1.267	0.0115	mg/L				0.91%
Fe 238.863	123936.3	5.212	0.0266	mg/L				0.51%
K 404.721	1365.5	27.36	1.355	mg/L				4.95%
Mg 279.079	467306.3	25.02	0.170	mg/L				0.68%
Mn 257.610	319236.4	0.7731	0.00355	mg/L				0.46%
Mo 202.030	38355.4	2.455	0.0219	mg/L				0.89%
Na 330.237	16803.5	23.85	0.102	mg/L				0.43%
Ni 231.604	75912.9	2.072	0.0161	mg/L				0.78%
Pb 220.353	2729.1	0.5079	0.00245	mg/L				0.48%
Sb 206.833	10976.8	4.902	0.0353	mg/L				0.72%
Se 196.026	1244.4	0.4998	0.00076	mg/L				0.15%
Sn 189.933	46166.9	5.208	0.0388	mg/L				0.74%
Ti 334.941	1161660.0	2.487	0.0048	mg/L				0.19%
Tl 190.800	1712.9	1.032	0.0085	mg/L				0.82%
V 292.402	562091.1	2.532	0.0045	mg/L				0.18%
Zn 206.191	67393.9	1.020	0.0062	mg/L				0.61%

Mean Data ----------

ID: CCB Seq. No.: 23 Sample No.: 4 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 5:34:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y .030	4037670.2	0.992	0.0009	mg/L				0.09%
Ag 328.068	-1498.9	0.0000	0.00020	mg/L				717.28%
Al 308.215	5729.7	-0.0004	0.00392	mg/L				>999.9%
As 188.979	-31.3	0.0010	0.00273	mg/L				261.25%
B 249.773	8661.7	0.0143	0.00397	mg/L				27.72%

Ba 233.527	512.0	0.0049	0.00056 mg/L		11.43%
Be 313.107	-4990.2	0.0000	0.00001 mg/L		30.56%
Ca [illegible].887	4978.1	0.0266	0.00485 mg/L		18.27%
Cd [illegible].502	-119.7	0.0000	0.00004 mg/L		129.15%
Co [illegible].616	-200.0	0.0014	0.00002 mg/L		1.43%
Cr 267.716	82.0	0.0004	0.00004 mg/L		10.42%
Cu 324.754	3152.9	0.0035	0.00088 mg/L		25.31%
Fe 238.863	1449.4	0.0670	0.00484 mg/L		7.23%
K 404.721	-289.7	2.578	0.8463 mg/L		32.82%
*QC exceeds upper limit for K 404.721			Action = Continue		
Mg 279.079	727.8	0.0201	0.00572 mg/L		28.44%
Mn 257.610	2480.1	0.0066	0.00027 mg/L		4.01%
Mo 202.030	23.8	0.0018	0.00039 mg/L		21.99%
Na 330.237	897.0	-0.0697	0.05625 mg/L		80.70%
Ni 231.604	-127.7	0.0020	0.00010 mg/L		4.83%
Pb 220.353	19.3	0.0006	0.00021 mg/L		36.06%
Sb 206.833	77.2	0.0196	0.00523 mg/L		26.69%
*QC exceeds upper limit for Sb 206.833			Action = Continue		
Se 196.026	-16.6	0.0024	0.00126 mg/L		51.57%
Sn 189.933	118.1	0.0081	0.00103 mg/L		12.80%
Ti 334.941	277.9	0.0017	0.00041 mg/L		24.27%
Tl 190.800	-22.3	0.0002	0.00037 mg/L		223.14%
V 292.402	1017.4	0.0002	0.00017 mg/L		70.86%
Zn 206.191	89.4	0.0012	0.00014 mg/L		11.66%

Mean Data ----------

ID: 526351S Seq. No.: 24 Sample No.: 11 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 5:39:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4144635.7	1.018	0.0007	mg/L				0.07%
Ag 328.068	2587.0	0.0235	0.00015	mg/L				0.62%
Al [illegible]08.215	6342144.3	358.7	0.04	mg/L				0.01%
As [illegible].979	85.2	0.1131	0.00266	mg/L				2.35%
B [illegible].773	128651.9	1.690	0.0023	mg/L				0.14%
Ba 233.527	1551031.1	16.65	0.019	mg/L				0.12%
Be 313.107	217834.6	0.0371	0.00011	mg/L				0.31%
Ca 315.887	Saturated							
Cd 226.502	6682.5	0.0547	0.00048	mg/L				0.87%
Co 228.616	13431.4	0.5470	0.00073	mg/L				0.13%
Cr 267.716	50395.7	0.4148	0.00030	mg/L				0.07%
Cu 324.754	112618.0	0.4953	0.00118	mg/L				0.24%
Fe 238.863	5551884.2	233.2	0.03	mg/L				0.01%
K 404.721	10487.2	195.6	1.30	mg/L				0.66%
Mg 279.079	3056281.1	163.7	0.16	mg/L				0.10%
Mn 257.610	6480298.7	15.70	0.006	mg/L				0.04%
Mo 202.030	6427.8	0.4116	0.00044	mg/L				0.11%
Na 330.237	141002.5	211.5	0.38	mg/L				0.18%
Ni 231.604	19969.8	0.5490	0.00040	mg/L				0.07%
Pb 220.353	2936.6	0.5714	0.00228	mg/L				0.40%
Sb 206.833	428.1	0.1768	0.00171	mg/L				0.97%
Se 196.026	2174.4	0.8664	0.00342	mg/L				0.40%
Sn 189.933	9922.1	0.4871	0.00118	mg/L				0.24%
Ti 334.941	6435765.0	13.78	0.005	mg/L				0.04%
Tl 190.800	2306.5	1.385	0.0139	mg/L				1.01%
V 292.402	281607.0	1.266	0.0016	mg/L				0.12%
Zn 206.191	74215.5	1.123	0.0002	mg/L				0.02%

Mean Data ----------

ID: 526351A Seq. No.: 25 Sample No.: 12 A/S Pos: 20
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 5:43:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y [illegible].030	4000382.1	0.983	0.0070	mg/L				0.71%
Ag [illegible]8.068	1582.7	0.0177	0.00013	mg/L				0.72%
Al [illegible]08.215	6863130.0	388.2	0.35	mg/L				0.09%
As 188.979	98.8	0.1250	0.00107	mg/L				0.85%
B 249.773	130900.0	1.721	0.0084	mg/L				0.49%
Ba 233.527	1661476.9	17.84	0.119	mg/L				0.67%

Be 313.107	190652.9	0.0325	0.00016	mg/L	0.49%
Ca 315.887	Saturated				
C[illegible]6.502	6609.7	0.0528	0.00031	mg/L	0.58%
C[illegible]8.616	12845.0	0.5236	0.00348	mg/L	0.66%
Cr [illegible]67.716	51144.8	0.4210	0.00358	mg/L	0.85%
Cu 324.754	113149.0	0.4989	0.00220	mg/L	0.44%
Fe 238.863	6040598.7	253.7	0.58	mg/L	0.23%
K 404.721	11044.3	206.8	1.31	mg/L	0.63%
Mg 279.079	3263717.6	174.8	1.15	mg/L	0.66%
Mn 257.610	6799071.6	16.47	0.033	mg/L	0.20%
Mo 202.030	6114.1	0.3916	0.00273	mg/L	0.70%
Na 330.237	143689.8	215.6	1.50	mg/L	0.69%
Ni 231.604	19187.2	0.5277	0.00769	mg/L	1.46%
Pb 220.353	2815.5	0.5507	0.00804	mg/L	1.46%
Sb 206.833	939.7	0.4059	0.00944	mg/L	2.33%
Se 196.026	3484.7	1.383	0.0251	mg/L	1.81%
Sn 189.933	10265.4	0.4832	0.00480	mg/L	0.99%
Ti 334.941	6975344.3	14.93	0.007	mg/L	0.04%
Tl 190.800	2082.1	1.251	0.0037	mg/L	0.30%
V 292.402	289797.2	1.303	0.0089	mg/L	0.68%
Zn 206.191	76188.2	1.153	0.0068	mg/L	0.59%

Mean Data

ID: 526351L Seq. No.: 26 Sample No.: 13 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 5:48:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4084501.1	1.004	0.0051	mg/L				0.51%
Ag 328.068	-2792.9	-0.0075	0.00018	mg/L				2.43%
Al 308.215	1434104.0	80.87	0.063	mg/L				0.08%
As 188.979	-24.0	0.0164	0.00101	mg/L				6.19%
B 249.773	20982.6	0.1864	0.00217	mg/L				1.16%
B[illegible]33.527	337728.8	3.625	0.0017	mg/L				0.05%
I 3.107	-16049.9	-0.0018	0.00000	mg/L				0.07%
C[illegible]5.887	57116790.9	424.9	2.38	mg/L				0.56%
Cd 226.502	508.3	0.0064	0.00004	mg/L				0.61%
Co 228.616	559.8	0.0318	0.00033	mg/L				1.03%
Cr 267.716	7123.2	0.0584	0.00043	mg/L				0.73%
Cu 324.754	13562.8	0.0489	0.00015	mg/L				0.30%
Fe 238.863	1404974.6	59.02	0.063	mg/L				0.11%
K 404.721	840.4	27.52	0.283	mg/L				1.03%
Mg 279.079	694213.8	37.17	0.051	mg/L				0.14%
Mn 257.610	1510989.6	3.657	0.0085	mg/L				0.23%
Mo 202.030	37.0	0.0026	0.00023	mg/L				8.80%
Na 330.237	21638.5	30.61	0.036	mg/L				0.12%
Ni 231.604	1139.3	0.0365	0.00033	mg/L				0.92%
Pb 220.353	205.2	0.0420	0.00036	mg/L				0.85%
Sb 206.833	25.4	-0.0036	0.00155	mg/L				42.98%
Se 196.026	-15.6	0.0028	0.00649	mg/L				227.79%
Sn 189.933	6614.5	0.7417	0.00467	mg/L				0.63%
Ti 334.941	1484324.3	3.178	0.0034	mg/L				0.11%
Tl 190.800	*-81.0*	*-0.0347*	*0.00072*	*mg/L*				*2.07%*
V 292.402	43005.5	0.1897	0.00021	mg/L				0.11%
Zn 206.191	12225.9	0.1849	0.00069	mg/L				0.37%

Mean Data

ID: 526353 Seq. No.: 27 Sample No.: 14 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 5:54:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4060973.6	0.998	0.0070	mg/L				0.70%
Ag 328.068	-1564.8	-0.0004	0.00034	mg/L				83.79%
Al 308.215	5913.1	0.0100	0.00194	mg/L				19.39%
[illegible]8.979	9.4	0.0249	0.00107	mg/L				4.29%
[illegible].773	31439.9	0.3324	0.00133	mg/L				0.40%
Ba 233.527	4174.3	0.0442	0.00081	mg/L				1.83%
Be 313.107	-5250.1	0.0000	0.00001	mg/L				35.86%
Ca 315.887	6224066.8	46.29	0.050	mg/L				0.11%
Cd 226.502	-104.8	0.0002	0.00001	mg/L				7.36%

Co 228.616	-223.6	0.0005	0.00008 mg/L		17.20%
Cr 267.716	245.8	0.0017	0.00003 mg/L		1.73%
Cu [illegible]4.754	181477.4	0.7814	0.00180 mg/L		0.23%
Fe [illegible].863	1774.9	0.0806	0.00776 mg/L		9.62%
K [illegible]..721	978.7	21.57	0.744 mg/L		3.45%
Mg 279.079	389904.7	20.87	0.006 mg/L		0.03%
Mn 257.610	2653.0	0.0071	0.00007 mg/L		0.94%
Mo 202.030	135.2	0.0089	0.00101 mg/L		11.30%
Na 330.237	176308.8	263.7	0.37 mg/L		0.14%
Ni 231.604	-152.5	0.0013	0.00008 mg/L		6.40%
Pb 220.353	156.4	0.0262	0.00005 mg/L		0.21%
Sb 206.833	40.1	0.0030	0.00022 mg/L		7.41%
Se 196.026	-5.6	0.0068	0.00142 mg/L		20.95%
Sn 189.933	4842.0	0.5415	0.00440 mg/L		0.81%
Ti 334.941	874.3	0.0030	0.00100 mg/L		33.39%
Tl 190.800	-24.4	-0.0011	0.00016 mg/L		15.14%
V 292.402	4977.6	0.0181	0.00014 mg/L		0.77%
Zn 206.191	7722.2	0.1167	0.00092 mg/L		0.79%

2nd Analysis ok to report

Mean Data ----------

ID: 526354 1/2 Seq. No.: 28 Sample No.: 15 A/S Pos: 23
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/06/02 5:59:37 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4033932.4	0.991	0.0000	mg/L				0.00%
Ag 328.068	-3829.8	-0.0134	0.00012	mg/L				0.91%
Al 308.215	3859436.9	218.2	0.14	mg/L				0.06%
As 188.979	-58.5	0.0157	0.00005	mg/L				0.31%
B 249.773	40239.0	0.4553	0.00285	mg/L				0.63%
Ba 233.527	444477.7	4.772	0.0369	mg/L				0.77%
Be 313.107	-33225.9	-0.0047	0.00007	mg/L				1.40%
Ca 315.887	58555314.7	435.6	1.13	mg/L				0.26%
Cd [illegible]26.502	1483.7	0.0065	0.00002	mg/L				0.27%
C[illegible]9.616	1931.6	0.0867	0.00037	mg/L				0.43%
C[illegible]7.716	18362.6	0.1509	0.00065	mg/L				0.43%
Cu 324.754	34561.1	0.1506	0.00207	mg/L				1.38%
Fe 238.863	3907289.5	164.1	0.11	mg/L				0.07%
K 404.721	2991.9	74.02	0.014	mg/L				0.02%
Mg 279.079	1714680.9	91.84	0.089	mg/L				0.10%
Mn 257.610	2049022.5	4.973	0.0107	mg/L				0.22%
Mo 202.030	63.6	0.0043	0.00009	mg/L				2.00%
Na 330.237	41146.1	60.56	0.649	mg/L				1.07%
Ni 231.604	3300.6	0.0953	0.00005	mg/L				0.05%
Pb 220.353	516.0	0.1082	0.00042	mg/L				0.39%
Sb 206.833	20.2	-0.0060	0.00068	mg/L				11.33%
Se 196.026	-19.4	0.0013	0.00408	mg/L				308.00%
Sn 189.933	9479.7	1.065	0.0001	mg/L				0.01%
Ti 334.941	3942977.6	8.440	0.0145	mg/L				0.17%
Tl 190.800	-110.6	-0.0523	0.00044	mg/L				0.84%
V 292.402	111433.9	0.4985	0.00338	mg/L				0.68%
Zn 206.191	31235.3	0.4726	0.00086	mg/L				0.18%

Mean Data ----------

ID: 526354 Seq. No.: 29 Sample No.: 16 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 6:04:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4066991.6	0.999	0.0037	mg/L				0.37%
Ag 328.068	-7430.4	-0.0342	0.00006	mg/L				0.19%
Al 308.215	10494182.8	593.8	0.28	mg/L				0.05%
As 188.979	-87.8	0.0444	0.01107	mg/L				24.96%
B 249.773	96297.9	1.238	0.0019	mg/L				0.15%
Ba 233.527	1196653.6	12.85	0.016	mg/L				0.13%
B[illegible]3.107	-78790.4	-0.0122	0.00003	mg/L				0.26%
C[illegible]5.887	Saturated							
Cd [illegible]26.502	4498.6	0.0223	0.00022	mg/L				0.98%
Co 228.616	5535.7	0.2310	0.00061	mg/L				0.26%
Cr 267.716	48752.2	0.4013	0.00008	mg/L				0.02%
Cu 324.754	95683.4	0.4322	0.00046	mg/L				0.11%

Fe 238.863	9740971.8	409.1	0.23	mg/L	0.06%
K 404.721	12617.9	251.5	0.59	mg/L	0.24%
Mg 279.079	4696912.3	251.6	0.07	mg/L	0.03%
M 7.610	5398517.6	13.10	0.010	mg/L	0.08%
Mo 2.030	224.3	0.0146	0.00044	mg/L	2.99%
Na 330.237	128335.4	193.1	0.23	mg/L	0.12%
Ni 231.604	8654.8	0.2410	0.00002	mg/L	0.01%
Pb 220.353	1353.2	0.2907	0.00145	mg/L	0.50%
Sb 206.833	-11.8	-0.0203	0.00874	mg/L	43.06%
Se 196.026	-31.0	-0.0029	0.02724	mg/L	952.97%
Sn 189.933	11139.0	0.2873	0.01056	mg/L	3.68%
Ti 334.941	10532980.8	22.55	0.006	mg/L	0.03%
Tl 190.800	-254.4	-0.1378	0.01067	mg/L	7.74%
V 292.402	307427.7	1.383	0.0013	mg/L	0.10%
Zn 206.191	81231.4	1.229	0.0007	mg/L	0.06%

Mean Data

ID: 526358 Seq. No.: 30 Sample No.: 17 A/S Pos: 25
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 6:09:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4057128.7	0.997	0.0031	mg/L				0.32%
Ag 328.068	-1563.9	-0.0004	0.00010	mg/L				23.95%
Al 308.215	6107.4	0.0210	0.00194	mg/L				9.26%
As 188.979	8.2	0.0243	0.00245	mg/L				10.09%
B 249.773	34093.9	0.3695	0.00100	mg/L				0.27%
Ba 233.527	3761.9	0.0398	0.00041	mg/L				1.02%
Be 313.107	-5277.4	0.0000	0.00001	mg/L				25.75%
Ca 315.887	6310793.0	46.94	0.011	mg/L				0.02%
Cd 226.502	-112.8	0.0001	0.00003	mg/L				26.81%
Co 228.616	-220.2	0.0006	0.00004	mg/L				7.03%
Cr 267.716	250.1	0.0017	0.00005	mg/L				2.64%
Cu 324.754	5233.2	0.0126	0.00050	mg/L				3.97%
F 9.863	2521.9	0.1120	0.01719	mg/L				15.35%
K .721	946.3	21.08	0.843	mg/L				4.00%
Mg 279.079	403187.2	21.58	0.026	mg/L				0.12%
Mn 257.610	3042.4	0.0080	0.00024	mg/L				3.01%
Mo 202.030	92.0	0.0061	0.00030	mg/L				4.88%
Na 330.237	178985.3	267.7	1.11	mg/L				0.42%
Ni 231.604	-163.9	0.0010	0.00042	mg/L				42.09%
Pb 220.353	26.6	0.0020	0.00014	mg/L				7.03%
Sb 206.833	35.0	0.0007	0.00130	mg/L				189.72%
Se 196.026	-4.9	0.0071	0.00044	mg/L				6.20%
Sn 189.933	4921.1	0.5505	0.00259	mg/L				0.47%
Ti 334.941	2587.6	0.0066	0.00247	mg/L				37.14%
Tl 190.800	-26.1	-0.0021	0.00024	mg/L				11.86%
V 292.402	4440.9	0.0157	0.00012	mg/L				0.75%
Zn 206.191	1789.8	0.0269	0.00012	mg/L				0.46%

Mean Data

ID: 526359 Seq. No.: 31 Sample No.: 18 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 6:14:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4277902.6	1.051	0.0091	mg/L				0.86%
Ag 328.068	-1574.6	-0.0005	0.00026	mg/L				56.98%
Al 308.215	5875.5	0.0079	0.00208	mg/L				26.46%
As 188.979	6.8	0.0235	0.00158	mg/L				6.73%
B 249.773	32598.7	0.3486	0.00077	mg/L				0.22%
Ba 233.527	3832.4	0.0406	0.00035	mg/L				0.87%
Be 313.107	-5073.2	0.0000	0.00000	mg/L				15.07%
Ca 315.887	7087196.8	52.71	0.029	mg/L				0.06%
Cd 226.502	-109.3	0.0001	0.00003	mg/L				21.36%
Co 228.616	-218.6	0.0007	0.00000	mg/L				0.22%
Cr 267.716	263.3	0.0019	0.00008	mg/L				4.13%
Cu 324.754	8680.3	0.0276	0.00007	mg/L				0.25%
Fe 238.863	2016.6	0.0908	0.00439	mg/L				4.84%
K 404.721	984.9	21.66	0.662	mg/L				3.06%
Mg 279.079	409892.0	21.94	0.009	mg/L				0.04%

Mn 257.610	1815.3	0.0050	0.00023 mg/L		4.56%
Mo 202.030	79.4	0.0053	0.00001 mg/L		0.25%
Na [illegible].237	169456.6	253.4	1.18 mg/L		0.46%
Ni [illegible].604	-156.0	0.0012	0.00015 mg/L		12.87%
Pb [illegible]0.353	27.0	0.0020	0.00004 mg/L		1.93%
Sb 206.833	34.9	0.0006	0.00046 mg/L		70.62%
Se 196.026	1.7	0.0097	0.00163 mg/L		16.80%
Sn 189.933	4889.5	0.5469	0.00255 mg/L		0.47%
Ti 334.941	434.5	0.0020	0.00011 mg/L		5.36%
Tl 190.800	-22.4	0.0001	0.00099 mg/L		684.43%
V 292.402	5280.1	0.0195	0.00037 mg/L		1.87%
Zn 206.191	2724.0	0.0410	0.00010 mg/L		0.25%

Mean Data ----- SD

ID: 526371 ~~1/2~~ 2/7/02 Seq. No.: 32 Sample No.: 19 A/S Pos: 27

Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0

Data: Original Date: 02/06/02 6:18:39 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4492082.7	1.104	0.0066	mg/L				0.60%
Ag 328.068	-6021.7	-0.0261	0.00052	mg/L				2.01%
Al 308.215	8203655.1	464.1	0.08	mg/L				0.02%
As 188.979	-0.5	0.0779	0.00118	mg/L				1.51%
B 249.773	75967.1	0.9542	0.01260	mg/L				1.32%
Ba 233.527	943598.8	10.13	0.136	mg/L				1.34%
Be 313.107	-51038.1	-0.0076	0.00011	mg/L				1.43%
Ca 315.887	Saturated							
Cd 226.502	3426.4	0.0172	0.00046	mg/L				2.70%
Co 228.616	3521.3	0.1504	0.00253	mg/L				1.68%
Cr 267.716	93989.1	0.7739	0.01096	mg/L				1.42%
Cu 324.754	74707.7	0.3349	0.00403	mg/L				1.20%
Fe 238.863	7474249.3	313.9	0.45	mg/L				0.14%
K 404.721	9431.4	190.8	1.40	mg/L				0.74%
Mg [illegible]79.079	3698647.0	198.1	0.16	mg/L				0.08%
M [illegible]7.610	4117318.0	9.990	0.0007	mg/L				0.01%
Mo [illegible]2.030	888.0	0.0571	0.00094	mg/L				1.64%
Na 330.237	109488.9	164.4	2.30	mg/L				1.40%
Ni 231.604	8915.2	0.2481	0.00474	mg/L				1.91%
Pb 220.353	912.8	0.1996	0.00165	mg/L				0.83%
Sb 206.833	0.2	-0.0149	0.00164	mg/L				11.02%
Se 196.026	9.0	0.0128	0.00063	mg/L				4.91%
Sn 189.933	9898.7	0.3524	0.00726	mg/L				2.06%
Ti 334.941	7672061.8	16.42	0.011	mg/L				0.07%
Tl 190.800	-205.4	-0.1087	0.00332	mg/L				3.05%
V 292.402	207737.4	0.9331	0.01344	mg/L				1.44%
Zn 206.191	90183.2	1.365	0.0184	mg/L				1.35%

Mean Data ----- SD

ID: 526371 1/2 2/7/02 Seq. No.: 33 Sample No.: 20 A/S Pos: 28

Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 6:23:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4291564.4	1.054	0.0038	mg/L				0.36%
Ag 328.068	-3589.2	-0.0121	0.00001	mg/L				0.11%
Al 308.215	3472362.5	196.3	0.03	mg/L				0.01%
As 188.979	-34.4	0.0259	0.00080	mg/L				3.08%
B 249.773	37242.2	0.4134	0.00328	mg/L				0.79%
Ba 233.527	404726.1	4.345	0.0244	mg/L				0.56%
Be 313.107	-24902.0	-0.0033	0.00001	mg/L				0.26%
Ca 315.887	57957260.1	431.1	1.59	mg/L				0.37%
Cd 226.502	1322.6	0.0061	0.00000	mg/L				0.01%
Co 228.616	1405.6	0.0657	0.00016	mg/L				0.24%
Cr 267.716	40759.7	0.3354	0.00265	mg/L				0.79%
Cu 324.754	31792.5	0.1284	0.00154	mg/L				1.20%
F [illegible]8.863	3399052.9	142.8	0.09	mg/L				0.06%
K [illegible].721	2647.2	65.96	0.195	mg/L				0.30%
Mg 279.079	1560793.8	83.60	0.048	mg/L				0.06%
Mn 257.610	1790091.7	4.344	0.0032	mg/L				0.07%
Mo 202.030	359.5	0.0233	0.00031	mg/L				1.32%
Na 330.237	40970.2	60.22	0.498	mg/L				0.83%

Ni 231.604	3909.2	0.1119	0.00048	mg/L	0.43%
Pb 220.353	417.0	0.0909	0.00044	mg/L	0.49%
Sb 206.833	17.7	-0.0071	0.00056	mg/L	7.93%
Se 196.026	-16.6	0.0024	0.00229	mg/L	94.28%
Sn 189.933	8837.8	0.9928	0.00281	mg/L	0.28%
Ti 334.941	3273470.7	7.008	0.0058	mg/L	0.08%
Tl 190.800	-97.1	-0.0443	0.00079	mg/L	1.77%
V 292.402	87813.0	0.3919	0.00251	mg/L	0.64%
Zn 206.191	41652.8	0.6303	0.00572	mg/L	0.91%

2/7/02 DCD

Mean Data ----------

ID: CCV Seq. No.: 34 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 6:29:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4265675.1	1.048	0.0015	mg/L				0.14%
Ag 328.068	86312.7	0.5054	0.00107	mg/L				0.21%
Al 308.215	182050.4	9.982	0.0514	mg/L				0.52%
As 188.979	1692.9	1.014	0.0002	mg/L				0.02%
B 249.773	187184.5	2.507	0.0035	mg/L				0.14%
Ba 233.527	966221.7	10.37	0.001	mg/L				0.01%
Be 313.107	1505587.7	0.2511	0.00000	mg/L				0.00%
Ca 315.887	3415265.1	25.40	0.014	mg/L				0.05%
Cd 226.502	50830.7	0.5130	0.00199	mg/L				0.39%
Co 228.616	64232.8	2.580	0.0073	mg/L				0.28%
Cr 267.716	61651.1	0.5075	0.00078	mg/L				0.15%
Cu 324.754	293521.4	1.270	0.0042	mg/L				0.33%
Fe 238.863	124752.3	5.246	0.0248	mg/L				0.47%
K 404.721	1302.2	26.41	0.928	mg/L				3.51%
Mg 279.079	470245.5	25.17	0.075	mg/L				0.30%
Mn 257.610	318707.8	0.7718	0.00135	mg/L				0.17%
Mo 202.030	38314.2	2.452	0.0089	mg/L				0.36%
Na 330.237	16827.9	23.89	0.043	mg/L				0.18%
Ni 231.604	76113.6	2.077	0.0083	mg/L				0.40%
Pb 220.353	2723.9	0.5069	0.00112	mg/L				0.22%
Sb 206.833	10981.7	4.904	0.0300	mg/L				0.61%
Se 196.026	1258.0	0.5051	0.00032	mg/L				0.06%
Sn 189.933	46849.7	5.285	0.0183	mg/L				0.35%
Ti 334.941	1162808.3	2.490	0.0020	mg/L				0.08%
Tl 190.800	1714.0	1.033	0.0003	mg/L				0.03%
V 292.402	561749.7	2.531	0.0042	mg/L				0.17%
Zn 206.191	67528.8	1.022	0.0041	mg/L				0.40%

Mean Data ----------

ID: CCB Seq. No.: 35 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 6:34:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4206469.1	1.034	0.0034	mg/L				0.33%
Ag 328.068	-1507.7	-0.0001	0.00009	mg/L				117.70%
Al 308.215	5536.1	-0.0113	0.00009	mg/L				0.77%
As 188.979	-32.6	0.0003	0.00136	mg/L				461.37%
B 249.773	9687.7	0.0286	0.00438	mg/L				15.31%
Ba 233.527	495.8	0.0048	0.00054	mg/L				11.40%
Be 313.107	-4815.8	0.0001	0.00000	mg/L				3.64%
Ca 315.887	4784.0	0.0251	0.00185	mg/L				7.36%
Cd 226.502	-113.7	0.0001	0.00000	mg/L				0.43%
Co 228.616	-196.4	0.0016	0.00014	mg/L				8.77%
Cr 267.716	44.5	0.0000	0.00031	mg/L				643.77%
Cu 324.754	2804.3	0.0020	0.00107	mg/L				54.31%
Fe 238.863	1734.1	0.0789	0.00392	mg/L				4.97%
K 404.721	-308.0	2.303	1.0693	mg/L				46.43%
*QC exceeds upper limit for K 404.721 Action = Continue								
Mg 279.079	760.2	0.0219	0.00402	mg/L				18.40%
Mn 257.610	1513.0	0.0043	0.00009	mg/L				2.17%
Mo 202.030	3.4	0.0005	0.00042	mg/L				88.43%
Na 330.237	886.2	-0.0860	0.09855	mg/L				114.65%
Ni 231.604	-144.6	0.0015	0.00008	mg/L				5.21%
Pb 220.353	19.9	0.0007	0.00022	mg/L				31.41%

Sb 206.833	75.5	0.0188	0.00501	mg/L	26.66%
*QC exceeds upper limit for Sb 206.833 Action = Continue					
Se 196.026	-22.1	0.0003	0.00271	mg/L	>999.9%
Sn 189.933	117.1	0.0080	0.00118	mg/L	14.80%
Ti 334.941	347.0	0.0019	0.00035	mg/L	18.77%
Tl 190.800	-20.9	0.0010	0.00052	mg/L	51.16%
V 292.402	925.2	-0.0002	0.00002	mg/L	13.89%
Zn 206.191	137.6	0.0019	0.00019	mg/L	9.90%

Mean Data ----------

ID: 526374 1/2 Seq. No.: 36 Sample No.: 21 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/06/02 6:39:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4415706.5	1.085	0.0070	mg/L				0.65%
Ag 328.068	-4257.2	-0.0159	0.00003	mg/L				0.18%
Al 308.215	3729682.4	210.8	0.29	mg/L				0.14%
As 188.979	-7.0	0.0426	0.00126	mg/L				2.96%
B 249.773	35536.9	0.3896	0.00792	mg/L				2.03%
Ba 233.527	373147.5	4.006	0.0518	mg/L				1.29%
Be 313.107	-26280.0	-0.0035	0.00007	mg/L				1.91%
Ca 315.887	Saturated							
Cd 226.502	1464.2	0.0073	0.00006	mg/L				0.87%
Co 228.616	1532.5	0.0708	0.00075	mg/L				1.06%
Cr 267.716	18183.5	0.1495	0.00193	mg/L				1.29%
Cu 324.754	32613.0	0.1320	0.00103	mg/L				0.78%
Fe 238.863	3475635.5	146.0	0.33	mg/L				0.23%
K 404.721	3685.6	81.95	0.534	mg/L				0.65%
Mg 279.079	1698120.9	90.96	0.252	mg/L				0.28%
Mn 257.610	3100194.9	7.514	0.0067	mg/L				0.09%
Mo 202.030	114.3	0.0076	0.00055	mg/L				7.32%
Na 330.237	30572.7	45.11	0.672	mg/L				1.49%
Ni 231.604	3132.0	0.0907	0.00070	mg/L				0.77%
Pb 220.353	400.0	0.0889	0.00040	mg/L				0.44%
Sb 206.833	18.3	-0.0068	0.00149	mg/L				21.84%
Se 196.026	-6.1	0.0066	0.00528	mg/L				80.33%
Sn 189.933	8592.9	0.9651	0.00746	mg/L				0.77%
Ti 334.941	3527013.7	7.550	0.0012	mg/L				0.02%
Tl 190.800	-149.1	-0.0752	0.00008	mg/L				0.11%
V 292.402	101530.2	0.4538	0.00564	mg/L				1.24%
Zn 206.191	26976.8	0.4081	0.00194	mg/L				0.48%

Mean Data ----------

ID: 526374 Seq. No.: 37 Sample No.: 22 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 6:44:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4778520.5	1.174	0.0054	mg/L				0.46%
Ag 328.068	-7579.1	-0.0350	0.00067	mg/L				1.90%
Al 308.215	9624822.9	544.6	1.40	mg/L				0.26%
As 188.979	50.9	0.1134	0.01139	mg/L				10.04%
B 249.773	78809.8	0.9939	0.00110	mg/L				0.11%
Ba 233.527	947682.2	10.17	0.012	mg/L				0.11%
Be 313.107	-62534.7	-0.0095	0.00002	mg/L				0.21%
Ca 315.887	Saturated							
Cd 226.502	4231.6	0.0236	0.00015	mg/L				0.62%
Co 228.616	4125.7	0.1746	0.00201	mg/L				1.15%
Cr 267.716	45862.8	0.3775	0.00016	mg/L				0.04%
Cu 324.754	87498.9	0.3924	0.00072	mg/L				0.18%
Fe 238.863	8159715.9	342.7	1.26	mg/L				0.37%
K 404.721	15029.2	278.5	1.65	mg/L				0.59%
Mg 279.079	4309972.7	230.9	0.39	mg/L				0.17%
Mn 257.610	7472951.1	18.11	0.065	mg/L				0.36%
[redacted]2.030	340.6	0.0221	0.00149	mg/L				6.77%
[redacted]0.237	91105.8	136.9	0.04	mg/L				0.03%
Ni 231.604	7775.1	0.2171	0.00190	mg/L				0.88%
Pb 220.353	960.9	0.2145	0.00278	mg/L				1.30%
Sb 206.833	-7.6	-0.0184	0.01038	mg/L				56.43%
Se 196.026	17.7	0.0163	0.01997	mg/L				122.40%

Sn 189.933	9218.5	0.1499	0.00760 mg/L		5.07%
Ti 334.941	9019755.3	19.31	0.061 mg/L		0.32%
Tl 190.800	-337.2	-0.1870	0.00704 mg/L		3.76%
V 292.402	266032.6	1.196	0.0006 mg/L		0.05%
Zn 206.191	65375.9	0.9893	0.00094 mg/L		0.10%

Mean Data

ID: 526375 Seq. No.: 38 Sample No.: 23 A/S Pos: 31
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 6:49:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4393321.4	1.079	0.0057	mg/L				0.53%
Ag 328.068	-2003.5	-0.0029	0.00024	mg/L				8.25%
Al 308.215	512651.1	28.70	0.041	mg/L				0.14%
As 188.979	5.9	0.0229	0.00256	mg/L				11.18%
B 249.773	30688.1	0.3219	0.00332	mg/L				1.03%
Ba 233.527	87251.2	0.9362	0.00763	mg/L				0.81%
Be 313.107	-9090.7	-0.0007	0.00001	mg/L				1.85%
Ca 315.887	22564565.6	167.8	0.24	mg/L				0.14%
Cd 226.502	103.0	0.0023	0.00001	mg/L				0.56%
Co 228.616	51.7	0.0115	0.00017	mg/L				1.48%
Cr 267.716	2828.3	0.0230	0.00005	mg/L				0.21%
Cu 324.754	6631.4	0.0187	0.00015	mg/L				0.81%
Fe 238.863	487284.2	20.47	0.011	mg/L				0.05%
K 404.721	1491.0	32.02	0.556	mg/L				1.74%
Mg 279.079	700327.4	37.50	0.060	mg/L				0.16%
Mn 257.610	309437.1	0.7493	0.00114	mg/L				0.15%
Mo 202.030	132.4	0.0087	0.00003	mg/L				0.31%
Na 330.237	141308.1	211.1	2.48	mg/L				1.17%
Ni 231.604	297.1	0.0135	0.00005	mg/L				0.34%
Pb 220.353	67.4	0.0096	0.00070	mg/L				7.29%
Sb 206.833	29.1	-0.0020	0.00017	mg/L				8.47%
Se 196.026	17.8	0.0160	0.00136	mg/L				8.46%
Sn 189.933	6496.9	0.7284	0.00509	mg/L				0.70%
Ti 334.941	537171.1	1.151	0.0034	mg/L				0.30%
Tl 190.800	-35.2	-0.0075	0.00012	mg/L				1.55%
V 292.402	18311.5	0.0783	0.00082	mg/L				1.05%
Zn 206.191	4022.8	0.0607	0.00023	mg/L				0.38%

Mean Data

ID: 526385 1/2 Seq. No.: 39 Sample No.: 24 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/06/02 6:54:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4384886.8	1.077	0.0019	mg/L				0.18%
Ag 328.068	-3577.6	-0.0120	0.00040	mg/L				3.34%
Al 308.215	3628451.2	205.1	0.01	mg/L				0.01%
As 188.979	-17.5	0.0359	0.00164	mg/L				4.56%
B 249.773	45549.0	0.5294	0.00309	mg/L				0.58%
Ba 233.527	296187.9	3.179	0.0122	mg/L				0.38%
Be 313.107	-21733.0	-0.0028	0.00001	mg/L				0.18%
Ca 315.887	57376462.6	426.8	0.87	mg/L				0.20%
Cd 226.502	1355.1	0.0064	0.00015	mg/L				2.28%
Co 228.616	1413.0	0.0660	0.00027	mg/L				0.41%
Cr 267.716	24979.0	0.2054	0.00056	mg/L				0.27%
Cu 324.754	32812.5	0.1329	0.00079	mg/L				0.59%
Fe 238.863	3411220.5	143.3	0.12	mg/L				0.08%
K 404.721	3347.4	76.51	1.432	mg/L				1.87%
Mg 279.079	1659779.7	88.90	0.076	mg/L				0.08%
Mn 257.610	1844722.3	4.476	0.0011	mg/L				0.03%
Mo 202.030	262.0	0.0170	0.00035	mg/L				2.04%
Na 330.237	95591.4	142.4	0.51	mg/L				0.36%
Ni 231.604	3532.1	0.1016	0.00044	mg/L				0.44%
Pb 220.353	483.6	0.1041	0.00076	mg/L				0.73%
Sb 206.833	21.4	-0.0054	0.00101	mg/L				18.64%
Se 196.026	-21.4	0.0006	0.00117	mg/L				213.21%
Sn 189.933	8803.4	0.9889	0.00042	mg/L				0.04%
Ti 334.941	3297897.0	7.060	0.0031	mg/L				0.04%
Tl 190.800	-99.5	-0.0457	0.00086	mg/L				1.88%

292.402	90930.9	0.4060	0.00142	mg/L	0.35%
n 206.191	109058.8	1.651	0.0059	mg/L	0.36%

e ata

D: 526386 1/10 Seq. No.: 40 Sample No.: 25 A/S Pos: 33
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/06/02 7:00:24 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4446068.3	1.092	0.0059	mg/L				0.54%
g 328.068	-1681.3	-0.0011	0.00030	mg/L				28.11%
l 308.215	337205.3	18.77	0.036	mg/L				0.19%
s 188.979	-27.8	0.0031	0.00069	mg/L				22.31%
249.773	14804.2	0.1001	0.00106	mg/L				1.06%
a 233.527	46343.7	0.4970	0.00002	mg/L				0.00%
e 313.107	-7504.3	-0.0004	0.00000	mg/L				0.43%
a 315.887	8688760.8	64.63	0.073	mg/L				0.11%
d 226.502	35.4	0.0016	0.00003	mg/L				2.11%
o 228.616	-0.2	0.0094	0.00024	mg/L				2.55%
r 267.716	3504.6	0.0286	0.00042	mg/L				1.47%
u 324.754	5574.3	0.0141	0.00001	mg/L				0.05%
e 238.863	381619.8	16.04	0.002	mg/L				0.02%
404.721	-53.2	8.298	0.1762	mg/L				2.12%
g 279.079	204563.7	10.94	0.010	mg/L				0.09%
n 257.610	381580.1	0.9239	0.00035	mg/L				0.04%
o 202.030	51.8	0.0036	0.00027	mg/L				7.47%
a 330.237	20286.6	29.09	0.020	mg/L				0.07%
i 231.604	617.8	0.0223	0.00004	mg/L				0.20%
b 220.353	59.5	0.0081	0.00016	mg/L				1.94%
b 206.833	27.5	-0.0027	0.00121	mg/L				44.90%
e 196.026	-20.5	0.0009	0.00130	mg/L				146.30%
n 189.933	2796.0	0.3105	0.00208	mg/L				0.67%
i 334.941	350901.8	0.7522	0.00099	mg/L				0.13%
l 190.800	-34.7	-0.0072	0.00013	mg/L				1.80%
402	10077.9	0.0411	0.00003	mg/L				0.07%
n 206.191	138432.8	2.095	0.0022	mg/L				0.11%

lean Data

ID: 526387 1/2 Seq. No.: 41 Sample No.: 26 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/06/02 7:05:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4457076.0	1.095	0.0228	mg/L				2.08%
Ag 328.068	-3601.9	-0.0121	0.00017	mg/L				1.44%
Al 308.215	3248433.6	183.6	3.89	mg/L				2.12%
As 188.979	-10.7	0.0378	0.00151	mg/L				3.99%
B 249.773	40769.9	0.4627	0.01341	mg/L				2.90%
Ba 233.527	609007.5	6.538	0.1407	mg/L				2.15%
Be 313.107	-24888.1	-0.0033	0.00007	mg/L				2.18%
Ca 315.887	72612171.6	540.2	12.65	mg/L				2.34%
Cd 226.502	1295.5	0.0065	0.00010	mg/L				1.59%
Co 228.616	1385.1	0.0649	0.00100	mg/L				1.54%
Cr 267.716	21165.2	0.1740	0.00409	mg/L				2.35%
Cu 324.754	32245.5	0.1304	0.00301	mg/L				2.31%
Fe 238.863	3144047.2	132.1	2.72	mg/L				2.06%
K 404.721	2944.0	68.95	4.168	mg/L				6.05%
Mg 279.079	1459354.2	78.17	1.642	mg/L				2.10%
Mn 257.610	2204412.5	5.346	0.1120	mg/L				2.10%
Mo 202.030	224.4	0.0146	0.00042	mg/L				2.88%
Na 330.237	105259.6	156.5	4.39	mg/L				2.81%
Ni 231.604	3049.9	0.0885	0.00160	mg/L				1.81%
Pb 220.353	396.0	0.0860	0.00183	mg/L				2.12%
Sb 206.833	11.8	-0.0097	0.00042	mg/L				4.29%
Se 196.026	-16.7	0.0024	0.00350	mg/L				146.29%
S 9.933	8324.2	0.9348	0.01924	mg/L				2.06%
T 4.941	3141839.3	6.726	0.1348	mg/L				2.00%
Tl 190.800	-113.8	-0.0542	0.00090	mg/L				1.66%
V 292.402	91551.9	0.4088	0.00967	mg/L				2.36%
Zn 206.191	36935.7	0.5589	0.01135	mg/L				2.03%

Mean Data

ID: 526401 1/5 Seq. No.: 42 Sample No.: 27 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 5.0
Data: Original Date: 02/06/02 7:11:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4398854.3	1.081	0.0049	mg/L				0.45%
Ag 328.068	-1572.3	-0.0005	0.00001	mg/L				1.33%
Al 308.215	5827.0	0.0051	0.00150	mg/L				29.22%
As 188.979	-24.5	0.0051	0.00097	mg/L				19.13%
B 249.773	10718534.2	149.6	0.62	mg/L				0.41%
Ba 233.527	2154.0	0.0226	0.00002	mg/L				0.10%
Be 313.107	-5264.0	0.0000	0.00001	mg/L				42.00%
Ca 315.887	708968.1	5.264	0.0151	mg/L				0.29%
Cd 226.502	-89.2	0.0003	0.00004	mg/L				11.12%
Co 228.616	-113.7	0.0049	0.00003	mg/L				0.57%
Cr 267.716	1906.9	0.0154	0.00005	mg/L				0.31%
Cu 324.754	5912.3	0.0155	0.00021	mg/L				1.33%
Fe 238.863	11329.4	0.4820	0.00271	mg/L				0.56%
K 404.721	47535.5	718.7	3.34	mg/L				0.46%
Mg 279.079	111541.3	5.957	0.0072	mg/L				0.12%
Mn 257.610	36118.6	0.0880	0.00134	mg/L				1.52%
Mo 202.030	93.5	0.0062	0.00011	mg/L				1.82%
Na 330.237	109941.0	163.9	0.61	mg/L				0.37%
Ni 231.604	1403.5	0.0436	0.00002	mg/L				0.05%
Pb 220.353	29.5	0.0025	0.00045	mg/L				18.08%
Sb 206.833	30.4	-0.0014	0.00137	mg/L				98.17%
Se 196.026	-44.9	-0.0087	0.00002	mg/L				0.26%
Sn 189.933	1848.3	0.2035	0.00019	mg/L				0.09%
Ti 334.941	5643.7	0.0132	0.00038	mg/L				2.87%
Tl 190.800	-20.3	0.0013	0.00087	mg/L				64.71%
V 292.402	3143.0	0.0098	0.00015	mg/L				1.56%
Zn 206.191	3103.6	0.0468	0.00013	mg/L				0.27%

M Data

I. RI Seq. No.: 43 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 7:16:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4512019.0	1.109	0.0060	mg/L				0.54%
Ag 328.068	1832.7	0.0191	0.00016	mg/L				0.86%
Al 308.215	5280.8	-0.0258	0.00341	mg/L				13.22%
As 188.979	4.2	0.0219	0.00109	mg/L				4.97%
B 249.773	53028.4	0.6339	0.15373	mg/L				24.25%
Ba 233.527	481.2	0.0046	0.00031	mg/L				6.77%
Be 313.107	55201.7	0.0100	0.00006	mg/L				0.58%
Ca 315.887	7532.2	0.0456	0.00251	mg/L				5.50%
Cd 226.502	903.2	0.0103	0.00007	mg/L				0.67%
Co 228.616	2487.8	0.1090	0.00026	mg/L				0.24%
Cr 267.716	2550.9	0.0207	0.00015	mg/L				0.71%
Cu 324.754	13684.2	0.0494	0.00008	mg/L				0.16%
Fe 238.863	2505.8	0.1113	0.00699	mg/L				6.27%
K 404.721	-208.2	3.798	0.0629	mg/L				1.66%
Mg 279.079	743.9	0.0210	0.00141	mg/L				6.74%
Mn 257.610	15310.2	0.0377	0.00033	mg/L				0.88%
Mo 202.030	25.4	0.0019	0.00008	mg/L				4.26%
Na 330.237	863.5	-0.1201	0.01480	mg/L				12.32%
Ni 231.604	2999.0	0.0871	0.00024	mg/L				0.28%
Pb 220.353	48.1	0.0060	0.00006	mg/L				0.99%
Sb 206.833	299.4	0.1191	0.00072	mg/L				0.60%
Se 196.026	5.8	0.0113	0.00091	mg/L				8.06%
Sn 189.933	56.8	0.0011	0.00010	mg/L				8.69%
Ti 334.941	180.3	0.0015	0.00027	mg/L				18.17%
Tl 190.800	15.6	0.0227	0.00052	mg/L				2.27%
V [illegible].402	23306.3	0.1008	0.00023	mg/L				0.23%
Z 6.191	2852.9	0.0430	0.00018	mg/L				0.42%

Mean Data

ID: ICSA Seq. No.: 44 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 7:22:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
[illegible].030	3977203.6	0.977	0.0030	mg/L				0.31%
[illegible]g 328.068	-3600.5	-0.0121	0.00035	mg/L				2.86%
[illegible]l 308.215	9202503.4	520.7	1.80	mg/L				0.35%
[illegible]s 188.979	-74.6	0.0100	0.00008	mg/L				0.83%
[illegible] 249.773	33505.8	0.3612	0.02729	mg/L				7.55%
[illegible]a 233.527	-107.2	-0.0017	0.00020	mg/L				11.60%
[illegible]e 313.107	-5711.9	-0.0001	0.00000	mg/L				0.22%
[illegible]a 315.887	63317039.5	471.0	1.47	mg/L				0.31%
[illegible]d 226.502	1600.8	0.0065	0.00008	mg/L				1.23%
[illegible]o 228.616	-213.0	0.0009	0.00015	mg/L				16.18%
[illegible]r 267.716	732.7	0.0057	0.00027	mg/L				4.75%
[illegible]u 324.754	-78.8	0.0006	0.00017	mg/L				26.71%
[illegible]e 238.863	4379904.6	184.0	0.03	mg/L				0.02%
[illegible] 404.721	-1764.3	5.505	0.9995	mg/L				18.16%
[illegible]g 279.079	9715149.0	520.5	1.71	mg/L				0.33%
[illegible]n 257.610	-2795.7	0.0097	0.00056	mg/L				5.72%
[illegible]o 202.030	53.8	0.0037	0.00003	mg/L				0.83%
[illegible]a 330.237	697.3	-0.2316	0.00646	mg/L				2.79%
[illegible]i 231.604	-129.0	0.0019	0.00002	mg/L				1.20%
[illegible]b 220.353	-207.3	-0.0031	0.00100	mg/L				32.30%
[illegible]b 206.833	20.7	-0.0057	0.00299	mg/L				52.38%
[illegible]e 196.026	8.3	0.0030	0.00128	mg/L				43.23%
[illegible]n 189.933	13396.9	-0.4892	0.00202	mg/L				0.41%
[illegible]i 334.941	-3010.1	-0.0053	0.00000	mg/L				0.08%
[illegible]l 190.800	-51.7	-0.0173	0.00346	mg/L				20.02%
[illegible] 292.402	9694.3	0.0394	0.00018	mg/L				0.46%
[illegible]n 206.191	1413.9	0.0071	0.00030	mg/L				4.21%

[illegible]lean Data

[illegible]D: ICSAB Seq. No.: 45 Sample No.: 7 A/S Pos: 8

[illegible]ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 7:28:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
[illegible] 371.030	3939075.3	0.968	0.0005	mg/L				0.06%
[illegible]g 328.068	193505.6	1.122	0.0039	mg/L				0.35%
[illegible]l 308.215	9274364.5	524.7	1.37	mg/L				0.26%
[illegible]s 188.979	-88.4	0.0024	0.00065	mg/L				26.99%
[illegible] 249.773	28371.0	0.2895	0.00519	mg/L				1.79%
[illegible]a 233.527	50482.9	0.5414	0.00285	mg/L				0.53%
[illegible]e 313.107	3027386.3	0.5041	0.00004	mg/L				0.01%
[illegible]a 315.887	63875753.2	475.2	1.43	mg/L				0.30%
[illegible]d 226.502	96140.6	0.9582	0.00490	mg/L				0.51%
[illegible]o 228.616	11769.5	0.4805	0.00108	mg/L				0.22%
[illegible]r 267.716	61537.4	0.5066	0.00245	mg/L				0.48%
[illegible]u 324.754	128050.0	0.5598	0.00348	mg/L				0.62%
[illegible]e 238.863	4443278.2	186.6	0.08	mg/L				0.04%
[illegible] 404.721	-1912.8	3.644	3.3818	mg/L				92.82%
[illegible]g 279.079	9799789.7	525.0	1.60	mg/L				0.31%
[illegible]n 257.610	208579.7	0.5214	0.00231	mg/L				0.44%
[illegible]o 202.030	66.1	0.0045	0.00104	mg/L				23.18%
[illegible]a 330.237	916.9	0.1039	0.00478	mg/L				4.60%
[illegible]i 231.604	33841.5	0.9266	0.00137	mg/L				0.15%
[illegible]b 220.353	4875.6	0.9487	0.00213	mg/L				0.22%
[illegible]b 206.833	27.1	-0.0029	0.00152	mg/L				53.37%
[illegible]e 196.026	13.7	0.0050	0.00179	mg/L				35.82%
[illegible]n 189.933	13523.9	-0.4923	0.00092	mg/L				0.19%
[illegible]i 334.941	-3018.5	-0.0053	0.00011	mg/L				2.12%
[illegible]l 190.800	-54.6	-0.0190	0.00304	mg/L				16.01%
[illegible] 292.402	123115.1	0.5512	0.00284	mg/L				0.51%
[illegible]n 206.191	63761.7	0.9507	0.00464	mg/L				0.49%

[illegible] Data

[illegible]I V Seq. No.: 46 Sample No.: 2 A/S Pos: 3

[illegible]ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 7:34:02 PM

Element	Mean Corr.	Mean	Calib	Mean	Sample

Element	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
Y 371.030	4374614.2	1.075	0.0067	mg/L				0.62%
Ag [illegible].068	85894.3	0.5030	0.00788	mg/L				1.57%
Al [illegible].215	181978.2	9.978	0.1892	mg/L				1.90%
As [illegible].979	1701.7	1.019	0.0062	mg/L				0.61%
B 249.773	193796.2	2.600	0.0524	mg/L				2.01%
Ba 233.527	964765.4	10.36	0.000	mg/L				0.00%
Be 313.107	1503089.8	0.2507	0.00016	mg/L				0.06%
Ca 315.887	3420240.9	25.43	0.010	mg/L				0.04%
Cd 226.502	50433.5	0.5090	0.00871	mg/L				1.71%
Co 228.616	64076.2	2.574	0.0350	mg/L				1.36%
Cr 267.716	61400.0	0.5055	0.00735	mg/L				1.45%
Cu 324.754	292788.4	1.267	0.0247	mg/L				1.95%
Fe 238.863	124538.5	5.237	0.0607	mg/L				1.16%
K 404.721	1418.2	28.15	0.252	mg/L				0.89%
*QC exceeds upper limit for K 404.721		Recovery = 112.60%		Action = Continue				
Mg 279.079	469607.8	25.14	0.385	mg/L				1.53%
Mn 257.610	316926.0	0.7675	0.01002	mg/L				1.31%
Mo 202.030	37996.8	2.432	0.0428	mg/L				1.76%
Na 330.237	16875.7	23.96	0.177	mg/L				0.74%
Ni 231.604	75606.4	2.063	0.0320	mg/L				1.55%
Pb 220.353	2727.2	0.5075	0.00258	mg/L				0.51%
Sb 206.833	11019.5	4.921	0.0461	mg/L				0.94%
Se 196.026	1251.2	0.5025	0.00519	mg/L				1.03%
Sn 189.933	45928.2	5.181	0.0874	mg/L				1.69%
Ti 334.941	1166452.6	2.498	0.0017	mg/L				0.07%
Tl 190.800	1714.1	1.033	0.0094	mg/L				0.91%
V 292.402	562680.0	2.535	0.0014	mg/L				0.05%
Zn 206.191	66897.0	1.012	0.0135	mg/L				1.33%

Mean Data ----------

ID: CCB Seq. No.: 47 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 7:39:07 PM

El[illegible]t	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4294155.9	1.055	0.0023	mg/L				0.22%
Ag 328.068	-1468.9	0.0001	0.00015	mg/L				105.58%
Al 308.215	5418.7	-0.0180	0.00539	mg/L				29.96%
As 188.979	-32.0	0.0006	0.00108	mg/L				178.02%
B 249.773	16709.5	0.1267	0.00633	mg/L				4.99%
Ba 233.527	437.9	0.0041	0.00035	mg/L				8.49%
Be 313.107	-4574.5	0.0001	0.00002	mg/L				18.11%
Ca 315.887	5494.4	0.0304	0.00431	mg/L				14.19%
Cd 226.502	-115.6	0.0001	0.00005	mg/L				73.22%
Co 228.616	-195.4	0.0016	0.00002	mg/L				1.12%
Cr 267.716	48.6	0.0001	0.00003	mg/L				40.69%
Cu 324.754	2846.0	0.0021	0.00070	mg/L				32.65%
Fe 238.863	2413.2	0.1075	0.00247	mg/L				2.30%
*QC exceeds upper limit for Fe 238.863		Action = Continue						
K 404.721	-328.8	1.993	1.1889	mg/L				59.66%
Mg 279.079	2063.9	0.0917	0.01069	mg/L				11.65%
Mn 257.610	498.3	0.0018	0.00001	mg/L				0.54%
Mo 202.030	13.6	0.0011	0.00027	mg/L				24.21%
Na 330.237	805.1	-0.2079	0.00322	mg/L				1.55%
Ni 231.604	-129.9	0.0019	0.00000	mg/L				0.07%
Pb 220.353	14.4	-0.0003	0.00038	mg/L				117.49%
Sb 206.833	74.9	0.0185	0.00599	mg/L				32.34%
*QC exceeds upper limit for Sb 206.833		Action = Continue						
Se 196.026	-25.8	-0.0012	0.00036	mg/L				30.31%
Sn 189.933	135.0	0.0100	0.00075	mg/L				7.55%
Ti 334.941	-48.0	0.0010	0.00030	mg/L				29.96%
Tl 190.800	-20.0	0.0015	0.00039	mg/L				24.89%
V 292.402	920.6	-0.0002	0.00013	mg/L				66.53%
Zn 206.191	73.3	0.0009	0.00011	mg/L				11.33%

M[illegible] Data ----------

I[illegible] AS-M2530072 Seq. No.: 48 Sample No.: 28 A/S Pos: 36
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 7:44:11 PM

Mean Corr.	Mean	Calib	Mean	Sample

Element	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
Y 371.030	4360938.1	1.071	0.0124	mg/L				1.15%
Ag 328.068	-1502.9	-0.0001	0.00010	mg/L				195.37%
A 1.215	5414.0	-0.0183	0.00161	mg/L				8.84%
As 8.979	-34.7	-0.0010	0.00075	mg/L				78.35%
B 249.773	16394.9	0.1223	0.00823	mg/L				6.73%
Ba 233.527	216.5	0.0018	0.00004	mg/L				2.21%
Be 313.107	-4484.0	0.0001	0.00001	mg/L				6.13%
Ca 315.887	3980.6	0.0191	0.00274	mg/L				14.34%
Cd 226.502	-103.2	0.0002	0.00007	mg/L				32.86%
Co 228.616	-195.2	0.0016	0.00028	mg/L				17.07%
Cr 267.716	181.0	0.0012	0.00027	mg/L				22.74%
Cu 324.754	2678.8	0.0014	0.00032	mg/L				22.22%
Fe 238.863	3193.8	0.1402	0.01283	mg/L				9.15%
K 404.721	-334.4	1.908	1.7159	mg/L				89.93%
Mg 279.079	1046.0	0.0372	0.00180	mg/L				4.84%
Mn 257.610	289.9	0.0013	0.00000	mg/L				0.07%
Mo 202.030	464.1	0.0300	0.01227	mg/L				40.97%
Na 330.237	1371.5	0.6438	0.05794	mg/L				9.00%
Ni 231.604	-118.9	0.0022	0.00001	mg/L				0.32%
Pb 220.353	19.9	0.0007	0.00035	mg/L				50.89%
Sb 206.833	42.6	0.0041	0.00038	mg/L				9.35%
Se 196.026	-27.0	-0.0017	0.00298	mg/L				179.76%
Sn 189.933	216.7	0.0192	0.00036	mg/L				1.90%
Ti 334.941	-104.3	0.0009	0.00006	mg/L				6.79%
Tl 190.800	-23.9	-0.0008	0.00039	mg/L				49.33%
V 292.402	873.1	-0.0004	0.00010	mg/L				24.32%
Zn 206.191	210.5	0.0030	0.00003	mg/L				0.94%

Mean Data

ID: LCSS-M2530072 Seq. No.: 49 Sample No.: 29 A/S Pos: 37
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 7:49:33 PM

E t	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y .030	4527021.7	1.112	0.0027	mg/L				0.25%
Ag 328.068	98748.7	0.5770	0.00333	mg/L				0.58%
Al 308.215	1152744.3	64.94	0.214	mg/L				0.33%
As 188.979	2780.0	1.671	0.0041	mg/L				0.25%
B 249.773	50273.7	0.5954	0.00029	mg/L				0.05%
Ba 233.527	147740.0	1.586	0.0050	mg/L				0.32%
Be 313.107	2472607.2	0.4118	0.00005	mg/L				0.01%
Ca 315.887	12724262.1	94.65	0.136	mg/L				0.14%
Cd 226.502	61325.2	0.6130	0.00309	mg/L				0.50%
Co 228.616	50055.7	2.013	0.0100	mg/L				0.50%
Cr 267.716	154972.5	1.276	0.0050	mg/L				0.39%
Cu 324.754	202525.6	0.8733	0.00156	mg/L				0.18%
Fe 238.863	2304985.9	96.82	0.442	mg/L				0.46%
K 404.721	398.8	26.05	1.104	mg/L				4.24%
Mg 279.079	439168.0	23.51	0.087	mg/L				0.37%
Mn 257.610	1429717.0	3.460	0.0115	mg/L				0.33%
Mo 202.030	6390.4	0.4092	0.00219	mg/L				0.54%
Na 330.237	6922.3	8.991	0.0350	mg/L				0.39%
Ni 231.604	25674.3	0.7043	0.00120	mg/L				0.17%
Pb 220.353	6119.4	1.148	0.0041	mg/L				0.36%
Sb 206.833	330.5	0.1331	0.00126	mg/L				0.95%
Se 196.026	3367.2	1.337	0.0054	mg/L				0.41%
Sn 189.933	10547.3	1.186	0.0025	mg/L				0.21%
Ti 334.941	592809.9	1.270	0.0026	mg/L				0.21%
Tl 190.800	1153.3	0.6992	0.00420	mg/L				0.60%
V 292.402	336244.9	1.513	0.0071	mg/L				0.47%
Zn 206.191	166259.9	2.516	0.0107	mg/L				0.43%

Mean Data

ID: 526807 Seq. No.: 50 Sample No.: 30 A/S Pos: 38
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 7:55:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4379861.4	1.076	0.0013	mg/L				0.12%
Ag 328.068	-3482.3	-0.0114	0.00022	mg/L				1.92%

l 308.215	1374950.1	77.52	0.048	mg/L	0.06%
s 188.979	-50.1	0.0318	0.00061	mg/L	1.92%
249.773	45127.6	0.5235	0.00053	mg/L	0.10%
a .527	132400.7	1.421	0.0035	mg/L	0.24%
e .107	-1219.6	0.0007	0.00001	mg/L	1.35%
a 315.887	22220135.5	165.3	0.25	mg/L	0.15%
d 226.502	1940.7	0.0076	0.00011	mg/L	1.42%
o 228.616	1012.3	0.0500	0.00000	mg/L	0.01%
r 267.716	40441.2	0.3328	0.00101	mg/L	0.30%
u 324.754	191967.5	0.8409	0.00278	mg/L	0.33%
e 238.863	5315232.9	223.3	0.23	mg/L	0.10%
404.721	-877.3	24.13	0.567	mg/L	2.35%
g 279.079	639256.2	34.23	0.013	mg/L	0.04%
n 257.610	1255472.8	3.058	0.0014	mg/L	0.05%
o 202.030	1218.0	0.0782	0.00048	mg/L	0.61%
a 330.237	2558.0	3.283	0.0141	mg/L	0.43%
i 231.604	6904.2	0.1934	0.00008	mg/L	0.04%
b 220.353	4621.0	0.8641	0.00049	mg/L	0.06%
b 206.833	26.8	-0.0030	0.00265	mg/L	88.99%
e 196.026	-17.6	0.0020	0.00118	mg/L	57.93%
n 189.933	6767.8	0.7590	0.00007	mg/L	0.01%
i 334.941	1051484.8	2.252	0.0019	mg/L	0.08%
l 190.800	-78.2	-0.0330	0.00178	mg/L	5.40%
292.402	46447.1	0.2053	0.00048	mg/L	0.23%
n 206.191	287553.0	4.352	0.0108	mg/L	0.25%

Mean Data

ID: 526811 Seq. No.: 51 Sample No.: 31 A/S Pos: 39
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:00:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4356774.6	1.070	0.0030	mg/L				0.28%
g 328.068	-2642.5	-0.0066	0.00036	mg/L				5.46%
l .215	1664158.8	93.89	0.085	mg/L				0.09%
s .979	-21.6	0.0244	0.00124	mg/L				5.07%
249.773	25882.4	0.2548	0.00259	mg/L				1.02%
a 233.527	156234.8	1.677	0.0174	mg/L				1.04%
e 313.107	-1372.7	0.0006	0.00001	mg/L				1.68%
a 315.887	25273354.3	188.0	1.04	mg/L				0.55%
d 226.502	874.6	0.0045	0.00002	mg/L				0.35%
o 228.616	704.2	0.0376	0.00005	mg/L				0.14%
r 267.716	12926.2	0.1062	0.00056	mg/L				0.53%
u 324.754	29209.5	0.1172	0.00120	mg/L				1.02%
e 238.863	2252528.9	94.62	0.090	mg/L				0.09%
404.721	497.4	27.22	0.327	mg/L				1.20%
g 279.079	763798.8	40.90	0.036	mg/L				0.09%
n 257.610	865927.5	2.096	0.0007	mg/L				0.03%
o 202.030	234.8	0.0153	0.00022	mg/L				1.41%
a 330.237	2327.0	2.081	0.0255	mg/L				1.23%
i 231.604	2038.3	0.0609	0.00024	mg/L				0.39%
b 220.353	1653.0	0.3140	0.00294	mg/L				0.94%
b 206.833	28.7	-0.0022	0.00042	mg/L				19.54%
e 196.026	-19.0	0.0015	0.00111	mg/L				74.76%
n 189.933	7022.9	0.7878	0.00214	mg/L				0.27%
i 334.941	1235924.7	2.646	0.0007	mg/L				0.02%
l 190.800	-60.0	-0.0222	0.00057	mg/L				2.54%
292.402	42821.4	0.1889	0.00192	mg/L				1.02%
n 206.191	54364.7	0.8227	0.00739	mg/L				0.90%

Mean Data

ID: 526812 Seq. No.: 52 Sample No.: 32 A/S Pos: 40
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:06:31 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
030	4408402.3	1.083	0.0026	mg/L				0.24%
g .068	-2886.1	-0.0080	0.00012	mg/L				1.54%
l 308.215	1969051.4	111.2	0.07	mg/L				0.07%
s 188.979	-27.0	0.0245	0.00083	mg/L				3.40%
249.773	27888.5	0.2828	0.00198	mg/L				0.70%

Ba 233.527	268167.9	2.879	0.0167	mg/L	0.58%
Be 313.107	-2850.9	0.0004	0.00001	mg/L	2.95%
Ca 315.887	36323805.6	270.2	0.51	mg/L	0.19%
Cd 226.502	909.8	0.0038	0.00012	mg/L	3.23%
Co 228.616	860.6	0.0439	0.00030	mg/L	0.69%
Cr 267.716	25569.5	0.2103	0.00071	mg/L	0.34%
Cu 324.754	33449.4	0.1357	0.00114	mg/L	0.84%
Fe 238.863	2666022.4	112.0	0.02	mg/L	0.02%
K 404.721	1073.9	38.22	1.500	mg/L	3.92%
Mg 279.079	1000091.8	53.56	0.002	mg/L	0.00%
Mn 257.610	959119.1	2.321	0.0010	mg/L	0.04%
Mo 202.030	268.6	0.0174	0.00009	mg/L	0.49%
Na 330.237	3895.5	4.439	0.0811	mg/L	1.83%
Ni 231.604	2704.0	0.0790	0.00059	mg/L	0.75%
Pb 220.353	2800.8	0.5303	0.00399	mg/L	0.75%
Sb 206.833	26.1	-0.0033	0.00092	mg/L	28.04%
Se 196.026	-16.6	0.0024	0.00000	mg/L	0.14%
Sn 189.933	7708.0	0.8652	0.00319	mg/L	0.37%
Ti 334.941	1544566.0	3.307	0.0010	mg/L	0.03%
Tl 190.800	-64.3	-0.0248	0.00230	mg/L	9.29%
V 292.402	46580.9	0.2059	0.00130	mg/L	0.63%
Zn 206.191	22991.0	0.3478	0.00237	mg/L	0.68%

Mean Data ----------

ID: 526813 Seq. No.: 53 Sample No.: 33 A/S Pos: 41
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:12:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4518511.3	1.110	0.0045	mg/L				0.40%
Ag 328.068	-2662.8	-0.0067	0.00013	mg/L				1.89%
Al 308.215	1992366.7	112.5	0.09	mg/L				0.08%
As 188.979	-23.6	0.0248	0.00038	mg/L				1.54%
B 249.773	26264.6	0.2601	0.00180	mg/L				0.69%
Ba 233.527	185983.0	1.996	0.0022	mg/L				0.11%
Be 313.107	-4356.8	0.0001	0.00000	mg/L				0.03%
Ca 315.887	26193622.2	194.8	1.41	mg/L				0.72%
Cd 226.502	804.8	0.0033	0.00009	mg/L				2.75%
Co 228.616	839.5	0.0430	0.00013	mg/L				0.31%
Cr 267.716	9287.4	0.0762	0.00017	mg/L				0.22%
Cu 324.754	20536.0	0.0793	0.00002	mg/L				0.02%
Fe 238.863	2447343.2	102.8	0.04	mg/L				0.04%
K 404.721	1420.0	42.15	0.145	mg/L				0.34%
Mg 279.079	1073860.1	57.51	0.017	mg/L				0.03%
Mn 257.610	917777.9	2.221	0.0003	mg/L				0.01%
Mo 202.030	62.7	0.0043	0.00063	mg/L				14.66%
Na 330.237	4626.3	5.538	0.0168	mg/L				0.30%
Ni 231.604	2078.6	0.0620	0.00024	mg/L				0.39%
Pb 220.353	405.5	0.0820	0.00081	mg/L				0.99%
Sb 206.833	25.1	-0.0038	0.00118	mg/L				31.27%
Se 196.026	-20.0	0.0011	0.00288	mg/L				262.29%
Sn 189.933	7829.6	0.8789	0.00335	mg/L				0.38%
Ti 334.941	1653898.9	3.541	0.0012	mg/L				0.03%
Tl 190.800	-61.0	-0.0228	0.00176	mg/L				7.72%
V 292.402	49627.1	0.2196	0.00085	mg/L				0.39%
Zn 206.191	19997.0	0.3025	0.00063	mg/L				0.21%

Mean Data ----------

ID: 526814 Seq. No.: 54 Sample No.: 34 A/S Pos: 42
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:17:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4586110.4	1.127	0.0100	mg/L				0.88%
Ag 328.068	-2582.6	-0.0063	0.00022	mg/L				3.57%
Al 308.215	1893663.1	106.9	0.07	mg/L				0.06%
As 188.979	-27.0	0.0221	0.00060	mg/L				2.72%
B 249.773	25225.0	0.2456	0.00268	mg/L				1.09%
Ba 233.527	171140.0	1.837	0.0016	mg/L				0.09%
Be 313.107	-5401.1	0.0000	0.00001	mg/L				16.10%
Ca 315.887	24641543.5	183.3	0.60	mg/L				0.33%

d 226.502	776.6	0.0032	0.00007 mg/L		2.16%
o 228.616	797.5	0.0413	0.00034 mg/L		0.81%
r .716	8805.2	0.0722	0.00054 mg/L		0.74%
.754	19433.6	0.0745	0.00006 mg/L		0.08%
e .863	2357828.3	99.04	0.056 mg/L		0.06%
404.721	1229.7	38.79	0.181 mg/L		0.47%
g 279.079	1016080.1	54.42	0.010 mg/L		0.02%
n 257.610	874767.8	2.117	0.0007 mg/L		0.03%
o 202.030	47.7	0.0033	0.00017 mg/L		5.10%
a 330.237	4374.2	5.159	0.0505 mg/L		0.98%
i 231.604	1988.2	0.0596	0.00046 mg/L		0.78%
b 220.353	337.3	0.0688	0.00024 mg/L		0.35%
b 206.833	24.0	-0.0042	0.00029 mg/L		6.77%
e 196.026	-15.3	0.0030	0.00086 mg/L		29.08%
n 189.933	7633.2	0.8567	0.00644 mg/L		0.75%
i 334.941	1616424.0	3.461	0.0044 mg/L		0.13%
l 190.800	-59.0	-0.0217	0.00264 mg/L		12.19%
292.402	48756.1	0.2157	0.00047 mg/L		0.22%
n 206.191	20675.0	0.3128	0.00220 mg/L		0.70%

Mean Data ----------

ID: 526815 Seq. No.: 55 Sample No.: 35 A/S Pos: 43
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:23:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4504419.8	1.107	0.0022	mg/L				0.20%
Ag 328.068	-2524.4	-0.0059	0.00004	mg/L				0.66%
Al 308.215	1747977.7	98.64	0.063	mg/L				0.06%
As 188.979	-24.3	0.0223	0.00034	mg/L				1.52%
B 249.773	21931.3	0.1996	0.00022	mg/L				0.11%
Ba 233.527	199727.2	2.144	0.0032	mg/L				0.15%
Be 313.107	-727.9	0.0007	0.00001	mg/L				1.19%
Ca 315.887	18493138.9	137.6	1.40	mg/L				1.01%
Cd .502	1107.0	0.0070	0.00002	mg/L				0.30%
Co .616	807.9	0.0418	0.00001	mg/L				0.03%
Cr 267.716	11768.2	0.0966	0.00019	mg/L				0.19%
Cu 324.754	26765.8	0.1065	0.00044	mg/L				0.42%
Fe 238.863	2184878.1	91.78	0.017	mg/L				0.02%
K 404.721	559.4	27.77	1.501	mg/L				5.41%
Mg 279.079	777624.6	41.64	0.010	mg/L				0.02%
Mn 257.610	1078074.0	2.609	0.0004	mg/L				0.02%
Mo 202.030	51.4	0.0035	0.00001	mg/L				0.24%
Na 330.237	4430.5	5.244	0.0639	mg/L				1.22%
Ni 231.604	2207.6	0.0655	0.00012	mg/L				0.18%
Pb 220.353	9076.8	1.704	0.0004	mg/L				0.03%
Sb 206.833	28.6	-0.0022	0.00113	mg/L				51.33%
Se 196.026	-15.7	0.0028	0.00072	mg/L				25.83%
Sn 189.933	6970.5	0.7819	0.00170	mg/L				0.22%
Ti 334.941	1307009.8	2.799	0.0008	mg/L				0.03%
Tl 190.800	-68.7	-0.0274	0.00105	mg/L				3.83%
V 292.402	42689.7	0.1883	0.00040	mg/L				0.21%
Zn 206.191	739956.7	11.20	0.010	mg/L				0.09%

Mean Data ----------

ID: 526816 Seq. No.: 56 Sample No.: 36 A/S Pos: 44
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:28:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4485581.3	1.102	0.0007	mg/L				0.06%
Ag 328.068	-2478.1	-0.0057	0.00002	mg/L				0.42%
Al 308.215	1705801.8	96.25	0.077	mg/L				0.08%
As 188.979	-15.3	0.0275	0.00001	mg/L				0.02%
B 249.773	22465.0	0.2071	0.00011	mg/L				0.05%
B 3.527	147369.0	1.582	0.0033	mg/L				0.21%
B 3.107	-2694.4	0.0004	0.00001	mg/L				1.81%
Ca 315.887	18127320.0	134.8	0.03	mg/L				0.02%
Cd 226.502	1692.8	0.0129	0.00009	mg/L				0.67%
Co 228.616	748.3	0.0394	0.00010	mg/L				0.26%
Cr 267.716	13805.7	0.1134	0.00009	mg/L				0.08%

Cu 324.754	37708.0	0.1542	0.00090	mg/L	0.58%
Fe 238.863	2168312.2	91.08	0.005	mg/L	0.00%
K [illegible].721	587.3	28.09	1.593	mg/L	5.67%
M [illegible].079	808181.6	43.28	0.011	mg/L	0.02%
Mn [illegible]7.610	888198.8	2.150	0.0015	mg/L	0.07%
Mo 202.030	45.7	0.0032	0.00045	mg/L	14.22%
Na 330.237	4705.5	5.657	0.2704	mg/L	4.78%
Ni 231.604	2023.8	0.0605	0.00021	mg/L	0.35%
Pb 220.353	2641.4	0.4993	0.00097	mg/L	0.19%
Sb 206.833	33.8	0.0001	0.00434	mg/L	>999.9%
Se 196.026	-22.8	0.0000	0.00077	mg/L	>999.9%
Sn 189.933	7150.4	0.8022	0.00046	mg/L	0.06%
Ti 334.941	1359656.8	2.911	0.0020	mg/L	0.07%
Tl 190.800	-62.5	-0.0237	0.00087	mg/L	3.68%
V 292.402	43187.8	0.1905	0.00057	mg/L	0.30%
Zn 206.191	768325.2	11.63 LR	0.008	mg/L	0.07%

Mean Data ----------

ID: 526816L Seq. No.: 57 Sample No.: 37 A/S Pos: 45
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:34:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4586788.2	1.127	0.0009	mg/L				0.08%
Ag 328.068	-1694.1	-0.0012	0.00007	mg/L				6.41%
Al 308.215	340905.0	18.98	0.040	mg/L				0.21%
As 188.979	-26.7	0.0038	0.00146	mg/L				38.76%
B 249.773	12574.7	0.0690	0.00148	mg/L				2.15%
Ba 233.527	30465.4	0.3265	0.00178	mg/L				0.55%
Be 313.107	-4333.0	0.0001	0.00000	mg/L				0.71%
Ca 315.887	3745182.7	27.85	0.005	mg/L				0.02%
Cd 226.502	268.9	0.0039	0.00003	mg/L				0.65%
Co 228.616	-2.6	0.0093	0.00044	mg/L				4.73%
Cr [illegible]67.716	2886.5	0.0235	0.00004	mg/L				0.18%
C [illegible].754	8977.3	0.0289	0.00018	mg/L				0.61%
Fe [illegible].863	461018.3	19.37	0.015	mg/L				0.08%
K 404.721	-175.0	6.928	0.0172	mg/L				0.25%
Mg 279.079	166455.1	8.899	0.0450	mg/L				0.51%
Mn 257.610	184953.0	0.4481	0.00160	mg/L				0.36%
Mo 202.030	-0.2	0.0002	0.00004	mg/L				14.56%
Na 330.237	1599.9	0.9873	0.02846	mg/L				2.88%
Ni 231.604	293.5	0.0134	0.00012	mg/L				0.87%
Pb 220.353	572.7	0.1042	0.00043	mg/L				0.42%
Sb 206.833	30.3	-0.0014	0.00059	mg/L				40.83%
Se 196.026	-17.1	0.0022	0.00017	mg/L				7.41%
Sn 189.933	2411.6	0.2671	0.00046	mg/L				0.17%
Ti 334.941	274508.6	0.5887	0.00154	mg/L				0.26%
Tl 190.800	-30.9	-0.0050	0.00063	mg/L				12.82%
V 292.402	9455.1	0.0383	0.00006	mg/L				0.16%
Zn 206.191	164737.9	2.493	0.0206	mg/L				0.82%

Mean Data ----------

ID: CCV Seq. No.: 58 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:39:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4513331.2	1.109	0.0098	mg/L				0.88%
Ag 328.068	85778.2	0.5024	0.00020	mg/L				0.04%
Al 308.215	181691.2	9.962	0.0070	mg/L				0.07%
As 188.979	1696.6	1.016	0.0104	mg/L				1.02%
B 249.773	186517.6	2.498	0.0149	mg/L				0.60%
Ba 233.527	967591.6	10.39	0.009	mg/L				0.08%
Be 313.107	1507838.5	0.2515	0.00031	mg/L				0.12%
Ca 315.887	3433989.7	25.54	0.026	mg/L				0.10%
C [illegible]6.502	50340.1	0.5081	0.00029	mg/L				0.06%
C [illegible].616	63997.5	2.571	0.0012	mg/L				0.05%
Cr [illegible]67.716	61233.8	0.5041	0.00043	mg/L				0.09%
Cu 324.754	291922.3	1.263	0.0039	mg/L				0.31%
Fe 238.863	123065.4	5.175	0.0020	mg/L				0.04%
K 404.721	1382.3	27.61	0.022	mg/L				0.08%

*QC exceeds upper limit for K 404.721	Recovery = 110.45%	Action = Continue			
Mg 279.079	468993.5	25.11	0.028	mg/L	0.11%
Mn 257.610	316539.6	0.7665	0.00088	mg/L	0.12%
M .030	37844.0	2.422	0.0058	mg/L	0.24%
Na 0.237	16832.8	23.89	0.295	mg/L	1.24%
Ni 231.604	75347.7	2.056	0.0008	mg/L	0.04%
Pb 220.353	2709.3	0.5042	0.00523	mg/L	1.04%
Sb 206.833	10964.5	4.897	0.0386	mg/L	0.79%
Se 196.026	1244.8	0.4999	0.00760	mg/L	1.52%
Sn 189.933	45720.7	5.158	0.0220	mg/L	0.43%
Ti 334.941	1171673.7	2.509	0.0049	mg/L	0.20%
Tl 190.800	1698.1	1.023	0.0103	mg/L	1.01%
V 292.402	565135.3	2.546	0.0036	mg/L	0.14%
Zn 206.191	67849.4	1.027	0.0038	mg/L	0.37%

Mean Data

ID: CCB Seq. No.: 59 Sample No.: 9 A/S Pos: 5
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:44:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4444199.2	1.092	0.0082	mg/L				0.75%
Ag 328.068	-1484.8	0.0001	0.00003	mg/L				59.77%
Al 308.215	5258.7	-0.0270	0.00095	mg/L				3.50%
As 188.979	-33.2	0.0000	0.00183	mg/L				>999.9%
B 249.773	9590.7	0.0273	0.00304	mg/L				11.12%
Ba 233.527	347.0	0.0032	0.00037	mg/L				11.71%
Be 313.107	-4490.5	0.0001	0.00002	mg/L				15.06%
Ca 315.887	4956.2	0.0264	0.00106	mg/L				4.00%
Cd 226.502	-111.0	0.0001	0.00001	mg/L				11.23%
Co 228.616	-194.3	0.0017	0.00035	mg/L				21.12%
Cr 267.716	41.9	0.0000	0.00000	mg/L				11.04%
Cu 324.754	2942.5	0.0026	0.00055	mg/L				21.36%
Fe 238.863	1607.0	0.0736	0.00365	mg/L				4.96%
K 721	-249.4	3.181	0.9268	mg/L				29.13%
*(xceeds upper limit for K 404.721	Action = Continue							
Mg 279.079	934.6	0.0312	0.00417	mg/L				13.35%
Mn 257.610	698.9	0.0023	0.00002	mg/L				0.84%
Mo 202.030	2.7	0.0004	0.00031	mg/L				71.37%
Na 330.237	850.3	-0.1399	0.02362	mg/L				16.88%
Ni 231.604	-149.0	0.0014	0.00010	mg/L				7.01%
Pb 220.353	18.7	0.0005	0.00084	mg/L				174.89%
Sb 206.833	72.3	0.0174	0.00504	mg/L				28.98%
*QC exceeds upper limit for Sb 206.833	Action = Continue							
Se 196.026	-22.1	0.0003	0.00407	mg/L				>999.9%
Sn 189.933	109.4	0.0071	0.00057	mg/L				8.06%
Ti 334.941	-19.2	0.0011	0.00020	mg/L				18.23%
Tl 190.800	-18.2	0.0026	0.00038	mg/L				14.51%
V 292.402	848.6	-0.0005	0.00008	mg/L				16.07%
Zn 206.191	560.3	0.0083	0.00079	mg/L				9.55%

Mean Data

ID: 526394 1/10C Seq. No.: 60 Sample No.: 38 A/S Pos: 46
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:49:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4523742.0	1.111	0.0153	mg/L				1.38%
Ag 328.068	-1567.9	-0.0004	0.00037	mg/L				87.49%
Al 308.215	5758.4	0.0012	0.03229	mg/L				>999.9%
As 188.979	-33.0	0.0000	0.00172	mg/L				>999.9%
B 249.773	9181.3	0.0216	0.00091	mg/L				4.21%
Ba 233.527	2.8	-0.0005	0.00008	mg/L				15.03%
Be 313.107	-4787.4	0.0001	0.00002	mg/L				42.30%
Ca 315.887	7524.7	0.0455	0.00015	mg/L				0.33%
Cd 6.502	40.8	0.0017	0.00002	mg/L				1.20%
Co .616	-181.8	0.0022	0.00030	mg/L				13.75%
Cr 7.716	231.8	0.0016	0.00039	mg/L				24.35%
Cu 324.754	2191.8	-0.0007	0.00004	mg/L				5.40%
Fe 238.863	371510.9	15.61	0.024	mg/L				0.16%
K 404.721	-315.4	4.315	0.7201	mg/L				16.69%

rpt

ı 279.079	1311.7	0.0514	0.00008	mg/L	0.15%
ı 257.610	38183.9	0.0930	0.00234	mg/L	2.51%
ı 030	-12.1	-0.0005	0.00004	mg/L	8.52%
ı 237	2795.9	2.786	0.0600	mg/L	2.15%
ı 231.604	128.6	0.0089	0.00025	mg/L	2.79%
ı 220.353	19.8	0.0007	0.00057	mg/L	84.65%
ı 206.833	36.9	0.0015	0.00012	mg/L	7.61%
ı 196.026	-26.1	-0.0013	0.00320	mg/L	248.28%
ı 189.933	74.6	0.0032	0.00041	mg/L	13.12%
ı 334.941	-287.3	0.0005	0.00003	mg/L	5.83%
ı 190.800	-20.6	0.0012	0.00117	mg/L	95.59%
292.402	1475.4	0.0023	0.00014	mg/L	6.18%
ı 206.191	719286.3	10.89	0.012	mg/L	0.11%

ean Data

D: 526394D 1/100 Seq. No.: 61 Sample No.: 39 A/S Pos: 47
ample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 8:54:59 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4546862.9	1.117	0.0117	mg/L				1.05%
g 328.068	-1550.2	-0.0003	0.00004	mg/L				11.24%
l 308.215	5405.3	-0.0187	0.00627	mg/L				33.44%
s 188.979	-31.5	0.0009	0.00050	mg/L				53.97%
249.773	8502.1	0.0121	0.00012	mg/L				0.97%
a 233.527	-14.6	-0.0007	0.00009	mg/L				12.15%
e 313.107	-4795.5	0.0001	0.00001	mg/L				14.22%
a 315.887	8021.1	0.0492	0.00165	mg/L				3.36%
d 226.502	52.5	0.0018	0.00003	mg/L				1.56%
o 228.616	-178.2	0.0023	0.00009	mg/L				4.10%
r 267.716	245.4	0.0017	0.00001	mg/L				0.87%
u 324.754	2181.7	-0.0007	0.00002	mg/L				2.73%
e 238.863	389783.6	16.38	0.014	mg/L				0.09%
721	-392.1	3.271	0.7883	mg/L				24.10%
g .079	1243.5	0.0478	0.00108	mg/L				2.27%
n ..610	40070.2	0.0976	0.00074	mg/L				0.76%
o 202.030	-13.0	-0.0006	0.00005	mg/L				8.27%
a 330.237	2894.7	2.934	0.0280	mg/L				0.96%
i 231.604	180.5	0.0104	0.00015	mg/L				1.49%
b 220.353	24.6	0.0016	0.00014	mg/L				8.67%
b 206.833	35.3	0.0008	0.00023	mg/L				28.23%
e 196.026	-23.6	-0.0003	0.00252	mg/L				827.26%
n 189.933	66.7	0.0023	0.00002	mg/L				1.02%
i 334.941	-328.5	0.0004	0.00002	mg/L				5.16%
l 190.800	-22.5	0.0000	0.00027	mg/L				540.91%
292.402	1535.7	0.0026	0.00005	mg/L				1.87%
n 206.191	755609.4	11.44	0.004	mg/L				0.03%

lean Data

D: 526394S 1/100 Seq. No.: 62 Sample No.: 40 A/S Pos: 48
ample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:00:07 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4534149.3	1.114	0.0050	mg/L				0.45%
g 328.068	-1474.3	0.0001	0.00004	mg/L				35.69%
l 308.215	5768.6	0.0018	0.00321	mg/L				176.24%
s 188.979	-31.6	0.0009	0.00138	mg/L				155.72%
249.773	8762.2	0.0157	0.00100	mg/L				6.38%
a 233.527	1928.2	0.0201	0.00012	mg/L				0.58%
e 313.107	-1950.6	0.0005	0.00001	mg/L				2.27%
a 315.887	9796.4	0.0624	0.00455	mg/L				7.29%
d 226.502	100.1	0.0022	0.00000	mg/L				0.10%
o 228.616	-50.6	0.0074	0.00003	mg/L				0.39%
r 267.716	445.7	0.0034	0.00025	mg/L				7.50%
u .754	2809.8	0.0020	0.00024	mg/L				12.17%
e ..863	370514.9	15.57	0.013	mg/L				0.08%
404.721	-389.2	3.203	0.6877	mg/L				21.47%
g 279.079	1606.7	0.0672	0.00098	mg/L				1.46%
n 257.610	39936.5	0.0973	0.00082	mg/L				0.84%
o 202.030	59.5	0.0041	0.00007	mg/L				1.65%

Na 330.237	2965.3	3.040	0.0438	mg/L	1.44%
Ni 231.604	314.0	0.0140	0.00009	mg/L	0.64%
Pb 220.353	47.6	0.0059	0.00020	mg/L	3.34%
Sb 206.833	43.4	0.0045	0.00088	mg/L	19.75%
Se 196.026	5.0	0.0109	0.00031	mg/L	2.82%
Sn 189.933	70.5	0.0027	0.00012	mg/L	4.42%
Ti 334.941	1980.6	0.0054	0.00001	mg/L	0.23%
Tl 190.800	9.5	0.0191	0.00144	mg/L	7.54%
V 292.402	2639.9	0.0076	0.00030	mg/L	3.99%
Zn 206.191	719225.2	10.89	0.019	mg/L	0.17%

Mean Data

ID: 526394A Seq. No.: 63 Sample No.: 41 A/S Pos: 49
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:05:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4429544.4	1.088	0.0040	mg/L				0.37%
Ag 328.068	7011.5	0.0490	0.00004	mg/L				0.08%
Al 308.215	40298.7	1.957	0.0208	mg/L				1.06%
As 188.979	30.2	0.0372	0.00009	mg/L				0.24%
B 249.773	80375.0	1.016	0.0067	mg/L				0.66%
Ba 233.527	192678.3	2.068	0.0144	mg/L				0.70%
Be 313.107	284693.7	0.0482	0.00002	mg/L				0.04%
Ca 315.887	276785.6	2.049	0.0129	mg/L				0.63%
Cd 226.502	5181.9	0.0534	0.00008	mg/L				0.16%
Co 228.616	12934.0	0.5271	0.00583	mg/L				1.11%
Cr 267.716	24184.0	0.1989	0.00147	mg/L				0.74%
Cu 324.754	58796.5	0.2462	0.00276	mg/L				1.12%
Fe 238.863	392178.2	16.48	0.015	mg/L				0.09%
K 404.721	900.1	22.63	1.602	mg/L				7.08%
Mg 279.079	38270.7	2.031	0.0143	mg/L				0.71%
Mn 257.610	246756.7	0.5977	0.00029	mg/L				0.05%
Mo 202.030	7354.7	0.4709	0.00215	mg/L				0.46%
Na 330.237	15057.2	21.22	0.403	mg/L				1.90%
Ni 231.604	19463.4	0.5352	0.00326	mg/L				0.61%
Pb 220.353	2763.2	0.5142	0.00277	mg/L				0.54%
Sb 206.833	1115.8	0.4848	0.00541	mg/L				1.11%
Se 196.026	2600.6	1.035	0.0021	mg/L				0.21%
Sn 189.933	682.3	0.0718	0.00048	mg/L				0.66%
Ti 334.941	225380.0	0.4835	0.00093	mg/L				0.19%
Tl 190.800	3388.8	2.028	0.0056	mg/L				0.28%
V 292.402	110689.7	0.4952	0.00344	mg/L				0.70%
Zn 206.191	728163.8	11.02	0.009	mg/L				0.08%

Mean Data

ID: 526394L Seq. No.: 64 Sample No.: 42 A/S Pos: 50
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:10:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4557466.7	1.120	0.0020	mg/L				0.18%
Ag 328.068	-1493.1	0.0000	0.00007	mg/L				>999.9%
Al 308.215	5302.6	-0.0246	0.00178	mg/L				7.25%
As 188.979	-28.8	0.0025	0.00052	mg/L				20.84%
B 249.773	7037.3	-0.0084	0.00279	mg/L				33.28%
Ba 233.527	33.6	-0.0002	0.00006	mg/L				26.79%
Be 313.107	-4704.9	0.0001	0.00001	mg/L				8.06%
Ca 315.887	1226.9	-0.0014	0.00290	mg/L				214.53%
Cd 226.502	-80.2	0.0004	0.00001	mg/L				1.33%
Co 228.616	-196.4	0.0016	0.00012	mg/L				7.59%
Cr 267.716	72.0	0.0003	0.00005	mg/L				18.36%
Cu 324.754	2234.2	-0.0005	0.00013	mg/L				24.70%
Fe 238.863	73914.7	3.111	0.0053	mg/L				0.17%
K 404.721	-314.0	2.213	0.5885	mg/L				26.59%
Mg 279.079	649.8	0.0159	0.00338	mg/L				21.18%
Mn 257.610	7427.4	0.0186	0.00002	mg/L				0.11%
Mo 202.030	-2.3	0.0001	0.00015	mg/L				136.88%
Na 330.237	1060.0	0.1753	0.12110	mg/L				69.08%
Ni 231.604	-106.7	0.0025	0.00014	mg/L				5.47%
Pb 220.353	19.5	0.0006	0.00090	mg/L				144.29%

Sb 206.833	37.9	0.0020	0.00039	mg/L	19.44%
Se 196.026	-24.9	-0.0008	0.00074	mg/L	89.17%
Sn 189.933	53.3	0.0007	0.00026	mg/L	35.59%
T 4.941	-323.2	0.0004	0.00007	mg/L	16.46%
1 0.800	-20.4	0.0013	0.00151	mg/L	114.34%
V 292.402	998.4	0.0002	0.00005	mg/L	28.39%
Zn 206.191	143309.4	2.169	0.0032	mg/L	0.15%

Mean Data

ID: 526855 Seq. No.: 65 Sample No.: 43 A/S Pos: 51
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:15:42 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4549139.4	1.118	0.0026	mg/L				0.23%
Ag 328.068	-2592.2	-0.0063	0.00011	mg/L				1.81%
Al 308.215	1209292.8	68.14	0.021	mg/L				0.03%
As 188.979	-25.4	0.0305	0.00312	mg/L				10.24%
B 249.773	15837.5	0.1145	0.00023	mg/L				0.20%
Ba 233.527	31525.8	0.3379	0.00058	mg/L				0.17%
Be 313.107	8901.4	0.0023	0.00002	mg/L				0.73%
Ca 315.887	2512031.0	18.68	0.029	mg/L				0.16%
Cd 226.502	971.2	0.0028	0.00002	mg/L				0.88%
Co 228.616	1489.4	0.0690	0.00028	mg/L				0.41%
Cr 267.716	12608.9	0.1035	0.00013	mg/L				0.13%
Cu 324.754	21201.3	0.0822	0.00056	mg/L				0.68%
Fe 238.863	3301435.2	138.7	0.14	mg/L				0.10%
K 404.721	-1019.5	10.50	0.283	mg/L				2.69%
Mg 279.079	574707.6	30.77	0.079	mg/L				0.26%
Mn 257.610	815742.5	1.986	0.0041	mg/L				0.21%
Mo 202.030	88.1	0.0059	0.00141	mg/L				23.86%
Na 330.237	1265.1	1.015	0.0043	mg/L				0.43%
Ni 231.604	5122.8	0.1449	0.00008	mg/L				0.05%
Pb 220.353	381.0	0.0738	0.00082	mg/L				1.11%
S' 6.833	27.5	-0.0027	0.00149	mg/L				55.60%
S 6.026	-15.9	0.0027	0.00230	mg/L				84.10%
Sn d9.933	6088.9	0.6823	0.00166	mg/L				0.24%
Ti 334.941	460447.9	0.9866	0.00503	mg/L				0.51%
Tl 190.800	-62.3	-0.0236	0.00006	mg/L				0.27%
V 292.402	33798.4	0.1482	0.00054	mg/L				0.36%
Zn 206.191	26911.3	0.4071	0.00007	mg/L				0.02%

Mean Data

ID: 527030 Seq. No.: 66 Sample No.: 44 A/S Pos: 52
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:21:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4644482.1	1.141	0.0005	mg/L				0.05%
Ag 328.068	-2536.1	-0.0060	0.00022	mg/L				3.68%
Al 308.215	1224701.0	69.01	0.036	mg/L				0.05%
As 188.979	-19.4	0.0324	0.00122	mg/L				3.78%
B 249.773	14788.1	0.0999	0.00099	mg/L				0.99%
Ba 233.527	40640.3	0.4358	0.00565	mg/L				1.30%
Be 313.107	9285.2	0.0024	0.00003	mg/L				1.10%
Ca 315.887	3166390.7	23.54	0.016	mg/L				0.07%
Cd 226.502	936.5	0.0030	0.00001	mg/L				0.37%
Co 228.616	1533.4	0.0708	0.00000	mg/L				0.01%
Cr 267.716	13018.2	0.1069	0.00138	mg/L				1.30%
Cu 324.754	27404.9	0.1093	0.00157	mg/L				1.44%
Fe 238.863	3103407.2	130.4	0.05	mg/L				0.04%
K 404.721	-992.7	9.771	0.2615	mg/L				2.68%
Mg 279.079	602733.7	32.27	0.024	mg/L				0.08%
Mn 257.610	695626.3	1.695	0.0006	mg/L				0.03%
Mo 202.030	70.0	0.0047	0.00037	mg/L				7.83%
Na 330.237	1160.3	0.3262	0.09739	mg/L				29.85%
N 1.604	5190.1	0.1467	0.00071	mg/L				0.49%
P. 0.353	835.0	0.1589	0.00141	mg/L				0.89%
Sb 206.833	22.4	-0.0050	0.00243	mg/L				48.95%
Se 196.026	-16.9	0.0023	0.00049	mg/L				21.22%
Sn 189.933	6133.4	0.6874	0.00318	mg/L				0.46%

Ti 334.941	451082.1	0.9666	0.00018	mg/L	0.02%
Tl 190.800	-53.1	-0.0181	0.00104	mg/L	5.71%
V 292.402	33742.7	0.1479	0.00200	mg/L	1.35%
Zn 206.191	29417.0	0.4451	0.00568	mg/L	1.28%

Mean Data

ID: CRI Seq. No.: 67 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:26:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4567311.4	1.122	0.0059	mg/L				0.53%
Ag 328.068	1838.4	0.0192	0.00017	mg/L				0.90%
Al 308.215	5203.4	-0.0302	0.00299	mg/L				9.90%
As 188.979	7.0	0.0236	0.00085	mg/L				3.62%
B 249.773	6637.5	-0.0140	0.00051	mg/L				3.68%
Ba 233.527	101.9	0.0005	0.00001	mg/L				2.27%
Be 313.107	54634.7	0.0099	0.00001	mg/L				0.08%
Ca 315.887	6152.8	0.0353	0.00011	mg/L				0.32%
Cd 226.502	901.8	0.0103	0.00008	mg/L				0.80%
Co 228.616	2447.3	0.1074	0.00037	mg/L				0.35%
Cr 267.716	2509.3	0.0204	0.00005	mg/L				0.26%
Cu 324.754	13215.3	0.0474	0.00067	mg/L				1.42%
Fe 238.863	2055.1	0.0924	0.00548	mg/L				5.92%
K 404.721	-294.1	2.511	0.8900	mg/L				35.44%
Mg 279.079	329.9	-0.0012	0.00138	mg/L				115.14%
Mn 257.610	13504.0	0.0333	0.00008	mg/L				0.23%
Mo 202.030	-4.0	0.0000	0.00000	mg/L				155.52%
Na 330.237	841.5	-0.1532	0.00703	mg/L				4.59%
Ni 231.604	2930.8	0.0852	0.00031	mg/L				0.36%
Pb 220.353	50.1	0.0063	0.00080	mg/L				12.66%
Sb 206.833	297.9	0.1185	0.00061	mg/L				0.51%
Se 196.026	0.7	0.0093	0.00065	mg/L				7.06%
Sn 189.933	50.5	0.0004	0.00024	mg/L				56.23%
Ti 334.941	-257.7	0.0006	0.00002	mg/L				3.12%
Tl 190.800	13.6	0.0215	0.00095	mg/L				4.43%
V 292.402	23162.8	0.1002	0.00035	mg/L				0.35%
Zn 206.191	2896.5	0.0437	0.00001	mg/L				0.02%

Mean Data

ID: ICSA Seq. No.: 68 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:31:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4033217.5	0.991	0.0011	mg/L				0.11%
Ag 328.068	-3597.5	-0.0121	0.00022	mg/L				1.85%
Al 308.215	9122661.7	516.2	1.67	mg/L				0.32%
As 188.979	-74.6	0.0099	0.00163	mg/L				16.48%
B 249.773	15964.6	0.1163	0.00028	mg/L				0.24%
Ba 233.527	-387.0	-0.0047	0.00006	mg/L				1.36%
Be 313.107	-5599.6	-0.0001	0.00001	mg/L				10.44%
Ca 315.887	62840635.7	467.5	1.55	mg/L				0.33%
Cd 226.502	1571.3	0.0062	0.00000	mg/L				0.08%
Co 228.616	-214.0	0.0009	0.00007	mg/L				7.65%
Cr 267.716	718.3	0.0056	0.00001	mg/L				0.20%
Cu 324.754	-106.6	0.0005	0.00016	mg/L				33.82%
Fe 238.863	4361187.8	183.2	0.12	mg/L				0.06%
K 404.721	-1989.8	2.023	1.0530	mg/L				52.04%
Mg 279.079	9652667.6	517.1	1.68	mg/L				0.33%
Mn 257.610	-3749.2	0.0074	0.00007	mg/L				0.91%
Mo 202.030	35.1	0.0025	0.00011	mg/L				4.38%
Na 330.237	663.3	-0.2815	0.00369	mg/L				1.31%
Ni 231.604	-138.0	0.0017	0.00012	mg/L				7.18%
Pb 220.353	-204.7	-0.0030	0.00055	mg/L				18.43%
Sb 206.833	20.9	-0.0057	0.00417	mg/L				73.61%
Se 196.026	10.2	0.0037	0.00220	mg/L				59.02%
Sn 189.933	13243.2	-0.4938	0.00362	mg/L				0.73%
Ti 334.941	-3190.8	-0.0057	0.00008	mg/L				1.47%
Tl 190.800	-46.9	-0.0144	0.00415	mg/L				28.77%
V 292.402	9704.1	0.0394	0.00009	mg/L				0.24%

Zn 206.191	1441.1	0.0076	0.00048	mg/L		6.31%

Mean Data ----------

I CSAB Seq. No.: 69 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:37:56 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3964077.6	0.974	0.0004	mg/L				0.04%
Ag 328.068	191222.5	1.109	0.0022	mg/L				0.20%
Al 308.215	9289540.0	525.6	2.28	mg/L				0.43%
As 188.979	-88.2	0.0024	0.00384	mg/L				158.95%
B 249.773	16038.0	0.1173	0.00121	mg/L				1.03%
Ba 233.527	49903.1	0.5352	0.00088	mg/L				0.16%
Be 313.107	3029325.3	0.5044	0.00026	mg/L				0.05%
Ca 315.887	64093228.2	476.8	2.10	mg/L				0.44%
Cd 226.502	95687.2	0.9537	0.00195	mg/L				0.20%
Co 228.616	11736.0	0.4792	0.00076	mg/L				0.16%
Cr 267.716	60763.0	0.5002	0.00166	mg/L				0.33%
Cu 324.754	126406.4	0.5526	0.00323	mg/L				0.59%
Fe 238.863	4433810.6	186.2	0.24	mg/L				0.13%
K 404.721	-2014.7	2.065	1.6585	mg/L				80.33%
Mg 279.079	9847436.8	527.6	2.18	mg/L				0.41%
Mn 257.610	205150.4	0.5131	0.00192	mg/L				0.37%
Mo 202.030	41.2	0.0029	0.00033	mg/L				11.52%
Na 330.237	884.7	0.0519	0.01032	mg/L				19.88%
Ni 231.604	33930.2	0.9290	0.00020	mg/L				0.02%
Pb 220.353	4918.1	0.9567	0.00124	mg/L				0.13%
Sb 206.833	24.9	-0.0038	0.00050	mg/L				13.07%
Se 196.026	15.9	0.0058	0.00032	mg/L				5.60%
Sn 189.933	13491.5	-0.5057	0.00783	mg/L				1.55%
Ti 334.941	-3174.5	-0.0057	0.00008	mg/L				1.41%
Tl 190.800	-56.4	-0.0201	0.00073	mg/L				3.64%
V 292.402	121533.8	0.5441	0.00228	mg/L				0.42%
Zn 206.191	63449.2	0.9459	0.00517	mg/L				0.55%

Mean Data ----------

ID: CCV Seq. No.: 70 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:43:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4393499.7	1.079	0.0070	mg/L				0.65%
Ag 328.068	86282.4	0.5053	0.00547	mg/L				1.08%
Al 308.215	183108.5	10.04	0.112	mg/L				1.11%
As 188.979	1694.0	1.015	0.0082	mg/L				0.81%
B 249.773	184183.5	2.465	0.0194	mg/L				0.79%
Ba 233.527	969451.3	10.41	0.005	mg/L				0.04%
Be 313.107	1512583.7	0.2523	0.00008	mg/L				0.03%
Ca 315.887	3443118.6	25.60	0.008	mg/L				0.03%
Cd 226.502	51051.2	0.5152	0.00515	mg/L				1.00%
Co 228.616	64254.6	2.581	0.0303	mg/L				1.18%
Cr 267.716	61526.1	0.5065	0.00612	mg/L				1.21%
Cu 324.754	295409.5	1.278	0.0126	mg/L				0.98%
Fe 238.863	124834.4	5.249	0.0717	mg/L				1.37%
K 404.721	1299.5	26.37	1.298	mg/L				4.92%
Mg 279.079	473888.6	25.37	0.294	mg/L				1.16%
Mn 257.610	316656.3	0.7668	0.00997	mg/L				1.30%
Mo 202.030	38418.2	2.459	0.0247	mg/L				1.00%
Na 330.237	17009.9	24.16	0.202	mg/L				0.84%
Ni 231.604	76105.0	2.077	0.0206	mg/L				0.99%
Pb 220.353	2758.1	0.5133	0.00359	mg/L				0.70%
Sb 206.833	11022.3	4.923	0.0152	mg/L				0.31%
Se 196.026	1265.1	0.5080	0.00402	mg/L				0.79%
Sn 189.933	46008.7	5.190	0.0501	mg/L				0.97%
Ti 334.941	1164037.8	2.493	0.0008	mg/L				0.03%
Tl 190.800	1731.3	1.043	0.0067	mg/L				0.64%
V 292.402	562619.1	2.535	0.0005	mg/L				0.02%
Zn 206.191	67455.5	1.021	0.0125	mg/L				1.23%

Mean Data ----------

): CCB Seq. No.: 71 Sample No.: 9 A/S Pos: 5
ımple Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 9:48:47 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4436109.7	1.090	0.0117	mg/L				1.08%
g 328.068	-1446.0	0.0003	0.00048	mg/L				172.65%
l 308.215	5376.6	-0.0204	0.00474	mg/L				23.26%
s 188.979	-29.4	0.0022	0.00076	mg/L				35.08%
249.773	6824.4	-0.0113	0.00511	mg/L				45.02%
a 233.527	380.6	0.0035	0.00047	mg/L				13.24%
e 313.107	-4330.1	0.0001	0.00001	mg/L				5.06%
a 315.887	5343.0	0.0293	0.01085	mg/L				37.06%
d 226.502	-104.9	0.0002	0.00002	mg/L				8.62%
o 228.616	-186.1	0.0020	0.00000	mg/L				0.03%
r 267.716	80.0	0.0003	0.00016	mg/L				48.06%
u 324.754	2906.6	0.0024	0.00086	mg/L				35.81%
e 238.863	2095.1	0.0941	0.00764	mg/L				8.12%
404.721	-333.6	1.920	0.0830	mg/L				4.32%
g 279.079	1251.3	0.0482	0.00701	mg/L				14.54%
n 257.610	218.0	0.0012	0.00004	mg/L				3.08%
o 202.030	13.7	0.0011	0.00034	mg/L				29.78%
a 330.237	829.1	-0.1718	0.05141	mg/L				29.92%
i 231.604	-128.6	0.0019	0.00011	mg/L				5.57%
b 220.353	19.4	0.0006	0.00000	mg/L				0.13%
b 206.833	74.2	0.0183	0.00433	mg/L				23.75%
QC exceeds upper limit for Sb 206.833 Action = Continue								
e 196.026	-21.9	0.0003	0.00076	mg/L				224.31%
n 189.933	120.9	0.0084	0.00091	mg/L				10.82%
i 334.941	-105.9	0.0009	0.00022	mg/L				24.95%
l 190.800	-17.2	0.0032	0.00045	mg/L				13.87%
292.402	891.3	-0.0003	0.00013	mg/L				38.66%
n 206.191	92.8	0.0012	0.00027	mg/L				21.70%

le ata
D: 7356 1/100 Seq. No.: 72 Sample No.: 45 A/S Pos: 53
ample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 100.0
Data: Original Date: 02/06/02 9:53:55 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4603582.7	1.131	0.0048	mg/L				0.42%
g 328.068	-1595.1	-0.0006	0.00011	mg/L				19.55%
l 308.215	19772.2	0.7946	0.00155	mg/L				0.20%
s 188.979	-31.3	0.0010	0.00030	mg/L				29.68%
249.773	7192.7	-0.0062	0.00166	mg/L				26.71%
a 233.527	1262.6	0.0130	0.00014	mg/L				1.08%
e 313.107	-4658.0	0.0001	0.00001	mg/L				14.10%
a 315.887	133041.8	0.9792	0.00522	mg/L				0.53%
d 226.502	74.8	0.0020	0.00000	mg/L				0.07%
o 228.616	-129.1	0.0043	0.00004	mg/L				0.93%
r 267.716	9306.9	0.0763	0.00047	mg/L				0.61%
u 324.754	7670.3	0.0232	0.00006	mg/L				0.25%
Fe 238.863	524792.8	22.05	0.003	mg/L				0.01%
K 404.721	-521.6	2.102	0.9297	mg/L				44.23%
Mg 279.079	8028.7	0.4113	0.00030	mg/L				0.07%
Mn 257.610	61449.1	0.1493	0.00033	mg/L				0.22%
Mo 202.030	12.2	0.0010	0.00024	mg/L				22.75%
Na 330.237	682.9	-0.3917	0.07234	mg/L				18.46%
Ni 231.604	422.9	0.0170	0.00001	mg/L				0.06%
Pb 220.353	246.1	0.0430	0.00084	mg/L				1.96%
Sb 206.833	34.5	0.0004	0.00007	mg/L				14.58%
Se 196.026	-17.2	0.0022	0.00087	mg/L				39.26%
Sn 189.933	211.3	0.0186	0.00006	mg/L				0.30%
Ti 334.941	5987.8	0.0139	0.00020	mg/L				1.44%
Tl 190.800	-22.7	-0.0001	0.00051	mg/L				923.18%
V 402	3887.6	0.0132	0.00017	mg/L				1.25%
Zn 3.191	7789.9	0.1177	0.00032	mg/L				0.27%

Mean Data
ID: 527357 1/100 Seq. No.: 73 Sample No.: 46 A/S Pos: 54
Sample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 100.0

Data: Original Date: 02/06/02 9:59:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
371.030	4513049.4	1.109	0.0088	mg/L				0.80%
g 328.068	-1544.3	-0.0003	0.00057	mg/L				197.60%
l 308.215	38137.9	1.834	0.0250	mg/L				1.36%
s 188.979	-26.8	0.0037	0.00075	mg/L				20.39%
249.773	6457.7	-0.0165	0.00029	mg/L				1.75%
a 233.527	1660.5	0.0173	0.00003	mg/L				0.18%
e 313.107	-4902.2	0.0000	0.00000	mg/L				10.83%
a 315.887	1581347.4	11.75	0.002	mg/L				0.02%
d 226.502	-43.5	0.0008	0.00004	mg/L				5.33%
o 228.616	-175.4	0.0024	0.00006	mg/L				2.53%
r 267.716	488.5	0.0037	0.00002	mg/L				0.41%
u 324.754	2785.4	0.0019	0.00015	mg/L				7.75%
e 238.863	197346.0	8.295	0.1377	mg/L				1.66%
404.721	-425.3	0.5471	1.08469	mg/L				198.25%
g 279.079	14162.3	0.7399	0.01894	mg/L				2.56%
n 257.610	58036.4	0.1411	0.00230	mg/L				1.63%
o 202.030	3.2	0.0005	0.00005	mg/L				9.93%
a 330.237	920.8	-0.0340	0.11184	mg/L				329.24%
i 231.604	-17.1	0.0050	0.00005	mg/L				1.03%
b 220.353	38.6	0.0042	0.00024	mg/L				5.64%
b 206.833	32.7	-0.0004	0.00116	mg/L				330.75%
e 196.026	-27.5	-0.0019	0.00060	mg/L				32.03%
n 189.933	211.6	0.0186	0.00003	mg/L				0.16%
i 334.941	12915.2	0.0288	0.00050	mg/L				1.75%
l 190.800	-22.5	0.0001	0.00023	mg/L				294.13%
292.402	1773.7	0.0037	0.00015	mg/L				4.17%
n 206.191	8194.6	0.1239	0.00244	mg/L				1.97%

lean Data

:D: 527358 1/100 Seq. No.: 74 Sample No.: 47 A/S Pos: 55
Sample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 100.0
Data: Original Date: 02/06/02 10:04:07 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Al 371.030	4564769.8	1.122	0.0006	mg/L				0.05%
Mg 328.068	-1556.6	-0.0004	0.00007	mg/L				19.56%
Al 308.215	9692.4	0.2240	0.00710	mg/L				3.17%
As 188.979	-29.2	0.0023	0.00084	mg/L				36.69%
B 249.773	6124.2	-0.0211	0.00076	mg/L				3.62%
Ba 233.527	559.8	0.0054	0.00001	mg/L				0.17%
Be 313.107	-5475.0	-0.0001	0.00000	mg/L				7.45%
Ca 315.887	72076.5	0.5257	0.00218	mg/L				0.41%
Cd 226.502	603.2	0.0073	0.00002	mg/L				0.27%
Co 228.616	-197.6	0.0015	0.00019	mg/L				12.42%
Cr 267.716	4523.3	0.0369	0.00056	mg/L				1.51%
Cu 324.754	3365.2	0.0044	0.00018	mg/L				4.18%
Fe 238.863	305282.9	12.83	0.093	mg/L				0.73%
K 404.721	-491.6	-0.4457	0.02143	mg/L				4.81%
Mg 279.079	1488.8	0.0609	0.00547	mg/L				8.98%
Mn 257.610	27246.7	0.0666	0.00061	mg/L				0.92%
Mo 202.030	-17.1	-0.0008	0.00035	mg/L				41.34%
Na 330.237	4927.2	5.990	0.1398	mg/L				2.33%
Ni 231.604	-66.5	0.0036	0.00021	mg/L				5.83%
Pb 220.353	956.9	0.1761	0.00071	mg/L				0.40%
Sb 206.833	38.5	0.0023	0.00000	mg/L				0.10%
Se 196.026	-19.8	0.0012	0.00111	mg/L				93.22%
Sn 189.933	66.2	0.0022	0.00020	mg/L				9.12%
Ti 334.941	39556.9	0.0858	0.00027	mg/L				0.31%
Tl 190.800	-21.1	0.0009	0.00178	mg/L				196.14%
V 292.402	1562.9	0.0027	0.00004	mg/L				1.30%
Zn 206.191	1392470.2	21.08	0.024	mg/L				0.12%

l Data

1. 527359 1/100 Seq. No.: 75 Sample No.: 48 A/S Pos: 56
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 100.0
Data: Original Date: 02/06/02 10:09:09 PM

Element	Mean Corr.	Mean	Calib	Mean	Sample

lement	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
.371.030	4597912.8	1.130	0.0079	mg/L				0.70%
g 068	-1463.6	0.0002	0.00023	mg/L				132.81%
l 215	71273.5	3.710	0.0624	mg/L				1.68%
s 188.979	-28.2	0.0028	0.00104	mg/L				36.44%
249.773	5287.7	-0.0328	0.00025	mg/L				0.75%
a 233.527	53343.7	0.5722	0.00560	mg/L				0.98%
e 313.107	-4820.4	0.0001	0.00002	mg/L				28.76%
a 315.887	61769.1	0.4490	0.00574	mg/L				1.28%
d 226.502	-51.7	0.0007	0.00005	mg/L				7.00%
o 228.616	-191.2	0.0018	0.00005	mg/L				3.07%
r 267.716	261.8	0.0018	0.00015	mg/L				8.14%
u 324.754	2282.2	-0.0003	0.00005	mg/L				16.00%
e 238.863	5211.2	0.2250	0.00345	mg/L				1.53%
404.721	-336.3	1.880	1.4755	mg/L				78.49%
g 279.079	1119.4	0.0411	0.00554	mg/L				13.47%
n 257.610	671.1	0.0023	0.00001	mg/L				0.29%
o 202.030	-12.4	-0.0005	0.00001	mg/L				2.06%
a 330.237	2908.9	2.956	0.0525	mg/L				1.78%
i 231.604	-146.5	0.0015	0.00009	mg/L				6.50%
b 220.353	181.3	0.0309	0.00061	mg/L				1.97%
b 206.833	30.8	-0.0012	0.00059	mg/L				49.11%
e 196.026	-23.3	-0.0002	0.00128	mg/L				636.04%
n 189.933	57.1	0.0012	0.00071	mg/L				60.34%
i 334.941	1733.0	0.0048	0.00001	mg/L				0.26%
l 190.800	-18.7	0.0023	0.00049	mg/L				21.26%
292.402	975.3	0.0001	0.00009	mg/L				170.44%
n 206.191	722679.8	10.94	0.037	mg/L				0.34%

lean Data
D: 999991 Seq. No.: 76 Sample No.: 49 A/S Pos: 57
ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 10:14:09 PM

l t	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
.030	4493489.6	1.104	0.0027	mg/L				0.24%
g 328.068	-1500.1	0.0000	0.00003	mg/L				86.24%
l 308.215	5646.2	-0.0051	0.01152	mg/L				225.50%
s 188.979	-27.1	0.0035	0.00282	mg/L				80.72%
249.773	5056.4	-0.0360	0.00082	mg/L				2.28%
a 233.527	34.6	-0.0002	0.00014	mg/L				69.55%
e 313.107	-4855.7	0.0000	0.00001	mg/L				20.77%
a 315.887	-567.1	-0.0147	0.00186	mg/L				12.68%
d 226.502	-114.4	0.0001	0.00002	mg/L				17.43%
o 228.616	-202.3	0.0013	0.00004	mg/L				2.93%
r 267.716	48.0	0.0001	0.00033	mg/L				433.55%
u 324.754	2210.6	-0.0006	0.00004	mg/L				6.22%
Fe 238.863	435.0	0.0244	0.00162	mg/L				6.63%
K 404.721	-436.5	0.3796	1.50815	mg/L				397.34%
Mg 279.079	804.4	0.0242	0.01016	mg/L				41.95%
Mn 257.610	-182.7	0.0002	0.00001	mg/L				7.31%
Mo 202.030	-4.6	0.0000	0.00012	mg/L				314.35%
Na 330.237	677.2	-0.4002	0.05305	mg/L				13.26%
Ni 231.604	-172.9	0.0007	0.00012	mg/L				16.35%
Pb 220.353	18.1	0.0004	0.00024	mg/L				63.65%
Sb 206.833	33.1	-0.0002	0.00205	mg/L				>999.9%
Se 196.026	-20.6	0.0009	0.00165	mg/L				188.26%
Sn 189.933	54.2	0.0009	0.00031	mg/L				36.12%
Ti 334.941	-423.2	0.0002	0.00005	mg/L				25.78%
Tl 190.800	-21.2	0.0009	0.00061	mg/L				70.27%
V 292.402	854.1	-0.0005	0.00011	mg/L				22.54%
Zn 206.191	819.1	0.0122	0.00217	mg/L				17.80%

Mean Data
ID: 999992 Seq. No.: 77 Sample No.: 50 A/S Pos: 58
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 10:19:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4519279.9	1.110	0.0063	mg/L				0.57%
Ag 328.068	-1452.0	0.0002	0.00010	mg/L				42.63%

Al 308.215	5358.8	-0.0214	0.00247	mg/L	11.56%
As 188.979	-27.9	0.0030	0.00006	mg/L	1.84%
B 249.773	4881.4	-0.0385	0.00020	mg/L	0.53%
Ba .527	29.3	-0.0003	0.00002	mg/L	8.60%
Be .107	-4850.4	0.0000	0.00001	mg/L	14.07%
Ca 315.887	-943.1	-0.0175	0.00013	mg/L	0.74%
Cd 226.502	-109.9	0.0001	0.00004	mg/L	29.04%
Co 228.616	-203.5	0.0013	0.00012	mg/L	9.52%
Cr 267.716	27.2	-0.0001	0.00020	mg/L	209.22%
Cu 324.754	2162.2	-0.0008	0.00013	mg/L	15.28%
Fe 238.863	382.3	0.0222	0.00119	mg/L	5.38%
K 404.721	-410.3	0.7721	0.28546	mg/L	36.97%
Mg 279.079	841.5	0.0262	0.00845	mg/L	32.23%
Mn 257.610	-179.2	0.0002	0.00001	mg/L	3.75%
Mo 202.030	-4.3	0.0000	0.00004	mg/L	273.54%
Na 330.237	647.0	-0.4456	0.01060	mg/L	2.38%
Ni 231.604	-169.0	0.0008	0.00004	mg/L	4.62%
Pb 220.353	17.3	0.0002	0.00036	mg/L	160.97%
Sb 206.833	32.4	-0.0005	0.00016	mg/L	31.47%
Se 196.026	-19.1	0.0015	0.00113	mg/L	76.78%
Sn 189.933	57.9	0.0013	0.00033	mg/L	26.50%
Ti 334.941	-432.1	0.0002	0.00008	mg/L	44.91%
Tl 190.800	-21.3	0.0008	0.00031	mg/L	41.66%
V 292.402	778.6	-0.0008	0.00007	mg/L	8.12%
Zn 206.191	298.6	0.0043	0.00003	mg/L	0.74%

Mean Data ----------

ID: 999993 Seq. No.: 78 Sample No.: 51 A/S Pos: 59
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 10:24:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4401274.4	1.081	0.0002	mg/L				0.02%
Ag 328.068	-1532.2	-0.0002	0.00015	mg/L				69.30%
Al .215	5673.9	-0.0035	0.00230	mg/L				65.06%
As .979	-29.2	0.0023	0.00046	mg/L				20.31%
B 249.773	4966.2	-0.0373	0.00059	mg/L				1.58%
Ba 233.527	27.8	-0.0003	0.00004	mg/L				13.64%
Be 313.107	-4972.6	0.0000	0.00001	mg/L				26.01%
Ca 315.887	-724.5	-0.0159	0.00214	mg/L				13.46%
Cd 226.502	-115.5	0.0001	0.00001	mg/L				10.06%
Co 228.616	-211.0	0.0010	0.00004	mg/L				3.60%
Cr 267.716	53.9	0.0001	0.00026	mg/L				206.82%
Cu 324.754	2254.1	-0.0004	0.00020	mg/L				45.49%
Fe 238.863	319.2	0.0195	0.00076	mg/L				3.89%
K 404.721	-395.7	0.9907	0.26214	mg/L				26.46%
Mg 279.079	920.7	0.0305	0.00936	mg/L				30.73%
Mn 257.610	-190.0	0.0002	0.00002	mg/L				9.53%
Mo 202.030	-4.8	0.0000	0.00001	mg/L				27.84%
Na 330.237	665.6	-0.4177	0.04828	mg/L				11.56%
Ni 231.604	-176.9	0.0006	0.00004	mg/L				6.33%
Pb 220.353	15.1	-0.0002	0.00009	mg/L				43.60%
Sb 206.833	31.0	-0.0011	0.00020	mg/L				17.76%
Se 196.026	-21.8	0.0004	0.00083	mg/L				203.75%
Sn 189.933	53.7	0.0008	0.00015	mg/L				18.75%
Ti 334.941	-457.7	0.0001	0.00004	mg/L				26.88%
Tl 190.800	-21.0	0.0010	0.00112	mg/L				114.22%
V 292.402	848.5	-0.0005	0.00006	mg/L				12.05%
Zn 206.191	195.5	0.0028	0.00006	mg/L				2.17%

Mean Data ----------

ID: CRI Seq. No.: 79 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/06/02 10:29:13 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y .030	4482028.4	1.101	0.0024	mg/L				0.22%
Ag .8.068	1804.2	0.0190	0.00001	mg/L				0.06%
Al 308.215	5388.7	-0.0197	0.00250	mg/L				12.69%
As 188.979	3.0	0.0212	0.00098	mg/L				4.63%
B 249.773	5011.1	-0.0367	0.00041	mg/L				1.11%

a 233.527	109.8	0.0006	0.00008 mg/L		12.93%
e 313.107	55188.7	0.0100	0.00001 mg/L		0.08%
a [illegible].887	6251.3	0.0360	0.00046 mg/L		1.28%
d .502	907.4	0.0104	0.00008 mg/L		0.73%
o [illegible].616	2449.1	0.1075	0.00086 mg/L		0.80%
r 267.716	2513.1	0.0204	0.00015 mg/L		0.73%
u 324.754	13251.9	0.0475	0.00035 mg/L		0.73%
e 238.863	1637.4	0.0749	0.00420 mg/L		5.62%
404.721	-313.1	2.227	0.9318 mg/L		41.84%
g 279.079	774.9	0.0226	0.00365 mg/L		16.11%
n 257.610	12986.7	0.0321	0.00004 mg/L		0.11%
o 202.030	12.9	0.0011	0.00011 mg/L		10.57%
a 330.237	779.9	-0.2458	0.10775 mg/L		43.83%
i 231.604	2981.6	0.0866	0.00058 mg/L		0.67%
b 220.353	52.4	0.0068	0.00043 mg/L		6.35%
b 206.833	300.8	0.1197	0.00008 mg/L		0.07%
e 196.026	3.5	0.0104	0.00074 mg/L		7.18%
n 189.933	63.6	0.0019	0.00007 mg/L		3.57%
i 334.941	-399.4	0.0003	0.00004 mg/L		14.21%
l 190.800	15.5	0.0226	0.00004 mg/L		0.16%
292.402	23271.1	0.1007	0.00003 mg/L		0.03%
n 206.191	3263.8	0.0492	0.00039 mg/L		0.79%

Mean Data ----------

ID: ICSA Seq. No.: 80 Sample No.: 6 A/S Pos: 7

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 10:34:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4038605.2	0.992	0.0071	mg/L				0.71%
Ag 328.068	-3626.7	-0.0123	0.00024	mg/L				1.98%
Al 308.215	9037279.4	511.3	3.64	mg/L				0.71%
As 188.979	-74.9	0.0095	0.00199	mg/L				20.84%
B 249.773	13848.5	0.0867	0.00228	mg/L				2.63%
Ba [illegible].527	-389.3	-0.0048	0.00017	mg/L				3.52%
Be [illegible].107	-5611.0	-0.0001	0.00001	mg/L				8.23%
Ca 315.887	62484548.4	464.8	3.38	mg/L				0.73%
Cd 226.502	1556.1	0.0061	0.00020	mg/L				3.35%
Co 228.616	-211.1	0.0010	0.00012	mg/L				12.48%
Cr 267.716	721.1	0.0056	0.00010	mg/L				1.80%
Cu 324.754	-114.5	0.0004	0.00020	mg/L				50.08%
Fe 238.863	4344134.7	182.5	0.31	mg/L				0.17%
K 404.721	-1974.7	2.151	2.4491	mg/L				113.86%
Mg 279.079	9588231.4	513.7	3.66	mg/L				0.71%
Mn 257.610	-4139.8	0.0064	0.00010	mg/L				1.52%
Mo 202.030	64.1	0.0044	0.00028	mg/L				6.38%
Na 330.237	656.6	-0.2910	0.02633	mg/L				9.05%
Ni 231.604	-131.6	0.0019	0.00008	mg/L				4.32%
Pb 220.353	-203.5	-0.0031	0.00001	mg/L				0.18%
Sb 206.833	20.6	-0.0058	0.00169	mg/L				29.28%
Se 196.026	14.5	0.0055	0.00402	mg/L				73.26%
Sn 189.933	13208.1	-0.4845	0.00414	mg/L				0.86%
Ti 334.941	-3247.2	-0.0058	0.00000	mg/L				0.06%
Tl 190.800	-50.7	-0.0167	0.00055	mg/L				3.31%
V 292.402	9769.3	0.0397	0.00044	mg/L				1.12%
Zn 206.191	1637.4	0.0107	0.00075	mg/L				6.99%

Mean Data ----------

ID: ICSAB Seq. No.: 81 Sample No.: 7 A/S Pos: 8

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 10:40:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3985506.6	0.979	0.0048	mg/L				0.49%
Ag 328.068	190331.0	1.104	0.0101	mg/L				0.91%
A[illegible] 08.215	9233762.6	522.4	2.91	mg/L				0.56%
[illegible] 8.979	-85.6	0.0038	0.00103	mg/L				27.06%
B [illegible]9.773	14214.1	0.0918	0.00153	mg/L				1.66%
Ba 233.527	49702.2	0.5331	0.00639	mg/L				1.20%
Be 313.107	3029996.6	0.5045	0.00017	mg/L				0.03%
Ca 315.887	63750272.6	474.2	2.70	mg/L				0.57%

Cd 226.502	95768.1	0.9545	0.01041	mg/L	1.09%
Co 228.616	11522.3	0.4706	0.00161	mg/L	0.34%
Cr [illegible].716	60231.1	0.4958	0.00402	mg/L	0.81%
Cu [illegible].754	126042.1	0.5509	0.00911	mg/L	1.65%
Fe [illegible].863	4413121.0	185.4	0.18	mg/L	0.10%
K 404.721	-2180.3	-0.5331	0.24008	mg/L	45.04%
Mg 279.079	9786732.3	524.3	2.90	mg/L	0.55%
Mn 257.610	202444.6	0.5065	0.00468	mg/L	0.92%
Mo 202.030	55.3	0.0038	0.00033	mg/L	8.55%
Na 330.237	848.5	-0.0028	0.02582	mg/L	934.38%
Ni 231.604	33473.9	0.9166	0.00264	mg/L	0.29%
Pb 220.353	4871.5	0.9478	0.00314	mg/L	0.33%
Sb 206.833	25.0	-0.0038	0.00113	mg/L	29.60%
Se 196.026	-5.1	-0.0024	0.00270	mg/L	110.24%
Sn 189.933	13391.5	-0.5046	0.00335	mg/L	0.66%
Ti 334.941	-3203.5	-0.0057	0.00000	mg/L	0.05%
Tl 190.800	-58.0	-0.0210	0.00372	mg/L	17.68%
V 292.402	120958.0	0.5415	0.00524	mg/L	0.97%
Zn 206.191	63269.2	0.9432	0.01000	mg/L	1.06%

Mean Data ----------

ID: CCV Seq. No.: 82 Sample No.: 8 A/S Pos: 4

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 10:46:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4397488.9	1.080	0.0020	mg/L				0.19%
Ag 328.068	86187.4	0.5047	0.00280	mg/L				0.55%
Al 308.215	183856.9	10.08	0.059	mg/L				0.59%
As 188.979	1666.3	0.9986	0.00564	mg/L				0.56%
B 249.773	182063.5	2.436	0.0279	mg/L				1.15%
Ba 233.527	968547.9	10.40	0.000	mg/L				0.00%
Be 313.107	1512569.4	0.2523	0.00000	mg/L				0.00%
Ca [illegible].887	3442816.1	25.60	0.015	mg/L				0.06%
Cd [illegible].502	51291.9	0.5177	0.00183	mg/L				0.35%
Co [illegible].616	63910.3	2.568	0.0131	mg/L				0.51%
Cr 267.716	61232.5	0.5041	0.00299	mg/L				0.59%
Cu 324.754	296347.6	1.283	0.0077	mg/L				0.60%
Fe 238.863	124514.5	5.236	0.0087	mg/L				0.17%
K 404.721	1251.3	25.65	0.604	mg/L				2.36%
Mg 279.079	475443.4	25.45	0.129	mg/L				0.51%
Mn 257.610	313892.5	0.7601	0.00513	mg/L				0.68%
Mo 202.030	38650.7	2.474	0.0160	mg/L				0.65%
Na 330.237	16874.2	23.96	0.157	mg/L				0.66%
Ni 231.604	76256.4	2.081	0.0114	mg/L				0.55%
Pb 220.353	2748.9	0.5116	0.00295	mg/L				0.58%
Sb 206.833	10859.7	4.850	0.0450	mg/L				0.93%
Se 196.026	1248.1	0.5013	0.00303	mg/L				0.60%
Sn 189.933	46029.1	5.193	0.0318	mg/L				0.61%
Ti 334.941	1153274.4	2.470	0.0033	mg/L				0.14%
Tl 190.800	1729.3	1.042	0.0076	mg/L				0.73%
V 292.402	558727.2	2.517	0.0006	mg/L				0.03%
Zn 206.191	67662.3	1.024	0.0048	mg/L				0.47%

Mean Data ----------

ID: CCB Seq. No.: 83 Sample No.: 9 A/S Pos: 5

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/06/02 10:51:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4441553.1	1.091	0.0110	mg/L				1.00%
Ag 328.068	-1476.4	0.0001	0.00013	mg/L				126.36%
Al 308.215	5402.3	-0.0189	0.00382	mg/L				20.22%
As 188.979	-27.0	0.0035	0.00112	mg/L				31.77%
B 249.773	5680.2	-0.0273	0.00313	mg/L				11.45%
Ba [illegible]3.527	437.6	0.0041	0.00037	mg/L				8.86%
Be [illegible]3.107	-4179.6	0.0002	0.00004	mg/L				25.64%
Ca [illegible]5.887	5613.2	0.0313	0.00960	mg/L				30.70%
Cd 226.502	-108.1	0.0002	0.00003	mg/L				21.49%
Co 228.616	-176.8	0.0024	0.00014	mg/L				6.10%
Cr 267.716	58.8	0.0002	0.00002	mg/L				9.85%

Cu	324.754	2950.3	0.0026	0.00095 mg/L	36.63%
Fe	238.863	1833.5	0.0831	0.00475 mg/L	5.72%
K	[illegible].721	-349.1	1.688	0.7424 mg/L	43.98%
M	[illegible].079	1526.3	0.0629	0.01088 mg/L	17.30%
Mn	[illegible]7.610	97.5	0.0009	0.00001 mg/L	1.35%
Mo	202.030	29.0	0.0021	0.00043 mg/L	20.53%
Na	330.237	746.9	-0.2955	0.04061 mg/L	13.75%
Ni	231.604	-124.0	0.0021	0.00016 mg/L	7.80%
Pb	220.353	22.7	0.0012	0.00053 mg/L	43.15%
Sb	206.833	75.6	0.0189	0.00385 mg/L	20.41%
*QC exceeds upper limit for Sb 206.833 Action = Continue					
Se	196.026	-23.9	-0.0004	0.00174 mg/L	412.44%
Sn	189.933	127.0	0.0091	0.00056 mg/L	6.13%
Ti	334.941	15.4	0.0011	0.00009 mg/L	7.88%
Tl	190.800	-19.1	0.0021	0.00121 mg/L	57.22%
V	292.402	914.6	-0.0002	0.00014 mg/L	65.36%
Zn	206.191	148.5	0.0021	0.00010 mg/L	4.68%

Metals Cover Page

Instrument: Optima 2

Analyst: SDeVito Date: 2/8/02

Data File: 2feb08 Reviewed By: SD 2/8/02

Entered By: SD 2/10/02 Manager Approval: 2/11/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems
74335 ✓	Pb Zn	M2680015	200.7		PQL Pb 0.150 mg/L
74347 ✓	Ag Al As(u) Ba Cd Cr Cu Fe Mn Ni Pb(diss) Se(u) Zn	M2680015	200.7		
74349 ✓	Pb Tl(u)	MS30072	60103		Report R 10478 to 5ppb 0.5mg/kg due to dilution 2/11/02

Package Data:

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
10459 ✓	Pkg 5 / ASP	Zn	—	MS30072	YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

alibration Summary
s' Method 200.7 misc Date: 02/08/02 12:46:31 PM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

ethod: Method 200.7 misc IEC: 012902.iec MSF:
esults: 2feb08 Spectra Stored: Yes Method Stored: Yes
ample Info: 2007 User: User1 Date: 02/08/02 12:46:31 PM
ethod Description: Optima 3000XL #2

ean Data
D: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 02/08/02 12:48:01 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD
371.030	3426984.6	2133.06	0.06%

lean Data
D: Calib Blank 1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 02/08/02 12:49:29 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
371.030	3413444.9	49610.97	1.45%	0.996	mg/L
g 328.068	-1596.4	29.30	1.84%	0	mg/L
l 308.215	4031.5	83.25	2.07%	0	mg/L
s 188.979	-28.9	4.94	17.09%	0	mg/L
a 233.527	66.5	3.34	5.02%	0	mg/L
a 315.887	903.1	91.68	10.15%	0	mg/L
.502	-195.3	1.49	0.76%	0	mg/L
.716	-111.5	4.95	4.44%	0	mg/L
u 324.754	1724.9	101.19	5.87%	0	mg/L
e 238.863	-432.6	16.01	3.70%	0	mg/L
g 279.079	-750.8	23.21	3.09%	0	mg/L
n 257.610	-305.3	6.84	2.24%	0	mg/L
i 231.604	-252.6	0.70	0.28%	0	mg/L
b 220.353	23.2	2.45	10.60%	0	mg/L
e 196.026	-29.9	3.72	12.45%	0	mg/L
l 190.800	-26.7	0.15	0.56%	0	mg/L
n 206.191	40.4	2.58	6.38%	0	mg/L

SK Vito 2/8/02

Mean Data
ID: Calib Std 1 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 02/08/02 12:54:27 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	3328687.9	26578.13	0.80%	0.971	mg/L
Ag 328.068	143046.0	1132.52	0.79%	1.0000	mg/L
Al 308.215	309523.0	2313.42	0.75%	20.0000	mg/L
As 188.979	2964.7	18.76	0.63%	2.0000	mg/L
Ba 233.527	1785875.5	638.18	0.04%	20.0000	mg/L
Ca 315.887	6531720.5	4358.77	0.07%	50.0000	mg/L
Cd 226.502	99752.4	958.60	0.96%	1.0000	mg/L
Cr 267.716	107601.5	963.45	0.90%	1.0000	mg/L
Cu 324.754	480411.6	3175.48	0.66%	2.5000	mg/L
Fe 238.863	218821.7	1724.07	0.79%	10.0000	mg/L
Mg 279.079	962848.8	671.57	0.07%	50.0000	mg/L
Mn 257.610	551394.3	733.92	0.13%	1.5000	mg/L
Ni 231.604	140796.2	1205.30	0.86%	4.0000	mg/L
Pb 220.353	5510.0	48.04	0.87%	1.0000	mg/L
Se 196.026	2429.8	18.05	0.74%	1.0000	mg/L
Tl 190.800	3181.6	20.68	0.65%	2.0000	mg/L
Zn 206.191	140253.3	1144.89	0.82%	2.0000	mg/L

Calibration Summary
Method: Method 200.7 misc Date: 02/08/02 12:55:43 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
A 9.068	1	Linear	-1596.4	144642.4	0.00000	1.000000
A. 8.215	1	Linear	4031.5	15274.6	0.00000	1.000000
As 188.979	1	Linear	-28.9	1496.8	0.00000	1.000000
Ba 233.527	1	Linear	66.5	89290.5	0.00000	1.000000
Ca 315.887	1	Linear	903.1	130616.3	0.00000	1.000000
Cd 226.502	1	Linear	-195.3	99947.7	0.00000	1.000000
Cr 267.716	1	Linear	-111.5	107713.0	0.00000	1.000000
Cu 324.754	1	Linear	1724.9	191474.7	0.00000	1.000000
Fe 238.863	1	Linear	-432.6	21925.4	0.00000	1.000000
Mg 279.079	1	Linear	-750.8	19272.0	0.00000	1.000000
Mn 257.610	1	Linear	-305.3	367799.7	0.00000	1.000000
Ni 231.604	1	Linear	-252.6	35262.2	0.00000	1.000000
Pb 220.353	1	Linear	23.2	5486.9	0.00000	1.000000
Se 196.026	1	Linear	-29.9	2459.6	0.00000	1.000000
Tl 190.800	1	Linear	-26.7	1604.2	0.00000	1.000000
Zn 206.191	1	Linear	40.4	70106.4	0.00000	1.000000

Mean Data ----------

ID: HIGH CHECK Seq. No.: 4 Sample No.: 10 A/S Pos: 2
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 12:59:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3305170.2	0.964	0.0107	mg/L				1.10%
Ag 328.068	145733.2	1.019	0.0306	mg/L				3.00%
Al 308.215	315645.6	20.40	0.648	mg/L				3.18%
As 188.979	2989.9	2.017	0.0344	mg/L				1.70%
Ba 233.527	1784258.3	19.98	0.013	mg/L				0.07%
Ca 315.887	6522860.6	49.93	0.014	mg/L				0.03%
Cd 226.502	101513.9	1.018	0.0315	mg/L				3.09%
Cr 267.716	109610.0	1.019	0.0303	mg/L				2.97%
C 4.754	489056.4	2.545	0.0753	mg/L				2.96%
F 8.863	222701.5	10.18	0.324	mg/L				3.18%
Mg 279.079	960932.2	49.90	0.014	mg/L				0.03%
Mn 257.610	550788.2	1.498	0.0019	mg/L				0.12%
Ni 231.604	143225.4	4.069	0.1277	mg/L				3.14%
Pb 220.353	5560.3	1.009	0.0139	mg/L				1.37%
Se 196.026	2450.8	1.009	0.0176	mg/L				1.75%
Tl 190.800	3216.2	2.022	0.0230	mg/L				1.14%
Zn 206.191	142574.6	2.033	0.0645	mg/L				3.17%

Mean Data ----------

ID: ICV Seq. No.: 5 Sample No.: 1 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:04:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3383691.0	0.987	0.0137	mg/L				1.39%
Ag 328.068	70529.3	0.4986	0.00139	mg/L				0.28%
Al 308.215	153885.1	9.811	0.0151	mg/L				0.15%
As 188.979	1467.0	0.9994	0.00909	mg/L				0.91%
Ba 233.527	903127.8	10.11	0.000	mg/L				0.00%
Ca 315.887	3251059.7	24.88	0.021	mg/L				0.08%
Cd 226.502	50618.5	0.5084	0.00128	mg/L				0.25%
Cr 267.716	54236.7	0.5046	0.00099	mg/L				0.20%
Cu 324.754	241711.5	1.253	0.0066	mg/L				0.53%
Fe 238.863	110539.4	5.061	0.0040	mg/L				0.08%
Mg 279.079	473596.3	24.61	0.007	mg/L				0.03%
Mn 257.610	275943.5	0.7511	0.00176	mg/L				0.23%
Ni 231.604	72531.9	2.064	0.0053	mg/L				0.26%
Pb 220.353	2809.3	0.5078	0.00729	mg/L				1.44%
Se 196.026	1191.9	0.4967	0.00613	mg/L				1.23%
T' 90.800	1640.9	1.040	0.0146	mg/L				1.41%
6.191	71409.9	1.018	0.0021	mg/L				0.21%

Mean Data ----------

ID: ICB Seq. No.: 6 Sample No.: 3 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/08/02 1:09:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y [illegible].030	3380965.8	0.987	0.0060	mg/L				0.60%
Ag 328.068	-1531.1	0.0005	0.00000	mg/L				0.21%
Al 308.215	4127.5	0.0063	0.00208	mg/L				33.16%
As 188.979	-31.4	-0.0017	0.00484	mg/L				281.37%
Ba 233.527	173.1	0.0012	0.00029	mg/L				24.26%
Ca 315.887	1429.6	0.0040	0.00057	mg/L				14.12%
Cd 226.502	-191.4	0.0000	0.00003	mg/L				81.27%
Cr 267.716	-109.8	0.0000	0.00000	mg/L				14.60%
Cu 324.754	2490.7	0.0040	0.00115	mg/L				28.69%
Fe 238.863	-446.8	-0.0006	0.00033	mg/L				50.49%
Mg 279.079	-739.2	0.0006	0.00069	mg/L				114.07%
Mn 257.610	-180.3	0.0003	0.00002	mg/L				6.12%
Ni 231.604	-245.3	0.0002	0.00010	mg/L				47.78%
Pb 220.353	28.7	0.0010	0.00067	mg/L				66.34%
Se 196.026	-26.4	0.0014	0.00194	mg/L				138.44%
Tl 190.800	-19.3	0.0046	0.00266	mg/L				57.39%
Zn 206.191	59.7	0.0003	0.00001	mg/L				3.01%

Mean Data

ID: CRI Seq. No.: 7 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:14:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3426717.1	1.000	0.0014	mg/L				0.14%
Ag 328.068	1174.6	0.0192	0.00026	mg/L				1.35%
Al 308.215	4054.9	0.0015	0.00244	mg/L				159.26%
As 188.979	-1.1	0.0186	0.00023	mg/L				1.22%
Ba 233.527	39.9	-0.0003	0.00015	mg/L				50.96%
Ca [illegible]15.887	506.0	-0.0030	0.00040	mg/L				13.19%
C [illegible]5.502	840.1	0.0104	0.00004	mg/L				0.37%
C. [illegible]7.716	2100.5	0.0205	0.00078	mg/L				3.81%
Cu 324.754	11312.8	0.0501	0.00072	mg/L				1.44%
Fe 238.863	-455.0	-0.0010	0.00205	mg/L				199.74%
Mg 279.079	-770.8	-0.0010	0.00024	mg/L				23.42%
Mn 257.610	11221.3	0.0313	0.00003	mg/L				0.09%
Ni 231.604	2795.3	0.0864	0.00034	mg/L				0.39%
Pb 220.353	63.1	0.0073	0.00013	mg/L				1.74%
Se 196.026	-3.5	0.0107	0.00201	mg/L				18.75%
Tl 190.800	10.5	0.0232	0.00047	mg/L				2.03%
Zn 206.191	2979.3	0.0419	0.00006	mg/L				0.14%

Mean Data

ID: ICSA Seq. No.: 8 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:19:24 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3130117.3	0.913	0.0045	mg/L				0.49%
Ag 328.068	-3644.3	-0.0142	0.00090	mg/L				6.33%
Al 308.215	7828819.5	512.3	3.28	mg/L				0.64%
As 188.979	-80.2	0.0010	0.00024	mg/L				25.12%
Ba 233.527	-368.0	-0.0049	0.00008	mg/L				1.67%
Ca 315.887	62400363.8	477.7	2.82	mg/L				0.59%
Cd 226.502	1155.1	0.0024	0.00010	mg/L				4.28%
Cr 267.716	688.6	0.0074	0.00004	mg/L				0.57%
Cu 324.754	-593.4	-0.0006	0.00011	mg/L				19.92%
Fe 238.863	4131411.1	188.4	0.02	mg/L				0.01%
Mg 279.079	9903156.7	513.9	3.09	mg/L				0.60%
Mn 257.610	-4777.4	0.0041	0.00000	mg/L				0.11%
Ni 231.604	-247.1	0.0002	0.00012	mg/L				74.84%
Pb [illegible]0.353	-238.4	-0.0097	0.00064	mg/L				6.61%
S [illegible]5.026	0.3	0.0030	0.00060	mg/L				19.79%
Tl [illegible]0.800	-61.4	-0.0216	0.00193	mg/L				8.92%
Zn 206.191	1380.0	0.0052	0.00014	mg/L				2.70%

Mean Data

ID: ICSAB Seq. No.: 9 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:25:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3255843.3	0.950	0.0026	mg/L				0.27%
Ag 328.068	150025.2	1.048	0.0051	mg/L				0.48%
Al 308.215	7495148.2	490.4	0.15	mg/L				0.03%
As 188.979	-83.5	-0.0024	0.00065	mg/L				27.18%
Ba 233.527	44766.3	0.5006	0.00347	mg/L				0.69%
Ca 315.887	59799358.7	457.8	0.58	mg/L				0.13%
Cd 226.502	92287.2	0.9145	0.00462	mg/L				0.51%
Cr 267.716	51644.3	0.4805	0.00359	mg/L				0.75%
Cu 324.754	96920.1	0.5083	0.00336	mg/L				0.66%
Fe 238.863	3997146.2	182.3	0.12	mg/L				0.07%
Mg 279.079	9486156.0	492.3	0.75	mg/L				0.15%
Mn 257.610	168516.3	0.4747	0.00285	mg/L				0.60%
Ni 231.604	31104.7	0.8893	0.00282	mg/L				0.32%
Pb 220.353	4823.2	0.9111	0.00531	mg/L				0.58%
Se 196.026	6.5	0.0060	0.00001	mg/L				0.18%
Tl 190.800	-61.0	-0.0214	0.00081	mg/L				3.79%
Zn 206.191	64750.9	0.9097	0.00621	mg/L				0.68%

Mean Data

ID: CCV Seq. No.: 10 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:30:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3399720.6	0.992	0.0079	mg/L				0.80%
Ag 328.068	70359.2	0.4975	0.00009	mg/L				0.02%
Al 308.215	155102.5	9.890	0.0455	mg/L				0.46%
As [illegible].979	1449.3	0.9875	0.00340	mg/L				0.34%
Ba [illegible].527	904834.6	10.13	0.007	mg/L				0.07%
Ca [illegible].887	3268415.5	25.02	0.065	mg/L				0.26%
Cd 226.502	50851.5	0.5107	0.00049	mg/L				0.10%
Cr 267.716	54137.1	0.5036	0.00004	mg/L				0.01%
Cu 324.754	240656.7	1.248	0.0046	mg/L				0.37%
Fe 238.863	111436.8	5.102	0.0230	mg/L				0.45%
Mg 279.079	476212.6	24.75	0.078	mg/L				0.31%
Mn 257.610	275479.6	0.7498	0.00019	mg/L				0.03%
Ni 231.604	72662.7	2.068	0.0026	mg/L				0.13%
Pb 220.353	2798.8	0.5059	0.00053	mg/L				0.10%
Se 196.026	1189.1	0.4956	0.00185	mg/L				0.37%
Tl 190.800	1624.7	1.029	0.0108	mg/L				1.05%
Zn 206.191	71554.1	1.020	0.0002	mg/L				0.02%

Mean Data

ID: CCB Seq. No.: 11 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:35:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3379806.9	0.986	0.0102	mg/L				1.03%
Ag 328.068	-1618.9	-0.0002	0.00002	mg/L				14.74%
Al 308.215	4213.3	0.0119	0.00452	mg/L				37.99%
As 188.979	-29.5	-0.0004	0.00008	mg/L				19.83%
Ba 233.527	182.7	0.0013	0.00045	mg/L				34.70%
Ca 315.887	2556.8	0.0127	0.00587	mg/L				46.39%
Cd 226.502	-189.5	0.0001	0.00003	mg/L				54.20%
Cr 267.716	-92.9	0.0002	0.00002	mg/L				11.76%
Cu 324.754	2375.7	0.0034	0.00122	mg/L				35.82%
Fe 238.863	-252.0	0.0082	0.00133	mg/L				16.12%
Mg 279.079	-577.1	0.0090	0.00719	mg/L				79.72%
Mn [illegible].610	-265.4	0.0001	0.00002	mg/L				19.85%
Ni [illegible].604	-244.3	0.0002	0.00015	mg/L				63.58%
Pb [illegible].353	29.5	0.0012	0.00035	mg/L				30.00%
Se 196.026	-30.7	-0.0004	0.00310	mg/L				850.90%
Tl 190.800	-25.1	0.0010	0.00072	mg/L				72.83%
Zn 206.191	67.3	0.0004	0.00002	mg/L				5.78%

Mean Data
ID W-M2680015 Seq. No.: 12 Sample No.: 1 A/S Pos: 9
Sa Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:40:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3482291.6	1.016	0.0085	mg/L				0.83%
Ag 328.068	-1544.5	0.0004	0.00004	mg/L				10.09%
Al 308.215	4015.1	-0.0011	0.00151	mg/L				139.78%
As 188.979	-33.2	-0.0029	0.00023	mg/L				8.14%
Ba 233.527	64.8	0.0000	0.00008	mg/L				409.77%
Ca 315.887	-1202.5	-0.0161	0.00079	mg/L				4.90%
Cd 226.502	-194.0	0.0000	0.00005	mg/L				368.98%
Cr 267.716	-95.4	0.0001	0.00006	mg/L				42.72%
Cu 324.754	1922.2	0.0010	0.00013	mg/L				12.46%
Fe 238.863	-358.0	0.0034	0.00085	mg/L				24.96%
Mg 279.079	-755.2	-0.0002	0.00154	mg/L				680.17%
Mn 257.610	-302.7	0.0000	0.00002	mg/L				298.51%
Ni 231.604	-252.3	0.0000	0.00021	mg/L				>999.9%
Pb 220.353	26.2	0.0006	0.00036	mg/L				64.26%
Se 196.026	-23.2	0.0027	0.00084	mg/L				31.14%
Tl 190.800	-28.3	-0.0010	0.00019	mg/L				19.26%
Zn 206.191	115.5	0.0011	0.00000	mg/L				0.17%

Mean Data
ID: LCSW-M2680015 Seq. No.: 13 Sample No.: 2 A/S Pos: 10
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:45:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3508573.1	1.024	0.0093	mg/L				0.90%
Ag [illegible]8.068	5580.2	0.0496	0.00076	mg/L				1.52%
A[illegible].215	33768.1	1.947	0.0054	mg/L				0.28%
As [illegible]8.979	21.8	0.0339 85%	0.00181	mg/L				5.34%
Ba 233.527	184042.0	2.060	0.0031	mg/L				0.15%
Ca 315.887	261304.7	1.994	0.0025	mg/L				0.13%
Cd 226.502	4964.1	0.0516	0.00054	mg/L				1.05%
Cr 267.716	21650.5	0.2020	0.00000	mg/L				0.00%
Cu 324.754	51823.8	0.2616	0.00091	mg/L				0.35%
Fe 238.863	22008.0	1.023	0.0020	mg/L				0.20%
Mg 279.079	37406.5	1.980	0.0004	mg/L				0.02%
Mn 257.610	184734.6	0.5031	0.00061	mg/L				0.12%
Ni 231.604	18397.1	0.5289	0.00063	mg/L				0.12%
Pb 220.353	2895.9	0.5236	0.00659	mg/L				1.26%
Se 196.026	2352.6	0.9686	0.01101	mg/L				1.14%
Tl 190.800	3285.3	2.065	0.0243	mg/L				1.18%
Zn 206.191	37005.0	0.5273	0.00172	mg/L				0.33%

Mean Data
ID: 521123 Seq. No.: 14 Sample No.: 3 A/S Pos: 11
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:49:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3290138.8	0.960	0.0046	mg/L				0.48%
Ag 328.068	-1707.8	-0.0008	0.00025	mg/L				32.37%
Al 308.215	6685.9	0.1738	0.00253	mg/L				1.46%
As 188.979	-28.9	0.0000	0.00010	mg/L				981.17%
Ba 233.527	1750.0	0.0189	0.00010	mg/L				0.54%
Ca 315.887	4790027.3	36.67	0.030	mg/L				0.08%
Cd 226.502	-192.0	0.0000	0.00001	mg/L				36.66%
Cr 267.716	9.7	0.0011	0.00068	mg/L				60.24%
Cu 324.754	21436.5	0.1029	0.00086	mg/L				0.84%
F[illegible] 8.863	1827.3	0.1031	0.00099	mg/L				0.96%
M[illegible] 9.079	195884.1	10.20	0.112	mg/L				1.10%
Mn [illegible]57.610	1201.6	0.0041	0.00000	mg/L				0.03%
Ni 231.604	-236.0	0.0005	0.00016	mg/L				34.52%
Pb 220.353	29.9	0.0012	0.00107	mg/L				88.01%
Se 196.026	-25.9	0.0016	0.00066	mg/L				41.75%

. 190.800	-28.5	-0.0011	0.00010 mg/L		8.82%
ı 206.191	2524.9	0.0354	0.00000 mg/L		0.01%

ta

): 521123D Seq. No.: 15 Sample No.: 4 A/S Pos: 12
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:54:41 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3462368.5	1.010	0.0029	mg/L				0.29%
g 328.068	-1669.7	-0.0005	0.00012	mg/L				22.87%
l 308.215	6378.2	0.1536	0.00693	mg/L				4.51%
s 188.979	-32.4	-0.0024	0.00182	mg/L				77.27%
a 233.527	1661.9	0.0179	0.00009	mg/L				0.49%
a 315.887	4619566.5	35.36	0.009	mg/L				0.02%
d 226.502	-185.9	0.0001	0.00003	mg/L				35.92%
r 267.716	10.8	0.0011	0.00011	mg/L				9.78%
u 324.754	20576.0	0.0985	0.00068	mg/L				0.69%
e 238.863	1659.1	0.0954	0.00023	mg/L				0.24%
g 279.079	189328.5	9.863	0.0199	mg/L				0.20%
n 257.610	1082.0	0.0038	0.00001	mg/L				0.17%
i 231.604	-225.7	0.0008	0.00039	mg/L				50.89%
b 220.353	28.7	0.0010	0.00031	mg/L				30.80%
e 196.026	-25.4	0.0018	0.00321	mg/L				176.73%
l 190.800	-27.3	-0.0003	0.00232	mg/L				671.43%
n 206.191	2409.5	0.0338	0.00018	mg/L				0.54%

ean Data

D: 521123S Seq. No.: 16 Sample No.: 5 A/S Pos: 13
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 1:59:34 PM

l	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
030	3452847.0	1.008	0.0065	mg/L				0.64%
g .068	5603.6	0.0498	0.00020	mg/L				0.40%
l 308.215	37454.5	2.188	0.0033	mg/L				0.15%
s 188.979	25.4	0.0363	0.00065	mg/L				1.80%
a 233.527	186713.7	2.090	0.0002	mg/L				0.01%
a 315.887	4801930.6	36.76	0.016	mg/L				0.04%
d 226.502	4893.5	0.0509	0.00056	mg/L				1.09%
r 267.716	22195.8	0.2071	0.00015	mg/L				0.07%
u 324.754	72041.5	0.3672	0.00014	mg/L				0.04%
e 238.863	24579.9	1.141	0.0019	mg/L				0.17%
g 279.079	225401.6	11.73	0.003	mg/L				0.02%
n 257.610	188994.4	0.5147	0.00062	mg/L				0.12%
i 231.604	18475.9	0.5311	0.00161	mg/L				0.30%
b 220.353	2854.0	0.5159	0.00553	mg/L				1.07%
e 196.026	2358.0	0.9708	0.00818	mg/L				0.84%
l 190.800	3196.7	2.009	0.0279	mg/L				1.39%
n 206.191	39127.8	0.5575	0.00032	mg/L				0.06%

lean Data

D: 521123A Seq. No.: 17 Sample No.: 6 A/S Pos: 14
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:04:28 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3353852.9	0.979	0.0052	mg/L				0.54%
Ag 328.068	5283.2	0.0476	0.00004	mg/L				0.08%
Al 308.215	36688.3	2.138	0.0134	mg/L				0.63%
As 188.979	19.1	0.0320	0.00061	mg/L				1.90%
Ba 233.527	179860.7	2.014	0.0166	mg/L				0.82%
Ca 315.887	4870218.0	37.28	0.019	mg/L				0.05%
Cd 226.502	4662.0	0.0486	0.00022	mg/L				0.44%
Cr .716	21275.6	0.1986	0.00127	mg/L				0.64%
Cu .754	70334.7	0.3583	0.00276	mg/L				0.77%
Fe 238.863	23677.0	1.100	0.0059	mg/L				0.54%
Mg 279.079	226586.9	11.80	0.084	mg/L				0.71%
Mn 257.610	181708.7	0.4949	0.00386	mg/L				0.78%
Ni 231.604	17733.5	0.5101	0.00370	mg/L				0.73%

b 220.353	2728.8	0.4931	0.00258	mg/L	0.52%
e 196.026	2178.3	0.8977	0.00649	mg/L	0.72%
l 800	3102.9	1.951	0.0074	mg/L	0.38%
n 191	37665.6	0.5367	0.00380	mg/L	0.71%

ean Data
D: 521123L Seq. No.: 18 Sample No.: 7 A/S Pos: 15
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:09:22 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3543684.5	1.034	0.0109	mg/L				1.05%
g 328.068	-1569.3	0.0002	0.00045	mg/L				239.45%
l 308.215	4494.2	0.0303	0.00059	mg/L				1.96%
s 188.979	-29.5	-0.0004	0.00127	mg/L				311.68%
a 233.527	365.6	0.0033	0.00019	mg/L				5.63%
a 315.887	916068.2	7.007	0.0021	mg/L				0.03%
d 226.502	-193.5	0.0000	0.00006	mg/L				324.51%
r 267.716	-96.8	0.0001	0.00011	mg/L				82.82%
u 324.754	5324.2	0.0188	0.00003	mg/L				0.18%
e 238.863	-233.0	0.0091	0.00076	mg/L				8.39%
g 279.079	37266.7	1.973	0.0084	mg/L				0.42%
n 257.610	-123.9	0.0005	0.00003	mg/L				6.37%
i 231.604	-236.4	0.0005	0.00001	mg/L				2.68%
b 220.353	26.4	0.0006	0.00059	mg/L				99.84%
e 196.026	-28.8	0.0004	0.00072	mg/L				174.09%
l 190.800	-23.0	0.0023	0.00218	mg/L				95.02%
n 206.191	527.4	0.0069	0.00022	mg/L				3.19%

ean Data
D: 521124 Seq. No.: 19 Sample No.: 8 A/S Pos: 16
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:14:15 PM

le. .c	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3472276.9	1.013	0.0056	mg/L				0.55%
g 328.068	-1716.9	-0.0008	0.00016	mg/L				19.80%
l 308.215	5760.6	0.1132	0.00142	mg/L				1.25%
s 188.979	-35.7	-0.0045	0.00409	mg/L				90.29%
a 233.527	1491.6	0.0160	0.00002	mg/L				0.15%
a 315.887	4552795.6	34.85	0.029	mg/L				0.08%
d 226.502	-188.7	0.0001	0.00001	mg/L				21.26%
r 267.716	-18.9	0.0009	0.00001	mg/L				1.34%
u 324.754	17022.5	0.0799	0.00043	mg/L				0.53%
e 238.863	40.6	0.0216	0.00022	mg/L				1.02%
g 279.079	186276.9	9.705	0.0271	mg/L				0.28%
n 257.610	2327.1	0.0072	0.00002	mg/L				0.24%
i 231.604	-229.9	0.0006	0.00014	mg/L				21.64%
b 220.353	25.5	0.0004	0.00044	mg/L				102.32%
e 196.026	-16.6	0.0054	0.00290	mg/L				53.64%
l 190.800	-26.0	0.0004	0.00091	mg/L				205.56%
n 206.191	2917.5	0.0410	0.00009	mg/L				0.23%

lean Data
D: 527681 Seq. No.: 20 Sample No.: 9 A/S Pos: 17
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:19:18 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3177911.3	0.927	0.0043	mg/L				0.46%
g 328.068	-1898.4	-0.0021	0.00032	mg/L				15.34%
l 308.215	5036.4	0.0658	0.00250	mg/L				3.81%
s 188.979	-30.0	-0.0007	0.00365	mg/L				504.37%
a 233.527	21852.9	0.2440	0.00077	mg/L				0.32%
a .887	17387237.0	133.1	0.04	mg/L				0.03%
d .502	-205.3	-0.0001	0.00004	mg/L				42.40%
r 267.716	873.5	0.0091	0.00002	mg/L				0.17%
u 324.754	2346.2	0.0032	0.00028	mg/L				8.71%
e 238.863	-109.0	0.0148	0.00119	mg/L				8.07%
g 279.079	4003952.6	207.8	0.09	mg/L				0.05%

Mn 257.610	56641.4	0.1548	0.00063	mg/L	0.41%
Ni 231.604	258.1	0.0145	0.00020	mg/L	1.38%
Pb 220.353	24.0	0.0002	0.00014	mg/L	89.19%
S 5.026	3.3	0.0068	0.00075	mg/L	11.09%
Tl 190.800	-41.1	-0.0090	0.00184	mg/L	20.39%
Zn 206.191	523.8	0.0069	0.00000	mg/L	0.05%

Mean Data

ID: 529222 Seq. No.: 21 Sample No.: 10 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:24:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	2994044.5	0.874	0.0007	mg/L				0.08%
Ag 328.068	-1908.9	-0.0022	0.00029	mg/L				13.35%
Al 308.215	9952.4	0.3876	0.00167	mg/L				0.43%
As 188.979	7.4	0.0242	0.00401	mg/L				16.56%
Ba 233.527	5204.4	0.0575	0.00002	mg/L				0.03%
Ca 315.887	16372382.3	125.3	0.97	mg/L				0.78%
Cd 226.502	-3301.3	-0.0311	0.00017	mg/L				0.54%
Cr 267.716	2788.5	0.0269	0.00040	mg/L				1.47%
Cu 324.754	5430.0	0.0194	0.00003	mg/L				0.16%
Fe 238.863	23303.5	1.083	0.0002	mg/L				0.02%
Mg 279.079	330726.4	17.20	0.024	mg/L				0.14%
Mn 257.610	15561.5	0.0431	0.00005	mg/L				0.11%
Ni 231.604	1030.7	0.0364	0.00003	mg/L				0.09%
Pb 220.353	-698.1	-0.1315	0.00080	mg/L				0.61%
Se 196.026	692.0	0.2935	0.00083	mg/L				0.28%
Tl 190.800	-65.0	-0.0239	0.00165	mg/L				6.93%
Zn 206.191	7329.1	0.1040	0.00021	mg/L				0.21%

Mean Data

ID: CCV Seq. No.: 22 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:29:18 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3395984.2	0.991	0.0007	mg/L				0.07%
Ag 328.068	69932.2	0.4945	0.00051	mg/L				0.10%
Al 308.215	155150.6	9.894	0.0044	mg/L				0.04%
As 188.979	1464.0	0.9974	0.00127	mg/L				0.13%
Ba 233.527	906698.2	10.15	0.001	mg/L				0.01%
Ca 315.887	3274691.0	25.06	0.022	mg/L				0.09%
Cd 226.502	50813.5	0.5104	0.00072	mg/L				0.14%
Cr 267.716	54191.6	0.5041	0.00036	mg/L				0.07%
Cu 324.754	239909.5	1.244	0.0019	mg/L				0.15%
Fe 238.863	110013.5	5.037	0.0071	mg/L				0.14%
Mg 279.079	476376.3	24.76	0.011	mg/L				0.04%
Mn 257.610	274183.1	0.7463	0.00083	mg/L				0.11%
Ni 231.604	72542.1	2.064	0.0005	mg/L				0.03%
Pb 220.353	2809.2	0.5078	0.00074	mg/L				0.15%
Se 196.026	1209.8	0.5040	0.00238	mg/L				0.47%
Tl 190.800	1629.8	1.033	0.0010	mg/L				0.10%
Zn 206.191	71875.2	1.025	0.0003	mg/L				0.03%

Mean Data

ID: CCB Seq. No.: 23 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:34:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3392389.4	0.990	0.0079	mg/L				0.80%
Ag 328.068	-1545.2	0.0004	0.00007	mg/L				18.95%
Al 308.215	4106.9	0.0049	0.01034	mg/L				209.47%
As 188.979	-30.3	-0.0010	0.00200	mg/L				209.92%
Ba 233.527	155.4	0.0010	0.00058	mg/L				58.31%
Ca 315.887	1475.8	0.0044	0.00242	mg/L				55.30%
Cd 226.502	-193.7	0.0000	0.00001	mg/L				55.88%
Cr 267.716	-96.8	0.0001	0.00003	mg/L				25.40%
Cu 324.754	2801.1	0.0056	0.00101	mg/L				17.95%

Fe 238.863	-394.3	0.0017	0.00051 mg/L		29.01%
Mg 279.079	-704.1	0.0024	0.00167 mg/L		68.65%
Mn 257.610	-197.4	0.0003	0.00009 mg/L		29.48%
Ni 231.604	-249.8	0.0001	0.00007 mg/L		96.07%
Pb 220.353	26.2	0.0006	0.00072 mg/L		128.88%
Se 196.026	-23.3	0.0027	0.00335 mg/L		125.96%
Tl 190.800	-21.9	0.0030	0.00090 mg/L		30.15%
Zn 206.191	51.1	0.0002	0.00003 mg/L		17.32%

Mean Data ----------

ID: 529224 Seq. No.: 24 Sample No.: 11 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:39:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	2863561.9	0.836	0.0017	mg/L				0.21%
Ag 328.068	-2327.7	-0.0051	0.00051	mg/L				10.12%
Al 308.215	10900.5	0.4497	0.00336	mg/L				0.75%
As 188.979	2.1	0.0207	0.00095	mg/L				4.61%
Ba 233.527	6390.7	0.0708	0.00026	mg/L				0.37%
Ca 315.887	53895058.4	412.6	2.40	mg/L				0.58%
Cd 226.502	-3657.9	-0.0346	0.00014	mg/L				0.41%
Cr 267.716	3232.3	0.0310	0.00006	mg/L				0.20%
Cu 324.754	8918.2	0.0376	0.00016	mg/L				0.43%
Fe 238.863	32614.8	1.507	0.0072	mg/L				0.48%
Mg 279.079	289051.4	15.04	0.015	mg/L				0.10%
Mn 257.610	22212.9	0.0612	0.00012	mg/L				0.19%
Ni 231.604	564.0	0.0232	0.00002	mg/L				0.08%
Pb 220.353	-796.4	-0.1494	0.00026	mg/L				0.17%
Se 196.026	766.5	0.3238	0.00313	mg/L				0.97%
Tl 190.800	-66.3	-0.0247	0.00054	mg/L				2.19%
Zn 206.191	8469.9	0.1202	0.00014	mg/L				0.12%

Mean Data ----------

ID: LCSS-M2530072 Seq. No.: 25 Sample No.: 12 A/S Pos: 20
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:44:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3366112.7	0.982	0.0001	mg/L				0.01%
Ag 328.068	-1644.6	-0.0003	0.00001	mg/L				3.02%
Al 308.215	4393.9	0.0237	0.00450	mg/L				18.95%
As 188.979	-34.6	-0.0038	0.00242	mg/L				63.79%
Ba 233.527	21.7	-0.0005	0.00006	mg/L				12.81%
Ca 315.887	9502.8	0.0658	0.02252	mg/L				34.20%
Cd 226.502	-203.5	-0.0001	0.00006	mg/L				67.00%
Cr 267.716	-15.7	0.0009	0.00032	mg/L				36.25%
Cu 324.754	1912.2	0.0010	0.00004	mg/L				4.12%
Fe 238.863	-581.2	-0.0068	0.00013	mg/L				1.96%
Mg 279.079	-666.5	0.0044	0.00201	mg/L				45.92%
Mn 257.610	-401.1	-0.0003	0.00000	mg/L				0.64%
Ni 231.604	-277.4	-0.0007	0.00015	mg/L				21.84%
Pb 220.353	29.8	0.0012	0.00102	mg/L				83.81%
Se 196.026	-22.3	0.0031	0.00011	mg/L				3.73%
Tl 190.800	-32.2	-0.0034	0.00018	mg/L				5.39%
Zn 206.191	424.6	0.0055	0.00007	mg/L				1.21%

Mean Data ----------

ID: LCSS-M2530072 Seq. No.: 26 Sample No.: 13 A/S Pos: 21
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 2:49:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3519391.3	1.027	0.0009	mg/L				0.08%
Ag 328.068	82791.9	0.5834	0.00137	mg/L				0.23%
Al 308.215	1005337.6	65.55	0.012	mg/L				0.02%
As 188.979	2451.5	1.676	0.0011	mg/L				0.07%
Ba 233.527	141210.1	1.581	0.0004	mg/L				0.03%
Ca 315.887	12398087.3	94.91	0.395	mg/L				0.42%
Cd 226.502	62774.1	0.6242	0.00051	mg/L				0.08%

Cr 267.716	138947.5	1.291	0.0005	mg/L	0.04%
Cu 324.754	170532.2	0.8816	0.00084	mg/L	0.10%
Fe 238.863	2165218.5	98.77	0.009	mg/L	0.01%
Mg .079	458145.0	23.81	0.020	mg/L	0.08%
Mn .610	1264464.6	3.439	0.0026	mg/L	0.07%
Ni 231.604	25038.3	0.7172	0.00123	mg/L	0.17%
Pb 220.353	6439.6	1.175	0.0030	mg/L	0.26%
Se 196.026	3275.8	1.344	0.0017	mg/L	0.12%
Tl 190.800	1117.2	0.7131	0.00335	mg/L	0.47%
Zn 206.191	181280.2	2.585	0.0000	mg/L	0.00%

Mean Data

ID: 526815 1/10 Seq. No.: 27 Sample No.: 14 A/S Pos: 22
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/08/02 2:54:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3509580.6	1.024	0.0031	mg/L				0.30%
Ag 328.068	-1609.9	-0.0001	0.00067	mg/L				713.12%
Al 308.215	157110.6	10.02	0.025	mg/L				0.25%
As 188.979	-25.5	0.0023	0.00089	mg/L				38.82%
Ba 233.527	20100.1	0.2244	0.00028	mg/L				0.12%
Ca 315.887	1865285.1	14.27	0.007	mg/L				0.05%
Cd 226.502	-75.3	0.0012	0.00006	mg/L				5.22%
Cr 267.716	1061.3	0.0109	0.00048	mg/L				4.38%
Cu 324.754	4184.2	0.0128	0.00033	mg/L				2.55%
Fe 238.863	217581.3	9.943	0.0250	mg/L				0.25%
Mg 279.079	83468.9	4.370	0.0143	mg/L				0.33%
Mn 257.610	99731.5	0.2720	0.00067	mg/L				0.25%
Ni 231.604	-3.5	0.0071	0.00009	mg/L				1.33%
Pb 220.353	1040.3	0.1854	0.00099	mg/L				0.54%
Se 196.026	-18.3	0.0047	0.00097	mg/L				20.60%
Tl 190.800	-32.6	-0.0037	0.00153	mg/L				41.65%
Zn 206.191	89364.6	1.274	0.0050	mg/L				0.39%

Mean Data

ID: 526816 1/10 Seq. No.: 28 Sample No.: 15 A/S Pos: 23
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/08/02 2:59:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3534661.2	1.031	0.0047	mg/L				0.46%
Ag 328.068	-1701.9	-0.0007	0.00042	mg/L				58.11%
Al 308.215	150078.9	9.561	0.0244	mg/L				0.26%
As 188.979	-26.8	0.0014	0.00158	mg/L				111.69%
Ba 233.527	14465.1	0.1613	0.00086	mg/L				0.53%
Ca 315.887	1820371.5	13.93	0.002	mg/L				0.01%
Cd 226.502	-15.7	0.0018	0.00001	mg/L				0.48%
Cr 267.716	1173.9	0.0119	0.00018	mg/L				1.51%
Cu 324.754	4547.6	0.0147	0.00021	mg/L				1.42%
Fe 238.863	212280.6	9.702	0.0103	mg/L				0.11%
Mg 279.079	85541.1	4.478	0.0080	mg/L				0.18%
Mn 257.610	80953.3	0.2209	0.00049	mg/L				0.22%
Ni 231.604	-20.2	0.0066	0.00026	mg/L				3.89%
Pb 220.353	317.4	0.0536	0.00065	mg/L				1.22%
Se 196.026	-26.9	0.0012	0.00036	mg/L				30.70%
Tl 190.800	-31.0	-0.0027	0.00265	mg/L				99.04%
Zn 206.191	91496.0	1.305	0.0007	mg/L				0.06%

Mean Data

ID: 526816L 1/10 Seq. No.: 29 Sample No.: 16 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/08/02 3:04:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y .030	3537048.6	1.032	0.0093	mg/L				0.90%
Ag 8.068	-1602.3	0.0000	0.00006	mg/L				137.73%
Al 308.215	33181.9	1.908	0.0089	mg/L				0.47%
As 188.979	-26.0	0.0019	0.00066	mg/L				34.52%
Ba 233.527	2912.7	0.0319	0.00006	mg/L				0.18%

a 315.887	368935.0	2.818	0.0015	mg/L	0.05%
i 226.502	-162.4	0.0003	0.00003	mg/L	8.33%
: 716	126.6	0.0022	0.00001	mg/L	0.23%
a 754	2183.7	0.0024	0.00010	mg/L	4.13%
e 238.863	42541.6	1.960	0.0082	mg/L	0.42%
g 279.079	16508.3	0.8956	0.00310	mg/L	0.35%
n 257.610	15950.0	0.0442	0.00035	mg/L	0.79%
i 231.604	-196.5	0.0016	0.00010	mg/L	6.13%
b 220.353	80.8	0.0105	0.00074	mg/L	7.09%
e 196.026	-20.9	0.0037	0.00385	mg/L	105.44%
l 190.800	-29.8	-0.0019	0.00035	mg/L	18.25%
n 206.191	18637.7	0.2653	0.00110	mg/L	0.42%

ean Data
D: 526855 1/2 Seq. No.: 30 Sample No.: 17 A/S Pos: 25
ample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:08:56 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3572135.2	1.042	0.0019	mg/L				0.18%
g 328.068	-3094.3	-0.0104	0.00006	mg/L				0.62%
l 308.215	135160.6	8.585	0.0757	mg/L				0.88%
s 188.979	-90.5	-0.0019	0.00003	mg/L				1.38%
a 233.527	11947.0	0.1331	0.00165	mg/L				1.24%
a 315.887	1292024.9	9.885	0.0032	mg/L				0.03%
d 226.502	1361.4	0.0032	0.00004	mg/L				1.38%
r 267.716	82828.4	0.7700	0.00681	mg/L				0.88%
u 324.754	48875.1	0.2591	0.00264	mg/L				1.02%
e 238.863	4604876.1	210.0	0.09	mg/L				0.04%
g 279.079	75750.0	3.970	0.0423	mg/L				1.07%
n 257.610	538618.5	1.483	0.0033	mg/L				0.22%
i 231.604	5368.5	0.1594	0.00065	mg/L				0.41%
b 220.353	2349.6	0.4200	0.00162	mg/L				0.39%
e [illegible].026	-23.6	0.0025	0.00032	mg/L				12.52%
l .800	-57.5	-0.0192	0.00094	mg/L				4.88%
n .191	83988.0	1.197	0.0120	mg/L				1.00%

lean Data
:D: 527356 1/10 Seq. No.: 31 Sample No.: 18 A/S Pos: 26
:ample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:13:58 PM

:lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
' 371.030	3522247.2	1.028	0.0015	mg/L				0.15%
ag 328.068	-2282.7	-0.0047	0.00023	mg/L				4.94%
al 308.215	297554.6	19.22	0.092	mg/L				0.48%
as 188.979	-24.9	0.0180	0.00074	mg/L				4.12%
ba 233.527	15329.7	0.1709	0.00087	mg/L				0.51%
ca 315.887	15221757.3	116.5	0.53	mg/L				0.45%
cd 226.502	361.5	0.0056	0.00018	mg/L				3.15%
cr 267.716	4143.3	0.0395	0.00015	mg/L				0.37%
cu 324.754	6823.9	0.0266	0.00007	mg/L				0.28%
fe 238.863	1792802.6	81.79	0.014	mg/L				0.02%
hg 279.079	138639.5	7.233	0.0342	mg/L				0.47%
mn 257.610	510560.4	1.389	0.0033	mg/L				0.23%
ni 231.604	1129.0	0.0392	0.00042	mg/L				1.06%
pb 220.353	242.4	0.0400	0.00031	mg/L				0.77%
se 196.026	-25.2	0.0019	0.00080	mg/L				42.47%
tl 190.800	-50.9	-0.0151	0.00175	mg/L				11.57%
zn 206.191	86862.1	1.238	0.0065	mg/L				0.53%

Mean Data
ID: 527357 1/10 Seq. No.: 32 Sample No.: 19 A/S Pos: 27
Sample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:19:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3551820.6	1.036	0.0060	mg/L				0.58%
Ag 328.068	-2417.0	-0.0057	0.00051	mg/L				9.02%
Al 308.215	42067.6	2.490	0.0085	mg/L				0.34%

188.979	-79.5	-0.0100	0.00030	mg/L	2.95%
233.527	5045.5	0.0558	0.00044	mg/L	0.78%
887	706197.2	5.400	0.0131	mg/L	0.24%
502	6831.3	0.0628	0.00048	mg/L	0.76%
267.716	39672.3	0.3694	0.00127	mg/L	0.34%
324.754	11203.3	0.0495	0.00047	mg/L	0.94%
238.863	2794270.1	127.5	0.05	mg/L	0.04%
279.079	6697.4	0.3865	0.00000	mg/L	0.00%
257.610	242282.6	0.6706	0.00122	mg/L	0.18%
231.604	645.8	0.0255	0.00021	mg/L	0.84%
220.353	9736.7	1.770	0.0075	mg/L	0.43%
196.026	-27.5	0.0010	0.00033	mg/L	34.50%
190.800	-40.5	-0.0086	0.00002	mg/L	0.23%
206.191	10899994.6	155.5	1.51	mg/L	0.97%

ean Data
D: 527358 \10
ample Qty: 1.0300 g
Seq. No.: 33 Sample No.: 20 A/S Pos: 28
Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:24:12 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3637577.4	1.061	0.0025	mg/L				0.23%
g 328.068	-1583.3	0.0001	0.00032	mg/L				357.20%
l 308.215	572082.8	37.19	0.000	mg/L				0.00%
s 188.979	-28.0	0.0006	0.00170	mg/L				288.32%
a 233.527	481881.5	5.396	0.0130	mg/L				0.24%
a 315.887	586960.1	4.487	0.0118	mg/L				0.26%
d 226.502	357.3	0.0055	0.00003	mg/L				0.54%
r 267.716	1814.9	0.0179	0.00005	mg/L				0.29%
u 324.754	2449.9	0.0038	0.00008	mg/L				2.11%
e 238.863	41226.7	1.900	0.0057	mg/L				0.30%
g 279.079	3705.0	0.2312	0.00164	mg/L				0.71%
n 257.610	6602.1	0.0188	0.00002	mg/L				0.11%
i .604	-85.9	0.0047	0.00030	mg/L				6.34%
b .353	1643.1	0.2982	0.00204	mg/L				0.68%
e 196.026	-33.8	-0.0016	0.00243	mg/L				151.08%
l 190.800	-24.8	0.0012	0.00034	mg/L				29.52%
n 206.191	6359619.0	90.71	0.104	mg/L				0.11%

lean Data
D: CCV
ample Qty: 1.0000 g
Seq. No.: 34 Sample No.: 2 A/S Pos: 3
Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:29:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3404867.8	0.994	0.0091	mg/L				0.92%
Ag 328.068	70939.4	0.5015	0.00169	mg/L				0.34%
Al 308.215	154668.6	9.862	0.0226	mg/L				0.23%
As 188.979	1489.2	1.014	0.0106	mg/L				1.05%
Ba 233.527	906094.1	10.15	0.006	mg/L				0.06%
Ca 315.887	3265510.9	24.99	0.010	mg/L				0.04%
Cd 226.502	50768.5	0.5099	0.00073	mg/L				0.14%
Cr 267.716	54730.9	0.5092	0.00101	mg/L				0.20%
Cu 324.754	241905.2	1.254	0.0038	mg/L				0.31%
Fe 238.863	111189.9	5.091	0.0063	mg/L				0.12%
Mg 279.079	477330.5	24.81	0.014	mg/L				0.06%
Mn 257.610	279255.3	0.7601	0.00188	mg/L				0.25%
Ni 231.604	72828.1	2.072	0.0017	mg/L				0.08%
Pb 220.353	2797.4	0.5056	0.00641	mg/L				1.27%
Se 196.026	1192.7	0.4971	0.00897	mg/L				1.81%
Tl 190.800	1623.1	1.028	0.0117	mg/L				1.14%
Zn 206.191	77141.9	1.100	0.0260	mg/L				2.36%

Mean Data
ID: CCB
S e Qty: 1.0000 g
Seq. No.: 35 Sample No.: 4 A/S Pos: 1
Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:33:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3411451.4	0.995	0.0024	mg/L				0.24%

Ag 328.068	-1567.4	0.0002	0.00036	mg/L	179.16%
Al 308.215	4131.1	0.0065	0.00019	mg/L	2.86%
As .979	-31.6	-0.0018	0.00009	mg/L	4.85%
Ba .527	175.0	0.0012	0.00051	mg/L	42.25%
Ca 315.887	1477.2	0.0044	0.00158	mg/L	35.95%
Cd 226.502	-186.5	0.0001	0.00009	mg/L	106.85%
Cr 267.716	-102.2	0.0001	0.00003	mg/L	31.54%
Cu 324.754	2055.2	0.0017	0.00019	mg/L	10.99%
Fe 238.863	-329.0	0.0047	0.00130	mg/L	27.42%
Mg 279.079	-755.5	-0.0002	0.00115	mg/L	479.66%
Mn 257.610	-187.8	0.0003	0.00004	mg/L	11.94%
Ni 231.604	-241.6	0.0003	0.00000	mg/L	1.28%
Pb 220.353	25.1	0.0003	0.00047	mg/L	136.71%
Se 196.026	-25.6	0.0017	0.00409	mg/L	239.42%
Tl 190.800	-25.0	0.0011	0.00220	mg/L	203.48%
Zn 206.191	1290.1	0.0178	0.00242	mg/L	13.56%

Mean Data
ID: 527359 1/10 Seq. No.: 36 Sample No.: 21 A/S Pos: 29
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:38:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3561095.2	1.039	0.0048	mg/L				0.46%
Ag 328.068	-1621.4	-0.0002	0.00012	mg/L				68.75%
Al 308.215	116503.0	7.363	0.0452	mg/L				0.61%
As 188.979	-27.4	0.0010	0.00262	mg/L				265.79%
Ba 233.527	98201.4	1.099	0.0072	mg/L				0.66%
Ca 315.887	117051.7	0.8892	0.00374	mg/L				0.42%
Cd 226.502	-79.7	0.0012	0.00005	mg/L				4.10%
Cr 267.716	256.9	0.0034	0.00000	mg/L				0.03%
Cu 324.754	1802.0	0.0004	0.00003	mg/L				8.08%
Fe 238.863	7702.1	0.3710	0.00240	mg/L				0.65%
Mg 9.079	175.7	0.0481	0.00022	mg/L				0.46%
Mn .610	981.9	0.0035	0.00004	mg/L				1.07%
Ni ..1.604	-206.5	0.0013	0.00011	mg/L				8.15%
Pb 220.353	351.6	0.0599	0.00023	mg/L				0.38%
Se 196.026	-30.9	-0.0004	0.00170	mg/L				407.85%
Tl 190.800	-27.9	-0.0008	0.00216	mg/L				286.80%
Zn 206.191	1483063.8	21.15	0.029	mg/L				0.14%

Mean Data
ID: 527359L Seq. No.: 37 Sample No.: 22 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:43:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	1944.7	0.001	0.0001	mg/L				17.74%
Ag 328.068	-378330.6	-2.605	0.9758	mg/L				37.46%
Al 308.215	3735435.3	244.3	3.93	mg/L				1.61%
As 188.979	-67244.8	-44.91	10.102	mg/L				22.49%
Ba 233.527	84917.0	0.9503	0.31564	mg/L				33.22%
Ca 315.887	-3583179.0	-27.44	0.618	mg/L				2.25%
Cd 226.502	-110644.7	-1.105	0.1172	mg/L				10.60%
Cr 267.716	274843.8	2.553	0.7273	mg/L				28.49%
Cu 324.754	1777376.9	9.274	0.0684	mg/L				0.74%
Fe 238.863	-447999.5	-20.41	0.131	mg/L				0.64%
Mg 279.079	-1061082.1	-55.02	2.269	mg/L				4.12%
Mn 257.610	-144943.3	-0.3933	0.11538	mg/L				29.34%
Ni 231.604	-489893.6	-13.89	2.247	mg/L				16.18%
Pb 220.353	61079.0	11.15	2.048	mg/L				18.37%
Se 196.026	-31183.1	-12.67	1.028	mg/L				8.12%
Tl 190.800	-44374.5	-27.65	3.580	mg/L				12.95%
Zn 206.191	2407698.6	34.34	12.503	mg/L				36.41%

no I.S. added

M Data
ID RI Seq. No.: 38 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:48:12 PM

	Mean Corr.	Mean		Calib	Mean	Sample		

Element	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
Y 371.030	3440103.0	1.004	0.0021	mg/L				0.20%
Ag [illegible].068	1198.1	0.0193	0.00012	mg/L				0.61%
Al [illegible].215	4001.3	-0.0020	0.00054	mg/L				27.28%
As 188.979	-2.4	0.0177	0.00369	mg/L				20.87%
Ba 233.527	81.0	0.0002	0.00002	mg/L				11.02%
Ca 315.887	2575.8	0.0128	0.00081	mg/L				6.35%
Cd 226.502	838.8	0.0103	0.00005	mg/L				0.48%
Cr 267.716	2171.4	0.0212	0.00008	mg/L				0.37%
Cu 324.754	11178.3	0.0494	0.00003	mg/L				0.05%
Fe 238.863	-221.5	0.0096	0.00221	mg/L				22.99%
Mg 279.079	-756.9	-0.0003	0.00076	mg/L				243.64%
Mn 257.610	11554.8	0.0322	0.00019	mg/L				0.58%
Ni 231.604	2808.8	0.0868	0.00006	mg/L				0.07%
Pb 220.353	59.8	0.0067	0.00046	mg/L				6.88%
Se 196.026	-6.6	0.0095	0.00275	mg/L				29.03%
Tl 190.800	8.2	0.0218	0.00123	mg/L				5.67%
Zn 206.191	3676.6	0.0519	0.00147	mg/L				2.84%

Mean Data ----------

ID: ICSA Seq. No.: 39 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:53:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3088447.9	0.901	0.0011	mg/L				0.13%
Ag 328.068	-3640.2	-0.0141	0.00064	mg/L				4.51%
Al 308.215	7955927.1	520.6	2.31	mg/L				0.44%
As 188.979	-86.7	-0.0028	0.00044	mg/L				15.78%
Ba 233.527	-359.6	-0.0048	0.00015	mg/L				3.25%
Ca 315.887	63287776.9	484.5	1.93	mg/L				0.40%
Cd 226.502	1196.1	0.0026	0.00003	mg/L				1.26%
Cr 267.716	645.3	0.0070	0.00028	mg/L				3.94%
Cu [illegible]4.754	-621.3	-0.0005	0.00019	mg/L				36.27%
Fe [illegible]3.863	4202766.4	191.7	0.01	mg/L				0.01%
Mg [illegible]9.079	10071262.9	522.6	2.01	mg/L				0.38%
Mn 257.610	-4682.0	0.0046	0.00002	mg/L				0.33%
Ni 231.604	-252.7	0.0000	0.00050	mg/L				>999.9%
Pb 220.353	-241.6	-0.0097	0.00018	mg/L				1.85%
Se 196.026	12.8	0.0079	0.00422	mg/L				53.18%
Tl 190.800	-62.9	-0.0226	0.00235	mg/L				10.41%
Zn 206.191	1807.9	0.0110	0.00066	mg/L				6.01%

Mean Data ----------

ID: ICSAB Seq. No.: 40 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 3:59:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3122994.0	0.911	0.0022	mg/L				0.24%
Ag 328.068	158741.0	1.109	0.0099	mg/L				0.90%
Al 308.215	7791368.9	509.8	0.15	mg/L				0.03%
As 188.979	-90.2	-0.0059	0.00368	mg/L				62.69%
Ba 233.527	46915.8	0.5247	0.00403	mg/L				0.77%
Ca 315.887	62875057.4	481.4	0.77	mg/L				0.16%
Cd 226.502	96555.5	0.9569	0.00698	mg/L				0.73%
Cr 267.716	54680.3	0.5087	0.00426	mg/L				0.84%
Cu 324.754	101931.5	0.5348	0.00718	mg/L				1.34%
Fe 238.863	4118286.8	187.9	0.14	mg/L				0.07%
Mg 279.079	10014953.1	519.7	0.97	mg/L				0.19%
Mn 257.610	179830.8	0.5060	0.00416	mg/L				0.82%
Ni 231.604	32610.5	0.9320	0.00030	mg/L				0.03%
Pb 220.353	5006.3	0.9460	0.00000	mg/L				0.00%
Se 196.026	11.5	0.0074	0.00238	mg/L				32.29%
Tl 190.800	-65.1	-0.0240	0.00003	mg/L				0.12%
Zn [illegible]6.191	68192.2	0.9580	0.01003	mg/L				1.05%

Mean Data ----------

ID: CCV Seq. No.: 41 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 4:04:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 030	3389838.6	0.989	0.0049	mg/L				0.50%
Ag 3.068	71041.8	0.5022	0.00054	mg/L				0.11%
Al 308.215	155807.4	9.937	0.0292	mg/L				0.29%
As 188.979	1481.7	1.009	0.0042	mg/L				0.42%
Ba 233.527	906177.1	10.15	0.004	mg/L				0.04%
Ca 315.887	3279171.2	25.10	0.039	mg/L				0.15%
Cd 226.502	50721.6	0.5094	0.00025	mg/L				0.05%
Cr 267.716	54846.8	0.5102	0.00119	mg/L				0.23%
Cu 324.754	241304.1	1.251	0.0038	mg/L				0.31%
Fe 238.863	112113.5	5.133	0.0081	mg/L				0.16%
Mg 279.079	479657.3	24.93	0.054	mg/L				0.22%
Mn 257.610	280439.7	0.7633	0.00045	mg/L				0.06%
Ni 231.604	72895.6	2.074	0.0011	mg/L				0.05%
Pb 220.353	2787.3	0.5038	0.00129	mg/L				0.26%
Se 196.026	1194.7	0.4979	0.00054	mg/L				0.11%
Tl 190.800	1621.8	1.028	0.0046	mg/L				0.44%
Zn 206.191	71971.0	1.026	0.0007	mg/L				0.07%

Mean Data

ID: CCB Seq. No.: 42 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/08/02 4:09:13 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3428785.9	1.001	0.0077	mg/L				0.77%
Ag 328.068	-1511.9	0.0006	0.00013	mg/L				22.93%
Al 308.215	4072.6	0.0027	0.00088	mg/L				32.94%
As 188.979	-28.6	0.0002	0.00101	mg/L				509.79%
Ba 233.527	270.1	0.0023	0.00104	mg/L				45.43%
Ca 315.887	2568.8	0.0128	0.00762	mg/L				59.79%
Cd 226.502	-186.0	0.0001	0.00007	mg/L				77.07%
Cr 267.716	-79.6	0.0003	0.00007	mg/L				25.01%
Cu 324.754	2360.0	0.0033	0.00094	mg/L				28.23%
Fe 238.863	-168.7	0.0120	0.00217	mg/L				18.00%
Mg 279.079	-593.2	0.0082	0.00465	mg/L				56.83%
Mn 257.610	-213.4	0.0002	0.00009	mg/L				34.60%
Ni 231.604	-237.8	0.0004	0.00021	mg/L				50.56%
Pb 220.353	26.1	0.0005	0.00042	mg/L				80.20%
Se 196.026	-30.6	-0.0003	0.00353	mg/L				>999.9%
Tl 190.800	-23.0	0.0023	0.00108	mg/L				46.64%
Zn 206.191	265.9	0.0032	0.00035	mg/L				10.76%

Metals Cover Page

Instrument: Optima 1

alyst: SD Date: 2/10/02

Data File: feb10a Reviewed By: CK 2/11/02

Entered By: SD 2/10/02 Manager Approval: CK 2/11/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems
74372 ✓	ag	M2530077	1010B		Repeat R10427

Package Data:

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
R-10459	Pkg 5 / ASP	ag	-	M2530077	YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

Calibration Summary
Method: New 6010B Date: 2/10/02 1:43:37 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

Method: New 6010B
Results: feb10a
Sample Info: 6010b
Method Description: OPTIMA 3000XL #1
IEC: 112801.iec
Spectra Stored: Yes
User: User1
MSF:
Method Stored: Yes
Date: 2/10/02 1:43:37 PM

Mean Data
ID: IS Init
Seq. No.: 1
Data: Original
A/S Pos: 1
Date: 2/10/02 1:45:01 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Y 371.030	4253528.6	12389.97	0.29%

Mean Data
ID: Calib Blank 1
Seq. No.: 2
Data: Original
A/S Pos: 1
Date: 2/10/02 1:46:49 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	4138302.9	8804.65	0.21%	0.973	mg/L
Ag 328.068	-1363.1	26.88	1.97%	0	mg/L
Al 308.215	11462.7	93.74	0.82%	0	mg/L
As 188.979	3.3	2.26	67.68%	0	mg/L
B 249.773	141.7	3.42	2.42%	0	mg/L
Ba 233.527	-12.1	1.85	15.28%	0	mg/L
Be 234.861	-167.9	2.97	1.77%	0	mg/L
C 0.253	7370.8	36.22	0.49%	0	mg/L
C 6.502	-2.0	1.40	68.45%	0	mg/L
Co 228.616	-1.6	2.29	138.91%	0	mg/L
Cr 267.716	280.5	6.44	2.30%	0	mg/L
Cu 324.754	7839.8	53.44	0.68%	0	mg/L
Fe 238.863	20.2	5.50	27.20%	0	mg/L
K 404.721	52.1	0.11	0.21%	0	mg/L
Mg 279.079	523.7	21.58	4.12%	0	mg/L
Mn 257.610	471.2	8.32	1.77%	0	mg/L
Mo 202.030	1.9	0.48	25.41%	0	mg/L
Na 330.237	2238.4	23.80	1.06%	0	mg/L
Ni 231.604	-4.1	0.67	16.47%	0	mg/L
Pb 220.353	8.0	0.28	3.54%	0	mg/L
Sb 206.833	5.6	0.10	1.81%	0	mg/L
Se 196.026	5.8	1.41	24.46%	0	mg/L
Sn 189.933	-10.9	7.02	64.64%	0	mg/L
Ti 334.941	-2329.5	24.23	1.04%	0	mg/L
Tl 190.800	-3.0	0.75	25.38%	0	mg/L
V 292.402	404.0	12.23	3.03%	0	mg/L
Zn 206.191	-1.6	0.66	41.47%	0	mg/L

SDeVlo
2/10/02

Mean Data
ID: Calib Std 1
Seq. No.: 3
Data: Original
A/S Pos: 2
Date: 2/10/02 1:51:36 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	4174590.1	27431.75	0.66%	0.981	mg/L
Ag 328.068	252588.0	464.98	0.18%	1.0000	mg/L
Al 308.215	908891.2	1709.95	0.19%	20.0000	mg/L
As 188.979	650.7	6.20	0.95%	2.0000	mg/L
B 249.773	110272.6	1265.39	1.15%	5.0000	mg/L
Ba 233.527	373791.5	852.02	0.23%	20.0000	mg/L
Be 234.861	61409.0	49.78	0.08%	0.50000	mg/L
C 30.253	637590.2	144.16	0.02%	50.0000	mg/L
Cd 226.502	5756.8	41.25	0.72%	1.0000	mg/L
Co 228.616	19513.2	24.80	0.13%	5.0000	mg/L
Cr 267.716	73801.2	181.02	0.25%	1.0000	mg/L

Cu 324.754	797163.6	542.93	0.07%	2.5000	mg/L
Fe 238.863	19900.7	69.91	0.35%	10.0000	mg/L
K 404.721	1134.1	11.56	1.02%	50.0000	mg/L
Mg .079	480411.7	1363.30	0.28%	50.0000	mg/L
Mn 7.610	412109.0	1344.25	0.33%	1.5000	mg/L
Mo 202.030	7348.8	57.72	0.79%	5.0000	mg/L
Na 330.237	55346.5	216.87	0.39%	50.0000	mg/L
Ni 231.604	16443.0	33.73	0.21%	4.0000	mg/L
Pb 220.353	554.0	4.85	0.88%	1.0000	mg/L
Sb 206.833	3701.5	20.27	0.55%	10.0000	mg/L
Se 196.026	263.2	0.99	0.38%	1.0000	mg/L
Sn 189.933	8356.3	57.06	0.68%	10.0000	mg/L
Ti 334.941	6802330.4	11614.88	0.17%	5.0000	mg/L
Tl 190.800	609.4	1.97	0.32%	2.0000	mg/L
V 292.402	756680.4	1245.31	0.16%	5.0000	mg/L
Zn 206.191	9893.3	0.68	0.01%	2.0000	mg/L

Calibration Summary

Method: New 6010B Date: 2/10/02 1:53:01 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	1	Linear	-1363.1	253951.0	0.00000	1.000000
Al 308.215	1	Linear	11462.7	44871.4	0.00000	1.000000
As 188.979	1	Linear	3.3	323.7	0.00000	1.000000
B 249.773	1	Linear	141.7	22026.2	0.00000	1.000000
Ba 233.527	1	Linear	-12.1	18690.2	0.00000	1.000000
Be 234.861	1	Linear	-167.9	123153.8	0.00000	1.000000
Ca 430.253	1	Linear	7370.8	12604.4	0.00000	1.000000
Cd 226.502	1	Linear	-2.0	5758.9	0.00000	1.000000
Co 228.616	1	Linear	-1.6	3903.0	0.00000	1.000000
Cr 267.716	1	Linear	280.5	73520.7	0.00000	1.000000
Cu 324.754	1	Linear	7839.8	315729.5	0.00000	1.000000
Fe 238.863	1	Linear	20.2	1988.0	0.00000	1.000000
K .721	1	Linear	52.1	21.6	0.00000	1.000000
Mg .079	1	Linear	523.7	9597.8	0.00000	1.000000
Mn 257.610	1	Linear	471.2	274425.2	0.00000	1.000000
Mo 202.030	1	Linear	1.9	1469.4	0.00000	1.000000
Na 330.237	1	Linear	2238.4	1062.2	0.00000	1.000000
Ni 231.604	1	Linear	-4.1	4111.8	0.00000	1.000000
Pb 220.353	1	Linear	8.0	546.0	0.00000	1.000000
Sb 206.833	1	Linear	5.6	369.6	0.00000	1.000000
Se 196.026	1	Linear	5.8	257.5	0.00000	1.000000
Sn 189.933	1	Linear	-10.9	836.7	0.00000	1.000000
Ti 334.941	1	Linear	-2329.5	1360932.0	0.00000	1.000000
Tl 190.800	1	Linear	-3.0	306.2	0.00000	1.000000
V 292.402	1	Linear	404.0	151255.3	0.00000	1.000000
Zn 206.191	1	Linear	-1.6	4947.4	0.00000	1.000000

Mean Data

ID: HIGH CHECK Seq. No.: 4 Sample No.: 10 A/S Pos: 2

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/10/02 1:56:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4210379.0	0.990	0.0030	mg/L				0.31%
Ag 328.068	251037.5	0.9939	0.00408	mg/L				0.41%
Al 308.215	902067.7	19.85	0.040	mg/L				0.20%
As 188.979	645.2	2.065	0.0041	mg/L				0.20%
B 249.773	111698.9	5.065	0.0747	mg/L				1.48%
Ba 233.527	370843.2	19.84	0.063	mg/L				0.32%
Be 234.861	61021.7	0.4969	0.00392	mg/L				0.79%
Ca 430.253	633296.2	49.66	0.133	mg/L				0.27%
Cd 226.502	5707.2	0.9914	0.00451	mg/L				0.45%
Co 228.616	19337.5	4.955	0.0446	mg/L				0.90%
Cr 267.716	73168.3	0.9914	0.00943	mg/L				0.95%
Cu 4.754	793317.0	2.488	0.0096	mg/L				0.38%
Fe 8.863	19705.0	9.902	0.1104	mg/L				1.11%
K 404.721	1083.0	47.64	1.667	mg/L				3.50%
Mg 279.079	475785.1	49.52	0.099	mg/L				0.20%
Mn 257.610	408459.4	1.487	0.0022	mg/L				0.15%

Mo 202.030	7282.7	4.955	0.0140	mg/L	0.28%
Na 330.237	54910.1	49.59	0.475	mg/L	0.96%
Ni [illegible]1.604	16292.0	3.963	0.0351	mg/L	0.89%
P [illegible].353	549.5	0.9917	0.00172	mg/L	0.17%
Sb [illegible].833	3674.8	9.928	0.0340	mg/L	0.34%
Se 196.026	260.6	0.9898	0.00534	mg/L	0.54%
Sn 189.933	8258.0	9.883	0.0445	mg/L	0.45%
Ti 334.941	6793910.6	4.994	0.0083	mg/L	0.17%
Tl 190.800	609.1	1.999	0.0076	mg/L	0.38%
V 292.402	751490.2	4.966	0.0184	mg/L	0.37%
Zn 206.191	9820.3	1.985	0.0153	mg/L	0.77%

Mean Data

ID: ICV | Seq. No.: 5 | Sample No.: 1 | A/S Pos: 3
Sample Qty: 1.0000 g | Prep. Vol.: 1.0 L | Dilution: 1.0: 1.0
Data: Original | Date: 2/10/02 2:01:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4160029.1	0.978	0.0011	mg/L				0.11%
Ag 328.068	125199.8	0.4984	0.00456	mg/L				0.91%
Al 308.215	474513.2	10.32	0.009	mg/L				0.09%
As 188.979	343.0	1.091	0.0066	mg/L				0.61%
B 249.773	58452.0	2.647	0.0336	mg/L				1.27%
Ba 233.527	194304.9	10.40	0.091	mg/L				0.88%
Be 234.861	31068.9	0.2536	0.00265	mg/L				1.05%
Ca 430.253	325311.8	25.22	0.022	mg/L				0.09%
Cd 226.502	3007.1	0.5225	0.00062	mg/L				0.12%
Co 228.616	10111.5	2.591	0.0195	mg/L				0.75%
Cr 267.716	38135.5	0.5149	0.00463	mg/L				0.90%
Cu 324.754	423168.7	1.315	0.0017	mg/L				0.13%
Fe 238.863	10302.7	5.172	0.0430	mg/L				0.83%
K 404.721	615.0	26.01	0.878	mg/L				3.38%
Mg 279.079	253289.8	26.34	0.039	mg/L				0.15%
Mn 257.610	216239.3	0.7863	0.00167	mg/L				0.21%
M[illegible]2.030	3696.1	2.514	0.0047	mg/L				0.19%
N[illegible].237	28155.2	24.40	0.197	mg/L				0.81%
Ni [illegible]1.604	8644.1	2.103	0.0210	mg/L				1.00%
Pb 220.353	289.8	0.5161	0.00216	mg/L				0.42%
Sb 206.833	1888.6	5.095	0.0096	mg/L				0.19%
Se 196.026	136.4	0.5074	0.00250	mg/L				0.49%
Sn 189.933	4388.2	5.258	0.0146	mg/L				0.28%
Ti 334.941	3440288.4	2.530	0.0019	mg/L				0.08%
Tl 190.800	322.2	1.062	0.0056	mg/L				0.53%
V 292.402	393012.7	2.596	0.0015	mg/L				0.06%
Zn 206.191	5124.6	1.036	0.0059	mg/L				0.57%

Mean Data

ID: ICB | Seq. No.: 6 | Sample No.: 3 | A/S Pos: 1
Sample Qty: 1.0000 g | Prep. Vol.: 1.0 L | Dilution: 1.0: 1.0
Data: Original | Date: 2/10/02 2:05:31 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4103020.0	0.965	0.0043	mg/L				0.44%
Ag 328.068	-1259.1	0.0004	0.00011	mg/L				27.25%
Al 308.215	11720.3	0.0057	0.00112	mg/L				19.48%
As 188.979	2.6	-0.0022	0.00028	mg/L				12.64%
B 249.773	2765.0	0.1191	0.01972	mg/L				16.55%
Ba 233.527	26.0	0.0020	0.00006	mg/L				2.74%
Be 234.861	-159.7	0.0001	0.00001	mg/L				20.25%
Ca 430.253	7436.1	0.0052	0.00019	mg/L				3.74%
Cd 226.502	-3.2	-0.0002	0.00029	mg/L				144.96%
Co 228.616	-0.7	0.0002	0.00026	mg/L				109.53%
Cr 267.716	298.5	0.0002	0.00024	mg/L				96.96%
Cu 324.754	8800.5	0.0030	0.00049	mg/L				15.99%
Fe 238.863	31.7	0.0058	0.00001	mg/L				0.20%
K 404.721	152.0	4.614	0.7533	mg/L				16.33%
* xceeds upper limit for K 404.721 Action = Continue								
M[illegible]9.079	555.3	0.0033	0.00160	mg/L				48.58%
Mn 257.610	653.0	0.0007	0.00006	mg/L				9.75%
Mo 202.030	5.4	0.0024	0.00021	mg/L				8.89%
Na 330.237	2293.8	0.0521	0.04344	mg/L				83.37%

Ni 231.604	-0.2	0.0009	0.00013	mg/L	13.65%
Pb 220.353	7.2	-0.0015	0.00051	mg/L	34.36%
Sb 206.833	10.0	0.0121	0.00034	mg/L	2.82%
[illegible]6.026	6.9	0.0044	0.00127	mg/L	28.87%
[illegible]9.933	10.1	0.0251	0.00536	mg/L	21.37%
Ti 334.941	-1481.7	0.0006	0.00022	mg/L	34.74%
Tl 190.800	-3.1	-0.0004	0.00142	mg/L	335.37%
V 292.402	477.1	0.0005	0.00069	mg/L	142.41%
Zn 206.191	-1.2	0.0001	0.00001	mg/L	12.33%

Mean Data

ID: CRI Seq. No.: 7 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:10:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4197842.8	0.987	0.0022	mg/L				0.22%
Ag 328.068	3460.1	0.0190	0.00002	mg/L				0.12%
Al 308.215	11454.4	-0.0002	0.00056	mg/L				304.79%
As 188.979	7.9	0.0140	0.00625	mg/L				44.77%
B 249.773	1488.9	0.0612	0.00782	mg/L				12.78%
Ba 233.527	-3.9	0.0004	0.00004	mg/L				10.19%
Be 234.861	996.6	0.0095	0.00004	mg/L				0.40%
Ca 430.253	7424.5	0.0043	0.00432	mg/L				101.65%
Cd 226.502	58.3	0.0105	0.00016	mg/L				1.49%
Co 228.616	416.3	0.1071	0.00103	mg/L				0.96%
Cr 267.716	1790.1	0.0205	0.00042	mg/L				2.06%
Cu 324.754	23600.2	0.0499	0.00021	mg/L				0.43%
Fe 238.863	42.4	0.0112	0.00246	mg/L				22.08%
K 404.721	94.3	1.951	1.9494	mg/L				99.91%
Mg 279.079	495.2	-0.0030	0.00036	mg/L				12.11%
Mn 257.610	9305.5	0.0322	0.00028	mg/L				0.86%
Mo 202.030	1.7	-0.0001	0.00021	mg/L				204.15%
Na 330.237	2210.4	-0.0263	0.06141	mg/L				233.13%
N[illegible]31.604	347.0	0.0854	0.00001	mg/L				0.02%
[illegible]0.353	10.5	0.0047	0.00066	mg/L				14.04%
S[illegible]06.833	53.7	0.1301	0.00180	mg/L				1.38%
Se 196.026	9.9	0.0159	0.00492	mg/L				30.86%
Sn 189.933	-0.1	0.0129	0.00258	mg/L				20.04%
Ti 334.941	-2014.8	0.0002	0.00004	mg/L				18.71%
Tl 190.800	4.4	0.0241	0.00210	mg/L				8.69%
V 292.402	15678.3	0.1010	0.00105	mg/L				1.04%
Zn 206.191	205.3	0.0418	0.00003	mg/L				0.08%

Mean Data

ID: ICSA Seq. No.: 8 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:15:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3759939.8	0.884	0.0093	mg/L				1.05%
Ag 328.068	-8430.3	0.0044	0.00005	mg/L				1.24%
Al 308.215	22886523.9	509.8	8.35	mg/L				1.64%
As 188.979	-397.9	-0.2936	0.02427	mg/L				8.27%
B 249.773	6170.2	0.0029	0.00292	mg/L				99.71%
Ba 233.527	572.3	0.0313	0.00014	mg/L				0.45%
Be 234.861	4378.2	-0.0049	0.00014	mg/L				2.77%
Ca 430.253	6988126.3	553.8	10.55	mg/L				1.91%
Cd 226.502	130.4	-0.0019	0.00038	mg/L				19.85%
Co 228.616	5.8	0.0019	0.00071	mg/L				37.59%
Cr 267.716	-90.3	-0.0050	0.00126	mg/L				25.06%
Cu 324.754	-7978.3	0.0242	0.00034	mg/L				1.40%
Fe 238.863	365109.8	183.6	1.04	mg/L				0.57%
K 404.721	-179.0	-5.394	0.5912	mg/L				10.96%
Mg 279.079	4772487.4	497.2	8.27	mg/L				1.66%
Mn 257.610	3616.9	0.0115	0.00017	mg/L				1.47%
[illegible]2.030	-47.1	-0.0333	0.00047	mg/L				1.42%
[illegible]0.237	2193.7	-0.0421	0.08255	mg/L				196.19%
Ni 231.604	-16.0	-0.0029	0.00003	mg/L				1.05%
Pb 220.353	-49.3	-0.0345	0.00823	mg/L				23.85%
Sb 206.833	0.9	0.0026	0.00709	mg/L				274.46%

Se 196.026	12.0	-0.0188	0.01361 mg/L		72.34%
Sn 189.933	1315.7	0.7266	0.00449 mg/L		0.62%
Ti 334.941	-10248.3	-0.0058	0.00007 mg/L		1.12%
Tl 190.800	-12.9	0.0187	0.00833 mg/L		44.50%
V 292.402	290.6	-0.0007	0.00007 mg/L		9.86%
Zn 206.191	91.7	0.0019	0.00030 mg/L		15.31%

Mean Data

ID: ICSAB Seq. No.: 9 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:20:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3806440.9	0.895	0.0100	mg/L				1.12%
Ag 328.068	270528.5	1.102	0.0002	mg/L				0.02%
Al 308.215	22428855.4	499.6	2.24	mg/L				0.45%
As 188.979	-396.5	-0.3038	0.02037	mg/L				6.71%
B 249.773	5814.6	-0.0093	0.00383	mg/L				41.02%
Ba 233.527	10513.1	0.5631	0.00691	mg/L				1.23%
Be 234.861	67273.6	0.5064	0.00044	mg/L				0.09%
Ca 430.253	6879955.5	545.3	0.52	mg/L				0.10%
Cd 226.502	5552.7	0.9400	0.00869	mg/L				0.92%
Co 228.616	1758.9	0.4511	0.00277	mg/L				0.61%
Cr 267.716	35504.8	0.4791	0.00639	mg/L				1.33%
Cu 324.754	156734.6	0.5448	0.00485	mg/L				0.89%
Fe 238.863	359877.4	181.0	0.21	mg/L				0.12%
K 404.721	-155.6	-4.382	1.5937	mg/L				36.37%
Mg 279.079	4672836.8	486.8	2.33	mg/L				0.48%
Mn 257.610	134535.4	0.4885	0.00836	mg/L				1.71%
Mo 202.030	-44.3	-0.0314	0.00052	mg/L				1.66%
Na 330.237	1059.8	-1.110	0.0532	mg/L				4.80%
Ni 231.604	3661.9	0.8916	0.00910	mg/L				1.02%
Pb 220.353	485.8	0.9442	0.00452	mg/L				0.48%
Sb 206.833	0.6	0.0017	0.00026	mg/L				15.74%
Se 196.026	4.5	-0.0474	0.01971	mg/L				41.59%
Sn 189.933	1301.6	0.7230	0.01408	mg/L				1.95%
Ti 334.941	-9831.5	-0.0055	0.00007	mg/L				1.30%
Tl 190.800	-16.5	0.0060	0.00318	mg/L				52.96%
V 292.402	74756.9	0.4916	0.00559	mg/L				1.14%
Zn 206.191	4554.9	0.9044	0.00900	mg/L				1.00%

Mean Data

ID: CCV Seq. No.: 10 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:24:56 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4137208.2	0.973	0.0032	mg/L				0.33%
Ag 328.068	126642.6	0.5041	0.00460	mg/L				0.91%
Al 308.215	471845.6	10.26	0.016	mg/L				0.16%
As 188.979	332.3	1.058	0.0035	mg/L				0.33%
B 249.773	55869.1	2.530	0.0504	mg/L				1.99%
Ba 233.527	195899.5	10.48	0.078	mg/L				0.74%
Be 234.861	31411.8	0.2564	0.00277	mg/L				1.08%
Ca 430.253	323379.4	25.07	0.042	mg/L				0.17%
Cd 226.502	3003.1	0.5218	0.00046	mg/L				0.09%
Co 228.616	10113.9	2.592	0.0056	mg/L				0.22%
Cr 267.716	38337.3	0.5176	0.00326	mg/L				0.63%
Cu 324.754	421148.6	1.309	0.0009	mg/L				0.07%
Fe 238.863	10426.1	5.234	0.1023	mg/L				1.95%
K 404.721	617.9	26.14	0.670	mg/L				2.56%
Mg 279.079	251846.3	26.19	0.025	mg/L				0.09%
Mn 257.610	213925.9	0.7778	0.00033	mg/L				0.04%
Mo 202.030	3645.4	2.480	0.0046	mg/L				0.19%
Na 330.237	28145.0	24.39	0.118	mg/L				0.49%
Ni 231.604	8684.2	2.113	0.0132	mg/L				0.63%
Pb 220.353	287.9	0.5126	0.00048	mg/L				0.09%
Sb 206.833	1860.7	5.019	0.0058	mg/L				0.12%
Se 196.026	136.8	0.5089	0.00135	mg/L				0.26%
Sn 189.933	4338.4	5.198	0.0163	mg/L				0.31%
Ti 334.941	3412267.2	2.509	0.0046	mg/L				0.18%

Tl 190.800	321.9	1.061	0.0111 mg/L		1.04%
V 292.402	391560.7	2.586	0.0041 mg/L		0.16%
Zn 206.191	5219.7	1.055	0.0105 mg/L		1.00%

Mean Data
ID: CCB Seq. No.: 11 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:29:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4157103.3	0.977	0.0068	mg/L				0.69%
Ag 328.068	-1270.0	0.0004	0.00010	mg/L				26.50%
Al 308.215	13203.2	0.0388	0.02139	mg/L				55.15%
As 188.979	3.4	0.0003	0.00050	mg/L				171.55%
B 249.773	1487.8	0.0611	0.01298	mg/L				21.24%
Ba 233.527	13.2	0.0014	0.00051	mg/L				37.81%
Be 234.861	-159.6	0.0001	0.00001	mg/L				19.41%
Ca 430.253	7802.1	0.0342	0.01184	mg/L				34.62%
Cd 226.502	-4.9	-0.0005	0.00052	mg/L				104.81%
Co 228.616	-3.2	-0.0004	0.00055	mg/L				139.43%
Cr 267.716	301.8	0.0003	0.00001	mg/L				4.35%
Cu 324.754	8443.7	0.0019	0.00079	mg/L				41.08%
Fe 238.863	47.5	0.0138	0.00579	mg/L				42.14%
K 404.721	58.3	0.2867	3.36301	mg/L				>999.9%
Mg 279.079	855.8	0.0346	0.01850	mg/L				53.47%
Mn 257.610	582.3	0.0004	0.00004	mg/L				8.77%
Mo 202.030	3.2	0.0009	0.00066	mg/L				75.81%
Na 330.237	2280.1	0.0393	0.00885	mg/L				22.55%
Ni 231.604	-3.8	0.0001	0.00008	mg/L				111.01%
Pb 220.353	6.4	-0.0029	0.00123	mg/L				42.93%
Sb 206.833	10.1	0.0122	0.00663	mg/L				54.45%
Se 196.026	7.0	0.0047	0.00393	mg/L				83.66%
Sn 189.933	6.5	0.0208	0.00760	mg/L				36.60%
Ti 334.941	-1602.3	0.0005	0.00026	mg/L				48.82%
Tl 190.800	-4.0	-0.0033	0.00067	mg/L				20.67%
V 292.402	440.5	0.0002	0.00027	mg/L				112.24%
Zn 206.191	-0.3	0.0003	0.00050	mg/L				194.70%

Mean Data
ID: PBS-M2530077 Seq. No.: 12 Sample No.: 1 A/S Pos: 9
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:34:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4143782.2	0.974	0.0119	mg/L				1.23%
Ag 328.068	-1326.3	0.0001	0.00006	mg/L				38.72%
Al 308.215	11907.3	0.0099	0.00001	mg/L				0.15%
As 188.979	3.5	0.0004	0.00259	mg/L				681.79%
B 249.773	796.3	0.0297	0.00266	mg/L				8.96%
Ba 233.527	-2.9	0.0005	0.00007	mg/L				13.88%
Be 234.861	-177.0	-0.0001	0.00002	mg/L				22.21%
Ca 430.253	7516.3	0.0115	0.00977	mg/L				84.66%
Cd 226.502	-5.1	-0.0005	0.00017	mg/L				32.83%
Co 228.616	-2.6	-0.0002	0.00026	mg/L				109.24%
Cr 267.716	345.1	0.0009	0.00024	mg/L				26.90%
Cu 324.754	8400.8	0.0018	0.00007	mg/L				3.87%
Fe 238.863	47.0	0.0135	0.00195	mg/L				14.47%
K 404.721	96.1	2.033	0.6637	mg/L				32.64%
Mg 279.079	590.4	0.0070	0.00088	mg/L				12.73%
Mn 257.610	558.9	0.0003	0.00001	mg/L				4.49%
Mo 202.030	3.8	0.0013	0.00013	mg/L				10.21%
Na 330.237	2705.2	0.4395	0.03226	mg/L				7.34%
Ni 231.604	-5.0	-0.0002	0.00013	mg/L				55.72%
Pb 220.353	7.9	-0.0001	0.00279	mg/L				>999.9%
Sb 206.833	7.8	0.0061	0.00300	mg/L				49.47%
Se 196.026	8.0	0.0086	0.00797	mg/L				93.09%
Sn 189.933	5.1	0.0190	0.00277	mg/L				14.56%
Ti 334.941	-2030.2	0.0002	0.00003	mg/L				15.61%
Tl 190.800	-3.6	-0.0020	0.00430	mg/L				212.19%
V 292.402	410.1	0.0000	0.00037	mg/L				928.11%
Zn 206.191	6.2	0.0016	0.00018	mg/L				11.67%

Mean Data
ID SS-M2530077 Seq. No.: 13 Sample No.: 2 A/S Pos: 10
Sa Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:38:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4171069.1	0.981	0.0038	mg/L				0.39%
Ag 328.068	243887.2	0.9823	0.00137	mg/L				0.14%
Al 308.215	2440841.6	54.14	0.071	mg/L				0.13%
As 188.979	478.5	1.650	0.0028	mg/L				0.17%
B 249.773	13132.5	0.5898	0.00564	mg/L				0.96%
Ba 233.527	36855.2	1.973	0.0108	mg/L				0.55%
Be 234.861	62257.5	0.4854	0.00198	mg/L				0.41%
Ca 430.253	1391692.0	109.8	0.04	mg/L				0.03%
Cd 226.502	4203.7	0.7175	0.00487	mg/L				0.68%
Co 228.616	9366.9	2.400	0.0093	mg/L				0.39%
Cr 267.716	113068.0	1.534	0.0071	mg/L				0.46%
Cu 324.754	325761.8	1.045	0.0015	mg/L				0.14%
Fe 238.863	187249.3	94.18	0.623	mg/L				0.66%
K 404.721	569.8	30.26	1.931	mg/L				6.38%
Mg 279.079	246235.5	25.60	0.006	mg/L				0.02%
Mn 257.610	1098103.5	4.000	0.0049	mg/L				0.12%
Mo 202.030	694.1	0.4711	0.00165	mg/L				0.35%
Na 330.237	9964.6	7.274	0.1071	mg/L				1.47%
Ni 231.604	3385.0	0.8242	0.00728	mg/L				0.88%
Pb 220.353	724.5	1.321	0.0159	mg/L				1.20%
Sb 206.833	80.0	0.2013	0.00065	mg/L				0.32%
Se 196.026	410.9	1.554	0.0028	mg/L				0.18%
Sn 189.933	1311.4	1.580	0.0127	mg/L				0.80%
Ti 334.941	2067979.9	1.521	0.0008	mg/L				0.05%
Tl 190.800	269.2	0.8889	0.00127	mg/L				0.14%
V 292.402	274796.7	1.814	0.0027	mg/L				0.15%
Zn 206.191	14230.0	2.877	0.0144	mg/L				0.50%

Mean Data
ID: 526807 Seq. No.: 14 Sample No.: 3 A/S Pos: 11
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:43:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4143800.1	0.974	0.0038	mg/L				0.39%
Ag 328.068	-9263.7	0.0030	0.00032	mg/L				10.73%
Al 308.215	1951089.6	43.23	0.029	mg/L				0.07%
As 188.979	-128.9	-0.1152	0.00273	mg/L				2.37%
B 249.773	10659.0	0.1909	0.00020	mg/L				0.11%
Ba 233.527	26710.8	1.430	0.0086	mg/L				0.60%
Be 234.861	5156.6	-0.0011	0.00012	mg/L				10.91%
Ca 430.253	2235904.8	176.8	0.03	mg/L				0.02%
Cd 226.502	168.9	0.0033	0.00033	mg/L				9.87%
Co 228.616	175.8	0.0455	0.00044	mg/L				0.97%
Cr 267.716	32207.7	0.4343	0.00266	mg/L				0.61%
Cu 324.754	196894.3	0.6774	0.00157	mg/L				0.23%
Fe 238.863	386484.8	194.4	0.21	mg/L				0.11%
K 404.721	169.9	16.27	2.044	mg/L				12.56%
Mg 279.079	233078.6	24.23	0.027	mg/L				0.11%
Mn 257.610	771497.5	2.810	0.0007	mg/L				0.02%
Mo 202.030	91.1	0.0607	0.00249	mg/L				4.11%
Na 330.237	-2254.4	-4.230	0.0415	mg/L				0.98%
Ni 231.604	983.0	0.2401	0.00082	mg/L				0.34%
Pb 220.353	618.2	1.126	0.0044	mg/L				0.39%
Sb 206.833	-1.6	-0.0033	0.00370	mg/L				113.27%
Se 196.026	2.6	-0.0457	0.00071	mg/L				1.56%
Sn 189.933	614.6	0.7475	0.00204	mg/L				0.27%
Ti 334.941	1758906.1	1.294	0.0002	mg/L				0.02%
Tl 190.800	-10.8	-0.0256	0.00443	mg/L				17.26%
V 292.402	17670.6	0.1142	0.00051	mg/L				0.44%
Zn 206.191	22708.9	4.590	0.0205	mg/L				0.45%

Mean Data
ID: 526811 Seq. No.: 15 Sample No.: 4 A/S Pos: 12

ample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:47:51 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4191440.0	0.985	0.0004	mg/L				0.04%
g 328.068	-3111.1	-0.0069	0.00018	mg/L				2.56%
l 308.215	1913839.5	42.40	0.090	mg/L				0.21%
s 188.979	-138.0	-0.1379	0.01275	mg/L				9.25%
249.773	3031.4	0.1312	0.00064	mg/L				0.49%
a 233.527	27937.2	1.495	0.0004	mg/L				0.03%
e 234.861	1494.3	0.0020	0.00009	mg/L				4.69%
a 430.253	2277433.3	180.1	0.46	mg/L				0.25%
d 226.502	44.0	0.0012	0.00037	mg/L				31.78%
o 228.616	100.4	0.0262	0.00012	mg/L				0.45%
r 267.716	6695.8	0.0873	0.00037	mg/L				0.43%
u 324.754	32382.5	0.0981	0.00040	mg/L				0.41%
e 238.863	100285.1	50.43	0.125	mg/L				0.25%
404.721	480.5	20.89	1.776	mg/L				8.50%
g 279.079	232854.5	24.21	0.062	mg/L				0.26%
n 257.610	454951.3	1.656	0.0037	mg/L				0.22%
o 202.030	-0.2	-0.0014	0.00110	mg/L				79.58%
a 330.237	2589.4	0.3304	0.04061	mg/L				12.29%
i 231.604	176.5	0.0439	0.00091	mg/L				2.07%
b 220.353	176.5	0.3168	0.00381	mg/L				1.20%
b 206.833	1.5	-0.0111	0.00232	mg/L				21.03%
e 196.026	-2.7	-0.0376	0.01840	mg/L				48.98%
n 189.933	651.7	0.7918	0.00222	mg/L				0.28%
i 334.941	2272792.0	1.672	0.0026	mg/L				0.15%
l 190.800	-9.6	-0.0218	0.00469	mg/L				21.50%
292.402	16733.0	0.1080	0.00024	mg/L				0.22%
n 206.191	3613.2	0.7306	0.00077	mg/L				0.11%

lean Data
D: 526812 Seq. No.: 16 Sample No.: 5 A/S Pos: 13
e Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:52:23 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4176999.7	0.982	0.0013	mg/L				0.13%
g 328.068	-3758.8	0.0034	0.00010	mg/L				2.83%
l 308.215	2843898.1	63.12	0.016	mg/L				0.03%
s 188.979	-207.1	-0.1737	0.00976	mg/L				5.62%
249.773	4022.9	0.1762	0.00040	mg/L				0.23%
a 233.527	53982.2	2.889	0.0093	mg/L				0.32%
e 234.861	2160.1	0.0023	0.00006	mg/L				2.74%
a 430.253	3630061.6	287.4	0.15	mg/L				0.05%
d 226.502	52.1	-0.0005	0.00031	mg/L				63.65%
o 228.616	135.0	0.0350	0.00013	mg/L				0.38%
r 267.716	14839.5	0.1980	0.00013	mg/L				0.07%
u 324.754	31030.8	0.1030	0.00059	mg/L				0.57%
Fe 238.863	145076.7	72.96	0.140	mg/L				0.19%
K 404.721	595.2	26.34	0.033	mg/L				0.13%
Mg 279.079	371126.5	38.61	0.063	mg/L				0.16%
Mn 257.610	503811.6	1.834	0.0040	mg/L				0.22%
Mo 202.030	-10.7	-0.0085	0.00016	mg/L				1.84%
Na 330.237	5564.4	3.131	0.0047	mg/L				0.15%
Ni 231.604	283.2	0.0699	0.00016	mg/L				0.23%
Pb 220.353	252.9	0.4658	0.01207	mg/L				2.59%
Sb 206.833	2.3	-0.0089	0.00756	mg/L				85.37%
Se 196.026	-1.1	-0.0325	0.00198	mg/L				6.09%
Sn 189.933	851.5	1.031	0.0048	mg/L				0.46%
Ti 334.941	3599122.3	2.646	0.0011	mg/L				0.04%
Tl 190.800	-11.2	-0.0157	0.00065	mg/L				4.11%
V 292.402	21665.7	0.1406	0.00039	mg/L				0.28%
Zn 206.191	1290.8	0.2612	0.00096	mg/L				0.37%

M Data
ID: 526813 Seq. No.: 17 Sample No.: 6 A/S Pos: 14
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 2:56:55 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4204683.0	0.989	0.0024	mg/L				0.25%
A 1.068	-3310.2	0.0024	0.00001	mg/L				0.50%
A. d.215	2556637.5	56.72	0.033	mg/L				0.06%
As 188.979	-136.7	-0.1145	0.00392	mg/L				3.42%
B 249.773	3563.5	0.1554	0.00107	mg/L				0.69%
Ba 233.527	40697.3	2.178	0.0122	mg/L				0.56%
Be 234.861	1766.4	0.0026	0.00018	mg/L				6.87%
Ca 430.253	2425577.1	191.9	0.01	mg/L				0.01%
Cd 226.502	39.1	-0.0007	0.00009	mg/L				13.11%
Co 228.616	111.8	0.0291	0.00015	mg/L				0.50%
Cr 267.716	3938.4	0.0498	0.00002	mg/L				0.05%
Cu 324.754	19899.8	0.0615	0.00038	mg/L				0.61%
Fe 238.863	114344.6	57.51	0.519	mg/L				0.90%
K 404.721	641.6	28.66	0.210	mg/L				0.73%
Mg 279.079	376588.8	39.18	0.066	mg/L				0.17%
Mn 257.610	437627.6	1.593	0.0005	mg/L				0.03%
Mo 202.030	-34.5	-0.0247	0.00176	mg/L				7.12%
Na 330.237	6226.6	3.755	0.0520	mg/L				1.38%
Ni 231.604	167.5	0.0417	0.00030	mg/L				0.71%
Pb 220.353	29.8	0.0523	0.00002	mg/L				0.05%
Sb 206.833	1.6	-0.0107	0.00305	mg/L				28.65%
Se 196.026	-1.4	-0.0333	0.01043	mg/L				31.36%
Sn 189.933	715.7	0.8683	0.00504	mg/L				0.58%
Ti 334.941	3305207.3	2.430	0.0007	mg/L				0.03%
Tl 190.800	-8.9	-0.0194	0.00478	mg/L				24.64%
V 292.402	23169.5	0.1505	0.00124	mg/L				0.82%
Zn 206.191	1061.7	0.2149	0.00028	mg/L				0.13%

Mean Data

ID: 526814 Seq. No.: 18 Sample No.: 7 A/S Pos: 15
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:01:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
E it	4127267.2	0.970	0.0041	mg/L				0.42%
Y .1.030	-2973.6	-0.0063	0.00030	mg/L				4.77%
Ag 328.068	2378420.1	52.75	0.061	mg/L				0.12%
Al 308.215	-144.8	-0.1288	0.00256	mg/L				1.99%
As 188.979	3116.5	0.1351	0.00248	mg/L				1.84%
B 249.773	41603.3	2.227	0.0252	mg/L				1.13%
Ba 233.527	1564.3	0.0027	0.00006	mg/L				2.33%
Be 234.861	2506057.1	198.2	0.03	mg/L				0.02%
Ca 430.253	35.8	-0.0002	0.00079	mg/L				378.35%
Cd 226.502	107.2	0.0279	0.00070	mg/L				2.52%
Co 228.616	3486.6	0.0436	0.00033	mg/L				0.76%
Cr 267.716	19479.2	0.0571	0.00111	mg/L				1.95%
Cu 324.754	99387.8	49.98	0.701	mg/L				1.40%
Fe 238.863	565.9	24.57	2.923	mg/L				11.90%
K 404.721	361557.3	37.62	0.116	mg/L				0.31%
Mg 279.079	426784.3	1.553	0.0043	mg/L				0.28%
Mn 257.610	-37.0	-0.0264	0.00011	mg/L				0.42%
Mo 202.030	6331.0	3.853	0.1081	mg/L				2.81%
Na 330.237	162.0	0.0404	0.00018	mg/L				0.45%
Ni 231.604	26.9	0.0471	0.00283	mg/L				6.01%
Pb 220.353	2.7	-0.0078	0.00238	mg/L				30.41%
Sb 206.833	0.4	-0.0246	0.00098	mg/L				3.97%
Se 196.026	725.4	0.8800	0.00645	mg/L				0.73%
Sn 189.933	3382554.7	2.487	0.0046	mg/L				0.18%
Ti 334.941	-9.6	-0.0218	0.00225	mg/L				10.31%
Tl 190.800	21171.1	0.1373	0.00171	mg/L				1.24%
V 292.402	1094.8	0.2216	0.00091	mg/L				0.41%
Zn 206.191								

Mean Data

ID: 526815 Seq. No.: 19 Sample No.: 8 A/S Pos: 16
Sample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:05:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4163494.9	0.979	0.0023	mg/L				0.24%

Ag 328.068	-3729.0	0.0019	0.00020	mg/L	10.13%
Al 308.215	2827960.6	62.77	0.081	mg/L	0.13%
As [illegible]8.979	-92.0	-0.0755	0.01086	mg/L	14.38%
B 773	3258.0	0.1415	0.00061	mg/L	0.43%
Ba [illegible]3.527	35991.3	1.926	0.0020	mg/L	0.11%
Be 234.861	2009.8	0.0031	0.00010	mg/L	3.38%
Ca 430.253	1672898.8	132.1	0.08	mg/L	0.06%
Cd 226.502	69.1	0.0037	0.00012	mg/L	3.16%
Co 228.616	131.6	0.0341	0.00029	mg/L	0.85%
Cr 267.716	6139.1	0.0797	0.00000	mg/L	0.00%
Cu 324.754	32491.5	0.1040	0.00016	mg/L	0.16%
Fe 238.863	127347.5	64.05	0.230	mg/L	0.36%
K 404.721	475.2	23.86	1.193	mg/L	5.00%
Mg 279.079	301700.3	31.38	0.108	mg/L	0.34%
Mn 257.610	626248.0	2.280	0.0062	mg/L	0.27%
Mo 202.030	-17.5	-0.0132	0.00133	mg/L	10.06%
Na 330.237	-10171.4	-11.68	0.102	mg/L	0.88%
Ni 231.604	210.1	0.0521	0.00031	mg/L	0.60%
Pb 220.353	1078.3	1.970	0.0039	mg/L	0.20%
Sb 206.833	-0.4	-0.0162	0.00095	mg/L	5.85%
Se 196.026	0.0	-0.0351	0.00164	mg/L	4.69%
Sn 189.933	575.0	0.7001	0.00533	mg/L	0.76%
Ti 334.941	3763627.0	2.767	0.0056	mg/L	0.20%
Tl 190.800	-8.3	-0.0173	0.00587	mg/L	33.92%
V 292.402	19738.0	0.1278	0.00008	mg/L	0.06%
Zn 206.191	57182.8	11.56	0.020	mg/L	0.17%

Mean Data

ID: 526816 Seq. No.: 20 Sample No.: 9 A/S Pos: 17
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:10:31 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4218348.6	0.992	0.0025	mg/L				0.25%
Ag [illegible].068	-3393.2	-0.0080	0.00005	mg/L				0.57%
Al [illegible].215	2539464.2	56.34	0.069	mg/L				0.12%
As [illegible]8.979	-99.9	-0.0945	0.00002	mg/L				0.02%
B 249.773	3156.9	0.1369	0.00106	mg/L				0.78%
Ba 233.527	28774.2	1.540	0.0005	mg/L				0.03%
Be 234.861	1732.2	0.0027	0.00009	mg/L				3.17%
Ca 430.253	1713986.8	135.4	0.22	mg/L				0.16%
Cd 226.502	113.8	0.0126	0.00040	mg/L				3.21%
Co 228.616	115.2	0.0299	0.00082	mg/L				2.74%
Cr 267.716	6995.0	0.0913	0.00074	mg/L				0.81%
Cu 324.754	47351.7	0.1476	0.00034	mg/L				0.23%
Fe 238.863	110620.1	55.63	0.139	mg/L				0.25%
K 404.721	467.5	22.94	3.161	mg/L				13.78%
Mg 279.079	307407.3	31.97	0.154	mg/L				0.48%
Mn 257.610	487669.3	1.775	0.0075	mg/L				0.42%
Mo 202.030	-23.3	-0.0171	0.00043	mg/L				2.53%
Na 330.237	-10380.6	-11.88	0.039	mg/L				0.33%
Ni 231.604	200.8	0.0498	0.00044	mg/L				0.88%
Pb 220.353	253.9	0.4602	0.00019	mg/L				0.04%
Sb 206.833	1.6	-0.0107	0.00212	mg/L				19.87%
Se 196.026	1.7	-0.0268	0.00708	mg/L				26.39%
Sn 189.933	592.3	0.7209	0.00263	mg/L				0.36%
Ti 334.941	2498195.1	1.837	0.0036	mg/L				0.19%
Tl 190.800	-8.7	-0.0187	0.00220	mg/L				11.76%
V 292.402	19536.4	0.1265	0.00003	mg/L				0.03%
Zn 206.191	58663.0	11.86	0.031	mg/L				0.26%

Mean Data

ID: 526816L Seq. No.: 21 Sample No.: 10 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:14:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
[illegible]t Y [illegible].030	4314020.9	1.014	0.0061	mg/L				0.60%
Ag 328.068	-1786.0	-0.0017	0.00018	mg/L				10.66%
Al 308.215	519600.7	11.32	0.002	mg/L				0.02%
As 188.979	-15.2	-0.0134	0.00058	mg/L				4.33%

' 249.773	836.4	0.0315	0.00047	mg/L	1.50%
a 233.527	5944.1	0.3187	0.00045	mg/L	0.14%
e .861	222.2	0.0032	0.00004	mg/L	1.17%
a .253	340548.6	26.43	0.037	mg/L	0.14%
d 226.502	20.1	0.0038	0.00025	mg/L	6.40%
o 228.616	23.8	0.0065	0.00014	mg/L	2.14%
r 267.716	1661.6	0.0188	0.00104	mg/L	5.52%
u 324.754	15561.0	0.0245	0.00026	mg/L	1.07%
e 238.863	23470.1	11.80	0.013	mg/L	0.11%
404.721	198.5	6.765	0.7450	mg/L	11.01%
g 279.079	64078.6	6.622	0.0192	mg/L	0.29%
n 257.610	99708.4	0.3616	0.00167	mg/L	0.46%
o 202.030	-7.4	-0.0063	0.00010	mg/L	1.65%
a 330.237	-563.0	-2.637	0.0386	mg/L	1.46%
i 231.604	37.8	0.0102	0.00002	mg/L	0.21%
b 220.353	55.3	0.0866	0.00087	mg/L	1.01%
b 206.833	4.1	-0.0039	0.00206	mg/L	52.68%
e 196.026	5.7	-0.0004	0.00235	mg/L	592.07%
n 189.933	212.3	0.2667	0.00530	mg/L	1.99%
i 334.941	511046.3	0.3772	0.00088	mg/L	0.23%
l 190.800	-4.3	-0.0045	0.00330	mg/L	73.73%
292.402	4217.1	0.0252	0.00014	mg/L	0.57%
n 206.191	12594.7	2.546	0.0036	mg/L	0.14%

Mean Data

ID: CCV Seq. No.: 22 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:19:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4192990.2	0.986	0.0046	mg/L				0.46%
Ag 328.068	125245.6	0.4986	0.00124	mg/L				0.25%
Al 308.215	467190.3	10.16	0.001	mg/L				0.01%
As 188.979	330.6	1.053	0.0054	mg/L				0.51%
B 773	54738.5	2.479	0.0274	mg/L				1.11%
Ba 3.527	193266.0	10.34	0.001	mg/L				0.01%
Be 234.861	30976.5	0.2529	0.00028	mg/L				0.11%
Ca 430.253	323764.6	25.10	0.035	mg/L				0.14%
Cd 226.502	2993.6	0.5202	0.00503	mg/L				0.97%
Co 228.616	9900.2	2.537	0.0050	mg/L				0.20%
Cr 267.716	37780.6	0.5101	0.00027	mg/L				0.05%
Cu 324.754	423664.5	1.317	0.0011	mg/L				0.08%
Fe 238.863	10084.3	5.062	0.0127	mg/L				0.25%
K 404.721	566.0	23.75	0.260	mg/L				1.10%
Mg 279.079	247530.3	25.74	0.022	mg/L				0.09%
Mn 257.610	210134.5	0.7640	0.00155	mg/L				0.20%
Mo 202.030	3583.0	2.437	0.0149	mg/L				0.61%
Na 330.237	27583.8	23.86	0.112	mg/L				0.47%
Ni 231.604	8588.5	2.090	0.0028	mg/L				0.13%
Pb 220.353	281.1	0.5002	0.00225	mg/L				0.45%
Sb 206.833	1836.4	4.954	0.0387	mg/L				0.78%
Se 196.026	134.6	0.5005	0.00418	mg/L				0.83%
Sn 189.933	4307.6	5.161	0.0229	mg/L				0.44%
Ti 334.941	3375329.3	2.482	0.0027	mg/L				0.11%
Tl 190.800	322.0	1.061	0.0025	mg/L				0.24%
V 292.402	392168.1	2.590	0.0008	mg/L				0.03%
Zn 206.191	5175.7	1.046	0.0095	mg/L				0.91%

Mean Data

ID: CCB Seq. No.: 23 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:24:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4218298.5	0.992	0.0034	mg/L				0.34%
A 328.068	-1307.6	0.0002	0.00010	mg/L				44.39%
8.215	11699.7	0.0053	0.00717	mg/L				135.85%
As 188.979	4.5	0.0036	0.00372	mg/L				104.15%
B 249.773	1244.1	0.0501	0.00978	mg/L				19.54%
Ba 233.527	23.8	0.0019	0.00064	mg/L				33.32%
Be 234.861	-157.6	0.0001	0.00001	mg/L				6.44%

Ca 430.253	7315.3	-0.0044	0.01167 mg/L	264.55%
Cd 226.502	-2.5	-0.0001	0.00002 mg/L	31.75%
Cr 228.616	-2.1	-0.0001	0.00074 mg/L	626.07%
C 7.716	296.4	0.0002	0.00003 mg/L	15.20%
Cu 224.754	8286.8	0.0014	0.00007 mg/L	5.06%
Fe 238.863	40.9	0.0104	0.00132 mg/L	12.72%
K 404.721	142.8	4.193	1.2666 mg/L	30.21%
*QC exceeds upper limit for K 404.721		Action = Continue		
Mg 279.079	600.7	0.0080	0.00650 mg/L	81.01%
Mn 257.610	740.6	0.0010	0.00025 mg/L	25.71%
Mo 202.030	3.4	0.0011	0.00038 mg/L	35.88%
Na 330.237	2208.6	-0.0280	0.00358 mg/L	12.77%
Ni 231.604	-3.3	0.0002	0.00004 mg/L	20.67%
Pb 220.353	6.2	-0.0033	0.00039 mg/L	11.79%
Sb 206.833	8.3	0.0073	0.00292 mg/L	40.01%
Se 196.026	8.1	0.0090	0.00489 mg/L	54.41%
Sn 189.933	5.5	0.0195	0.00052 mg/L	2.69%
Ti 334.941	-1080.4	0.0009	0.00060 mg/L	65.16%
Tl 190.800	-3.2	-0.0009	0.00177 mg/L	205.19%
V 292.402	481.8	0.0005	0.00052 mg/L	100.25%
Zn 206.191	6.8	0.0017	0.00039 mg/L	22.80%

Mean Data

ID: 526855 Seq. No.: 24 Sample No.: 11 A/S Pos: 19
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:28:42 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4437274.0	1.043	0.0014	mg/L				0.13%
Ag 328.068	-6529.5	0.0011	0.00026	mg/L				23.18%
Al 308.215	2430418.2	53.91	0.087	mg/L				0.16%
As 188.979	-7.2	-0.0040	0.00902	mg/L				224.61%
B 249.773	4242.6	0.1862	0.00362	mg/L				1.95%
Ba 233.527	5340.9	0.2864	0.00041	mg/L				0.14%
Be 234.861	3281.5	0.0001	0.00004	mg/L				26.34%
Ca 430.253	224635.5	17.24	0.034	mg/L				0.20%
Cd 226.502	98.7	0.0009	0.00024	mg/L				25.91%
Co 228.616	249.4	0.0643	0.00080	mg/L				1.24%
Cr 267.716	6895.8	0.0900	0.00024	mg/L				0.27%
Cu 324.754	24700.8	0.1029	0.00038	mg/L				0.37%
Fe 238.863	243095.5	122.3	0.01	mg/L				0.01%
K 404.721	8.0	6.191	1.8534	mg/L				29.94%
Mg 279.079	265800.0	27.64	0.027	mg/L				0.10%
Mn 257.610	505393.6	1.840	0.0031	mg/L				0.17%
Mo 202.030	-10.0	-0.0081	0.00226	mg/L				27.87%
Na 330.237	2032.2	-0.1942	0.02247	mg/L				11.57%
Ni 231.604	531.8	0.1303	0.00010	mg/L				0.08%
Pb 220.353	39.0	0.0603	0.00082	mg/L				1.36%
Sb 206.833	-0.2	-0.0054	0.00318	mg/L				58.74%
Se 196.026	6.3	-0.0225	0.00356	mg/L				15.83%
Sn 189.933	242.9	0.3032	0.00342	mg/L				1.13%
Ti 334.941	1169311.3	0.8609	0.00058	mg/L				0.07%
Tl 190.800	-5.0	-0.0066	0.00070	mg/L				10.60%
V 292.402	15522.4	0.1000	0.00032	mg/L				0.32%
Zn 206.191	2004.0	0.4054	0.00141	mg/L				0.35%

Mean Data

ID: 527030 Seq. No.: 25 Sample No.: 12 A/S Pos: 20
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:33:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4332968.5	1.019	0.0044	mg/L				0.43%
Ag 328.068	-6398.3	0.0013	0.00011	mg/L				9.01%
Al 308.215	2618444.9	58.10	0.078	mg/L				0.13%
As 188.979	-11.6	-0.0090	0.00572	mg/L				63.79%
B 249.773	3977.0	0.1741	0.00057	mg/L				0.33%
Ba 233.527	7211.4	0.3865	0.00358	mg/L				0.93%
Be 234.861	3262.4	0.0005	0.00004	mg/L				7.56%
Ca 430.253	290905.8	22.49	0.063	mg/L				0.28%
Cd 226.502	94.9	0.0006	0.00032	mg/L				57.72%

Co 228.616	260.7	0.0672	0.00009	mg/L	0.13%
Cr 267.716	7357.6	0.0963	0.00128	mg/L	1.33%
Cu [illegible]4.754	30023.9	0.1188	0.00106	mg/L	0.89%
Fe .863	238693.9	120.1	0.34	mg/L	0.28%
K .721	9.3	6.102	1.5991	mg/L	26.21%
Mg 279.079	294747.7	30.66	0.147	mg/L	0.48%
Mn 257.610	434390.0	1.581	0.0047	mg/L	0.30%
Mo 202.030	-8.9	-0.0073	0.00129	mg/L	17.57%
Na 330.237	1921.2	-0.2987	0.05201	mg/L	17.41%
Ni 231.604	560.7	0.1373	0.00074	mg/L	0.54%
Pb 220.353	70.1	0.1176	0.00052	mg/L	0.44%
Sb 206.833	1.0	-0.0124	0.00043	mg/L	3.43%
Se 196.026	8.1	-0.0150	0.00738	mg/L	49.28%
Sn 189.933	277.4	0.3446	0.00440	mg/L	1.28%
Ti 334.941	1114230.6	0.8204	0.00194	mg/L	0.24%
Tl 190.800	-4.7	-0.0057	0.00205	mg/L	36.11%
V 292.402	16473.3	0.1062	0.00142	mg/L	1.34%
Zn 206.191	2157.0	0.4363	0.00197	mg/L	0.45%

Mean Data ----------

ID: CRI Seq. No.: 26 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:37:55 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4210549.3	0.990	0.0021	mg/L				0.21%
Ag 328.068	3525.4	0.0192	0.00000	mg/L				0.02%
Al 308.215	12074.7	0.0136	0.00527	mg/L				38.63%
As 188.979	7.0	0.0113	0.00049	mg/L				4.35%
B 249.773	389.6	0.0113	0.00081	mg/L				7.16%
Ba 233.527	-2.5	0.0005	0.00010	mg/L				20.04%
Be 234.861	1017.9	0.0096	0.00005	mg/L				0.51%
Ca 430.253	7344.7	-0.0021	0.00007	mg/L				3.38%
Cd 226.502	59.1	0.0106	0.00008	mg/L				0.78%
Cr 9.616	405.2	0.1042	0.00014	mg/L				0.14%
C. /.716	1783.8	0.0204	0.00009	mg/L				0.45%
Cu 224.754	23770.1	0.0505	0.00056	mg/L				1.11%
Fe 238.863	72.0	0.0261	0.00081	mg/L				3.12%
K 404.721	96.8	2.065	1.7641	mg/L				85.41%
Mg 279.079	517.8	-0.0006	0.00408	mg/L				668.99%
Mn 257.610	9087.7	0.0314	0.00029	mg/L				0.91%
Mo 202.030	1.2	-0.0004	0.00050	mg/L				114.93%
Na 330.237	2219.5	-0.0178	0.00984	mg/L				55.24%
Ni 231.604	346.4	0.0852	0.00020	mg/L				0.24%
Pb 220.353	8.6	0.0012	0.00313	mg/L				262.33%
*QC exceeds lower limit for Pb 220.353		Recovery = 19.90%		Action = Continue				
Sb 206.833	52.1	0.1259	0.00314	mg/L				2.50%
Se 196.026	7.9	0.0085	0.00233	mg/L				27.46%
Sn 189.933	-9.1	0.0021	0.00561	mg/L				272.78%
Ti 334.941	-2031.0	0.0002	0.00004	mg/L				19.45%
Tl 190.800	3.4	0.0208	0.00050	mg/L				2.42%
V 292.402	15964.1	0.1029	0.00077	mg/L				0.74%
Zn 206.191	212.4	0.0432	0.00011	mg/L				0.24%

Mean Data ----------

ID: ICSA Seq. No.: 27 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:42:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3793318.0	0.892	0.0073	mg/L				0.82%
Ag 328.068	-8647.5	0.0023	0.00033	mg/L				14.06%
Al 308.215	22280615.0	496.3	5.88	mg/L				1.18%
As 188.979	-400.1	-0.2997	0.00029	mg/L				0.10%
B 249.773	5281.1	-0.0270	0.00182	mg/L				6.71%
Ba 233.527	580.2	0.0317	0.00001	mg/L				0.02%
Be 4.861	4369.6	-0.0034	0.00002	mg/L				0.57%
C 0.253	7002526.3	555.0	7.18	mg/L				1.29%
Cd 226.502	122.2	-0.0024	0.00041	mg/L				17.53%
Co 228.616	8.8	0.0027	0.00184	mg/L				68.89%
Cr 267.716	-102.7	-0.0052	0.00021	mg/L				3.99%

Cu 324.754	-8133.4	0.0208	0.00068	mg/L	3.28%
Fe 238.863	351092.5	176.6	0.17	mg/L	0.09%
K [illegible].721	-176.1	-5.750	0.3863	mg/L	6.72%
M[illegible].079	4548210.9	473.8	5.50	mg/L	1.16%
Mn [illegible].610	3556.6	0.0112	0.00002	mg/L	0.17%
Mo 202.030	-44.8	-0.0318	0.00162	mg/L	5.11%
Na 330.237	2204.3	-0.0322	0.03037	mg/L	94.43%
Ni 231.604	-19.1	-0.0037	0.00004	mg/L	1.00%
Pb 220.353	-44.5	-0.0271	0.01222	mg/L	45.05%
Sb 206.833	1.0	0.0022	0.00630	mg/L	289.91%
Se 196.026	9.2	-0.0276	0.00406	mg/L	14.72%
Sn 189.933	1313.9	0.7226	0.00155	mg/L	0.21%
Ti 334.941	-10013.8	-0.0056	0.00014	mg/L	2.43%
Tl 190.800	-17.9	0.0009	0.00184	mg/L	200.14%
V 292.402	375.0	-0.0002	0.00005	mg/L	25.15%
Zn 206.191	98.4	0.0041	0.00061	mg/L	14.96%

Mean Data

ID: ICSAB Seq. No.: 28 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:47:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3824384.6	0.899	0.0029	mg/L				0.33%
Ag 328.068	273455.5	1.113	0.0000	mg/L				0.00%
Al 308.215	22101780.2	492.3	2.23	mg/L				0.45%
As 188.979	-393.1	-0.2866	0.00117	mg/L				0.41%
B 249.773	5223.2	-0.0287	0.00051	mg/L				1.79%
Ba 233.527	10553.1	0.5653	0.00184	mg/L				0.32%
Be 234.861	67574.0	0.5100	0.00200	mg/L				0.39%
Ca 430.253	6938648.2	549.9	3.43	mg/L				0.62%
Cd 226.502	5593.3	0.9478	0.00105	mg/L				0.11%
Co 228.616	1716.7	0.4403	0.00127	mg/L				0.29%
Cr 267.716	35286.2	0.4761	0.00126	mg/L				0.26%
C[illegible] 4.754	160749.2	0.5555	0.00264	mg/L				0.48%
F [illegible].863	349761.4	175.9	0.18	mg/L				0.10%
K [illegible].721	-170.2	-5.456	3.4438	mg/L				63.12%
Mg 279.079	4522295.9	471.1	2.16	mg/L				0.46%
Mn 257.610	129954.3	0.4718	0.00260	mg/L				0.55%
Mo 202.030	-44.8	-0.0318	0.00005	mg/L				0.17%
Na 330.237	982.8	-1.182	0.0364	mg/L				3.08%
Ni 231.604	3632.9	0.8845	0.00075	mg/L				0.09%
Pb 220.353	471.6	0.9175	0.00202	mg/L				0.22%
Sb 206.833	-0.7	-0.0023	0.00292	mg/L				126.66%
Se 196.026	12.7	-0.0139	0.00416	mg/L				29.89%
Sn 189.933	1307.6	0.7230	0.00403	mg/L				0.56%
Ti 334.941	-9748.1	-0.0055	0.00000	mg/L				0.01%
Tl 190.800	-17.8	0.0009	0.00024	mg/L				28.72%
V 292.402	75575.5	0.4970	0.00193	mg/L				0.39%
Zn 206.191	4591.0	0.9123	0.00082	mg/L				0.09%

Mean Data

ID: CCV Seq. No.: 29 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:52:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4159833.0	0.978	0.0067	mg/L				0.69%
Ag 328.068	126624.8	0.5040	0.00702	mg/L				1.39%
Al 308.215	469209.1	10.20	0.049	mg/L				0.48%
As 188.979	328.8	1.047	0.0048	mg/L				0.46%
B 249.773	54732.0	2.478	0.0114	mg/L				0.46%
Ba 233.527	193598.0	10.36	0.138	mg/L				1.33%
Be 234.861	31301.4	0.2555	0.00341	mg/L				1.34%
Ca 430.253	325677.7	25.25	0.039	mg/L				0.15%
Cd 226.502	3030.4	0.5266	0.00262	mg/L				0.50%
C[illegible] 8.616	9841.2	2.522	0.0286	mg/L				1.13%
C[illegible] 7.716	37764.9	0.5098	0.00706	mg/L				1.38%
Cu 324.754	426313.7	1.325	0.0004	mg/L				0.03%
Fe 238.863	10153.6	5.097	0.1405	mg/L				2.76%
K 404.721	562.5	23.59	0.903	mg/L				3.83%

Mg 279.079	246269.6	25.60	0.101	mg/L	0.39%
Mn 257.610	207281.4	0.7536	0.00237	mg/L	0.32%
Mo [illegible].030	3562.1	2.423	0.0138	mg/L	0.57%
Na [illegible].237	27300.9	23.60	0.302	mg/L	1.28%
Ni [illegible].604	8549.7	2.080	0.0268	mg/L	1.29%
Pb 220.353	281.3	0.5006	0.00574	mg/L	1.15%
Sb 206.833	1834.7	4.949	0.0200	mg/L	0.40%
Se 196.026	135.3	0.5032	0.00387	mg/L	0.77%
Sn 189.933	4309.4	5.163	0.0004	mg/L	0.01%
Ti 334.941	3348842.5	2.462	0.0033	mg/L	0.14%
Tl 190.800	321.0	1.058	0.0094	mg/L	0.89%
V 292.402	392824.7	2.594	0.0001	mg/L	0.00%
Zn 206.191	5213.7	1.054	0.0139	mg/L	1.32%

Mean Data

ID: CCB Seq. No.: 30 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 3:57:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4206294.2	0.989	0.0070	mg/L				0.71%
Ag 328.068	-1261.1	0.0004	0.00065	mg/L				161.06%
Al 308.215	13594.1	0.0475	0.03445	mg/L				72.52%
As 188.979	4.2	0.0025	0.00089	mg/L				35.50%
B 249.773	1198.2	0.0480	0.00969	mg/L				20.21%
Ba 233.527	71.4	0.0045	0.00467	mg/L				104.59%
Be 234.861	-146.8	0.0002	0.00015	mg/L				90.01%
Ca 430.253	7728.2	0.0284	0.04619	mg/L				162.89%
Cd 226.502	-2.9	-0.0001	0.00058	mg/L				406.73%
Co 228.616	1.4	0.0008	0.00091	mg/L				117.21%
Cr 267.716	289.1	0.0001	0.00018	mg/L				158.01%
Cu 324.754	8139.6	0.0009	0.00043	mg/L				45.44%
Fe 238.863	86.7	0.0334	0.02956	mg/L				88.40%
K 404.721	148.8	4.468	1.2964	mg/L				29.02%
* [illegible]xceeds upper limit for K 404.721		Action = Continue						
M[illegible].079	941.4	0.0435	0.05763	mg/L				132.43%
Mn 257.610	605.6	0.0005	0.00028	mg/L				56.56%
Mo 202.030	3.9	0.0013	0.00198	mg/L				147.38%
Na 330.237	2178.3	-0.0566	0.01950	mg/L				34.42%
Ni 231.604	-2.2	0.0005	0.00064	mg/L				136.53%
Pb 220.353	8.3	0.0005	0.00077	mg/L				141.48%
Sb 206.833	7.4	0.0050	0.00279	mg/L				55.79%
Se 196.026	5.7	-0.0001	0.00528	mg/L				>999.9%
Sn 189.933	4.5	0.0183	0.01311	mg/L				71.47%
Ti 334.941	-1276.1	0.0008	0.00072	mg/L				93.44%
Tl 190.800	-2.1	0.0029	0.00517	mg/L				181.13%
V 292.402	509.1	0.0007	0.00063	mg/L				91.19%
Zn 206.191	2.6	0.0009	0.00084	mg/L				98.69%

Mean Data

ID: 526394 Seq. No.: 31 Sample No.: 13 A/S Pos: 21
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:01:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3871330.6	0.910	0.0145	mg/L				1.59%
Ag 328.068	-62444.1	-0.0469	0.00091	mg/L				1.94%
Al 308.215	22882.4	0.2545	0.00871	mg/L				3.42%
As 188.979	-17.3	-0.0638	0.01301	mg/L				20.40%
B 249.773	35495.3	-0.0209	0.00577	mg/L				27.60%
Ba 233.527	914.4	0.0496	0.00062	mg/L				1.26%
Be 234.861	31165.0	0.0031	0.00037	mg/L				12.03%
Ca 430.253	70636.7	5.019	0.0688	mg/L				1.37%
Cd 226.502	1486.1	0.1089	0.00403	mg/L				3.70%
Co 228.616	430.1	0.1106	0.00275	mg/L				2.49%
Cr [illegible]67.716	12687.9	0.1688	0.00344	mg/L				2.04%
C[illegible]4.754	-102879.8	0.0953	0.00217	mg/L				2.28%
F[illegible]38.863	2192343.2	1103	16.0	mg/L				1.45%
K 404.721	Saturated							
Mg 279.079	50954.8	5.254	0.0717	mg/L				1.36%
Mn 257.610	2330267.1	8.490	0.1136	mg/L				1.34%

Mo 202.030	-40.1	-0.0286	0.00044	mg/L	1.55%
Na 330.237	-1266288.4	-1194	16.3	mg/L	1.36%
Ni [illegible]1.604	2966.9	0.7226	0.01233	mg/L	1.71%
Pb [illegible].353	73.8	0.1206	0.00739	mg/L	6.13%
Sb [illegible]6.833	-67.0	-0.1050	0.00307	mg/L	2.92%
Se 196.026	25.6	-0.1445	0.01363	mg/L	9.43%
Sn 189.933	-957.0	-1.131	0.0348	mg/L	3.08%
Ti 334.941	16204.3	0.0136	0.00011	mg/L	0.81%
Tl 190.800	-14.3	-0.0372	0.00358	mg/L	9.63%
V 292.402	944.1	0.0036	0.00012	mg/L	3.49%
Zn 206.191	1532862.7	309.8	5.32	mg/L	1.72%

Mean Data ----------

ID: 526394D Seq. No.: 32 Sample No.: 14 A/S Pos: 22
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:06:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3714748.7	0.873	0.0057	mg/L				0.65%
Ag 328.068	-64083.3	-0.0478	0.00053	mg/L				1.11%
Al 308.215	23314.1	0.2641	0.00241	mg/L				0.91%
As 188.979	-16.3	-0.0608	0.01504	mg/L				24.74%
B 249.773	36210.9	-0.0352	0.00221	mg/L				6.26%
Ba 233.527	999.5	0.0541	0.00137	mg/L				2.54%
Be 234.861	32008.2	0.0027	0.00044	mg/L				16.26%
Ca 430.253	71652.1	5.100	0.0326	mg/L				0.64%
Cd 226.502	1518.1	0.1102	0.00298	mg/L				2.71%
Co 228.616	441.3	0.1135	0.00159	mg/L				1.40%
Cr 267.716	13282.8	0.1769	0.00057	mg/L				0.32%
Cu 324.754	-106545.1	0.0966	0.00301	mg/L				3.11%
Fe 238.863	2255462.9	1135	9.8	mg/L				0.86%
K 404.721	Saturated							
Mg 279.079	52175.6	5.382	0.0334	mg/L				0.62%
Mn 257.610	2386649.5	8.695	0.1011	mg/L				1.16%
M[illegible] ?.030	-42.8	-0.0304	0.00085	mg/L				2.78%
N[illegible]).237	-1302716.7	-1229	9.3	mg/L				0.76%
Ni [illegible]31.604	3069.9	0.7476	0.00238	mg/L				0.32%
Pb 220.353	72.9	0.1189	0.00520	mg/L				4.37%
Sb 206.833	-69.5	-0.1091	0.00491	mg/L				4.50%
Se 196.026	25.1	-0.1528	0.00036	mg/L				0.23%
Sn 189.933	-987.0	-1.167	0.0091	mg/L				0.78%
Ti 334.941	14525.0	0.0124	0.00007	mg/L				0.59%
Tl 190.800	-15.0	-0.0393	0.00883	mg/L				22.44%
V 292.402	991.9	0.0039	0.00012	mg/L				3.02%
Zn 206.191	1589594.3	321.3	1.44	mg/L				0.45%

Mean Data ----------

ID: 526394S Seq. No.: 33 Sample No.: 15 A/S Pos: 23
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:11:31 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3937341.4	0.926	0.0042	mg/L				0.46%
Ag 328.068	-52734.0	-0.0135	0.00064	mg/L				4.70%
Al 308.215	109395.1	2.183	0.0171	mg/L				0.78%
As 188.979	3.6	0.0118	0.01212	mg/L				103.16%
B 249.773	55170.6	0.9135	0.01934	mg/L				2.12%
Ba 233.527	39230.7	2.100	0.0155	mg/L				0.74%
Be 234.861	36042.5	0.0490	0.00042	mg/L				0.85%
Ca 430.253	91105.4	6.643	0.0537	mg/L				0.81%
Cd 226.502	1710.8	0.1517	0.00064	mg/L				0.42%
Co 228.616	2228.1	0.5713	0.00007	mg/L				0.01%
Cr 267.716	26350.9	0.3546	0.00113	mg/L				0.32%
Cu 324.754	-17928.4	0.3531	0.00031	mg/L				0.09%
Fe 238.863	2136910.0	1075	4.0	mg/L				0.38%
K [illegible]04.721	Saturated							
M[illegible] 9.079	68112.0	7.042	0.0484	mg/L				0.69%
M[illegible] 7.610	2372718.2	8.644	0.0157	mg/L				0.18%
Mo 202.030	622.5	0.4224	0.00511	mg/L				1.21%
Na 330.237	-1217776.2	-1149	0.6	mg/L				0.05%
Ni 231.604	4850.5	1.181	0.0049	mg/L				0.41%

Pb 220.353	336.0	0.6008	0.01236	mg/L	2.06%
Sb 206.833	106.7	0.3627	0.00340	mg/L	0.94%
Se .026	263.8	0.7861	0.02649	mg/L	3.37%
Sn .933	-917.2	-1.083	0.0082	mg/L	0.76%
Ti 334.941	663344.7	0.4891	0.00341	mg/L	0.70%
Tl 190.800	541.5	1.778	0.0226	mg/L	1.27%
V 292.402	75219.9	0.4946	0.00329	mg/L	0.66%
Zn 206.191	1506545.3	304.5	1.81	mg/L	0.59%

Mean Data

ID: 526394A Seq. No.: 34 Sample No.: 16 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:16:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3879468.1	0.912	0.0033	mg/L				0.36%
Ag 328.068	-48870.5	0.0045	0.00161	mg/L				36.07%
Al 308.215	107868.9	2.148	0.0227	mg/L				1.06%
As 188.979	6.7	0.0217	0.00289	mg/L				13.30%
B 249.773	56268.9	0.9399	0.02854	mg/L				3.04%
Ba 233.527	38704.9	2.072	0.0211	mg/L				1.02%
Be 234.861	36343.6	0.0479	0.00019	mg/L				0.39%
Ca 430.253	93328.9	6.820	0.0758	mg/L				1.11%
Cd 226.502	1752.7	0.1568	0.00365	mg/L				2.33%
Co 228.616	2194.7	0.5627	0.00185	mg/L				0.33%
Cr 267.716	26169.5	0.3521	0.00406	mg/L				1.15%
Cu 324.754	-17415.2	0.3612	0.00038	mg/L				0.11%
Fe 238.863	2168515.9	1091	3.8	mg/L				0.35%
K 404.721	Saturated							
Mg 279.079	66959.5	6.922	0.0672	mg/L				0.97%
Mn 257.610	2404174.9	8.759	0.0249	mg/L				0.28%
Mo 202.030	606.0	0.4111	0.00353	mg/L				0.86%
Na 330.237	-1217798.7	-1149	0.3	mg/L				0.03%
Ni 231.604	4816.6	1.172	0.0045	mg/L				0.38%
P 213.353	330.1	0.5899	0.01193	mg/L				2.02%
Sb 206.833	97.7	0.3398	0.00501	mg/L				1.47%
Se 196.026	31.8	-0.1180	0.00809	mg/L				6.86%
Sn 189.933	-924.0	-1.091	0.0026	mg/L				0.24%
Ti 334.941	659303.9	0.4862	0.00158	mg/L				0.32%
Tl 190.800	538.9	1.770	0.0048	mg/L				0.27%
V 292.402	73126.9	0.4808	0.00549	mg/L				1.14%
Zn 206.191	1523129.0	307.9	1.69	mg/L				0.55%

Mean Data

ID: 526394L Seq. No.: 35 Sample No.: 17 A/S Pos: 25
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:20:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4146877.3	0.975	0.0055	mg/L				0.56%
Ag 328.068	-13838.5	-0.0001	0.00028	mg/L				297.20%
Al 308.215	13994.3	0.0564	0.00159	mg/L				2.81%
As 188.979	-2.6	-0.0183	0.00168	mg/L				9.16%
B 249.773	8228.8	-0.0445	0.00631	mg/L				14.17%
Ba 233.527	166.9	0.0096	0.00083	mg/L				8.62%
Be 234.861	7224.5	-0.0036	0.00036	mg/L				10.02%
Ca 430.253	19256.9	0.9430	0.00372	mg/L				0.39%
Cd 226.502	285.7	0.0121	0.00088	mg/L				7.24%
Co 228.616	87.7	0.0229	0.00006	mg/L				0.26%
Cr 267.716	2831.6	0.0347	0.00071	mg/L				2.05%
Cu 324.754	-15600.1	0.0387	0.00024	mg/L				0.62%
Fe 238.863	555119.1	279.2	0.34	mg/L				0.12%
K 404.721	-432.9	-3.618	1.5051	mg/L				41.60%
Mg 279.079	11724.5	1.167	0.0031	mg/L				0.27%
Mn 257.610	488847.4	1.780	0.0009	mg/L				0.05%
Mo 202.030	0.3	-0.0011	0.00148	mg/L				136.98%
Na 330.237	-257937.6	-244.9	0.60	mg/L				0.24%
Ni 231.604	619.6	0.1517	0.00062	mg/L				0.41%
Pb 220.353	11.8	0.0069	0.00100	mg/L				14.45%
Sb 206.833	-10.1	-0.0193	0.00788	mg/L				40.81%
Se 196.026	12.1	-0.0316	0.00158	mg/L				5.01%

Sn 189.933	-252.5	-0.2888	0.00466	mg/L	1.61%
Ti 334.941	1503.0	0.0028	0.00007	mg/L	2.42%
Tl 190.800	-2.3	0.0022	0.00327	mg/L	150.78%
V 292.402	461.5	0.0004	0.00004	mg/L	11.00%
Zn 206.191	767599.1	155.2	0.07	mg/L	0.04%

Mean Data

ID: 999991 Seq. No.: 36 Sample No.: 18 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:25:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4117201.7	0.968	0.0050	mg/L				0.51%
Ag 328.068	-1346.8	0.0001	0.00008	mg/L				120.80%
Al 308.215	12193.2	0.0163	0.00132	mg/L				8.09%
As 188.979	4.0	0.0020	0.00136	mg/L				68.82%
B 249.773	454.4	0.0142	0.00119	mg/L				8.42%
Ba 233.527	-16.2	-0.0002	0.00003	mg/L				13.23%
Be 234.861	-158.8	0.0001	0.00000	mg/L				3.06%
Ca 430.253	7074.7	-0.0235	0.01097	mg/L				46.70%
Cd 226.502	-4.7	-0.0005	0.00017	mg/L				36.52%
Co 228.616	-2.2	-0.0001	0.00001	mg/L				3.76%
Cr 267.716	292.3	0.0002	0.00042	mg/L				260.31%
Cu 324.754	8092.5	0.0008	0.00009	mg/L				11.29%
Fe 238.863	146.9	0.0637	0.01848	mg/L				29.01%
K 404.721	107.0	2.534	1.1163	mg/L				44.04%
Mg 279.079	575.3	0.0054	0.01121	mg/L				208.25%
Mn 257.610	599.9	0.0005	0.00024	mg/L				51.74%
Mo 202.030	0.3	-0.0011	0.00061	mg/L				55.89%
Na 330.237	2001.9	-0.2227	0.00041	mg/L				0.18%
Ni 231.604	-3.9	0.0000	0.00012	mg/L				244.95%
Pb 220.353	5.6	-0.0044	0.00248	mg/L				56.93%
Sb 206.833	5.0	-0.0017	0.00394	mg/L				232.46%
Se 196.026	4.3	-0.0058	0.00417	mg/L				72.06%
Sn 189.933	-9.4	0.0018	0.00226	mg/L				128.45%
Ti 334.941	-2218.5	0.0001	0.00001	mg/L				9.67%
Tl 190.800	-3.5	-0.0017	0.00287	mg/L				172.09%
V 292.402	382.1	-0.0001	0.00006	mg/L				44.01%
Zn 206.191	255.5	0.0520	0.01137	mg/L				21.87%

Mean Data

ID: 999992 Seq. No.: 37 Sample No.: 19 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:29:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4189860.2	0.985	0.0042	mg/L				0.42%
Ag 328.068	-1392.4	-0.0001	0.00015	mg/L				133.37%
Al 308.215	12080.9	0.0138	0.00114	mg/L				8.31%
As 188.979	2.0	-0.0041	0.00349	mg/L				85.23%
B 249.773	360.2	0.0099	0.00028	mg/L				2.84%
Ba 233.527	-13.9	-0.0001	0.00005	mg/L				51.12%
Be 234.861	-157.8	0.0001	0.00001	mg/L				9.82%
Ca 430.253	6940.4	-0.0341	0.00379	mg/L				11.11%
Cd 226.502	-4.4	-0.0004	0.00027	mg/L				64.39%
Co 228.616	-2.7	-0.0003	0.00008	mg/L				30.28%
Cr 267.716	281.2	0.0000	0.00013	mg/L				>999.9%
Cu 324.754	7859.4	0.0001	0.00007	mg/L				119.41%
Fe 238.863	45.4	0.0127	0.00089	mg/L				7.04%
K 404.721	105.1	2.448	1.0926	mg/L				44.63%
Mg 279.079	474.5	-0.0051	0.00083	mg/L				16.20%
Mn 257.610	460.6	0.0000	0.00003	mg/L				86.66%
Mo 202.030	1.7	-0.0001	0.00065	mg/L				517.57%
Na 330.237	2091.0	-0.1387	0.01753	mg/L				12.64%
Ni 231.604	-4.1	0.0000	0.00022	mg/L				>999.9%
Pb 220.353	6.0	-0.0037	0.00062	mg/L				17.00%
Sb 206.833	4.9	-0.0018	0.00275	mg/L				157.00%
Se 196.026	6.4	0.0024	0.00040	mg/L				16.93%
Sn 189.933	-10.8	0.0001	0.00237	mg/L				>999.9%
Ti 334.941	-2155.5	0.0001	0.00004	mg/L				27.63%
Tl 190.800	-3.2	-0.0009	0.00345	mg/L				391.35%

V 292.402	354.0	-0.0003	0.00019 mg/L		57.59%
Zn 206.191	50.3	0.0105	0.00085 mg/L		8.08%

Mean Data

ID: 999993 Seq. No.: 38 Sample No.: 20 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:34:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4219121.1	0.992	0.0032	mg/L				0.33%
Ag 328.068	-1390.3	-0.0001	0.00008	mg/L				75.99%
Al 308.215	12047.4	0.0130	0.00071	mg/L				5.45%
As 188.979	2.6	-0.0024	0.00703	mg/L				291.01%
B 249.773	294.0	0.0069	0.00041	mg/L				5.94%
Ba 233.527	-13.2	-0.0001	0.00005	mg/L				74.48%
Be 234.861	-157.0	0.0001	0.00003	mg/L				28.80%
Ca 430.253	6823.0	-0.0435	0.00594	mg/L				13.67%
Cd 226.502	-5.9	-0.0007	0.00005	mg/L				7.16%
Co 228.616	-1.7	0.0000	0.00053	mg/L				>999.9%
Cr 267.716	249.9	-0.0004	0.00065	mg/L				155.71%
Cu 324.754	7776.4	-0.0002	0.00011	mg/L				53.01%
Fe 238.863	40.5	0.0102	0.00030	mg/L				2.90%
K 404.721	58.3	0.2844	1.95792	mg/L				688.39%
Mg 279.079	491.0	-0.0034	0.00131	mg/L				38.40%
Mn 257.610	496.3	0.0001	0.00010	mg/L				109.12%
Mo 202.030	0.7	-0.0008	0.00110	mg/L				140.89%
Na 330.237	2028.9	-0.1973	0.04149	mg/L				21.03%
Ni 231.604	-4.3	-0.0001	0.00018	mg/L				317.78%
Pb 220.353	6.8	-0.0022	0.00115	mg/L				51.31%
Sb 206.833	6.4	0.0023	0.00341	mg/L				145.13%
Se 196.026	7.6	0.0072	0.00096	mg/L				13.32%
Sn 189.933	-10.9	0.0000	0.00403	mg/L				>999.9%
Ti 334.941	-2190.5	0.0001	0.00002	mg/L				14.84%
Tl 190.800	-4.2	-0.0042	0.00526	mg/L				126.51%
V 402	372.8	-0.0002	0.00005	mg/L				22.35%
Zn 206.191	41.3	0.0087	0.00127	mg/L				14.64%

Mean Data

ID: 999994 Seq. No.: 39 Sample No.: 21 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:39:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4150590.1	0.976	0.0021	mg/L				0.22%
Ag 328.068	-1382.1	-0.0001	0.00000	mg/L				5.71%
Al 308.215	12248.7	0.0175	0.00095	mg/L				5.40%
As 188.979	3.0	-0.0010	0.00070	mg/L				73.09%
B 249.773	253.5	0.0051	0.00034	mg/L				6.73%
Ba 233.527	-15.4	-0.0002	0.00004	mg/L				22.33%
Be 234.861	-160.8	0.0001	0.00000	mg/L				1.34%
Ca 430.253	7022.8	-0.0276	0.00183	mg/L				6.62%
Cd 226.502	-3.7	-0.0003	0.00013	mg/L				44.19%
Co 228.616	-2.5	-0.0002	0.00014	mg/L				61.24%
Cr 267.716	282.6	0.0000	0.00025	mg/L				854.80%
Cu 324.754	7866.5	0.0001	0.00003	mg/L				29.70%
Fe 238.863	27.8	0.0038	0.00280	mg/L				73.45%
K 404.721	108.9	2.622	1.2753	mg/L				48.64%
Mg 279.079	503.5	-0.0021	0.00046	mg/L				21.97%
Mn 257.610	481.1	0.0000	0.00007	mg/L				185.05%
Mo 202.030	0.7	-0.0008	0.00000	mg/L				0.19%
Na 330.237	2072.5	-0.1562	0.03065	mg/L				19.63%
Ni 231.604	-5.0	-0.0002	0.00013	mg/L				62.24%
Pb 220.353	8.5	0.0010	0.00165	mg/L				163.72%
Sb 206.833	6.1	0.0013	0.00152	mg/L				118.10%
Se 196.026	6.7	0.0038	0.00422	mg/L				111.96%
Sn 189.933	-11.5	-0.0008	0.00137	mg/L				178.53%
Ti 334.941	-2197.6	0.0001	0.00003	mg/L				28.38%
Tl 190.800	-4.2	-0.0042	0.00347	mg/L				83.19%
V 292.402	393.3	-0.0001	0.00005	mg/L				74.29%
Zn 206.191	18.9	0.0041	0.00134	mg/L				32.43%

Mean Data
ID: 999995 Seq. No.: 40 Sample No.: 22 A/S Pos: 30
Sa Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:43:56 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4081274.6	0.960	0.0037	mg/L				0.39%
Ag 328.068	-1380.8	-0.0001	0.00014	mg/L				197.96%
Al 308.215	12456.7	0.0222	0.00049	mg/L				2.22%
As 188.979	2.9	-0.0015	0.00118	mg/L				77.59%
B 249.773	231.9	0.0041	0.00035	mg/L				8.58%
Ba 233.527	-14.0	-0.0001	0.00004	mg/L				41.56%
Be 234.861	-163.9	0.0000	0.00002	mg/L				66.72%
Ca 430.253	7083.5	-0.0228	0.00331	mg/L				14.51%
Cd 226.502	-4.4	-0.0004	0.00006	mg/L				13.94%
Co 228.616	-4.3	-0.0007	0.00002	mg/L				2.23%
Cr 267.716	265.5	-0.0002	0.00006	mg/L				27.13%
Cu 324.754	7976.9	0.0004	0.00008	mg/L				19.36%
Fe 238.863	34.9	0.0074	0.00109	mg/L				14.77%
K 404.721	112.5	2.791	5.4416	mg/L				194.94%
Mg 279.079	475.5	-0.0050	0.00057	mg/L				11.45%
Mn 257.610	465.9	0.0000	0.00001	mg/L				26.49%
Mo 202.030	1.6	-0.0002	0.00009	mg/L				42.15%
Na 330.237	2130.3	-0.1018	0.02443	mg/L				24.00%
Ni 231.604	-5.0	-0.0002	0.00009	mg/L				43.19%
Pb 220.353	6.7	-0.0023	0.00098	mg/L				42.94%
Sb 206.833	4.5	-0.0030	0.00268	mg/L				87.93%
Se 196.026	6.5	0.0029	0.00546	mg/L				188.96%
Sn 189.933	-13.0	-0.0026	0.00042	mg/L				16.13%
Ti 334.941	-2246.6	0.0001	0.00003	mg/L				46.43%
Tl 190.800	-4.1	-0.0038	0.00155	mg/L				41.23%
V 292.402	392.7	-0.0001	0.00008	mg/L				104.65%
Zn 206.191	25.1	0.0054	0.00098	mg/L				18.08%

Mean Data
ID: LCV Seq. No.: 41 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 4:48:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4092581.2	0.962	0.0031	mg/L				0.32%
Ag 328.068	127411.9	0.5071	0.00527	mg/L				1.04%
Al 308.215	460161.1	10.000	0.0066	mg/L				0.07%
As 188.979	326.7	1.041	0.0050	mg/L				0.48%
B 249.773	54810.9	2.482	0.0049	mg/L				0.20%
Ba 233.527	194369.9	10.40	0.093	mg/L				0.90%
Be 234.861	31543.0	0.2575	0.00221	mg/L				0.86%
Ca 430.253	324431.1	25.15	0.012	mg/L				0.05%
Cd 226.502	3067.1	0.5329	0.00085	mg/L				0.16%
Co 228.616	9765.2	2.502	0.0186	mg/L				0.74%
Cr 267.716	37678.3	0.5087	0.00468	mg/L				0.92%
Cu 324.754	430215.3	1.338	0.0019	mg/L				0.14%
Fe 238.863	9965.0	5.002	0.0476	mg/L				0.95%
K 404.721	548.3	22.93	1.193	mg/L				5.20%
Mg 279.079	241706.0	25.13	0.058	mg/L				0.23%
Mn 257.610	203997.4	0.7416	0.00123	mg/L				0.17%
Mo 202.030	3538.5	2.407	0.0011	mg/L				0.05%
Na 330.237	27078.1	23.39	0.236	mg/L				1.01%
Ni 231.604	8576.0	2.087	0.0123	mg/L				0.59%
Pb 220.353	280.5	0.4990	0.00256	mg/L				0.51%
Sb 206.833	1828.2	4.932	0.0064	mg/L				0.13%
Se 196.026	134.2	0.4988	0.00032	mg/L				0.06%
Sn 189.933	4329.2	5.187	0.0089	mg/L				0.17%
Ti 334.941	3314521.3	2.437	0.0020	mg/L				0.08%
Tl 190.800	324.8	1.070	0.0012	mg/L				0.11%
V 292.402	394154.6	2.603	0.0001	mg/L				0.00%
Zn 206.191	5326.8	1.077	0.0114	mg/L				1.06%

Mean Data
ID: CCB Seq. No.: 42 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/10/02 4:53:05 PM

El	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4157467.4	0.977	0.0010	mg/L				0.10%
Ag 328.068	-1336.5	0.0001	0.00003	mg/L				33.45%
Al 308.215	11975.0	0.0114	0.00027	mg/L				2.41%
As 188.979	1.3	-0.0063	0.01064	mg/L				169.27%
B 249.773	1196.3	0.0479	0.01114	mg/L				23.27%
Ba 233.527	1.2	0.0007	0.00009	mg/L				12.34%
Be 234.861	-162.3	0.0000	0.00002	mg/L				37.98%
Ca 430.253	7189.8	-0.0144	0.00029	mg/L				2.01%
Cd 226.502	-2.9	-0.0001	0.00010	mg/L				70.34%
Co 228.616	-2.2	-0.0001	0.00040	mg/L				267.92%
Cr 267.716	278.1	0.0000	0.00053	mg/L				>999.9%
Cu 324.754	8015.1	0.0006	0.00049	mg/L				88.61%
Fe 238.863	69.0	0.0245	0.00006	mg/L				0.23%
K 404.721	86.5	1.591	0.1778	mg/L				11.18%
Mg 279.079	506.2	-0.0018	0.00279	mg/L				152.98%
Mn 257.610	680.8	0.0008	0.00014	mg/L				18.61%
Mo 202.030	2.1	0.0002	0.00095	mg/L				526.93%
Na 330.237	2260.8	0.0211	0.05799	mg/L				275.36%
Ni 231.604	-4.7	-0.0002	0.00039	mg/L				245.94%
Pb 220.353	8.2	0.0004	0.00189	mg/L				471.21%
Sb 206.833	7.7	0.0058	0.00106	mg/L				18.24%
Se 196.026	7.8	0.0078	0.00343	mg/L				43.82%
Sn 189.933	3.9	0.0176	0.00589	mg/L				33.38%
Ti 334.941	-1871.9	0.0003	0.00023	mg/L				68.17%
Tl 190.800	-3.3	-0.0010	0.00381	mg/L				377.03%
V 292.402	412.4	0.0001	0.00007	mg/L				128.00%
Zn 206.191	42.7	0.0089	0.00007	mg/L				0.82%

Mean Data

ID: CRI Seq. No.: 43 Sample No.: 5 A/S Pos: 6

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/10/02 4:57:46 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4204585.8	0.988	0.0035	mg/L				0.35%
Ag 328.068	3489.7	0.0191	0.00023	mg/L				1.20%
Al 308.215	12041.0	0.0129	0.00102	mg/L				7.89%
As 188.979	7.8	0.0137	0.00553	mg/L				40.47%
B 249.773	625.9	0.0220	0.00255	mg/L				11.60%
Ba 233.527	15.9	0.0015	0.00126	mg/L				84.52%
Be 234.861	1013.2	0.0096	0.00004	mg/L				0.45%
Ca 430.253	7229.5	-0.0112	0.00673	mg/L				60.04%
Cd 226.502	58.8	0.0106	0.00006	mg/L				0.58%
Co 228.616	402.6	0.1036	0.00015	mg/L				0.15%
Cr 267.716	1762.8	0.0202	0.00030	mg/L				1.49%
Cu 324.754	23440.7	0.0494	0.00042	mg/L				0.85%
Fe 238.863	77.6	0.0289	0.00116	mg/L				4.00%
K 404.721	110.1	2.681	1.4102	mg/L				52.60%
Mg 279.079	486.6	-0.0039	0.00450	mg/L				116.56%
Mn 257.610	8929.0	0.0308	0.00012	mg/L				0.39%
Mo 202.030	1.8	0.0000	0.00093	mg/L				>999.9%
Na 330.237	2194.1	-0.0417	0.01214	mg/L				29.12%
Ni 231.604	343.6	0.0846	0.00066	mg/L				0.78%
Pb 220.353	8.8	0.0016	0.00143	mg/L				92.16%
*QC exceeds lower limit for Pb 220.353		Recovery = 25.95%		Action = Continue				
Sb 206.833	49.8	0.1198	0.00211	mg/L				1.76%
Se 196.026	8.5	0.0107	0.00364	mg/L				33.96%
Sn 189.933	-3.9	0.0083	0.00114	mg/L				13.80%
Ti 334.941	-1923.2	0.0003	0.00028	mg/L				93.40%
Tl 190.800	3.3	0.0203	0.00054	mg/L				2.66%
V 292.402	15873.3	0.1023	0.00097	mg/L				0.95%
Zn 206.191	240.2	0.0489	0.00014	mg/L				0.28%

Data

ID: ICSA Seq. No.: 44 Sample No.: 6 A/S Pos: 7

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/10/02 5:02:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
[illegible] 030	3705506.8	0.871	0.0073	mg/L				0.84%
Ag .068	-8679.2	0.0022	0.00010	mg/L				4.52%
Al 308.215	22322463.8	497.2	2.91	mg/L				0.58%
As 188.979	-402.1	-0.3007	0.00207	mg/L				0.69%
B 249.773	5478.6	-0.0183	0.00157	mg/L				8.59%
Ba 233.527	587.9	0.0321	0.00033	mg/L				1.04%
Be 234.861	4415.8	-0.0031	0.00021	mg/L				6.96%
Ca 430.253	7042971.7	558.2	2.38	mg/L				0.43%
Cd 226.502	127.6	-0.0015	0.00079	mg/L				53.93%
Co 228.616	4.5	0.0016	0.00023	mg/L				14.57%
Cr 267.716	-119.7	-0.0054	0.00007	mg/L				1.24%
Cu 324.754	-8246.2	0.0205	0.00029	mg/L				1.44%
Fe 238.863	351418.9	176.8	0.69	mg/L				0.39%
K 404.721	-134.4	-3.855	1.7829	mg/L				46.25%
Mg 279.079	4546254.5	473.6	2.58	mg/L				0.55%
Mn 257.610	3543.5	0.0112	0.00009	mg/L				0.76%
Mo 202.030	-45.9	-0.0325	0.00104	mg/L				3.21%
Na 330.237	2238.0	-0.0004	0.03151	mg/L				>999.9%
Ni 231.604	-20.5	-0.0040	0.00005	mg/L				1.14%
Pb 220.353	-49.8	-0.0367	0.00844	mg/L				22.99%
Sb 206.833	1.9	0.0047	0.00315	mg/L				67.22%
Se 196.026	11.7	-0.0180	0.00012	mg/L				0.64%
Sn 189.933	1339.9	0.7488	0.00373	mg/L				0.50%
Ti 334.941	-10125.1	-0.0057	0.00000	mg/L				0.06%
Tl 190.800	-14.5	0.0122	0.00373	mg/L				30.43%
V 292.402	444.1	0.0003	0.00002	mg/L				8.94%
Zn 206.191	124.6	0.0094	0.00022	mg/L				2.38%

Mean Data ----------

ID: ICSAB Seq. No.: 45 Sample No.: 7 A/S Pos: 8

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/10/02 5:07:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3772586.2	0.887	0.0015	mg/L				0.17%
Ag 328.068	275132.6	1.119	0.0036	mg/L				0.32%
Al 308.215	22017596.5	490.4	2.11	mg/L				0.43%
As 188.979	-392.7	-0.2814	0.00777	mg/L				2.76%
B 249.773	5268.4	-0.0240	0.00135	mg/L				5.61%
Ba 233.527	10525.1	0.5638	0.00071	mg/L				0.13%
Be 234.861	68167.8	0.5152	0.00176	mg/L				0.34%
Ca 430.253	6972045.2	552.6	1.52	mg/L				0.27%
Cd 226.502	5640.8	0.9562	0.00145	mg/L				0.15%
Co 228.616	1701.5	0.4364	0.00204	mg/L				0.47%
Cr 267.716	35077.4	0.4733	0.00011	mg/L				0.02%
Cu 324.754	160186.7	0.5530	0.00065	mg/L				0.12%
Fe 238.863	346252.7	174.2	0.38	mg/L				0.22%
K 404.721	-159.2	-5.103	0.0063	mg/L				0.12%
Mg 279.079	4465339.3	465.2	1.40	mg/L				0.30%
Mn 257.610	127556.0	0.4631	0.00063	mg/L				0.14%
Mo 202.030	-46.7	-0.0331	0.00317	mg/L				9.59%
Na 330.237	1011.7	-1.155	0.0091	mg/L				0.79%
Ni 231.604	3637.4	0.8856	0.00047	mg/L				0.05%
Pb 220.353	469.6	0.9136	0.00093	mg/L				0.10%
Sb 206.833	-0.0	-0.0007	0.01212	mg/L				>999.9%
Se 196.026	7.4	-0.0341	0.01143	mg/L				33.50%
Sn 189.933	1312.7	0.7250	0.00149	mg/L				0.21%
Ti 334.941	-9703.2	-0.0054	0.00002	mg/L				0.32%
Tl 190.800	-18.1	-0.0003	0.00263	mg/L				760.88%
V 292.402	75428.7	0.4960	0.00005	mg/L				0.01%
Zn 206.191	4625.7	0.9195	0.00336	mg/L				0.37%

Mean Data ----------

ID: CCV Seq. No.: 46 Sample No.: 2 A/S Pos: 3

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 2/10/02 5:12:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4109544.5	0.966	0.0001	mg/L				0.01%

Ag 328.068	127171.9	0.5061	0.00020	mg/L	0.04%
Al 308.215	460181.0	10.00	0.020	mg/L	0.20%
As .979	323.3	1.030	0.0051	mg/L	0.49%
B 773	54371.5	2.462	0.0311	mg/L	1.26%
Ba 233.527	193137.5	10.33	0.016	mg/L	0.15%
Be 234.861	31344.9	0.2559	0.00014	mg/L	0.05%
Ca 430.253	325853.8	25.27	0.008	mg/L	0.03%
Cd 226.502	3053.1	0.5305	0.00222	mg/L	0.42%
Co 228.616	9660.1	2.475	0.0115	mg/L	0.46%
Cr 267.716	37337.8	0.5040	0.00059	mg/L	0.12%
Cu 324.754	433443.6	1.348	0.0031	mg/L	0.23%
Fe 238.863	9851.2	4.945	0.0051	mg/L	0.10%
K 404.721	561.1	23.52	1.186	mg/L	5.04%
Mg 279.079	240031.0	24.95	0.074	mg/L	0.30%
Mn 257.610	201773.4	0.7335	0.00323	mg/L	0.44%
Mo 202.030	3480.1	2.367	0.0040	mg/L	0.17%
Na 330.237	26816.8	23.14	0.085	mg/L	0.37%
Ni 231.604	8533.8	2.076	0.0070	mg/L	0.34%
Pb 220.353	275.9	0.4906	0.00035	mg/L	0.07%
Sb 206.833	1803.3	4.864	0.0112	mg/L	0.23%
Se 196.026	136.3	0.5070	0.00195	mg/L	0.38%
Sn 189.933	4285.1	5.134	0.0191	mg/L	0.37%
Ti 334.941	3294637.1	2.423	0.0053	mg/L	0.22%
Tl 190.800	323.6	1.066	0.0026	mg/L	0.25%
V 292.402	395287.3	2.611	0.0012	mg/L	0.05%
Zn 206.191	5265.8	1.065	0.0002	mg/L	0.01%

Mean Data

ID: CCB Seq. No.: 47 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 2/10/02 5:17:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4141814.9	0.974	0.0050	mg/L				0.51%
A 1.068	-1344.7	0.0001	0.00007	mg/L				96.54%
Al d.215	12274.4	0.0181	0.00338	mg/L				18.66%
As 188.979	2.2	-0.0035	0.00233	mg/L				66.38%
B 249.773	1262.8	0.0509	0.01120	mg/L				22.01%
Ba 233.527	2.6	0.0008	0.00037	mg/L				47.61%
Be 234.861	-164.4	0.0000	0.00003	mg/L				106.49%
Ca 430.253	7191.9	-0.0142	0.00523	mg/L				36.86%
Cd 226.502	-4.2	-0.0004	0.00001	mg/L				1.57%
Co 228.616	-1.6	0.0000	0.00038	mg/L				>999.9%
Cr 267.716	285.3	0.0001	0.00039	mg/L				596.09%
Cu 324.754	8309.5	0.0015	0.00076	mg/L				50.82%
Fe 238.863	62.5	0.0213	0.00228	mg/L				10.71%
K 404.721	106.3	2.505	1.1097	mg/L				44.30%
*QC exceeds upper limit for K 404.721		Action = Continue						
Mg 279.079	522.2	-0.0002	0.00166	mg/L				>999.9%
Mn 257.610	643.1	0.0006	0.00015	mg/L				23.79%
Mo 202.030	2.6	0.0005	0.00018	mg/L				38.46%
Na 330.237	2269.2	0.0290	0.01235	mg/L				42.62%
Ni 231.604	-3.6	0.0001	0.00047	mg/L				421.97%
Pb 220.353	6.4	-0.0029	0.00222	mg/L				76.93%
Sb 206.833	8.2	0.0070	0.00053	mg/L				7.56%
Se 196.026	5.3	-0.0019	0.00060	mg/L				31.25%
Sn 189.933	3.0	0.0165	0.00310	mg/L				18.73%
Ti 334.941	-1858.4	0.0003	0.00022	mg/L				63.51%
Tl 190.800	-3.9	-0.0031	0.00193	mg/L				62.42%
V 292.402	425.3	0.0001	0.00003	mg/L				23.83%
Zn 206.191	13.8	0.0031	0.00023	mg/L				7.38%

Metals Cover Page

Instrument: Optima 2

Analyst: SDeVito

Date: 2/11/02

Data File: 2feb11a

Reviewed By: CK 2/12/02

Entered By: LTN : SD 2/12/02

Manager Approval: CK 2/13/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems
74433	✓ Pb(LL)	M26800016	200.7		
74434	✓ Pb(LL)	M26800018	200.7		
74435	✓ Pb(LL)	M26800005	L0108		

Package Data:

Report to ddl

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
R10459	(Pkg 5) / ASP	As Pb Se Ag Ba Cd Cr		M253071	(YES) / NO	(MARRS to LIMS) / Run Created Above	YES / NO
	Pkg 5 / ASP	Mn Zn			YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

alibration Summary
et[illegible]: Method 6010B Date: 02/11/02 3:21:10 PM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

ethod: Method 6010B IEC: 012902.iec MSF:
esults: 2feb11a Spectra Stored: Yes Method Stored: Yes
ample Info: 6010b User: User1 Date: 02/11/02 3:21:10 PM
ethod Description: Optima 3000XL #2

ean Data
D: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 02/11/02 3:22:44 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD
371.030	4274635.3	16926.49	0.40%

ean Data
D: Calib Blank 1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 02/11/02 3:24:21 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
371.030	4235501.1	13310.16	0.31%	0.991	mg/L
g 328.068	-1798.7	9.32	0.52%	0	mg/L
l 308.215	4467.2	3.66	0.08%	0	mg/L
s 188.979	-30.5	0.96	3.16%	0	mg/L
249.773	1739.6	1.29	0.07%	0	mg/L
a 233.527	46.4	15.93	34.34%	0	mg/L
e 313.107	-5566.2	10.87	0.20%	0	mg/L
a 887	1290.7	8.98	0.70%	0	mg/L
d .502	-195.5	3.66	1.87%	0	mg/L
o 228.616	-276.7	5.32	1.92%	0	mg/L
r 267.716	-158.3	1.85	1.17%	0	mg/L
u 324.754	2101.2	1.22	0.06%	0	mg/L
e 238.863	-579.3	24.31	4.20%	0	mg/L
404.721	-1534.7	24.47	1.59%	0	mg/L
g 279.079	-840.3	11.74	1.40%	0	mg/L
n 257.610	-81.3	2.34	2.88%	0	mg/L
o 202.030	-21.0	1.20	5.72%	0	mg/L
a 330.237	1318.8	22.53	1.71%	0	mg/L
i 231.604	-205.5	4.00	1.95%	0	mg/L
b 220.353	22.0	6.54	29.72%	0	mg/L
b 206.833	35.9	1.39	3.86%	0	mg/L
e 196.026	-31.3	2.17	6.92%	0	mg/L
n 189.933	125.5	0.70	0.56%	0	mg/L
i 334.941	-594.3	19.65	3.31%	0	mg/L
l 190.800	-30.0	1.25	4.17%	0	mg/L
292.402	1392.7	6.92	0.50%	0	mg/L
n 206.191	20.1	2.76	13.69%	0	mg/L

Stdv.b 2/11/02

ean Data
D: Calib Std 1 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 02/11/02 3:29:38 PM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
371.030	4156188.8	8396.51	0.20%	0.972	mg/L
g 328.068	190520.7	1615.96	0.85%	1.0000	mg/L
l 308.215	425224.4	4616.40	1.09%	20.0000	mg/L
s 188.979	4153.8	3.52	0.08%	2.0000	mg/L
249.773	431138.4	1886.62	0.44%	5.0000	mg/L
a [illegible].527	2212744.5	311.14	0.01%	20.0000	mg/L
e [illegible].107	3384081.3	3339.76	0.10%	0.5000	mg/L
a [illegible].887	8510165.3	913.71	0.01%	50.0000	mg/L
d 226.502	115725.4	787.05	0.68%	1.0000	mg/L
o 228.616	158082.4	1279.04	0.81%	5.0000	mg/L
r 267.716	140021.2	1239.22	0.89%	1.0000	mg/L

Cu 324.754	629583.9	6139.30	0.98%	2.5000	mg/L
Fe 238.863	269208.8	1956.04	0.73%	10.0000	mg/L
K [illegible].721	2624.8	19.51	0.74%	50.0000	mg/L
Mg [illegible].079	1290500.3	220.36	0.02%	50.0000	mg/L
Mn [illegible].610	777880.1	688.99	0.09%	1.5000	mg/L
Mo 202.030	82910.0	588.17	0.71%	5.0000	mg/L
Na 330.237	40405.0	354.32	0.88%	50.0000	mg/L
Ni 231.604	173450.5	1190.90	0.69%	4.0000	mg/L
Pb 220.353	6116.6	8.18	0.13%	1.0000	mg/L
Sb 206.833	25594.1	110.86	0.43%	10.0000	mg/L
Se 196.026	3092.2	11.91	0.39%	1.0000	mg/L
Sn 189.933	107636.0	726.31	0.67%	10.0000	mg/L
Ti 334.941	2809456.7	982.84	0.03%	5.0000	mg/L
Tl 190.800	3627.7	2.81	0.08%	2.0000	mg/L
V 292.402	1254912.4	647.65	0.05%	5.0000	mg/L
Zn 206.191	172303.8	964.65	0.56%	2.0000	mg/L

Calibration Summary

Method: Method 6010B Date: 02/11/02 3:30:57 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	1	Linear	-1798.7	192319.4	0.00000	1.000000
Al 308.215	1	Linear	4467.2	21037.9	0.00000	1.000000
As 188.979	1	Linear	-30.5	2092.2	0.00000	1.000000
B 249.773	1	Linear	1739.6	85879.8	0.00000	1.000000
Ba 233.527	1	Linear	46.4	110634.9	0.00000	1.000000
Be 313.107	1	Linear	-5566.2	6779295.1	0.00000	1.000000
Ca 315.887	1	Linear	1290.7	170177.5	0.00000	1.000000
Cd 226.502	1	Linear	-195.5	115920.9	0.00000	1.000000
Co 228.616	1	Linear	-276.7	31671.8	0.00000	1.000000
Cr 267.716	1	Linear	-158.3	140179.6	0.00000	1.000000
Cu 324.754	1	Linear	2101.2	250993.1	0.00000	1.000000
Fe 238.863	1	Linear	-579.3	26978.8	0.00000	1.000000
K 721	1	Linear	-1534.7	83.2	0.00000	1.000000
Mg [illegible].079	1	Linear	-840.3	25826.8	0.00000	1.000000
Mn 257.610	1	Linear	-81.3	518641.0	0.00000	1.000000
Mo 202.030	1	Linear	-21.0	16586.2	0.00000	1.000000
Na 330.237	1	Linear	1318.8	781.7	0.00000	1.000000
Ni 231.604	1	Linear	-205.5	43414.0	0.00000	1.000000
Pb 220.353	1	Linear	22.0	6094.6	0.00000	1.000000
Sb 206.833	1	Linear	35.9	2555.8	0.00000	1.000000
Se 196.026	1	Linear	-31.3	3123.5	0.00000	1.000000
Sn 189.933	1	Linear	125.5	10751.0	0.00000	1.000000
Ti 334.941	1	Linear	-594.3	562010.2	0.00000	1.000000
Tl 190.800	1	Linear	-30.0	1828.8	0.00000	1.000000
V 292.402	1	Linear	1392.7	250703.9	0.00000	1.000000
Zn 206.191	1	Linear	20.1	86141.8	0.00000	1.000000

Mean Data

ID: HIGH CHECK Seq. No.: 4 Sample No.: 10 A/S Pos: 2

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 3:34:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4135478.8	0.967	0.0102	mg/L				1.05%
Ag 328.068	193138.9	1.014	0.0086	mg/L				0.85%
Al 308.215	430185.8	20.24	0.176	mg/L				0.87%
As 188.979	4170.9	2.008	0.0226	mg/L				1.13%
B 249.773	440785.0	5.112	0.0565	mg/L				1.10%
Ba 233.527	2216006.0	20.03	0.020	mg/L				0.10%
Be 313.107	3390635.4	0.5010	0.00067	mg/L				0.13%
Ca 315.887	8519732.3	50.06	0.032	mg/L				0.06%
Cd 226.502	117584.5	1.016	0.0096	mg/L				0.94%
Co 228.616	160259.9	5.069	0.0361	mg/L				0.71%
Cr [illegible]7.716	142254.4	1.016	0.0077	mg/L				0.76%
Cu [illegible].754	636677.7	2.528	0.0221	mg/L				0.88%
Fe [illegible]38.863	273219.7	10.15	0.089	mg/L				0.87%
K 404.721	2797.7	52.08	0.786	mg/L				1.51%
Mg 279.079	1292530.3	50.08	0.040	mg/L				0.08%
Mn 257.610	779899.5	1.504	0.0021	mg/L				0.14%

Mo 202.030	84290.5	5.083	0.0522	mg/L	1.03%
Na 330.237	40915.0	50.65	0.466	mg/L	0.92%
Ni [illegible]1.604	175938.9	4.057	0.0389	mg/L	0.96%
Pl [illegible].353	6141.5	1.004	0.0112	mg/L	1.11%
Sb [illegible]6.833	25941.1	10.14	0.113	mg/L	1.11%
Se 196.026	3112.3	1.006	0.0129	mg/L	1.28%
Sn 189.933	109079.8	10.13	0.100	mg/L	0.98%
Ti 334.941	2816711.1	5.013	0.0064	mg/L	0.13%
Tl 190.800	3644.6	2.009	0.0166	mg/L	0.83%
V 292.402	1256287.2	5.005	0.0035	mg/L	0.07%
Zn 206.191	174799.8	2.029	0.0185	mg/L	0.91%

Mean Data ----------

ID: ICV Seq. No.: 5 Sample No.: 1 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 3:40:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4166258.7	0.975	0.0020	mg/L				0.21%
Ag 328.068	96648.6	0.5119	0.00208	mg/L				0.41%
Al 308.215	219266.6	10.21	0.037	mg/L				0.36%
As 188.979	2119.0	1.027	0.0057	mg/L				0.56%
B 249.773	221846.7	2.563	0.0075	mg/L				0.29%
Ba 233.527	1165082.7	10.53	0.003	mg/L				0.03%
Be 313.107	1722337.9	0.2549	0.00023	mg/L				0.09%
Ca 315.887	4354171.1	25.58	0.010	mg/L				0.04%
Cd 226.502	60487.9	0.5235	0.00073	mg/L				0.14%
Co 228.616	82633.1	2.618	0.0090	mg/L				0.34%
Cr 267.716	72754.7	0.5201	0.00214	mg/L				0.41%
Cu 324.754	324812.0	1.286	0.0033	mg/L				0.26%
Fe 238.863	140664.0	5.235	0.0170	mg/L				0.32%
K 404.721	487.6	24.31	0.224	mg/L				0.92%
Mg 279.079	659116.7	25.55	0.092	mg/L				0.36%
Mn [illegible]57.610	405205.6	0.7814	0.00317	mg/L				0.41%
Mo [illegible].030	41752.3	2.519	0.0027	mg/L				0.11%
Na [illegible].237	20373.2	24.37	0.014	mg/L				0.06%
Ni 231.604	91863.2	2.121	0.0063	mg/L				0.30%
Pb 220.353	3200.9	0.5216	0.00075	mg/L				0.14%
Sb 206.833	12823.8	5.003	0.0065	mg/L				0.13%
Se 196.026	1573.3	0.5137	0.00174	mg/L				0.34%
Sn 189.933	57706.5	5.356	0.0111	mg/L				0.21%
Ti 334.941	1407523.8	2.506	0.0035	mg/L				0.14%
Tl 190.800	1909.4	1.060	0.0040	mg/L				0.37%
V 292.402	638527.0	2.541	0.0032	mg/L				0.13%
Zn 206.191	90353.3	1.049	0.0025	mg/L				0.24%

Mean Data ----------

ID: ICB Seq. No.: 6 Sample No.: 3 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 3:45:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4235332.5	0.991	0.0019	mg/L				0.19%
Ag 328.068	-1533.3	0.0014	0.00007	mg/L				4.75%
Al 308.215	4492.6	0.0012	0.00011	mg/L				9.04%
As 188.979	-31.8	-0.0006	0.00117	mg/L				191.36%
B 249.773	5131.8	0.0395	0.00604	mg/L				15.29%
Ba 233.527	225.6	0.0016	0.00071	mg/L				43.62%
Be 313.107	-5225.0	0.0001	0.00003	mg/L				59.47%
Ca 315.887	1883.6	0.0035	0.00269	mg/L				77.08%
Cd 226.502	-191.6	0.0000	0.00001	mg/L				34.28%
Co 228.616	-255.2	0.0007	0.00021	mg/L				31.20%
Cr 267.716	-108.7	0.0004	0.00020	mg/L				57.58%
Cu 324.754	2667.7	0.0023	0.00034	mg/L				15.08%
Fe 238.863	-552.2	0.0010	0.00122	mg/L				121.14%
K [illegible].721	-1545.1	-0.1254	0.03822	mg/L				30.49%
M [illegible].079	-729.0	0.0043	0.00023	mg/L				5.38%
Mn [illegible]57.610	-2.4	0.0002	0.00008	mg/L				53.21%
Mo 202.030	6.2	0.0016	0.00054	mg/L				32.85%
Na 330.237	1443.4	0.1594	0.06499	mg/L				40.77%
Ni 231.604	-192.0	0.0003	0.00003	mg/L				9.62%

b 220.353	20.5	-0.0002	0.00038	mg/L	150.74%
b 206.833	112.8	0.0301	0.00709	mg/L	23.58%
QC xceeds upper limit for Sb 206.833		Action = Continue			
e .026	-29.3	0.0006	0.00041	mg/L	65.75%
n .933	358.2	0.0216	0.00308	mg/L	14.23%
i 334.941	240.5	0.0015	0.00052	mg/L	34.79%
l 190.800	-23.9	0.0033	0.00016	mg/L	4.92%
292.402	1514.6	0.0005	0.00007	mg/L	15.42%
n 206.191	45.5	0.0003	0.00004	mg/L	14.99%

Mean Data

ID: CRI Seq. No.: 7 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 3:50:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4284185.7	1.002	0.0016	mg/L				0.15%
g 328.068	1988.6	0.0197	0.00021	mg/L				1.05%
l 308.215	4510.2	0.0020	0.00085	mg/L				41.46%
s 188.979	11.9	0.0203	0.00031	mg/L				1.55%
249.773	3187.5	0.0169	0.00126	mg/L				7.48%
a 233.527	75.5	0.0003	0.00004	mg/L				16.73%
e 313.107	61798.8	0.0099	0.00005	mg/L				0.55%
a 315.887	1084.7	-0.0012	0.00031	mg/L				25.84%
d 226.502	1022.7	0.0105	0.00007	mg/L				0.62%
o 228.616	3236.3	0.1109	0.00039	mg/L				0.35%
r 267.716	2779.5	0.0210	0.00001	mg/L				0.07%
u 324.754	14807.2	0.0506	0.00014	mg/L				0.27%
e 238.863	23.9	0.0224	0.00918	mg/L				41.07%
404.721	-1489.2	0.5462	0.67891	mg/L				124.30%
g 279.079	-816.0	0.0009	0.00163	mg/L				173.18%
n 257.610	16565.3	0.0321	0.00009	mg/L				0.29%
o 202.030	-10.5	0.0006	0.00001	mg/L				1.34%
a .237	1299.7	-0.0244	0.02607	mg/L				107.06%
i .604	3565.8	0.0869	0.00040	mg/L				0.45%
b .353	63.1	0.0067	0.00098	mg/L				14.57%
b 206.833	377.8	0.1338	0.00018	mg/L				0.13%
e 196.026	8.8	0.0128	0.00014	mg/L				1.12%
n 189.933	238.5	0.0105	0.00127	mg/L				12.06%
i 334.941	-349.2	0.0004	0.00005	mg/L				10.35%
l 190.800	12.6	0.0233	0.00210	mg/L				9.02%
292.402	26715.1	0.1010	0.00073	mg/L				0.72%
n 206.191	3650.1	0.0421	0.00018	mg/L				0.43%

Mean Data

ID: ICSA Seq. No.: 8 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 3:56:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3813633.6	0.892	0.0002	mg/L				0.02%
g 328.068	-3959.7	-0.0112	0.00010	mg/L				0.91%
l 308.215	10530960.1	500.4	1.05	mg/L				0.21%
s 188.979	-96.3	0.0037	0.00141	mg/L				38.29%
249.773	15539.1	0.1607	0.00034	mg/L				0.21%
a 233.527	-927.0	-0.0088	0.00000	mg/L				0.06%
e 313.107	-6392.6	-0.0001	0.00001	mg/L				6.86%
a 315.887	79314198.0	466.1	0.63	mg/L				0.14%
d 226.502	1649.1	0.0048	0.00012	mg/L				2.57%
o 228.616	-306.1	-0.0009	0.00018	mg/L				19.81%
r 267.716	689.3	0.0060	0.00012	mg/L				2.03%
u 324.754	-430.6	0.0014	0.00038	mg/L				27.17%
e 238.863	5066610.2	187.8	0.22	mg/L				0.12%
404.721	-3248.8	4.926	0.7827	mg/L				15.89%
g 279.079	13048295.3	505.3	0.72	mg/L				0.14%
r .610	-4046.5	0.0086	0.00006	mg/L				0.70%
.030	25.2	0.0028	0.00003	mg/L				1.11%
a .237	1168.3	-0.0333	0.00663	mg/L				19.89%
Ni 231.604	-217.3	-0.0003	0.00012	mg/L				42.34%
Pb 220.353	-328.8	-0.0206	0.00068	mg/L				3.33%
Sb 206.833	42.8	0.0027	0.00047	mg/L				17.53%

e 196.026	17.9	0.0066	0.00037 mg/L		5.65%
n 189.933	17379.9	-0.3336	0.00010 mg/L		0.03%
i .941	-3986.4	-0.0060	0.00004 mg/L		0.72%
l .800	-65.5	-0.0194	0.00126 mg/L		6.50%
2?4.402	10432.8	0.0361	0.00016 mg/L		0.44%
n 206.191	1765.7	0.0066	0.00021 mg/L		3.15%

ean Data

D: ICSAB Seq. No.: 9 Sample No.: 7 A/S Pos: 8
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:02:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
' 371.030	3767147.4	0.881	0.0009	mg/L				0.11%
.g 328.068	213399.6	1.119	0.0065	mg/L				0.58%
.l 308.215	10723869.4	509.5	2.04	mg/L				0.40%
.s 188.979	-111.3	-0.0029	0.00292	mg/L				99.97%
' 249.773	15840.9	0.1642	0.00047	mg/L				0.29%
.a 233.527	59396.6	0.5365	0.00192	mg/L				0.36%
.e 313.107	3439808.5	0.5082	0.00048	mg/L				0.09%
.a 315.887	80745819.6	474.5	2.08	mg/L				0.44%
.d 226.502	114420.4	0.9775	0.00417	mg/L				0.43%
.o 228.616	14557.7	0.4684	0.00138	mg/L				0.29%
.r 267.716	71210.9	0.5091	0.00163	mg/L				0.32%
.u 324.754	136819.4	0.5484	0.00295	mg/L				0.54%
.e 238.863	5146287.9	190.8	0.14	mg/L				0.07%
' 404.721	-3624.8	0.8067	1.00850	mg/L				125.01%
.g 279.079	13285925.5	514.5	2.11	mg/L				0.41%
.n 257.610	255739.8	0.5097	0.00254	mg/L				0.50%
.o 202.030	25.4	0.0028	0.00034	mg/L				12.32%
.a 330.237	1492.0	0.3819	0.07262	mg/L				19.01%
.i 231.604	41292.1	0.9559	0.00449	mg/L				0.47%
.b 220.353	5688.9	0.9675	0.00196	mg/L				0.20%
.b ?6.833	49.5	0.0053	0.00133	mg/L				24.98%
.(.026	9.9	0.0039	0.00074	mg/L				18.94%
.n .9.933	17572.6	-0.3510	0.00236	mg/L				0.67%
.i 334.941	-3944.5	-0.0060	0.00008	mg/L				1.32%
.l 190.800	-76.5	-0.0254	0.00060	mg/L				2.37%
.' 292.402	137367.3	0.5424	0.00203	mg/L				0.37%
.n 206.191	84707.5	0.9692	0.00327	mg/L				0.34%

Mean Data

ID: CCV Seq. No.: 10 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:07:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4197183.3	0.982	0.0003	mg/L				0.03%
Ag 328.068	95743.8	0.5072	0.00204	mg/L				0.40%
Al 308.215	218402.7	10.17	0.040	mg/L				0.39%
As 188.979	2113.2	1.025	0.0002	mg/L				0.02%
B 249.773	216153.2	2.497	0.0269	mg/L				1.08%
Ba 233.527	1163685.2	10.52	0.005	mg/L				0.05%
Be 313.107	1719307.0	0.2544	0.00017	mg/L				0.07%
Ca 315.887	4364240.8	25.64	0.034	mg/L				0.13%
Cd 226.502	59871.1	0.5182	0.00283	mg/L				0.55%
Co 228.616	82000.5	2.598	0.0075	mg/L				0.29%
Cr 267.716	72037.4	0.5150	0.00264	mg/L				0.51%
Cu 324.754	321908.3	1.274	0.0082	mg/L				0.65%
Fe 238.863	139918.1	5.208	0.0084	mg/L				0.16%
K 404.721	459.1	23.97	0.421	mg/L				1.76%
Mg 279.079	654055.9	25.36	0.069	mg/L				0.27%
Mn 257.610	401656.0	0.7746	0.00227	mg/L				0.29%
Mo 202.030	41181.0	2.484	0.0183	mg/L				0.74%
Na 330.237	20272.9	24.25	0.215	mg/L				0.89%
N 1.604	90962.6	2.100	0.0102	mg/L				0.49%
P 0.353	3178.6	0.5179	0.00248	mg/L				0.48%
Sb 206.833	12665.2	4.941	0.0293	mg/L				0.59%
Se 196.026	1556.0	0.5082	0.00409	mg/L				0.80%
Sn 189.933	56800.5	5.272	0.0379	mg/L				0.72%
Ti 334.941	1405471.5	2.502	0.0006	mg/L				0.02%

Tl 190.800	1892.8	1.051	0.0016	mg/L	0.15%
V 292.402	637876.2	2.539	0.0010	mg/L	0.04%
Zn 206.191	89448.8	1.038	0.0039	mg/L	0.37%

Mean Data

ID: CCB Seq. No.: 11 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:12:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4289659.7	1.004	0.0022	mg/L				0.22%
Ag 328.068	-1645.1	0.0008	0.00027	mg/L				33.51%
Al 308.215	4438.5	-0.0014	0.00447	mg/L				328.07%
As 188.979	-29.1	0.0007	0.00085	mg/L				121.49%
B 249.773	4188.9	0.0285	0.00543	mg/L				19.04%
Ba 233.527	189.1	0.0013	0.00074	mg/L				57.45%
Be 313.107	-5201.5	0.0001	0.00002	mg/L				38.38%
Ca 315.887	2205.9	0.0054	0.00296	mg/L				54.97%
Cd 226.502	-188.5	0.0001	0.00001	mg/L				21.83%
Co 228.616	-248.0	0.0009	0.00010	mg/L				11.20%
Cr 267.716	-99.1	0.0004	0.00018	mg/L				43.43%
Cu 324.754	2595.0	0.0020	0.00036	mg/L				18.26%
Fe 238.863	-468.8	0.0041	0.00120	mg/L				29.20%
K 404.721	-1490.7	0.5280	0.29520	mg/L				55.91%
Mg 279.079	-722.7	0.0046	0.00149	mg/L				32.81%
Mn 257.610	-82.2	0.0000	0.00005	mg/L				>999.9%
Mo 202.030	4.3	0.0015	0.00032	mg/L				21.30%
Na 330.237	1340.1	0.0272	0.06522	mg/L				239.50%
Ni 231.604	-194.3	0.0003	0.00009	mg/L				36.07%
Pb 220.353	19.7	-0.0004	0.00054	mg/L				138.74%
Sb 206.833	95.7	0.0234	0.00577	mg/L				24.69%
*QC exceeds upper limit for Sb 206.833		Action = Continue						
Se 196.026	-22.2	0.0029	0.00119	mg/L				40.66%
Sn 189.933	284.8	0.0148	0.00328	mg/L				22.16%
Ti [illegible].941	47.5	0.0011	0.00051	mg/L				44.75%
Tl [illegible].800	-26.6	0.0018	0.00005	mg/L				2.61%
V 292.402	1439.6	0.0002	0.00001	mg/L				7.35%
Zn 206.191	47.7	0.0003	0.00018	mg/L				56.23%

Mean Data

ID: IDL Seq. No.: 12 Sample No.: 1 A/S Pos: 9
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:17:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4325781.2	1.012	0.0067	mg/L				0.66%
Ag 328.068	213.1	0.0105	0.00009	mg/L				0.84%
Al 308.215	8492.9	0.1914	0.00001	mg/L				0.00%
As 188.979	10.5	0.0196	0.00204	mg/L				10.43%
B 249.773	27732.1	0.3027	0.00350	mg/L				1.16%
Ba 233.527	23619.2	0.2131	0.00176	mg/L				0.83%
Be 313.107	27966.0	0.0049	0.00004	mg/L				0.74%
Ca 315.887	87364.0	0.5058	0.00462	mg/L				0.91%
Cd 226.502	1012.5	0.0104	0.00003	mg/L				0.29%
Co 228.616	1425.1	0.0537	0.00027	mg/L				0.50%
Cr 267.716	1276.1	0.0102	0.00007	mg/L				0.67%
Cu 324.754	8780.0	0.0266	0.00016	mg/L				0.61%
Fe 238.863	2226.4	0.1040	0.00011	mg/L				0.10%
K 404.721	-713.4	9.873	1.1292	mg/L				11.44%
Mg 279.079	11796.6	0.4893	0.00349	mg/L				0.71%
Mn 257.610	7976.9	0.0155	0.00004	mg/L				0.25%
Mo 202.030	1623.9	0.0992	0.00025	mg/L				0.25%
Na 330.237	1966.4	0.8285	0.10596	mg/L				12.79%
Ni 231.604	1604.3	0.0417	0.00025	mg/L				0.60%
Pb 220.353	83.2	0.0100	0.00026	mg/L				2.58%
Sb [illegible].833	127.6	0.0359	0.00116	mg/L				3.24%
Se [illegible].026	0.2	0.0101	0.00083	mg/L				8.20%
Sn 189.933	5226.4	0.4745	0.00132	mg/L				0.28%
Ti 334.941	55703.1	0.1002	0.00078	mg/L				0.78%
Tl 190.800	11.3	0.0226	0.00080	mg/L				3.55%
V 292.402	13879.6	0.0498	0.00003	mg/L				0.07%

a 206.191	1877.2	0.0216	0.00017	mg/L	0.78%

ata

D: , Seq. No.: 13 Sample No.: 2 A/S Pos: 10
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:23:00 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
.371.030	4339900.5	1.015	0.0032	mg/L				0.31%
g 328.068	177.5	0.0103	0.00017	mg/L				1.64%
l 308.215	8460.7	0.1898	0.00525	mg/L				2.77%
s 188.979	9.7	0.0192	0.00127	mg/L				6.59%
249.773	27408.4	0.2989	0.00282	mg/L				0.94%
a 233.527	23577.6	0.2127	0.00306	mg/L				1.44%
e 313.107	27888.4	0.0049	0.00005	mg/L				0.98%
a 315.887	87016.8	0.5037	0.00443	mg/L				0.88%
d 226.502	1006.8	0.0104	0.00000	mg/L				0.00%
o 228.616	1419.8	0.0536	0.00006	mg/L				0.12%
r 267.716	1305.6	0.0104	0.00048	mg/L				4.56%
u 324.754	8686.7	0.0262	0.00035	mg/L				1.35%
e 238.863	2195.3	0.1028	0.00087	mg/L				0.84%
404.721	-799.7	8.834	0.3136	mg/L				3.55%
g 279.079	11751.8	0.4876	0.00562	mg/L				1.15%
n 257.610	7909.8	0.0154	0.00010	mg/L				0.67%
o 202.030	1610.5	0.0984	0.00002	mg/L				0.02%
a 330.237	1995.7	0.8659	0.10124	mg/L				11.69%
i 231.604	1605.4	0.0417	0.00008	mg/L				0.19%
b 220.353	82.8	0.0100	0.00002	mg/L				0.25%
b 206.833	122.5	0.0339	0.00048	mg/L				1.42%
e 196.026	6.9	0.0122	0.00085	mg/L				6.93%
n 189.933	5178.2	0.4700	0.00067	mg/L				0.14%
i 334.941	55498.4	0.0998	0.00099	mg/L				0.99%
l 190.800	8.7	0.0211	0.00071	mg/L				3.38%
402	13780.5	0.0494	0.00077	mg/L				1.56%
n .191	1856.6	0.0213	0.00014	mg/L				0.66%

lean Data

D: IDL Seq. No.: 14 Sample No.: 3 A/S Pos: 11
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:28:02 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4310752.9	1.008	0.0161	mg/L				1.60%
g 328.068	157.3	0.0102	0.00008	mg/L				0.74%
l 308.215	8568.5	0.1949	0.00782	mg/L				4.01%
s 188.979	9.4	0.0191	0.00111	mg/L				5.83%
249.773	27431.7	0.2992	0.00324	mg/L				1.08%
a 233.527	23617.6	0.2131	0.00111	mg/L				0.52%
e 313.107	28062.7	0.0050	0.00003	mg/L				0.62%
a 315.887	88656.5	0.5134	0.00315	mg/L				0.61%
d 226.502	1016.5	0.0105	0.00009	mg/L				0.85%
o 228.616	1421.4	0.0536	0.00062	mg/L				1.15%
r 267.716	1319.7	0.0105	0.00044	mg/L				4.17%
u 324.754	8696.5	0.0263	0.00045	mg/L				1.71%
e 238.863	2203.8	0.1032	0.00177	mg/L				1.72%
404.721	-666.7	10.43	0.793	mg/L				7.60%
g 279.079	11818.6	0.4901	0.00105	mg/L				0.21%
n 257.610	7942.4	0.0155	0.00003	mg/L				0.21%
o 202.030	1625.6	0.0993	0.00186	mg/L				1.87%
a 330.237	1908.0	0.7537	0.08918	mg/L				11.83%
i 231.604	1610.8	0.0418	0.00065	mg/L				1.56%
b 220.353	85.7	0.0105	0.00004	mg/L				0.41%
b 206.833	120.0	0.0329	0.00067	mg/L				2.05%
e 196.026	8.7	0.0128	0.00056	mg/L				4.41%
n 189.933	5203.9	0.4724	0.00849	mg/L				1.80%
.941	55558.4	0.0999	0.00050	mg/L				0.50%
.800	10.2	0.0220	0.00130	mg/L				5.93%
V 292.402	13832.8	0.0496	0.00031	mg/L				0.63%
Zn 206.191	1911.8	0.0220	0.00043	mg/L				1.98%

Mean Data

D: IDL Seq. No.: 15 Sample No.: 4 A/S Pos: 12
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:33:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
: 371.030	4356602.1	1.019	0.0014	mg/L				0.14%
g 328.068	136.2	0.0101	0.00019	mg/L				1.86%
l 308.215	8393.8	0.1866	0.00078	mg/L				0.42%
s 188.979	9.3	0.0191	0.00007	mg/L				0.39%
249.773	26908.0	0.2931	0.00245	mg/L				0.84%
a 233.527	23244.6	0.2097	0.00062	mg/L				0.29%
e 313.107	27532.3	0.0049	0.00000	mg/L				0.06%
a 315.887	86279.2	0.4994	0.00074	mg/L				0.15%
d 226.502	999.0	0.0103	0.00001	mg/L				0.10%
o 228.616	1395.2	0.0528	0.00020	mg/L				0.37%
r 267.716	1251.4	0.0101	0.00006	mg/L				0.56%
u 324.754	8473.7	0.0254	0.00004	mg/L				0.15%
e 238.863	2147.8	0.1011	0.00016	mg/L				0.16%
404.721	-688.3	10.17	0.123	mg/L				1.21%
g 279.079	11683.3	0.4849	0.00266	mg/L				0.55%
n 257.610	7849.4	0.0153	0.00006	mg/L				0.41%
o 202.030	1605.3	0.0980	0.00007	mg/L				0.07%
a 330.237	1976.3	0.8411	0.04424	mg/L				5.26%
i 231.604	1590.4	0.0414	0.00021	mg/L				0.51%
b 220.353	85.8	0.0105	0.00069	mg/L				6.61%
b 206.833	112.2	0.0298	0.00233	mg/L				7.81%
e 196.026	5.4	0.0117	0.00301	mg/L				25.60%
n 189.933	5126.7	0.4652	0.00003	mg/L				0.01%
i 334.941	54668.2	0.0983	0.00023	mg/L				0.23%
l 190.800	10.6	0.0222	0.00154	mg/L				6.95%
292.402	13628.1	0.0488	0.00021	mg/L				0.43%
n 206.191	1838.6	0.0211	0.00007	mg/L				0.33%

Me Data
ID: IDL Seq. No.: 16 Sample No.: 5 A/S Pos: 13
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:38:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4349097.4	1.017	0.0007	mg/L				0.07%
Ag 328.068	119.3	0.0100	0.00016	mg/L				1.60%
Al 308.215	8423.0	0.1880	0.00369	mg/L				1.96%
As 188.979	7.4	0.0181	0.00054	mg/L				2.99%
B 249.773	27064.9	0.2949	0.00394	mg/L				1.33%
Ba 233.527	23391.1	0.2110	0.00290	mg/L				1.38%
Be 313.107	27732.1	0.0049	0.00008	mg/L				1.54%
Ca 315.887	86430.0	0.5003	0.00829	mg/L				1.66%
Cd 226.502	1004.0	0.0103	0.00003	mg/L				0.32%
Co 228.616	1403.5	0.0531	0.00002	mg/L				0.03%
Cr 267.716	1256.8	0.0101	0.00023	mg/L				2.25%
Cu 324.754	8569.3	0.0258	0.00030	mg/L				1.18%
Fe 238.863	2161.6	0.1016	0.00059	mg/L				0.58%
K 404.721	-668.6	10.41	0.640	mg/L				6.15%
Mg 279.079	11746.6	0.4874	0.00777	mg/L				1.59%
Mn 257.610	7879.6	0.0153	0.00028	mg/L				1.79%
Mo 202.030	1607.8	0.0982	0.00010	mg/L				0.11%
Na 330.237	1900.2	0.7437	0.05743	mg/L				7.72%
Ni 231.604	1589.9	0.0414	0.00013	mg/L				0.32%
Pb 220.353	84.5	0.0103	0.00040	mg/L				3.92%
Sb 206.833	115.1	0.0310	0.00032	mg/L				1.05%
Se 196.026	3.3	0.0111	0.00107	mg/L				9.70%
Sn 189.933	5135.6	0.4660	0.00077	mg/L				0.17%
Ti 334.941	54970.5	0.0989	0.00162	mg/L				1.64%
Tl 190.800	11.3	0.0226	0.00050	mg/L				2.23%
V 292.402	13746.6	0.0493	0.00106	mg/L				2.14%
Z 6.191	1845.1	0.0212	0.00005	mg/L				0.21%

Mean Data
ID: IDL Seq. No.: 17 Sample No.: 6 A/S Pos: 14
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:43:09 PM

le	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
:30	4348433.9	1.017	0.0005	mg/L				0.05%
g 328.068	90.0	0.0098	0.00002	mg/L				0.20%
l 308.215	8421.7	0.1880	0.00291	mg/L				1.55%
s 188.979	9.8	0.0193	0.00036	mg/L				1.89%
249.773	26899.6	0.2930	0.00216	mg/L				0.74%
a 233.527	23302.6	0.2102	0.00281	mg/L				1.34%
e 313.107	27637.4	0.0049	0.00006	mg/L				1.13%
a 315.887	86419.4	0.5002	0.00592	mg/L				1.18%
d 226.502	1006.1	0.0104	0.00008	mg/L				0.73%
o 228.616	1404.7	0.0531	0.00006	mg/L				0.11%
r 267.716	1306.8	0.0105	0.00019	mg/L				1.86%
u 324.754	8469.2	0.0254	0.00020	mg/L				0.80%
e 238.863	2141.5	0.1008	0.00012	mg/L				0.11%
404.721	-714.5	9.859	1.1976	mg/L				12.15%
g 279.079	11632.5	0.4829	0.00560	mg/L				1.16%
n 257.610	7809.1	0.0152	0.00012	mg/L				0.81%
o 202.030	1614.7	0.0986	0.00047	mg/L				0.48%
a 330.237	1974.9	0.8394	0.10670	mg/L				12.71%
i 231.604	1586.8	0.0413	0.00001	mg/L				0.03%
b 220.353	85.3	0.0104	0.00046	mg/L				4.47%
b 206.833	114.8	0.0309	0.00023	mg/L				0.74%
e 196.026	8.7	0.0128	0.00040	mg/L				3.10%
n 189.933	5140.3	0.4664	0.00141	mg/L				0.30%
i 334.941	54485.1	0.0980	0.00112	mg/L				1.15%
l 190.800	11.0	0.0224	0.00055	mg/L				2.45%
292.402	13624.1	0.0488	0.00076	mg/L				1.56%
n 206.191	1852.8	0.0213	0.00000	mg/L				0.00%

ean Data

D: IDL Seq. No.: 18 Sample No.: 7 A/S Pos: 15
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:48:13 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4338756.4	1.015	0.0038	mg/L				0.37%
g 328.068	62.8	0.0097	0.00056	mg/L				5.82%
l 308.215	8460.5	0.1898	0.00431	mg/L				2.27%
s 188.979	13.2	0.0209	0.00066	mg/L				3.15%
249.773	27047.4	0.2947	0.00035	mg/L				0.12%
a 233.527	23468.0	0.2117	0.00141	mg/L				0.66%
e 313.107	27762.5	0.0049	0.00003	mg/L				0.68%
a 315.887	86810.9	0.5025	0.00268	mg/L				0.53%
d 226.502	1012.4	0.0104	0.00002	mg/L				0.21%
o 228.616	1404.3	0.0531	0.00031	mg/L				0.59%
r 267.716	1282.6	0.0103	0.00018	mg/L				1.74%
u 324.754	8508.0	0.0255	0.00010	mg/L				0.39%
e 238.863	2150.7	0.1012	0.00098	mg/L				0.97%
404.721	-700.4	10.03	1.534	mg/L				15.30%
g 279.079	11700.7	0.4856	0.00094	mg/L				0.19%
n 257.610	7886.6	0.0154	0.00005	mg/L				0.32%
o 202.030	1619.2	0.0989	0.00006	mg/L				0.06%
a 330.237	1909.7	0.7559	0.02408	mg/L				3.18%
i 231.604	1595.5	0.0415	0.00010	mg/L				0.23%
b 220.353	82.5	0.0099	0.00072	mg/L				7.25%
b 206.833	114.3	0.0307	0.00131	mg/L				4.26%
e 196.026	6.9	0.0122	0.00203	mg/L				16.59%
n 189.933	5155.5	0.4679	0.00241	mg/L				0.52%
i 334.941	54916.3	0.0988	0.00060	mg/L				0.61%
l 190.800	11.5	0.0227	0.00119	mg/L				5.25%
292.402	13698.6	0.0491	0.00059	mg/L				1.20%
n 206.191	1851.6	0.0213	0.00010	mg/L				0.45%

ean Data

D Seq. No.: 19 Sample No.: 5 A/S Pos: 6
a Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 4:53:18 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD

? 371.030	4284957.8	1.002	0.0057	mg/L	0.57%
Ag 328.068	1897.1	0.0192	0.00016	mg/L	0.84%
Al ?.215	4469.9	0.0001	0.00271	mg/L	>999.9%
As .979	15.4	0.0220	0.00078	mg/L	3.57%
B ?.773	2491.7	0.0088	0.00042	mg/L	4.80%
Ba 233.527	66.9	0.0002	0.00005	mg/L	27.98%
Be 313.107	62066.9	0.0100	0.00013	mg/L	1.28%
Ca 315.887	1019.7	-0.0016	0.00018	mg/L	11.16%
Cd 226.502	1024.9	0.0105	0.00008	mg/L	0.77%
Co 228.616	3213.1	0.1102	0.00058	mg/L	0.52%
Cr 267.716	2802.4	0.0211	0.00085	mg/L	4.04%
Cu 324.754	14588.2	0.0498	0.00088	mg/L	1.77%
Fe 238.863	-405.6	0.0064	0.00048	mg/L	7.42%
K 404.721	-1578.9	-0.5317	0.50095	mg/L	94.22%
Mg 279.079	-815.6	0.0010	0.00010	mg/L	9.99%
Mn 257.610	16524.0	0.0320	0.00047	mg/L	1.47%
Mo 202.030	-17.9	0.0002	0.00024	mg/L	127.58%
Na 330.237	1349.1	0.0388	0.07777	mg/L	200.21%
Ni 231.604	3581.3	0.0872	0.00013	mg/L	0.14%
Pb 220.353	57.9	0.0059	0.00001	mg/L	0.19%
Sb 206.833	350.5	0.1231	0.00148	mg/L	1.20%
Se 196.026	10.4	0.0134	0.00136	mg/L	10.17%
Sn 189.933	153.1	0.0026	0.00059	mg/L	23.12%
Ti 334.941	-504.7	0.0002	0.00003	mg/L	16.61%
Tl 190.800	13.4	0.0237	0.00005	mg/L	0.22%
V 292.402	26752.6	0.1012	0.00118	mg/L	1.17%
Zn 206.191	3656.1	0.0422	0.00020	mg/L	0.46%

Mean Data ----------

ID: ICSA Seq. No.: 20 Sample No.: 6 A/S Pos: 7

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 4:58:55 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
? 030	3812522.4	0.892	0.0103	mg/L				1.16%
Ag .068	-4074.7	-0.0118	0.00037	mg/L				3.12%
Al 308.215	10523064.6	500.0	5.41	mg/L				1.08%
As 188.979	-97.9	0.0028	0.00091	mg/L				32.53%
B 249.773	15042.1	0.1549	0.00089	mg/L				0.58%
Ba 233.527	-903.3	-0.0086	0.00014	mg/L				1.59%
Be 313.107	-6551.5	-0.0001	0.00000	mg/L				2.02%
Ca 315.887	79503596.0	467.2	5.48	mg/L				1.17%
Cd 226.502	1633.2	0.0047	0.00012	mg/L				2.56%
Co 228.616	-305.2	-0.0009	0.00008	mg/L				8.53%
Cr 267.716	717.5	0.0062	0.00002	mg/L				0.37%
Cu 324.754	-761.5	0.0000	0.00032	mg/L				725.79%
Fe 238.863	5046753.4	187.1	0.28	mg/L				0.15%
K 404.721	-3440.0	2.528	0.7059	mg/L				27.93%
Mg 279.079	13063870.9	505.9	5.79	mg/L				1.14%
Mn 257.610	-4355.8	0.0079	0.00001	mg/L				0.07%
Mo 202.030	21.4	0.0026	0.00032	mg/L				12.38%
Na 330.237	1179.2	-0.0235	0.01146	mg/L				48.77%
Ni 231.604	-215.4	-0.0002	0.00014	mg/L				63.24%
Pb 220.353	-329.5	-0.0207	0.00046	mg/L				2.23%
Sb 206.833	33.3	-0.0010	0.00184	mg/L				176.45%
Se 196.026	18.7	0.0069	0.00277	mg/L				40.35%
Sn 189.933	17347.4	-0.3389	0.00548	mg/L				1.62%
Ti 334.941	-4111.5	-0.0063	0.00004	mg/L				0.68%
Tl 190.800	-66.7	-0.0201	0.00072	mg/L				3.59%
V 292.402	10609.2	0.0368	0.00063	mg/L				1.72%
Zn 206.191	1753.9	0.0064	0.00013	mg/L				1.96%

Mean Data ----------

ID: ICSAB Seq. No.: 21 Sample No.: 7 A/S Pos: 8

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 5:05:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
? 371.030	3769674.2	0.882	0.0067	mg/L				0.76%
Ag 328.068	210312.7	1.103	0.0038	mg/L				0.35%
Al 308.215	10670955.1	507.0	3.39	mg/L				0.67%

As 188.979	-110.3	-0.0026	0.00278	mg/L	106.97%
B 249.773	15229.3	0.1571	0.00103	mg/L	0.65%
Ba 233.527	59086.9	0.5337	0.00213	mg/L	0.40%
Be 313.107	3449863.9	0.5097	0.00082	mg/L	0.16%
Ca 315.887	80553262.1	473.3	2.95	mg/L	0.62%
Cd 226.502	114233.5	0.9759	0.00407	mg/L	0.42%
Co 228.616	14411.7	0.4638	0.00253	mg/L	0.55%
Cr 267.716	70062.7	0.5009	0.00238	mg/L	0.48%
Cu 324.754	135094.4	0.5415	0.00154	mg/L	0.28%
Fe 238.863	5127660.5	190.1	0.27	mg/L	0.14%
K 404.721	-3566.1	1.418	1.9674	mg/L	138.70%
Mg 279.079	13229126.1	512.3	3.45	mg/L	0.67%
Mn 257.610	250377.0	0.4993	0.00261	mg/L	0.52%
Mo 202.030	21.8	0.0026	0.00051	mg/L	19.80%
Na 330.237	1469.4	0.3518	0.03797	mg/L	10.79%
Ni 231.604	40978.3	0.9486	0.00395	mg/L	0.42%
Pb 220.353	5741.5	0.9760	0.00538	mg/L	0.55%
Sb 206.833	37.4	0.0006	0.00105	mg/L	184.24%
Se 196.026	23.2	0.0082	0.00215	mg/L	26.21%
Sn 189.933	17540.2	-0.3455	0.00078	mg/L	0.22%
Ti 334.941	-3970.5	-0.0060	0.00008	mg/L	1.37%
Tl 190.800	-75.1	-0.0247	0.00116	mg/L	4.71%
V 292.402	135446.6	0.5347	0.00244	mg/L	0.46%
Zn 206.191	83920.1	0.9601	0.00530	mg/L	0.55%

Mean Data ----------

ID: CCV Seq. No.: 22 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:10:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4248902.3	0.994	0.0084	mg/L				0.84%
Ag 328.068	93522.4	0.4956	0.00131	mg/L				0.27%
Al 308.215	212781.8	9.902	0.0069	mg/L				0.07%
As 188.979	2059.9	0.9992	0.00999	mg/L				1.00%
B 249.773	209624.8	2.421	0.0276	mg/L				1.14%
Ba 233.527	1137715.7	10.28	0.003	mg/L				0.03%
Be 313.107	1684227.1	0.2493	0.00001	mg/L				0.01%
Ca 315.887	4261922.6	25.04	0.054	mg/L				0.22%
Cd 226.502	58991.0	0.5106	0.00012	mg/L				0.02%
Co 228.616	79550.1	2.520	0.0062	mg/L				0.25%
Cr 267.716	70133.9	0.5014	0.00030	mg/L				0.06%
Cu 324.754	314659.9	1.245	0.0053	mg/L				0.43%
Fe 238.863	136709.2	5.089	0.0082	mg/L				0.16%
K 404.721	327.3	22.38	0.972	mg/L				4.34%
*QC exceeds lower limit for K 404.721		Recovery = 89.53%		Action = Continue				
Mg 279.079	639930.7	24.81	0.007	mg/L				0.03%
Mn 257.610	388999.7	0.7502	0.00157	mg/L				0.21%
Mo 202.030	40629.6	2.451	0.0069	mg/L				0.28%
Na 330.237	19648.4	23.45	0.165	mg/L				0.70%
Ni 231.604	89148.0	2.058	0.0019	mg/L				0.09%
Pb 220.353	3168.3	0.5163	0.00301	mg/L				0.58%
Sb 206.833	12407.9	4.841	0.0238	mg/L				0.49%
Se 196.026	1542.6	0.5039	0.00305	mg/L				0.60%
Sn 189.933	55457.1	5.147	0.0348	mg/L				0.68%
Ti 334.941	1359778.1	2.421	0.0035	mg/L				0.15%
Tl 190.800	1883.0	1.046	0.0075	mg/L				0.72%
V 292.402	619178.0	2.464	0.0020	mg/L				0.08%
Zn 206.191	87598.9	1.017	0.0017	mg/L				0.17%

Mean Data ----------

ID: CCB Seq. No.: 23 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:15:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4336138.4	1.014	0.0005	mg/L				0.05%
Ag 328.068	-1677.2	0.0006	0.00055	mg/L				87.40%
Al 308.215	4494.4	0.0013	0.00155	mg/L				119.81%
As 188.979	-28.2	0.0011	0.00115	mg/L				104.12%
B 249.773	3928.5	0.0255	0.00463	mg/L				18.17%

Ba 233.527	193.0	0.0013	0.00047 mg/L		35.26%
Be 313.107	-5097.8	0.0001	0.00002 mg/L		35.98%
Ca [illegible]5.887	2652.5	0.0080	0.00249 mg/L		31.17%
Cd [illegible].502	-189.1	0.0001	0.00006 mg/L		112.29%
Co [illegible]8.616	-254.7	0.0007	0.00026 mg/L		37.91%
Cr 267.716	-100.7	0.0004	0.00025 mg/L		61.81%
Cu 324.754	2460.9	0.0014	0.00045 mg/L		31.41%
Fe 238.863	-458.5	0.0045	0.00100 mg/L		22.41%
K 404.721	-1509.5	0.3022	0.32181 mg/L		106.49%
Mg 279.079	-701.3	0.0054	0.00238 mg/L		44.15%
Mn 257.610	-109.7	-0.0001	0.00004 mg/L		69.84%
Mo 202.030	2.0	0.0014	0.00050 mg/L		36.05%
Na 330.237	1351.5	0.0419	0.08188 mg/L		195.56%
Ni 231.604	-197.0	0.0002	0.00004 mg/L		18.26%
Pb 220.353	19.4	-0.0004	0.00006 mg/L		13.57%
Sb 206.833	89.4	0.0209	0.00685 mg/L		32.72%
*QC exceeds upper limit for Sb 206.833			Action = Continue		
Se 196.026	-25.3	0.0019	0.00080 mg/L		41.52%
Sn 189.933	264.1	0.0129	0.00295 mg/L		22.87%
Ti 334.941	-0.5	0.0011	0.00045 mg/L		42.51%
Tl 190.800	-24.9	0.0028	0.00013 mg/L		4.56%
V 292.402	1465.5	0.0003	0.00010 mg/L		34.70%
Zn 206.191	49.3	0.0003	0.00010 mg/L		30.29%

Mean Data ----------

ID: PBW-M2680016 Seq. No.: 24 Sample No.: 8 A/S Pos: 16
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:20:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4317946.6	1.010	0.0006	mg/L				0.05%
Ag 328.068	-1743.3	0.0003	0.00008	mg/L				27.28%
Al 308.215	4565.7	0.0047	0.00338	mg/L				72.22%
As [illegible]88.979	-29.1	0.0007	0.00072	mg/L				103.44%
B [illegible].773	3282.5	0.0180	0.00081	mg/L				4.50%
Ba [illegible]3.527	70.5	0.0002	0.00002	mg/L				10.17%
Be 313.107	-5332.4	0.0000	0.00000	mg/L				7.92%
Ca 315.887	3990.5	0.0159	0.00087	mg/L				5.51%
Cd 226.502	-186.4	0.0001	0.00004	mg/L				45.96%
Co 228.616	-267.2	0.0003	0.00022	mg/L				75.00%
Cr 267.716	-118.0	0.0003	0.00006	mg/L				22.60%
Cu 324.754	2518.6	0.0017	0.00010	mg/L				6.18%
Fe 238.863	-380.2	0.0074	0.00072	mg/L				9.71%
K 404.721	-1494.9	0.4777	0.45291	mg/L				94.80%
Mg 279.079	-658.9	0.0070	0.00015	mg/L				2.14%
Mn 257.610	-148.3	-0.0001	0.00001	mg/L				4.61%
Mo 202.030	-13.6	0.0004	0.00006	mg/L				12.56%
Na 330.237	1280.8	-0.0485	0.07028	mg/L				144.81%
Ni 231.604	-182.6	0.0005	0.00007	mg/L				14.14%
Pb 220.353	23.0	0.0002	0.00013	mg/L				84.21%
Sb 206.833	51.7	0.0062	0.00196	mg/L				31.66%
Se 196.026	-27.4	0.0013	0.00046	mg/L				36.33%
Sn 189.933	150.3	0.0023	0.00060	mg/L				26.17%
Ti 334.941	-428.6	0.0003	0.00004	mg/L				12.87%
Tl 190.800	-28.2	0.0010	0.00063	mg/L				65.83%
V 292.402	1386.4	0.0000	0.00003	mg/L				107.79%
Zn 206.191	465.8	0.0052	0.00003	mg/L				0.60%

Mean Data ----------

ID: LCSW-M2680016 Seq. No.: 25 Sample No.: 9 A/S Pos: 17
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:26:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4344632.1	1.016	0.0006	mg/L				0.06%
A[illegible]8.068	7598.4	0.0489	0.00022	mg/L				0.45%
A[illegible]8.215	44333.6	1.895	0.0051	mg/L				0.27%
As 188.979	45.4	0.0363	0.00134	mg/L				3.68%
B 249.773	83053.0	0.9468	0.01013	mg/L				1.07%
Ba 233.527	224897.8	2.032	0.0092	mg/L				0.45%
Be 313.107	322146.7	0.0483	0.00003	mg/L				0.06%

Ca 315.887	336019.6	1.967	0.0088	mg/L	0.45%
Cd 226.502	5696.2	0.0508	0.00005	mg/L	0.09%
Co [illegible].616	15866.1	0.5097	0.00228	mg/L	0.45%
Cr [illegible].716	26916.6	0.1931	0.00010	mg/L	0.05%
Cu [illegible]4.754	64828.9	0.2499	0.00077	mg/L	0.31%
Fe 238.863	26195.2	0.9924	0.00332	mg/L	0.33%
K 404.721	112.8	19.80	0.796	mg/L	4.02%
Mg 279.079	48891.0	1.926	0.0088	mg/L	0.46%
Mn 257.610	253342.9	0.4886	0.00131	mg/L	0.27%
Mo 202.030	7747.6	0.4684	0.00045	mg/L	0.10%
Na 330.237	15080.4	17.60	0.044	mg/L	0.25%
Ni 231.604	21957.8	0.5105	0.00341	mg/L	0.67%
Pb 220.353	3136.8	0.5111	0.00002	mg/L	0.00%
Sb 206.833	1251.9	0.4758	0.00263	mg/L	0.55%
Se 196.026	3044.2	0.9846	0.00015	mg/L	0.01%
Sn 189.933	44157.2	4.096	0.0254	mg/L	0.62%
Ti 334.941	265214.3	0.4730	0.00089	mg/L	0.19%
Tl 190.800	3667.6	2.022	0.0008	mg/L	0.04%
V 292.402	119634.8	0.4716	0.00106	mg/L	0.22%
Zn 206.191	44393.4	0.5151	0.00324	mg/L	0.63%

Mean Data

ID: 525635 Seq. No.: 26 Sample No.: 10 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:31:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4012190.4	0.939	0.0096	mg/L				1.03%
Ag 328.068	-2189.0	-0.0020	0.00014	mg/L				7.13%
Al 308.215	7774.6	0.1572	0.00003	mg/L				0.02%
As 188.979	-31.4	-0.0004	0.00179	mg/L				445.02%
B 249.773	10598.2	0.1032	0.00201	mg/L				1.95%
Ba 233.527	3508.7	0.0313	0.00031	mg/L				1.01%
Be [illegible]13.107	-5813.1	0.0000	0.00002	mg/L				59.79%
C [illegible].887	38642664.5	227.1	3.06	mg/L				1.35%
Ca 6.502	-192.7	0.0000	0.00010	mg/L				418.78%
Co 228.616	-273.4	0.0001	0.00039	mg/L				373.83%
Cr 267.716	59.4	0.0016	0.00003	mg/L				1.81%
Cu 324.754	35408.3	0.1327	0.00047	mg/L				0.36%
Fe 238.863	20634.5	0.7863	0.00137	mg/L				0.17%
K 404.721	-1068.4	5.605	0.3014	mg/L				5.38%
Mg 279.079	124321.1	4.846	0.0049	mg/L				0.10%
Mn 257.610	18461.0	0.0358	0.00005	mg/L				0.15%
Mo 202.030	51.0	0.0043	0.00005	mg/L				1.10%
Na 330.237	102646.0	129.6	0.41	mg/L				0.32%
Ni 231.604	-136.5	0.0016	0.00026	mg/L				16.44%
Pb 220.353	30.2	0.0013	0.00050	mg/L				37.24%
Sb 206.833	50.4	0.0057	0.00167	mg/L				29.41%
Se 196.026	-36.4	-0.0016	0.00062	mg/L				37.71%
Sn 189.933	1612.5	0.1383	0.00084	mg/L				0.61%
Ti 334.941	-803.2	-0.0004	0.00027	mg/L				72.27%
Tl 190.800	-26.9	0.0017	0.00116	mg/L				69.99%
V 292.402	1814.4	0.0017	0.00015	mg/L				9.05%
Zn 206.191	4575.3	0.0529	0.00068	mg/L				1.28%

Mean Data

ID: 525635D Seq. No.: 27 Sample No.: 11 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:36:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4052101.3	0.948	0.0036	mg/L				0.38%
Ag 328.068	-2183.0	-0.0020	0.00047	mg/L				23.48%
Al 308.215	7078.6	0.1241	0.00001	mg/L				0.00%
As 188.979	-29.8	0.0003	0.00142	mg/L				410.11%
B [illegible].773	9377.1	0.0889	0.00137	mg/L				1.54%
Ba [illegible]3.527	3399.1	0.0303	0.00015	mg/L				0.51%
Be 513.107	-5822.5	0.0000	0.00001	mg/L				33.03%
Ca 315.887	37873374.4	222.5	2.47	mg/L				1.11%
Cd 226.502	-190.4	0.0000	0.00004	mg/L				88.28%
Co 228.616	-260.8	0.0005	0.00008	mg/L				15.44%

r 267.716	49.7	0.0015	0.00009	mg/L	5.92%
u 324.754	32538.1	0.1213	0.00041	mg/L	0.34%
e .863	19845.3	0.7571	0.00445	mg/L	0.59%
/21	-1068.3	5.606	0.2813	mg/L	5.02%
g 279.079	121054.8	4.720	0.0222	mg/L	0.47%
n 257.610	17946.1	0.0348	0.00025	mg/L	0.71%
o 202.030	45.2	0.0040	0.00012	mg/L	2.89%
a 330.237	99698.4	125.8	0.46	mg/L	0.36%
i 231.604	-128.6	0.0018	0.00005	mg/L	2.54%
b 220.353	26.4	0.0007	0.00042	mg/L	58.70%
b 206.833	42.6	0.0026	0.00087	mg/L	33.57%
e 196.026	-28.8	0.0008	0.00153	mg/L	193.57%
n 189.933	1541.7	0.1317	0.00004	mg/L	0.03%
i 334.941	-1053.0	-0.0008	0.00053	mg/L	65.42%
l 190.800	-28.1	0.0011	0.00054	mg/L	51.32%
292.402	1708.9	0.0013	0.00014	mg/L	11.02%
n 206.191	4151.2	0.0480	0.00011	mg/L	0.22%

ean Data ----------

D: 525635S Seq. No.: 28 Sample No.: 12 A/S Pos: 20
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:42:22 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4058514.0	0.949	0.0018	mg/L				0.19%
g 328.068	7540.2	0.0486	0.00012	mg/L				0.26%
l 308.215	50031.7	2.166	0.0016	mg/L				0.07%
s 188.979	48.7	0.0379	0.00001	mg/L				0.02%
249.773	94365.7	1.079	0.0047	mg/L				0.44%
a 233.527	224472.1	2.029	0.0070	mg/L				0.34%
e 313.107	328578.8	0.0493	0.00002	mg/L				0.03%
a 315.887	38308412.3	225.1	0.34	mg/L				0.15%
d 226.502	5538.8	0.0495	0.00010	mg/L				0.19%
o .616	15596.8	0.5012	0.00179	mg/L				0.36%
r .716	27560.0	0.1977	0.00069	mg/L				0.35%
u .754	99489.3	0.3880	0.00171	mg/L				0.44%
e 238.863	47264.2	1.773	0.0102	mg/L				0.57%
404.721	947.2	29.83	1.269	mg/L				4.25%
g 279.079	171782.3	6.684	0.0307	mg/L				0.46%
n 257.610	273907.1	0.5283	0.00046	mg/L				0.09%
o 202.030	8062.4	0.4874	0.00068	mg/L				0.14%
a 330.237	120214.8	152.1	0.05	mg/L				0.04%
i 231.604	21709.1	0.5048	0.00280	mg/L				0.55%
b 220.353	3099.0	0.5049	0.00102	mg/L				0.20%
b 206.833	1300.4	0.4947	0.00348	mg/L				0.70%
e 196.026	3152.1	1.019	0.0005	mg/L				0.05%
n 189.933	46737.3	4.336	0.0060	mg/L				0.14%
i 334.941	275991.6	0.4921	0.00025	mg/L				0.05%
l 190.800	3546.9	1.956	0.0089	mg/L				0.46%
292.402	126330.5	0.4983	0.00163	mg/L				0.33%
n 206.191	46921.7	0.5445	0.00137	mg/L				0.25%

Mean Data ----------

ID: 525635L Seq. No.: 29 Sample No.: 13 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:47:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4295583.6	1.005	0.0024	mg/L				0.24%
Ag 328.068	-1811.0	-0.0001	0.00023	mg/L				355.96%
Al 308.215	5303.0	0.0397	0.00012	mg/L				0.31%
As 188.979	-31.7	-0.0005	0.00038	mg/L				71.01%
B 249.773	4245.5	0.0292	0.00165	mg/L				5.66%
Ba 233.527	734.4	0.0062	0.00011	mg/L				1.77%
Be 313.107	-5482.0	0.0000	0.00000	mg/L				18.36%
C 5.887	7660028.1	45.00	0.007	mg/L				0.02%
C 6.502	-185.2	0.0001	0.00000	mg/L				5.35%
Co 228.616	-253.9	0.0007	0.00021	mg/L				28.86%
Cr 267.716	-158.0	0.0000	0.00016	mg/L				>999.9%
Cu 324.754	8240.5	0.0245	0.00008	mg/L				0.32%
Fe 238.863	3364.6	0.1462	0.00086	mg/L				0.59%

404.721	-1492.0	0.5129	1.96990	mg/L	384.07%
[illegible].079	23668.1	0.9490	0.00114	mg/L	0.12%
[illegible] 610	3263.3	0.0064	0.00002	mg/L	0.38%
[illegible] .030	0.1	0.0013	0.00008	mg/L	6.46%
[illegible] 330.237	18003.1	21.34	0.073	mg/L	0.34%
[illegible] 231.604	-183.5	0.0005	0.00011	mg/L	22.35%
[illegible] 220.353	19.8	-0.0004	0.00037	mg/L	104.98%
[illegible] 206.833	43.0	0.0028	0.00010	mg/L	3.50%
[illegible] 196.026	-28.1	0.0010	0.00069	mg/L	67.18%
[illegible] 189.933	269.7	0.0134	0.00122	mg/L	9.12%
[illegible] 334.941	-240.0	0.0006	0.00069	mg/L	109.75%
[illegible] 190.800	-22.3	0.0042	0.00011	mg/L	2.67%
292.402	1453.7	0.0002	0.00013	mg/L	53.78%
[illegible] 206.191	927.4	0.0105	0.00008	mg/L	0.78%

[illegible]ean Data ----------

[illegible]D: 527627 Seq. No.: 30 Sample No.: 14 A/S Pos: 22
[illegible]ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:53:01 PM

[illegible]lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4086204.8	0.956	0.0066	mg/L				0.69%
[illegible]g 328.068	-2114.2	-0.0016	0.00022	mg/L				13.20%
[illegible]l 308.215	6421.2	0.0929	0.00721	mg/L				7.76%
[illegible]s 188.979	-36.2	-0.0027	0.00034	mg/L				12.57%
249.773	7704.7	0.0695	0.00098	mg/L				1.42%
[illegible]a 233.527	3056.7	0.0272	0.00021	mg/L				0.76%
[illegible]e 313.107	-5783.9	0.0000	0.00001	mg/L				16.12%
[illegible]a 315.887	31371726.7	184.3	1.22	mg/L				0.66%
[illegible]d 226.502	-190.4	0.0000	0.00004	mg/L				91.29%
[illegible]o 228.616	-263.5	0.0004	0.00004	mg/L				8.67%
[illegible]r 267.716	34.0	0.0014	0.00001	mg/L				0.92%
[illegible]u 324.754	22768.6	0.0823	0.00176	mg/L				2.14%
[illegible]e [illegible].863	15837.0	0.6085	0.00654	mg/L				1.07%
[illegible] /21	-1334.1	2.411	0.3967	mg/L				16.45%
[illegible]g 279.079	110716.6	4.319	0.0472	mg/L				1.09%
[illegible]n 257.610	16674.4	0.0323	0.00041	mg/L				1.27%
[illegible]o 202.030	35.3	0.0034	0.00000	mg/L				0.04%
[illegible]a 330.237	87543.1	110.3	0.90	mg/L				0.82%
[illegible]i 231.604	-142.5	0.0015	0.00029	mg/L				20.13%
[illegible]b 220.353	24.3	0.0004	0.00072	mg/L				192.66%
[illegible]b 206.833	50.9	0.0058	0.00056	mg/L				9.55%
[illegible]e 196.026	-19.2	0.0039	0.00165	mg/L				42.77%
[illegible]n 189.933	1442.3	0.1225	0.00156	mg/L				1.27%
[illegible]i 334.941	-715.7	-0.0002	0.00007	mg/L				32.76%
[illegible]l 190.800	-24.1	0.0032	0.00006	mg/L				1.77%
[illegible] 292.402	1777.8	0.0015	0.00022	mg/L				14.25%
[illegible]n 206.191	3587.8	0.0414	0.00027	mg/L				0.66%

[illegible]lean Data ----------

[illegible]D: 527627D Seq. No.: 31 Sample No.: 15 A/S Pos: 23
[illegible]ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 5:58:30 PM

[illegible]lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
[illegible] 371.030	4348879.0	1.017	0.0011	mg/L				0.11%
[illegible]g 328.068	-2169.2	-0.0019	0.00007	mg/L				3.76%
[illegible]l 308.215	5692.2	0.0582	0.00311	mg/L				5.34%
[illegible]s 188.979	-32.3	-0.0008	0.00116	mg/L				137.87%
B 249.773	7165.4	0.0632	0.00032	mg/L				0.51%
Ba 233.527	2948.9	0.0262	0.00006	mg/L				0.23%
Be 313.107	-5424.1	0.0000	0.00000	mg/L				14.78%
[illegible]a 315.887	30569215.5	179.6	0.76	mg/L				0.42%
[illegible]d 226.502	-180.0	0.0001	0.00004	mg/L				28.47%
[illegible] [illegible]8.616	-252.0	0.0008	0.00010	mg/L				12.28%
[illegible] [illegible].716	72.9	0.0016	0.00004	mg/L				2.67%
Cu [illegible]4.754	21432.4	0.0770	0.00018	mg/L				0.24%
Fe 238.863	15444.1	0.5939	0.00247	mg/L				0.42%
K 404.721	-1121.3	4.969	0.0042	mg/L				0.08%
Mg 279.079	106382.8	4.152	0.0038	mg/L				0.09%
Mn 257.610	16013.9	0.0310	0.00007	mg/L				0.22%

Mo 202.030	30.6	0.0031	0.00032	mg/L	10.20%
Na 330.237	84735.9	106.7	0.25	mg/L	0.23%
Ni 231.604	-139.2	0.0015	0.00025	mg/L	16.38%
Pb .353	27.6	0.0009	0.00013	mg/L	13.57%
Sb 206.833	46.7	0.0042	0.00037	mg/L	8.81%
Se 196.026	-35.5	-0.0014	0.00042	mg/L	31.04%
Sn 189.933	1353.4	0.1142	0.00019	mg/L	0.17%
Ti 334.941	-1189.5	-0.0011	0.00003	mg/L	2.71%
Tl 190.800	-26.9	0.0017	0.00015	mg/L	9.14%
V 292.402	1593.3	0.0008	0.00026	mg/L	32.76%
Zn 206.191	3082.2	0.0355	0.00014	mg/L	0.40%

Mean Data

ID: 527627S Seq. No.: 32 Sample No.: 16 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:03:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4271007.7	0.999	0.0044	mg/L				0.45%
Ag 328.068	7043.8	0.0460	0.00012	mg/L				0.27%
Al 308.215	45673.9	1.959	0.0058	mg/L				0.30%
As 188.979	42.2	0.0348	0.00006	mg/L				0.17%
B 249.773	87644.1	1.000	0.0041	mg/L				0.41%
Ba 233.527	212818.9	1.923	0.0032	mg/L				0.17%
Be 313.107	312867.1	0.0470	0.00003	mg/L				0.07%
Ca 315.887	31410729.1	184.6	0.22	mg/L				0.12%
Cd 226.502	5291.1	0.0473	0.00015	mg/L				0.33%
Co 228.616	14775.9	0.4753	0.00172	mg/L				0.36%
Cr 267.716	25997.1	0.1866	0.00092	mg/L				0.49%
Cu 324.754	84060.9	0.3265	0.00091	mg/L				0.28%
Fe 238.863	41051.6	1.543	0.0038	mg/L				0.25%
K 404.721	740.8	27.35	0.645	mg/L				2.36%
Mg 279.079	155667.7	6.060	0.0093	mg/L				0.15%
Mn 257.610	258705.2	0.4990	0.00105	mg/L				0.21%
Mo .030	7670.7	0.4637	0.00217	mg/L				0.47%
Na .237	104405.3	131.9	0.24	mg/L				0.19%
Ni 231.604	20602.3	0.4793	0.00080	mg/L				0.17%
Pb 220.353	2954.1	0.4811	0.00284	mg/L				0.59%
Sb 206.833	1246.0	0.4735	0.00105	mg/L				0.22%
Se 196.026	2992.1	0.9680	0.00481	mg/L				0.50%
Sn 189.933	44449.4	4.123	0.0027	mg/L				0.07%
Ti 334.941	260965.5	0.4654	0.00073	mg/L				0.16%
Tl 190.800	3395.7	1.873	0.0036	mg/L				0.19%
V 292.402	119257.9	0.4701	0.00021	mg/L				0.04%
Zn 206.191	43823.1	0.5085	0.00082	mg/L				0.16%

Mean Data

ID: 527627A Seq. No.: 33 Sample No.: 17 A/S Pos: 25
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:09:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4112464.0	0.962	0.0035	mg/L				0.36%
Ag 328.068	7140.2	0.0465	0.00015	mg/L				0.33%
Al 308.215	47941.3	2.066	0.0019	mg/L				0.09%
As 188.979	46.0	0.0366	0.00112	mg/L				3.06%
B 249.773	94189.6	1.077	0.0112	mg/L				1.04%
Ba 233.527	217397.9	1.965	0.0048	mg/L				0.24%
Be 313.107	316522.6	0.0475	0.00003	mg/L				0.06%
Ca 315.887	30598911.1	179.8	0.38	mg/L				0.21%
Cd 226.502	5305.3	0.0475	0.00005	mg/L				0.10%
Co 228.616	15080.8	0.4849	0.00202	mg/L				0.42%
Cr 267.716	26668.9	0.1914	0.00075	mg/L				0.39%
Cu 324.754	86839.2	0.3376	0.00057	mg/L				0.17%
Fe 238.863	41707.4	1.567	0.0078	mg/L				0.50%
K .721	622.9	25.94	1.155	mg/L				4.45%
Mg .079	155087.5	6.037	0.0250	mg/L				0.41%
Mn 257.610	262012.7	0.5053	0.00060	mg/L				0.12%
Mo 202.030	7735.8	0.4677	0.00068	mg/L				0.14%
Na 330.237	102711.5	129.7	0.34	mg/L				0.26%
Ni 231.604	21051.9	0.4896	0.00115	mg/L				0.23%

Pb 220.353	2974.5	0.4845	0.00043 mg/L		0.09%
Sb 206.833	1253.1	0.4763	0.00208 mg/L		0.44%
Se [illegible].026	0.6	0.0102	0.00156 mg/L		15.24%
Sr [illegible].933	2074.4	0.1813	0.00251 mg/L		1.39%
Ti [illegible].941	268238.7	0.4783	0.00667 mg/L		1.39%
Tl 190.800	3459.6	1.908	0.0013 mg/L		0.07%
V 292.402	121973.4	0.4810	0.00280 mg/L		0.58%
Zn 206.191	45060.0	0.5229	0.00207 mg/L		0.40%

Mean Data ----------

ID: CCV Seq. No.: 34 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:14:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4252007.0	0.995	0.0062	mg/L				0.63%
Ag 328.068	93933.7	0.4978	0.00105	mg/L				0.21%
Al 308.215	213486.7	9.935	0.0358	mg/L				0.36%
As 188.979	2047.5	0.9933	0.00985	mg/L				0.99%
B 249.773	212283.0	2.452	0.0078	mg/L				0.32%
Ba 233.527	1137694.5	10.28	0.002	mg/L				0.01%
Be 313.107	1684386.5	0.2493	0.00016	mg/L				0.06%
Ca 315.887	4255981.7	25.00	0.012	mg/L				0.05%
Cd 226.502	59345.3	0.5136	0.00091	mg/L				0.18%
Co 228.616	79940.3	2.533	0.0054	mg/L				0.21%
Cr 267.716	70538.7	0.5043	0.00148	mg/L				0.29%
Cu 324.754	316977.1	1.255	0.0015	mg/L				0.12%
Fe 238.863	136702.2	5.088	0.0102	mg/L				0.20%
K 404.721	486.5	24.30	0.384	mg/L				1.58%
Mg 279.079	642303.6	24.90	0.062	mg/L				0.25%
Mn 257.610	390805.8	0.7537	0.00194	mg/L				0.26%
Mo 202.030	40950.4	2.470	0.0043	mg/L				0.18%
Na 330.237	20034.2	23.94	0.033	mg/L				0.14%
Ni 231.604	89622.9	2.069	0.0024	mg/L				0.12%
Pb [illegible].353	3154.6	0.5140	0.00310	mg/L				0.60%
Sb [illegible].833	12352.2	4.819	0.0180	mg/L				0.37%
Se 196.026	1529.4	0.4997	0.00381	mg/L				0.76%
Sn 189.933	57459.6	5.333	0.0021	mg/L				0.04%
Ti 334.941	1360871.6	2.422	0.0057	mg/L				0.24%
Tl 190.800	1880.7	1.045	0.0088	mg/L				0.84%
V 292.402	619105.2	2.464	0.0013	mg/L				0.05%
Zn 206.191	88091.2	1.022	0.0004	mg/L				0.04%

Mean Data ----------

ID: CCB Seq. No.: 35 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:19:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4323880.7	1.012	0.0008	mg/L				0.08%
Ag 328.068	-1768.6	0.0002	0.00081	mg/L				518.28%
Al 308.215	4489.7	0.0011	0.00099	mg/L				92.89%
As 188.979	-29.5	0.0005	0.00021	mg/L				43.89%
B 249.773	4272.5	0.0295	0.00518	mg/L				17.58%
Ba 233.527	215.9	0.0015	0.00064	mg/L				41.52%
Be 313.107	-5170.8	0.0001	0.00003	mg/L				56.22%
Ca 315.887	2786.0	0.0088	0.00204	mg/L				23.20%
Cd 226.502	-180.1	0.0001	0.00004	mg/L				26.34%
Co 228.616	-250.0	0.0008	0.00000	mg/L				0.12%
Cr 267.716	-119.3	0.0003	0.00039	mg/L				139.54%
Cu 324.754	2315.1	0.0009	0.00003	mg/L				3.90%
Fe 238.863	-514.6	0.0024	0.00063	mg/L				26.38%
K 404.721	-1362.9	2.065	0.3133	mg/L				15.17%
*QC exceeds upper limit for K 404.721		Action = Continue						
Mg 279.079	-761.2	0.0031	0.00046	mg/L				14.92%
Mn [illegible]7.610	-71.6	0.0000	0.00005	mg/L				271.88%
Mo [illegible]2.030	6.0	0.0016	0.00052	mg/L				32.11%
Na [illegible]30.237	1355.4	0.0468	0.05786	mg/L				123.62%
Ni 231.604	-196.8	0.0002	0.00018	mg/L				87.81%
Pb 220.353	19.0	-0.0005	0.00008	mg/L				15.44%
Sb 206.833	93.7	0.0226	0.00735	mg/L				32.52%

QC exceeds upper limit for Sb 206.833 Action = Continue

Se 196.026	-28.5	0.0009	0.00107 mg/L	119.22%
Sn 189.933	307.3	0.0169	0.00353 mg/L	20.91%
Ti .941	34.3	0.0011	0.00038 mg/L	33.57%
Tl .800	-25.8	0.0023	0.00145 mg/L	63.26%
V 292.402	1417.1	0.0001	0.00014 mg/L	147.31%
Zn 206.191	45.5	0.0003	0.00005 mg/L	17.58%

Mean Data ----------

ID: 527627L Seq. No.: 36 Sample No.: 18 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:25:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ca 371.030	4271595.2	0.999	0.0112	mg/L				1.13%
Ag 328.068	-1919.6	-0.0006	0.00013	mg/L				19.89%
Al 308.215	4887.0	0.0200	0.00445	mg/L				22.28%
As 188.979	-27.3	0.0016	0.00204	mg/L				131.03%
B 249.773	3718.8	0.0230	0.00049	mg/L				2.14%
Ba 233.527	665.8	0.0056	0.00016	mg/L				2.85%
Be 313.107	-5636.9	0.0000	0.00001	mg/L				129.65%
Ca 315.887	6562281.8	38.55	0.000	mg/L				0.00%
Cd 226.502	-194.9	0.0000	0.00003	mg/L				485.49%
Co 228.616	-263.7	0.0004	0.00012	mg/L				28.21%
Cr 267.716	-107.9	0.0004	0.00011	mg/L				31.85%
Cu 324.754	6251.0	0.0165	0.00043	mg/L				2.58%
Fe 238.863	2663.0	0.1202	0.00077	mg/L				0.64%
K 404.721	-1502.2	0.3902	1.91510	mg/L				490.80%
Mg 279.079	22290.4	0.8956	0.00481	mg/L				0.54%
Mn 257.610	3105.7	0.0061	0.00005	mg/L				0.80%
Mo 202.030	-3.1	0.0011	0.00019	mg/L				18.12%
Na 330.237	16493.8	19.41	0.073	mg/L				0.37%
Ni 231.604	-190.1	0.0004	0.00009	mg/L				25.21%
Pb 220.353	23.2	0.0002	0.00001	mg/L				3.47%
Sb .833	53.9	0.0070	0.00014	mg/L				2.03%
Se .026	-25.9	0.0017	0.00176	mg/L				101.50%
Sn 189.933	258.5	0.0124	0.00030	mg/L				2.41%
Ti 334.941	-536.0	0.0001	0.00015	mg/L				141.98%
Tl 190.800	-26.2	0.0021	0.00148	mg/L				71.72%
V 292.402	1469.0	0.0003	0.00008	mg/L				26.33%
Zn 206.191	696.0	0.0078	0.00016	mg/L				2.04%

Mean Data ----------

ID: PBW-M2680018 Seq. No.: 37 Sample No.: 19 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:30:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Ca 371.030	4453918.2	1.042	0.0034	mg/L				0.33%
Ag 328.068	-1840.4	-0.0002	0.00012	mg/L				54.07%
Al 308.215	4377.9	-0.0042	0.00180	mg/L				42.48%
As 188.979	-28.6	0.0009	0.00268	mg/L				285.24%
B 249.773	2754.2	0.0118	0.00021	mg/L				1.77%
Ba 233.527	65.0	0.0002	0.00001	mg/L				8.75%
Be 313.107	-5382.7	0.0000	0.00000	mg/L				5.75%
Ca 315.887	401.6	-0.0052	0.00264	mg/L				50.57%
Cd 226.502	-183.9	0.0001	0.00001	mg/L				11.47%
Co 228.616	-257.4	0.0006	0.00007	mg/L				10.71%
Cr 267.716	-120.2	0.0003	0.00028	mg/L				102.49%
Cu 324.754	2281.2	0.0007	0.00004	mg/L				4.90%
Fe 238.863	-567.3	0.0004	0.00018	mg/L				40.19%
K 404.721	-1343.9	2.293	0.0763	mg/L				3.33%
Mg 279.079	-876.5	-0.0014	0.00030	mg/L				21.68%
Mn 257.610	-198.7	-0.0002	0.00001	mg/L				5.20%
Mo 202.030	-17.6	0.0002	0.00015	mg/L				75.95%
Na 330.237	1425.4	0.1364	0.04512	mg/L				33.08%
Ni .604	-210.1	-0.0001	0.00018	mg/L				171.15%
Pb 220.353	24.3	0.0004	0.00028	mg/L				74.73%
Sb 206.833	42.0	0.0024	0.00030	mg/L				12.58%
Se 196.026	-24.5	0.0022	0.00216	mg/L				99.01%
Sn 189.933	213.0	0.0081	0.00024	mg/L				3.00%

i 334.941	-473.6	0.0002	0.00004 mg/L		18.28%
l 190.800	-25.5	0.0024	0.00049 mg/L		20.16%
[illegible]02	1227.9	-0.0007	0.00020 mg/L		30.62%
n .191	108.5	0.0010	0.00007 mg/L		6.61%

ean Data ----------

D: LCSW-M2680018 Seq. No.: 38 Sample No.: 20 A/S Pos: 28
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:35:08 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4341859.1	1.016	0.0164	mg/L				1.61%
g 328.068	7654.2	0.0492	0.00118	mg/L				2.41%
l 308.215	46128.5	1.980	0.0480	mg/L				2.42%
s 188.979	49.3	0.0382	0.00104	mg/L				2.74%
249.773	85513.4	0.9755	0.01499	mg/L				1.54%
a 233.527	236165.0	2.134	0.0489	mg/L				2.29%
e 313.107	335553.6	0.0503	0.00001	mg/L				0.03%
a 315.887	349971.7	2.049	0.0477	mg/L				2.33%
d 226.502	5910.3	0.0527	0.00086	mg/L				1.63%
o 228.616	16661.3	0.5348	0.01220	mg/L				2.28%
r 267.716	28294.0	0.2030	0.00423	mg/L				2.09%
u 324.754	68491.4	0.2645	0.00563	mg/L				2.13%
e 238.863	27386.3	1.037	0.0218	mg/L				2.11%
404.721	300.2	22.06	0.816	mg/L				3.70%
g 279.079	51074.5	2.010	0.0474	mg/L				2.36%
n 257.610	266165.5	0.5134	0.00075	mg/L				0.15%
o 202.030	8142.8	0.4922	0.00724	mg/L				1.47%
a 330.237	15826.3	18.56	0.424	mg/L				2.28%
i 231.604	22986.0	0.5342	0.01233	mg/L				2.31%
b 220.353	3285.4	0.5355	0.00868	mg/L				1.62%
b 206.833	1286.8	0.4894	0.00662	mg/L				1.35%
e 196.026	3024.3	0.9783	0.01499	mg/L				1.53%
r .933	973.3	0.0789	0.00179	mg/L				2.27%
.941	278679.2	0.4969	0.00097	mg/L				0.20%
l 190.800	3834.4	2.113	0.0332	mg/L				1.57%
292.402	125567.7	0.4953	0.01140	mg/L				2.30%
Zn 206.191	46159.4	0.5356	0.01222	mg/L				2.28%

Mean Data ----------

ID: 527941 Seq. No.: 39 Sample No.: 21 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:40:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4170868.3	0.976	0.0031	mg/L				0.31%
Ag 328.068	-2012.7	-0.0011	0.00025	mg/L				22.53%
Al 308.215	8438.5	0.1888	0.00194	mg/L				1.03%
As 188.979	-32.2	-0.0008	0.00178	mg/L				219.74%
B 249.773	6533.9	0.0558	0.00213	mg/L				3.82%
Ba 233.527	7843.9	0.0705	0.00022	mg/L				0.32%
Be 313.107	-5648.2	0.0000	0.00001	mg/L				43.84%
Ca 315.887	15976162.1	93.87	0.135	mg/L				0.14%
Cd 226.502	-186.1	0.0001	0.00001	mg/L				9.97%
Co 228.616	-260.7	0.0005	0.00018	mg/L				35.87%
Cr 267.716	159.5	0.0023	0.00020	mg/L				8.82%
Cu 324.754	3187.6	0.0043	0.00004	mg/L				0.98%
Fe 238.863	9079.0	0.3580	0.00113	mg/L				0.32%
K 404.721	-1120.4	4.980	0.9117	mg/L				18.31%
Mg 279.079	653361.9	25.33	0.047	mg/L				0.19%
Mn 257.610	42918.9	0.0829	0.00003	mg/L				0.04%
Mo 202.030	4.3	0.0015	0.00024	mg/L				15.79%
Na 330.237	187741.7	238.5	0.17	mg/L				0.07%
Ni 231.604	-167.6	0.0009	0.00011	mg/L				12.10%
Pb 220.353	30.1	0.0013	0.00055	mg/L				41.38%
[illegible] 6.833	45.1	0.0036	0.00327	mg/L				90.80%
S 6.026	-21.9	0.0030	0.00328	mg/L				109.35%
Sn 189.933	6737.5	0.6150	0.00117	mg/L				0.19%
Ti 334.941	688.8	0.0023	0.00002	mg/L				0.97%
Tl 190.800	-28.4	0.0008	0.00014	mg/L				16.21%
V 292.402	1487.0	0.0004	0.00000	mg/L				0.49%

n 206.191	3426.5	0.0395	0.00000	mg/L			0.00%

ea ata

D 941D Seq. No.: 40 Sample No.: 22 A/S Pos: 30
am Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:45:31 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4149056.5	0.971	0.0010	mg/L				0.11%
g 328.068	-2003.8	-0.0011	0.00035	mg/L				32.54%
l 308.215	8325.6	0.1834	0.00010	mg/L				0.06%
s 188.979	-30.5	0.0000	0.00134	mg/L				>999.9%
249.773	6073.4	0.0505	0.00003	mg/L				0.07%
a 233.527	7756.1	0.0697	0.00014	mg/L				0.21%
e 313.107	-5648.2	0.0000	0.00001	mg/L				101.39%
a 315.887	15806532.2	92.88	0.299	mg/L				0.32%
d 226.502	-182.1	0.0001	0.00004	mg/L				33.31%
o 228.616	-267.0	0.0003	0.00009	mg/L				28.84%
r 267.716	135.7	0.0021	0.00032	mg/L				15.24%
u 324.754	3152.6	0.0042	0.00009	mg/L				2.07%
e 238.863	8912.3	0.3518	0.00243	mg/L				0.69%
404.721	-1062.5	5.676	0.6545	mg/L				11.53%
g 279.079	649349.5	25.17	0.014	mg/L				0.06%
n 257.610	42819.0	0.0827	0.00034	mg/L				0.41%
o 202.030	0.1	0.0013	0.00007	mg/L				5.48%
a 330.237	185733.6	235.9	1.26	mg/L				0.53%
i 231.604	-168.0	0.0009	0.00020	mg/L				23.29%
b 220.353	27.2	0.0009	0.00092	mg/L				107.57%
b 206.833	41.1	0.0020	0.00044	mg/L				21.88%
e 196.026	-24.5	0.0022	0.00054	mg/L				24.71%
n 189.933	6705.9	0.6121	0.00016	mg/L				0.03%
i 334.941	606.5	0.0021	0.00005	mg/L				2.39%
l 190.800	-29.0	0.0005	0.00042	mg/L				75.91%
292.402	1527.3	0.0005	0.00018	mg/L				33.07%
n 191	3322.4	0.0383	0.00014	mg/L				0.37%

ean Data

D: 527941S Seq. No.: 41 Sample No.: 23 A/S Pos: 31
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:50:50 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4250354.8	0.994	0.0022	mg/L				0.22%
g 328.068	7546.1	0.0486	0.00048	mg/L				0.98%
l 308.215	49708.6	2.150	0.0106	mg/L				0.49%
s 188.979	48.3	0.0377	0.00054	mg/L				1.42%
249.773	90253.1	1.031	0.0140	mg/L				1.36%
a 233.527	231946.3	2.096	0.0118	mg/L				0.56%
e 313.107	331695.3	0.0497	0.00026	mg/L				0.52%
a 315.887	15711192.5	92.31	0.121	mg/L				0.13%
d 226.502	5559.8	0.0496	0.00013	mg/L				0.25%
o 228.616	15815.8	0.5081	0.00209	mg/L				0.41%
r 267.716	28055.9	0.2013	0.00117	mg/L				0.58%
u 324.754	69093.4	0.2669	0.00144	mg/L				0.54%
e 238.863	36087.5	1.359	0.0080	mg/L				0.59%
404.721	995.0	30.41	0.591	mg/L				1.94%
g 279.079	685949.4	26.59	0.171	mg/L				0.64%
n 257.610	299721.0	0.5781	0.00452	mg/L				0.78%
o 202.030	8161.0	0.4933	0.00053	mg/L				0.11%
a 330.237	201564.3	256.2	1.57	mg/L				0.61%
i 231.604	21888.1	0.5089	0.00342	mg/L				0.67%
b 220.353	3090.1	0.5034	0.00130	mg/L				0.26%
b 206.833	1306.5	0.4971	0.00315	mg/L				0.63%
e 196.026	3016.7	0.9758	0.00096	mg/L				0.10%
n 189.933	6884.1	0.6286	0.00076	mg/L				0.12%
i .941	278605.3	0.4968	0.00409	mg/L				0.82%
l .800	3542.1	1.953	0.0021	mg/L				0.11%
402	127593.1	0.5034	0.00287	mg/L				0.57%
n 206.191	46081.8	0.5347	0.00357	mg/L				0.67%

lean Data

): 527941L Seq. No.: 42 Sample No.: 24 A/S Pos: 32
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 6:56:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4304647.3	1.007	0.0151	mg/L				1.50%
g 328.068	-1840.6	-0.0002	0.00021	mg/L				98.54%
l 308.215	5267.9	0.0381	0.00159	mg/L				4.18%
s 188.979	-28.2	0.0011	0.00288	mg/L				259.88%
249.773	3547.9	0.0211	0.00081	mg/L				3.86%
a 233.527	1646.9	0.0145	0.00015	mg/L				1.02%
e 313.107	-5522.1	0.0000	0.00001	mg/L				184.35%
a 315.887	3216456.1	18.89	0.022	mg/L				0.12%
d 226.502	-188.9	0.0001	0.00005	mg/L				95.43%
o 228.616	-260.6	0.0005	0.00029	mg/L				56.15%
r 267.716	-98.4	0.0004	0.00013	mg/L				31.57%
u 324.754	2419.8	0.0013	0.00031	mg/L				24.39%
e 238.863	1193.3	0.0657	0.00027	mg/L				0.40%
404.721	-1394.6	1.683	0.7772	mg/L				46.17%
g 279.079	130706.3	5.093	0.0364	mg/L				0.71%
n 257.610	8418.1	0.0164	0.00008	mg/L				0.47%
o 202.030	-12.7	0.0005	0.00011	mg/L				22.52%
a 330.237	33203.3	40.79	0.198	mg/L				0.49%
i 231.604	-195.9	0.0002	0.00020	mg/L				92.09%
b 220.353	21.2	-0.0001	0.00023	mg/L				179.67%
b 206.833	40.7	0.0019	0.00125	mg/L				67.00%
e 196.026	-21.9	0.0030	0.00183	mg/L				60.84%
n 189.933	1853.8	0.1607	0.00317	mg/L				1.97%
i 334.941	-200.0	0.0007	0.00003	mg/L				4.60%
l 190.800	-25.1	0.0026	0.00011	mg/L				4.17%
292.402	1340.3	-0.0002	0.00016	mg/L				74.94%
n 206.191	741.3	0.0084	0.00011	mg/L				1.32%

e? ata
D 943 Seq. No.: 43 Sample No.: 25 A/S Pos: 33
am__ Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 7:01:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4179035.7	0.978	0.0025	mg/L				0.26%
g 328.068	-2007.4	-0.0011	0.00020	mg/L				18.16%
l 308.215	6684.0	0.1054	0.00502	mg/L				4.77%
s 188.979	-33.1	-0.0012	0.00135	mg/L				108.80%
249.773	5495.3	0.0437	0.00017	mg/L				0.39%
a 233.527	6268.1	0.0562	0.00012	mg/L				0.21%
e 313.107	-5668.6	0.0000	0.00000	mg/L				7.88%
a 315.887	13237212.7	77.78	0.021	mg/L				0.03%
d 226.502	-187.6	0.0001	0.00007	mg/L				101.24%
o 228.616	-263.3	0.0004	0.00020	mg/L				47.88%
r 267.716	78.3	0.0017	0.00056	mg/L				33.00%
u 324.754	2998.3	0.0036	0.00017	mg/L				4.66%
e 238.863	2722.4	0.1224	0.00041	mg/L				0.34%
404.721	-1058.6	5.723	0.7357	mg/L				12.86%
g 279.079	490007.2	19.01	0.135	mg/L				0.71%
n 257.610	34394.2	0.0665	0.00064	mg/L				0.97%
o 202.030	17.8	0.0023	0.00010	mg/L				4.23%
a 330.237	184454.8	234.3	2.57	mg/L				1.10%
i 231.604	-179.0	0.0006	0.00003	mg/L				5.29%
b 220.353	20.9	-0.0002	0.00004	mg/L				21.42%
b 206.833	39.5	0.0014	0.00034	mg/L				24.21%
e 196.026	-25.2	0.0020	0.00144	mg/L				73.60%
n 189.933	5530.1	0.5027	0.00094	mg/L				0.19%
i 334.941	-102.7	0.0009	0.00005	mg/L				5.84%
l 190.800	-28.8	0.0007	0.00129	mg/L				193.29%
292.402	1575.1	0.0007	0.00030	mg/L				40.91%
r .191	1817.3	0.0209	0.00011	mg/L				0.53%

ean Data
D: 527945 Seq. No.: 44 Sample No.: 26 A/S Pos: 34
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 7:06:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
[illegible] 030	4055604.6	0.949	0.0069	mg/L				0.73%
[illegible] .068	-1987.9	-0.0010	0.00013	mg/L				13.32%
[illegible] 308.215	5795.0	0.0631	0.00201	mg/L				3.18%
[illegible] 188.979	-27.2	0.0016	0.00130	mg/L				82.31%
[illegible] 249.773	6800.2	0.0589	0.00084	mg/L				1.42%
[illegible] 233.527	8198.0	0.0737	0.00102	mg/L				1.39%
[illegible] 313.107	-5798.9	0.0000	0.00002	mg/L				48.70%
[illegible] 315.887	14369568.5	84.43	0.053	mg/L				0.06%
[illegible] 226.502	-194.3	0.0000	0.00003	mg/L				309.58%
[illegible] 228.616	-267.7	0.0003	0.00026	mg/L				90.94%
[illegible] 267.716	117.8	0.0020	0.00050	mg/L				25.56%
[illegible] 324.754	3869.7	0.0070	0.00060	mg/L				8.57%
[illegible] 238.863	1957.0	0.0940	0.00093	mg/L				0.98%
[illegible] 404.721	-797.8	8.857	1.3703	mg/L				15.47%
[illegible] 279.079	583422.8	22.62	0.199	mg/L				0.88%
[illegible] 257.610	13005.2	0.0252	0.00019	mg/L				0.74%
[illegible] 202.030	7.1	0.0017	0.00021	mg/L				12.68%
[illegible] 330.237	308795.4	393.3	4.35	mg/L				1.11%
[illegible] 231.604	-152.8	0.0012	0.00008	mg/L				6.76%
[illegible] 220.353	27.4	0.0009	0.00021	mg/L				24.10%
[illegible] 206.833	40.2	0.0017	0.00158	mg/L				94.39%
[illegible] 196.026	-16.8	0.0047	0.00098	mg/L				20.97%
[illegible] 189.933	6311.7	0.5754	0.00596	mg/L				1.04%
[illegible] 334.941	-819.5	-0.0004	0.00006	mg/L				13.92%
[illegible] 190.800	-29.5	0.0003	0.00034	mg/L				131.26%
[illegible] 292.402	1471.2	0.0003	0.00012	mg/L				36.82%
[illegible] 206.191	5095.3	0.0589	0.00070	mg/L				1.18%

[illegible]ean Data

[illegible]D: 527950 Seq. No.: 45 Sample No.: 27 A/S Pos: 35

[illegible]ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 7:11:31 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
[illegible] 371.030	4245434.8	0.993	0.0000	mg/L				0.00%
Ag 328.068	-1987.5	-0.0010	0.00035	mg/L				35.67%
Al 308.215	6035.1	0.0745	0.00235	mg/L				3.15%
As 188.979	-32.4	-0.0009	0.00082	mg/L				92.92%
B 249.773	6330.4	0.0535	0.00052	mg/L				0.97%
Ba 233.527	6937.8	0.0623	0.00026	mg/L				0.42%
Be 313.107	-5594.0	0.0000	0.00001	mg/L				176.70%
Ca 315.887	12704907.0	74.65	0.005	mg/L				0.01%
Cd 226.502	-181.9	0.0001	0.00003	mg/L				25.28%
Co 228.616	-263.4	0.0004	0.00026	mg/L				62.92%
Cr 267.716	95.3	0.0018	0.00026	mg/L				14.64%
Cu 324.754	3269.9	0.0047	0.00000	mg/L				0.05%
Fe 238.863	1875.8	0.0910	0.00090	mg/L				0.99%
K 404.721	-843.7	8.306	0.2103	mg/L				2.53%
Mg 279.079	512451.5	19.87	0.059	mg/L				0.30%
Mn 257.610	12671.2	0.0246	0.00004	mg/L				0.15%
Mo 202.030	0.4	0.0013	0.00003	mg/L				2.34%
Na 330.237	249948.8	318.1	0.30	mg/L				0.10%
Ni 231.604	-139.3	0.0015	0.00003	mg/L				1.67%
Pb 220.353	21.5	-0.0001	0.00041	mg/L				517.79%
Sb 206.833	39.5	0.0014	0.00045	mg/L				31.66%
Se 196.026	-20.6	0.0034	0.00130	mg/L				38.11%
Sn 189.933	5660.7	0.5149	0.00072	mg/L				0.14%
Ti 334.941	-368.8	0.0004	0.00006	mg/L				15.85%
Tl 190.800	-26.2	0.0020	0.00060	mg/L				29.16%
V 292.402	1444.3	0.0002	0.00001	mg/L				5.87%
Zn 206.191	2778.7	0.0320	0.00010	mg/L				0.31%

Mean Data

[illegible]D [illegible]CV Seq. No.: 46 Sample No.: 2 A/S Pos: 3

S [illegible]ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 7:16:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD

? 371.030	4315919.1	1.010	0.0014 mg/L	0.14%
ag 328.068	92897.4	0.4924	0.00106 mg/L	0.22%
Al 308.215	210757.9	9.806	0.0356 mg/L	0.36%
As .979	2046.1	0.9926	0.00083 mg/L	0.08%
B 773	209502.5	2.419	0.0211 mg/L	0.87%
Ba 233.527	1137738.1	10.28	0.003 mg/L	0.03%
Be 313.107	1685529.9	0.2495	0.00004 mg/L	0.01%
Ca 315.887	4257321.8	25.01	0.003 mg/L	0.01%
Cd 226.502	58494.5	0.5063	0.00097 mg/L	0.19%
Co 228.616	79391.9	2.515	0.0055 mg/L	0.22%
Cr 267.716	69645.3	0.4980	0.00129 mg/L	0.26%
Cu 324.754	313596.5	1.241	0.0017 mg/L	0.13%
Fe 238.863	134815.6	5.019	0.0084 mg/L	0.17%
K 404.721	572.0	25.32	1.160 mg/L	4.58%
Mg 279.079	640789.6	24.84	0.012 mg/L	0.05%
Mn 257.610	387486.8	0.7473	0.00276 mg/L	0.37%
Mo 202.030	40270.9	2.429	0.0058 mg/L	0.24%
Na 330.237	20168.3	24.11	0.129 mg/L	0.54%
Ni 231.604	88484.2	2.043	0.0041 mg/L	0.20%
Pb 220.353	3116.3	0.5077	0.00077 mg/L	0.15%
Sb 206.833	12299.0	4.798	0.0134 mg/L	0.28%
Se 196.026	1518.6	0.4962	0.00101 mg/L	0.20%
Sn 189.933	56607.2	5.254	0.0184 mg/L	0.35%
Ti 334.941	1366606.3	2.433	0.0012 mg/L	0.05%
Tl 190.800	1859.1	1.033	0.0001 mg/L	0.01%
V 292.402	620401.8	2.469	0.0014 mg/L	0.06%
Zn 206.191	87049.8	1.010	0.0010 mg/L	0.10%

Mean Data ----------

ID: CCB Seq. No.: 47 Sample No.: 4 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 7:21:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
? 371.030	4349062.3	1.017	0.0028	mg/L				0.28%
Ag 328.068	-1710.5	0.0005	0.00001	mg/L				2.36%
Al 308.215	4505.7	0.0018	0.00061	mg/L				33.54%
As 188.979	-29.6	0.0004	0.00097	mg/L				227.75%
B 249.773	4124.6	0.0278	0.00455	mg/L				16.37%
Ba 233.527	219.5	0.0016	0.00061	mg/L				38.96%
Be 313.107	-5098.9	0.0001	0.00003	mg/L				36.77%
Ca 315.887	2697.5	0.0083	0.00278	mg/L				33.58%
Cd 226.502	-187.7	0.0001	0.00008	mg/L				112.51%
Co 228.616	-261.9	0.0005	0.00012	mg/L				26.29%
Cr 267.716	-135.8	0.0002	0.00006	mg/L				35.31%
Cu 324.754	2408.6	0.0012	0.00018	mg/L				14.76%
Fe 238.863	-492.9	0.0032	0.00045	mg/L				14.21%
K 404.721	-1355.8	2.150	0.5259	mg/L				24.46%
QC exceeds upper limit for K 404.721		Action = Continue						
Mg 279.079	-729.1	0.0043	0.00372	mg/L				86.41%
Mn 257.610	-43.6	0.0001	0.00005	mg/L				74.59%
Mo 202.030	3.9	0.0015	0.00069	mg/L				45.82%
Na 330.237	1542.1	0.2857	0.05004	mg/L				17.52%
Ni 231.604	-197.6	0.0002	0.00020	mg/L				110.50%
Pb 220.353	19.0	-0.0005	0.00065	mg/L				131.99%
Sb 206.833	94.0	0.0227	0.00544	mg/L				23.93%
QC exceeds upper limit for Sb 206.833		Action = Continue						
Se 196.026	-22.9	0.0027	0.00214	mg/L				79.51%
Sn 189.933	249.2	0.0115	0.00285	mg/L				24.81%
Ti 334.941	-18.1	0.0010	0.00045	mg/L				44.29%
Tl 190.800	-26.4	0.0019	0.00012	mg/L				5.99%
V 292.402	1403.3	0.0000	0.00003	mg/L				74.90%
Zn 206.191	39.3	0.0002	0.00008	mg/L				37.74%

Mean Data ----------

ID: 527638 Seq. No.: 48 Sample No.: 28 A/S Pos: 36

Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 7:27:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4103338.5	0.960	0.0021	mg/L				0.21%

Ag 328.068	-2293.3	-0.0026	0.00001	mg/L	0.21%
Al 308.215	7029.5	0.1218	0.00280	mg/L	2.30%
As [illegible].979	-30.4	0.0001	0.00116	mg/L	>999.9%
B 773	7902.3	0.0718	0.00052	mg/L	0.73%
Ba [illegible].527	3757.1	0.0335	0.00035	mg/L	1.03%
Be 313.107	-5706.6	0.0000	0.00000	mg/L	16.29%
Ca 315.887	40202652.3	236.2	0.00	mg/L	0.00%
Cd 226.502	-183.3	0.0001	0.00003	mg/L	33.16%
Co 228.616	-265.6	0.0004	0.00007	mg/L	19.98%
Cr 267.716	87.7	0.0018	0.00033	mg/L	18.76%
Cu 324.754	26666.9	0.0979	0.00069	mg/L	0.71%
Fe 238.863	18408.3	0.7038	0.00694	mg/L	0.99%
K 404.721	-1276.0	3.109	0.4137	mg/L	13.31%
Mg 279.079	116431.9	4.541	0.0567	mg/L	1.25%
Mn 257.610	19367.3	0.0375	0.00043	mg/L	1.14%
Mo 202.030	55.4	0.0046	0.00009	mg/L	2.04%
Na 330.237	97975.6	123.6	1.38	mg/L	1.12%
Ni 231.604	-149.4	0.0013	0.00006	mg/L	4.87%
Pb 220.353	24.2	0.0004	0.00042	mg/L	114.02%
Sb 206.833	55.0	0.0075	0.00192	mg/L	25.75%
Se 196.026	-36.7	-0.0017	0.00172	mg/L	100.17%
Sn 189.933	1511.7	0.1289	0.00104	mg/L	0.80%
Ti 334.941	-1187.2	-0.0011	0.00015	mg/L	13.96%
Tl 190.800	-27.1	0.0016	0.00056	mg/L	35.70%
V 292.402	1728.2	0.0013	0.00011	mg/L	8.37%
Zn 206.191	3811.6	0.0440	0.00024	mg/L	0.53%

Mean Data ----------

ID: 527638D Seq. No.: 49 Sample No.: 29 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 7:32:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4341483.4	1.016	0.0032	mg/L				0.32%
Ag [illegible].068	-2358.9	-0.0029	0.00005	mg/L				1.83%
Al [illegible].215	6458.3	0.0946	0.00050	mg/L				0.53%
As 188.979	-33.6	-0.0014	0.00078	mg/L				53.85%
B 249.773	7198.7	0.0636	0.00037	mg/L				0.59%
Ba 233.527	3493.2	0.0312	0.00016	mg/L				0.52%
Be 313.107	-5386.7	0.0000	0.00000	mg/L				6.42%
Ca 315.887	36941194.3	217.1	0.89	mg/L				0.41%
Cd 226.502	-179.8	0.0001	0.00002	mg/L				15.42%
Co 228.616	-254.1	0.0007	0.00026	mg/L				35.79%
Cr 267.716	98.6	0.0018	0.00002	mg/L				0.97%
Cu 324.754	24480.3	0.0892	0.00010	mg/L				0.11%
Fe 238.863	17104.3	0.6555	0.00167	mg/L				0.25%
K 404.721	-1224.6	3.727	1.4137	mg/L				37.93%
Mg 279.079	108541.3	4.235	0.0093	mg/L				0.22%
Mn 257.610	18026.9	0.0349	0.00009	mg/L				0.26%
Mo 202.030	48.9	0.0042	0.00002	mg/L				0.46%
Na 330.237	91180.2	115.0	0.71	mg/L				0.61%
Ni 231.604	-146.9	0.0013	0.00001	mg/L				0.95%
Pb 220.353	28.5	0.0011	0.00038	mg/L				35.46%
Sb 206.833	43.8	0.0031	0.00117	mg/L				37.91%
Se 196.026	-27.9	0.0011	0.00040	mg/L				36.21%
Sn 189.933	1387.5	0.1174	0.00137	mg/L				1.17%
Ti 334.941	-1184.2	-0.0010	0.00002	mg/L				1.75%
Tl 190.800	-22.1	0.0043	0.00056	mg/L				12.92%
V 292.402	1618.2	0.0009	0.00016	mg/L				17.90%
Zn 206.191	3529.2	0.0407	0.00020	mg/L				0.49%

Mean Data ----------

ID: 527638S Seq. No.: 50 Sample No.: 30 A/S Pos: 38
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 7:38:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y [illegible]1.030	4236100.7	0.991	0.0065	mg/L				0.66%
Ag 328.068	7300.9	0.0473	0.00013	mg/L				0.28%
Al 308.215	48433.3	2.090	0.0194	mg/L				0.93%
As 188.979	47.4	0.0373	0.00207	mg/L				5.56%

249.773	91062.7	1.040	0.0141 mg/L		1.36%
a 233.527	224260.7	2.027	0.0130 mg/L		0.64%
e .107	327392.2	0.0491	0.00004 mg/L		0.07%
a .887	38448313.3	225.9	1.57 mg/L		0.70%
d ...502	5530.7	0.0494	0.00036 mg/L		0.72%
o 228.616	15513.0	0.4985	0.00308 mg/L		0.62%
r 267.716	27545.3	0.1976	0.00152 mg/L		0.77%
u 324.754	90496.6	0.3522	0.00261 mg/L		0.74%
e 238.863	43947.3	1.650	0.0110 mg/L		0.66%
404.721	776.0	27.78	0.151 mg/L		0.54%
g 279.079	159393.1	6.204	0.0443 mg/L		0.71%
n 257.610	274530.4	0.5295	0.00081 mg/L		0.15%
o 202.030	8134.5	0.4917	0.00464 mg/L		0.94%
a 330.237	111142.6	140.5	1.49 mg/L		1.06%
i 231.604	21627.6	0.5029	0.00279 mg/L		0.56%
b 220.353	3106.7	0.5061	0.00466 mg/L		0.92%
b 206.833	1293.2	0.4919	0.00221 mg/L		0.45%
e 196.026	3029.4	0.9799	0.00757 mg/L		0.77%
n 189.933	2068.9	0.1808	0.00117 mg/L		0.65%
i 334.941	277596.6	0.4950	0.00020 mg/L		0.04%
l 190.800	3548.9	1.957	0.0204 mg/L		1.04%
292.402	125904.7	0.4966	0.00337 mg/L		0.68%
n 206.191	46160.2	0.5356	0.00407 mg/L		0.76%

Mean Data

ID: 527638A Seq. No.: 51 Sample No.: 31 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 7:43:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4007067.3	0.937	0.0066	mg/L				0.70%
g 328.068	6828.7	0.0449	0.00007	mg/L				0.15%
l 308.215	48110.6	2.075	0.0324	mg/L				1.56%
s ...9.979	40.8	0.0341	0.00014	mg/L				0.40%
3 773	92862.7	1.061	0.0172	mg/L				1.62%
a ...527	216608.3	1.957	0.0257	mg/L				1.31%
e 313.107	314928.9	0.0473	0.00000	mg/L				0.00%
a 315.887	40618390.1	238.7	0.99	mg/L				0.41%
d 226.502	5329.3	0.0477	0.00039	mg/L				0.83%
o 228.616	14870.5	0.4783	0.00574	mg/L				1.20%
r 267.716	26464.4	0.1899	0.00141	mg/L				0.74%
u 324.754	89905.7	0.3498	0.00461	mg/L				1.32%
e 238.863	44033.3	1.654	0.0214	mg/L				1.29%
404.721	576.2	25.37	0.486	mg/L				1.91%
g 279.079	162957.8	6.342	0.0797	mg/L				1.26%
n 257.610	264800.0	0.5107	0.00540	mg/L				1.06%
o 202.030	7793.5	0.4711	0.00325	mg/L				0.69%
a 330.237	115142.8	145.6	2.02	mg/L				1.39%
i 231.604	20785.2	0.4835	0.00686	mg/L				1.42%
b 220.353	3003.8	0.4892	0.00430	mg/L				0.88%
b 206.833	1238.7	0.4706	0.00484	mg/L				1.03%
e 196.026	-1.1	0.0097	0.00019	mg/L				1.98%
n 189.933	2119.8	0.1855	0.00067	mg/L				0.36%
i 334.941	264163.9	0.4711	0.00046	mg/L				0.10%
l 190.800	3491.3	1.925	0.0154	mg/L				0.80%
292.402	121051.4	0.4773	0.00524	mg/L				1.10%
n 206.191	44812.9	0.5200	0.00714	mg/L				1.37%

Mean Data

ID: 527638L Seq. No.: 52 Sample No.: 32 A/S Pos: 40
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 7:49:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4334443.7	1.014	0.0056	mg/L				0.55%
A 9.068	-1941.5	-0.0007	0.00062	mg/L				83.06%
A 8.215	4959.4	0.0234	0.00314	mg/L				13.42%
As 188.979	-32.8	-0.0011	0.00059	mg/L				53.85%
B 249.773	4128.4	0.0278	0.00169	mg/L				6.07%
Ba 233.527	814.1	0.0069	0.00010	mg/L				1.50%
Be 313.107	-5507.7	0.0000	0.00003	mg/L				374.12%

Ca 315.887	8145230.6	47.86	0.002	mg/L	0.00%
Cd 226.502	-191.8	0.0000	0.00004	mg/L	137.66%
Cr [illegible].616	-255.7	0.0007	0.00006	mg/L	9.11%
C[illegible].716	-84.9	0.0005	0.00028	mg/L	53.69%
Cu [illegible].754	6790.2	0.0187	0.00018	mg/L	0.97%
Fe 238.863	2970.4	0.1316	0.00068	mg/L	0.52%
K 404.721	-1397.4	1.650	0.4090	mg/L	24.78%
Mg 279.079	22431.2	0.9011	0.01688	mg/L	1.87%
Mn 257.610	3464.1	0.0068	0.00010	mg/L	1.42%
Mo 202.030	3.3	0.0015	0.00029	mg/L	19.51%
Na 330.237	17677.7	20.93	0.336	mg/L	1.60%
Ni 231.604	-191.1	0.0003	0.00002	mg/L	4.90%
Pb 220.353	22.2	0.0000	0.00035	mg/L	988.38%
Sb 206.833	43.8	0.0031	0.00018	mg/L	5.87%
Se 196.026	-27.6	0.0012	0.00070	mg/L	58.66%
Sn 189.933	229.7	0.0097	0.00035	mg/L	3.65%
Ti 334.941	-642.9	-0.0001	0.00011	mg/L	130.07%
Tl 190.800	-22.6	0.0040	0.00141	mg/L	35.04%
V 292.402	1406.5	0.0001	0.00015	mg/L	271.31%
Zn 206.191	847.3	0.0096	0.00007	mg/L	0.69%

Mean Data ----------

ID: 524285 Seq. No.: 53 Sample No.: 33 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 7:54:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4229212.9	0.989	0.0088	mg/L				0.89%
Ag 328.068	-2164.2	-0.0019	0.00019	mg/L				10.02%
Al 308.215	579975.4	27.36	0.140	mg/L				0.51%
As 188.979	-19.6	0.0052	0.00246	mg/L				46.84%
B 249.773	9179.9	0.0866	0.00031	mg/L				0.36%
Ba 233.527	13761.1	0.1240	0.00021	mg/L				0.17%
Be [illegible].107	869.6	0.0009	0.00000	mg/L				0.37%
C[illegible].887	12785323.1	75.12	0.077	mg/L				0.10%
Cd [illegible].502	1.8	0.0017	0.00005	mg/L				2.92%
Co 228.616	232.5	0.0161	0.00001	mg/L				0.05%
Cr 267.716	2238.0	0.0171	0.00002	mg/L				0.09%
Cu 324.754	6600.6	0.0179	0.00015	mg/L				0.81%
Fe 238.863	557671.3	20.69	0.142	mg/L				0.69%
K 404.721	-1387.4	4.583	0.8704	mg/L				18.99%
Mg 279.079	697585.9	27.04	0.186	mg/L				0.69%
Mn 257.610	1522380.0	2.935	0.0173	mg/L				0.59%
Mo 202.030	47.6	0.0041	0.00032	mg/L				7.72%
Na 330.237	46958.0	58.38	0.210	mg/L				0.36%
Ni 231.604	857.1	0.0245	0.00006	mg/L				0.23%
Pb 220.353	106.3	0.0138	0.00033	mg/L				2.39%
Sb 206.833	39.2	0.0013	0.00009	mg/L				7.10%
Se 196.026	-24.7	0.0021	0.00193	mg/L				91.29%
Sn 189.933	7001.1	0.6395	0.00515	mg/L				0.80%
Ti 334.941	63111.8	0.1134	0.00052	mg/L				0.46%
Tl 190.800	-99.6	-0.0381	0.00252	mg/L				6.60%
V 292.402	6494.4	0.0203	0.00003	mg/L				0.16%
Zn 206.191	4177.1	0.0483	0.00047	mg/L				0.98%

Mean Data ----------

ID: 524299 L Seq. No.: 54 Sample No.: 34 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 7:59:30 PM

CK 2/12/02

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4347505.4	1.017	0.0033	mg/L				0.32%
Ag 328.068	-1931.2	-0.0007	0.00015	mg/L				21.06%
Al 308.215	5378.1	0.0433	0.00365	mg/L				8.43%
As 188.979	-20.8	0.0047	0.00079	mg/L				16.97%
B [illegible].773	41876.5	0.4674	0.00722	mg/L				1.54%
Ba [illegible].527	3908.6	0.0349	0.00002	mg/L				0.05%
Be [illegible]13.107	-5618.8	0.0000	0.00001	mg/L				80.01%
Ca 315.887	1975817.6	11.60	0.004	mg/L				0.04%
Cd 226.502	-178.1	0.0002	0.00005	mg/L				31.02%
Co 228.616	-113.2	0.0052	0.00000	mg/L				0.04%

r 267.716	971.4	0.0081	0.00028 mg/L		3.43%
u 324.754	4670.2	0.0102	0.00007 mg/L		0.64%
e .863	12924.8	0.5005	0.00352 mg/L		0.70%
721	1822.0	40.35	0.533 mg/L		1.32%
g 279.079	175791.6	6.839	0.0621 mg/L		0.91%
n 257.610	97137.8	0.1874	0.00166 mg/L		0.88%
o 202.030	8.8	0.0018	0.00009 mg/L		5.11%
a 330.237	57751.6	72.19	0.570 mg/L		0.79%
i 231.604	735.7	0.0217	0.00023 mg/L		1.06%
b 220.353	37.1	0.0025	0.00079 mg/L		31.89%
b 206.833	38.7	0.0011	0.00017 mg/L		14.95%
e 196.026	-19.9	0.0036	0.00140 mg/L		38.52%
n 189.933	2470.9	0.2181	0.00084 mg/L		0.39%
i 334.941	1493.9	0.0037	0.00007 mg/L		1.91%
l 190.800	-29.2	0.0005	0.00099 mg/L		219.42%
292.402	1866.5	0.0019	0.00012 mg/L		6.55%
n 206.191	3263.3	0.0376	0.00011 mg/L		0.30%

lean Data ----------

:D: ~~524299L~~ 524299
ample Qty: 1.0000 mL
CK 2/12/02

Seq. No.: 55 Sample No.: 35 A/S Pos: 43
Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:04:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4208069.0	0.984	0.0087	mg/L				0.89%
g 328.068	-1957.3	-0.0008	0.00004	mg/L				5.20%
l 308.215	8040.5	0.1698	0.00254	mg/L				1.49%
s 188.979	11.1	0.0199	0.00077	mg/L				3.88%
249.773	202380.5	2.336	0.0196	mg/L				0.84%
a 233.527	18978.3	0.1711	0.00045	mg/L				0.26%
e 313.107	-5757.5	0.0000	0.00001	mg/L				21.02%
a 315.887	9753139.4	57.30	0.096	mg/L				0.17%
d 226.502	-131.0	0.0006	0.00002	mg/L				3.62%
o 9.616	442.8	0.0227	0.00021	mg/L				0.91%
.716	5082.3	0.0374	0.00008	mg/L				0.21%
u ..4.754	15321.8	0.0527	0.00007	mg/L				0.13%
e 238.863	66063.4	2.470	0.0063	mg/L				0.26%
404.721	17646.8	230.6	1.67	mg/L				0.73%
g 279.079	871264.9	33.77	0.084	mg/L				0.25%
n 257.610	472197.0	0.9106	0.00015	mg/L				0.02%
o 202.030	104.4	0.0076	0.00004	mg/L				0.55%
a 330.237	337066.2	429.5	1.49	mg/L				0.35%
i 231.604	4349.0	0.1049	0.00069	mg/L				0.66%
b 220.353	93.0	0.0116	0.00021	mg/L				1.78%
b 206.833	43.5	0.0030	0.00259	mg/L				87.28%
e 196.026	-15.6	0.0050	0.00338	mg/L				67.26%
n 189.933	8109.6	0.7426	0.00654	mg/L				0.88%
i 334.941	9555.7	0.0181	0.00003	mg/L				0.16%
l 190.800	-51.3	-0.0117	0.00194	mg/L				16.66%
292.402	3835.6	0.0097	0.00010	mg/L				0.98%
n 206.191	15656.8	0.1815	0.00124	mg/L				0.68%

Mean Data ----------

ID: CCV
Sample Qty: 1.0000 g

Seq. No.: 56 Sample No.: 2 A/S Pos: 3
Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:09:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4283767.2	1.002	0.0103	mg/L				1.02%
Ag 328.068	94706.0	0.5018	0.00559	mg/L				1.11%
Al 308.215	215517.7	10.03	0.116	mg/L				1.16%
As 188.979	2054.4	0.9966	0.01078	mg/L				1.08%
B 249.773	214423.4	2.477	0.0414	mg/L				1.67%
Ba 233.527	1139633.4	10.30	0.008	mg/L				0.08%
Be 313.107	1688971.8	0.2500	0.00003	mg/L				0.01%
C 5.887	4259403.9	25.02	0.009	mg/L				0.04%
C .6.502	60091.0	0.5201	0.00439	mg/L				0.84%
Co 228.616	80450.0	2.549	0.0320	mg/L				1.25%
Cr 267.716	70994.6	0.5076	0.00489	mg/L				0.96%
Cu 324.754	321446.1	1.272	0.0163	mg/L				1.28%
Fe 238.863	137374.8	5.113	0.0539	mg/L				1.05%

K 404.721	523.5	24.74	0.790	mg/L	3.19%
Mg 279.079	647889.3	25.12	0.244	mg/L	0.97%
Mn 257.610	392441.5	0.7568	0.00914	mg/L	1.21%
Mo 202.030	41432.3	2.499	0.0258	mg/L	1.03%
Na 330.237	20615.5	24.68	0.290	mg/L	1.18%
Ni 231.604	90488.7	2.089	0.0223	mg/L	1.07%
Pb 220.353	3189.7	0.5197	0.00592	mg/L	1.14%
Sb 206.833	12382.7	4.831	0.0652	mg/L	1.35%
Se 196.026	1545.5	0.5048	0.00502	mg/L	0.99%
Sn 189.933	57957.1	5.379	0.0552	mg/L	1.03%
Ti 334.941	1356152.2	2.414	0.0043	mg/L	0.18%
Tl 190.800	1897.4	1.054	0.0088	mg/L	0.84%
V 292.402	617531.2	2.458	0.0029	mg/L	0.12%
Zn 206.191	88970.8	1.033	0.0097	mg/L	0.94%

Mean Data ----------

ID: CCB Seq. No.: 57 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:14:53 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4377769.2	1.024	0.0112	mg/L				1.09%
Ag 328.068	-1753.7	0.0002	0.00000	mg/L				0.48%
Al 308.215	4471.4	0.0002	0.00169	mg/L				848.89%
As 188.979	-27.3	0.0015	0.00173	mg/L				111.76%
B 249.773	4410.9	0.0311	0.00527	mg/L				16.94%
Ba 233.527	231.0	0.0017	0.00061	mg/L				36.35%
Be 313.107	-5103.6	0.0001	0.00002	mg/L				32.17%
Ca 315.887	2733.5	0.0085	0.00173	mg/L				20.38%
Cd 226.502	-185.7	0.0001	0.00001	mg/L				15.94%
Co 228.616	-253.5	0.0007	0.00020	mg/L				27.72%
Cr 267.716	-119.8	0.0003	0.00000	mg/L				0.35%
Cu 324.754	2471.6	0.0015	0.00026	mg/L				17.65%
Fe 238.863	-497.7	0.0030	0.00038	mg/L				12.72%
K 721	-1446.0	1.066	1.1097	mg/L				104.13%
Mg .079	-684.9	0.0060	0.00271	mg/L				44.98%
Mn 257.610	30.7	0.0002	0.00007	mg/L				34.68%
Mo 202.030	6.1	0.0016	0.00038	mg/L				23.08%
Na 330.237	1417.8	0.1267	0.16687	mg/L				131.74%
Ni 231.604	-193.1	0.0003	0.00030	mg/L				104.70%
Pb 220.353	21.3	-0.0001	0.00061	mg/L				547.62%
Sb 206.833	94.6	0.0230	0.00710	mg/L				30.90%
*QC exceeds upper limit for Sb 206.833		Action = Continue						
Se 196.026	-22.3	0.0029	0.00159	mg/L				55.21%
Sn 189.933	224.6	0.0092	0.00262	mg/L				28.41%
Ti 334.941	25.5	0.0011	0.00043	mg/L				39.28%
Tl 190.800	-24.9	0.0028	0.00032	mg/L				11.80%
V 292.402	1380.4	0.0000	0.00003	mg/L				70.58%
Zn 206.191	44.9	0.0003	0.00011	mg/L				39.12%

Mean Data ----------

ID: CRI Seq. No.: 58 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:19:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4306177.1	1.007	0.0117	mg/L				1.16%
Ag 328.068	1836.9	0.0189	0.00012	mg/L				0.63%
Al 308.215	4525.5	0.0028	0.00150	mg/L				54.16%
As 188.979	11.5	0.0201	0.00057	mg/L				2.83%
B 249.773	3059.6	0.0154	0.00136	mg/L				8.83%
Ba 233.527	77.9	0.0003	0.00000	mg/L				1.15%
Be 313.107	62689.9	0.0101	0.00014	mg/L				1.40%
Ca 315.887	1332.0	0.0002	0.00113	mg/L				466.71%
Cd 226.502	1025.0	0.0105	0.00022	mg/L				2.09%
Cr 8.616	3208.9	0.1101	0.00141	mg/L				1.28%
Co .716	2804.8	0.0211	0.00087	mg/L				4.11%
Cu 324.754	14825.4	0.0507	0.00074	mg/L				1.46%
Fe 238.863	-364.5	0.0080	0.00023	mg/L				2.93%
K 404.721	-1490.2	0.5343	0.02445	mg/L				4.58%
Mg 279.079	-873.1	-0.0013	0.00002	mg/L				1.66%

n 257.610	16497.1	0.0320	0.00050	mg/L	1.58%
o 202.030	-16.3	0.0003	0.00012	mg/L	43.48%
a .237	1383.0	0.0821	0.06573	mg/L	80.04%
i .604	3574.7	0.0871	0.00108	mg/L	1.24%
b .353	62.9	0.0067	0.00036	mg/L	5.39%
b 206.833	365.1	0.1288	0.00182	mg/L	1.41%
e 196.026	2.4	0.0108	0.00288	mg/L	26.73%
n 189.933	158.9	0.0031	0.00093	mg/L	29.99%
i 334.941	-462.1	0.0002	0.00005	mg/L	19.97%
l 190.800	14.1	0.0241	0.00026	mg/L	1.07%
292.402	26784.3	0.1013	0.00170	mg/L	1.68%
n 206.191	3657.7	0.0422	0.00051	mg/L	1.22%

Mean Data

ID: ICSA Seq. No.: 59 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:25:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
371.030	3854798.6	0.902	0.0007	mg/L				0.08%
g 328.068	-4119.0	-0.0121	0.00034	mg/L				2.81%
l 308.215	10486652.6	498.3	0.02	mg/L				0.00%
s 188.979	-95.6	0.0037	0.00323	mg/L				86.36%
249.773	15410.1	0.1592	0.00245	mg/L				1.54%
a 233.527	-851.5	-0.0081	0.00018	mg/L				2.25%
e 313.107	-6453.5	-0.0001	0.00000	mg/L				3.27%
a 315.887	79211508.8	465.5	0.44	mg/L				0.09%
d 226.502	1620.3	0.0046	0.00005	mg/L				1.15%
o 228.616	-302.9	-0.0008	0.00011	mg/L				13.17%
r 267.716	729.9	0.0063	0.00003	mg/L				0.51%
u 324.754	-686.8	0.0003	0.00010	mg/L				31.67%
e 238.863	5029706.1	186.5	0.33	mg/L				0.18%
404.721	-3051.3	7.114	0.1103	mg/L				1.55%
g 279.079	13015780.3	504.0	0.37	mg/L				0.07%
.610	-4294.1	0.0080	0.00001	mg/L				0.11%
.030	25.1	0.0028	0.00017	mg/L				6.26%
a 330.237	1181.6	-0.0208	0.03425	mg/L				164.46%
i 231.604	-206.6	0.0000	0.00030	mg/L				>999.9%
b 220.353	-318.0	-0.0189	0.00016	mg/L				0.85%
b 206.833	39.0	0.0012	0.00018	mg/L				15.40%
e 196.026	16.9	0.0063	0.00323	mg/L				51.22%
n 189.933	17164.8	-0.3488	0.00025	mg/L				0.07%
i 334.941	-4021.7	-0.0061	0.00009	mg/L				1.51%
l 190.800	-65.9	-0.0196	0.00181	mg/L				9.21%
292.402	10534.7	0.0365	0.00021	mg/L				0.59%
n 206.191	1753.9	0.0065	0.00019	mg/L				2.92%

Mean Data

ID: ICSAB Seq. No.: 60 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:31:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3778709.8	0.884	0.0043	mg/L				0.48%
Ag 328.068	211533.5	1.109	0.0124	mg/L				1.12%
Al 308.215	10712868.5	509.0	4.00	mg/L				0.79%
As 188.979	-108.3	-0.0017	0.00287	mg/L				167.21%
B 249.773	15773.2	0.1634	0.00209	mg/L				1.28%
Ba 233.527	59390.6	0.5364	0.00585	mg/L				1.09%
Be 313.107	3457829.9	0.5109	0.00027	mg/L				0.05%
Ca 315.887	80959144.4	475.7	4.06	mg/L				0.85%
Cd 226.502	115166.8	0.9840	0.00864	mg/L				0.88%
Co 228.616	14366.2	0.4623	0.00349	mg/L				0.75%
Cr 267.716	70277.9	0.5025	0.00534	mg/L				1.06%
Cu 324.754	136735.3	0.5480	0.00579	mg/L				1.06%
Fe .9.863	5114741.3	189.6	0.21	mg/L				0.11%
K 721	-3312.5	4.402	0.4196	mg/L				9.53%
Mg .79.079	13301734.5	515.1	4.55	mg/L				0.88%
Mn 257.610	250094.7	0.4987	0.00615	mg/L				1.23%
Mo 202.030	22.9	0.0026	0.00026	mg/L				9.72%
Na 330.237	1491.0	0.3748	0.00412	mg/L				1.10%

i 231.604	41281.6	0.9556	0.01025	mg/L	1.07%
b 220.353	5796.4	0.9852	0.00610	mg/L	0.62%
b .833	36.2	0.0001	0.00136	mg/L	>999.9%
e .026	19.0	0.0068	0.00161	mg/L	23.79%
n .933	17481.4	-0.3618	0.01019	mg/L	2.82%
i 334.941	-3961.0	-0.0060	0.00012	mg/L	2.00%
l 190.800	-73.5	-0.0238	0.00307	mg/L	12.92%
292.402	135816.7	0.5362	0.00647	mg/L	1.21%
n 206.191	84557.5	0.9674	0.00897	mg/L	0.93%

lean Data
D: CCV Seq. No.: 61 Sample No.: 2 A/S Pos: 3
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:37:24 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4312508.4	1.009	0.0113	mg/L				1.12%
g 328.068	92856.7	0.4922	0.00792	mg/L				1.61%
l 308.215	212865.2	9.906	0.1576	mg/L				1.59%
s 188.979	2017.5	0.9789	0.01115	mg/L				1.14%
249.773	208780.0	2.411	0.0539	mg/L				2.24%
a 233.527	1138608.1	10.29	0.007	mg/L				0.06%
e 313.107	1688435.4	0.2499	0.00006	mg/L				0.02%
a 315.887	4268758.5	25.08	0.017	mg/L				0.07%
d 226.502	59049.5	0.5111	0.00854	mg/L				1.67%
o 228.616	78834.3	2.498	0.0413	mg/L				1.65%
r 267.716	69413.7	0.4963	0.00747	mg/L				1.50%
u 324.754	314853.2	1.246	0.0250	mg/L				2.00%
e 238.863	135712.6	5.052	0.0721	mg/L				1.43%
404.721	559.2	25.17	0.526	mg/L				2.09%
g 279.079	638155.7	24.74	0.374	mg/L				1.51%
n 257.610	384781.5	0.7421	0.01198	mg/L				1.61%
o 202.030	40708.9	2.456	0.0456	mg/L				1.86%
a .30.237	19829.1	23.68	0.499	mg/L				2.11%
i .604	88924.2	2.053	0.0352	mg/L				1.71%
b .353	3160.7	0.5150	0.00557	mg/L				1.08%
b 206.833	12186.3	4.754	0.0610	mg/L				1.28%
e 196.026	1530.5	0.5000	0.00124	mg/L				0.25%
n 189.933	56075.7	5.204	0.1079	mg/L				2.07%
i 334.941	1352465.6	2.408	0.0014	mg/L				0.06%
l 190.800	1881.8	1.045	0.0076	mg/L				0.73%
292.402	615910.3	2.451	0.0008	mg/L				0.03%
n 206.191	87437.1	1.015	0.0172	mg/L				1.70%

lean Data
D: CCB Seq. No.: 62 Sample No.: 4 A/S Pos: 1
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:42:29 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4355601.6	1.019	0.0072	mg/L				0.71%
g 328.068	-1689.7	0.0006	0.00030	mg/L				53.06%
l 308.215	4582.8	0.0055	0.00090	mg/L				16.38%
s 188.979	-28.7	0.0009	0.00050	mg/L				56.73%
249.773	4285.2	0.0296	0.00425	mg/L				14.35%
a 233.527	190.8	0.0013	0.00030	mg/L				22.99%
e 313.107	-5161.0	0.0001	0.00002	mg/L				30.48%
a 315.887	2715.2	0.0084	0.00159	mg/L				19.02%
d 226.502	-189.5	0.0001	0.00006	mg/L				115.26%
o 228.616	-245.4	0.0010	0.00034	mg/L				33.98%
r 267.716	-108.2	0.0004	0.00026	mg/L				71.84%
u 324.754	2372.3	0.0011	0.00035	mg/L				32.45%
e 238.863	-372.9	0.0076	0.00084	mg/L				10.93%
404.721	-1394.3	1.687	0.5345	mg/L				31.68%
g 279.079	-691.2	0.0058	0.00091	mg/L				15.82%
n .7.610	-85.8	0.0000	0.00004	mg/L				445.78%
.030	3.9	0.0015	0.00057	mg/L				37.74%
a .30.237	1362.6	0.0560	0.00137	mg/L				2.44%
i 231.604	-199.2	0.0001	0.00002	mg/L				14.70%
b 220.353	20.4	-0.0003	0.00029	mg/L				108.47%
b 206.833	97.6	0.0241	0.00648	mg/L				26.86%

QC exceeds upper limit for Sb 206.833 Action = Continue

Se 196.026	-25.1	0.0020	0.00073	mg/L	37.18%
Sn 189.933	228.6	0.0096	0.00235	mg/L	24.56%
Ti 334.941	-38.1	0.0010	0.00032	mg/L	32.05%
Tl 190.800	-25.8	0.0023	0.00059	mg/L	26.16%
V 292.402	1377.2	-0.0001	0.00003	mg/L	43.72%
Zn 206.191	52.3	0.0004	0.00009	mg/L	24.97%

Mean Data

ID: PBS-M2530071 Seq. No.: 63 Sample No.: 36 A/S Pos: 44
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:47:31 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Al 371.030	4388236.2	1.027	0.0067	mg/L				0.65%
Ag 328.068	-1809.0	-0.0001	0.00019	mg/L				355.48%
Al 308.215	4686.0	0.0104	0.00506	mg/L				48.66%
As 188.979	-33.9	-0.0016	0.00182	mg/L				111.48%
B 249.773	3510.5	0.0206	0.00025	mg/L				1.23%
Ba 233.527	84.0	0.0003	0.00005	mg/L				14.13%
Be 313.107	-5303.1	0.0000	0.00000	mg/L				4.51%
Ca 315.887	2587.5	0.0076	0.00039	mg/L				5.06%
Cd 226.502	-182.2	0.0001	0.00002	mg/L				14.81%
Co 228.616	-269.4	0.0002	0.00020	mg/L				84.11%
Cr 267.716	32.4	0.0014	0.00021	mg/L				15.66%
Cu 324.754	2493.4	0.0016	0.00011	mg/L				7.28%
Fe 238.863	-275.2	0.0113	0.00036	mg/L				3.17%
K 404.721	-1400.1	1.617	0.2576	mg/L				15.93%
Mg 279.079	-654.3	0.0072	0.00020	mg/L				2.79%
Mn 257.610	-66.4	0.0000	0.00002	mg/L				62.94%
Mo 202.030	-11.6	0.0006	0.00006	mg/L				11.02%
Na 330.237	1702.8	0.4913	0.08548	mg/L				17.40%
Ni 231.604	-203.7	0.0000	0.00011	mg/L				261.03%
Pb 220.353	17.7	-0.0007	0.00054	mg/L				75.48%
Sb 206.833	57.1	0.0083	0.00118	mg/L				14.28%
Se 196.026	-23.4	0.0025	0.00413	mg/L				164.42%
Sn 189.933	465.9	0.0317	0.00002	mg/L				0.05%
Ti 334.941	-316.6	0.0005	0.00005	mg/L				10.49%
Tl 190.800	-30.7	-0.0004	0.00110	mg/L				293.28%
V 292.402	1306.7	-0.0003	0.00016	mg/L				45.44%
Zn 206.191	240.5	0.0026	0.00002	mg/L				0.79%

Mean Data

ID: LCSS-M2530071 Seq. No.: 64 Sample No.: 37 A/S Pos: 45
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:52:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Al 371.030	4306298.0	1.007	0.0020	mg/L				0.20%
Ag 328.068	147053.7	0.7740	0.00424	mg/L				0.55%
Al 308.215	1606443.9	76.15	0.276	mg/L				0.36%
As 188.979	3664.5	1.788	0.0086	mg/L				0.48%
B 249.773	52083.8	0.5862	0.00685	mg/L				1.17%
Ba 233.527	203688.1	1.841	0.0039	mg/L				0.21%
Be 313.107	2984621.1	0.4411	0.00025	mg/L				0.06%
Ca 315.887	17093155.6	100.4	0.05	mg/L				0.05%
Cd 226.502	74674.4	0.6391	0.00261	mg/L				0.41%
Co 228.616	66916.6	2.122	0.0104	mg/L				0.49%
Cr 267.716	191501.6	1.367	0.0045	mg/L				0.33%
Cu 324.754	233860.0	0.9234	0.00606	mg/L				0.66%
Fe 238.863	3082836.7	114.3	0.42	mg/L				0.36%
K 404.721	-643.0	26.25	1.087	mg/L				4.14%
Mg 279.079	679226.1	26.33	0.054	mg/L				0.20%
Mn 257.610	2016351.9	3.888	0.0135	mg/L				0.35%
Mo 202.030	7546.0	0.4562	0.00169	mg/L				0.37%
Na 330.237	8813.0	9.587	0.2017	mg/L				2.10%
Ni 231.604	32238.1	0.7473	0.00281	mg/L				0.38%
Pb 220.353	7161.0	1.178	0.0046	mg/L				0.39%
Sb 206.833	567.7	0.2081	0.00305	mg/L				1.47%
Se 196.026	4392.2	1.416	0.0055	mg/L				0.39%
Sn 189.933	14978.3	1.382	0.0037	mg/L				0.27%

i 334.941	903496.6	1.609	0.0064	mg/L	0.40%
l 190.800	1384.7	0.7735	0.00231	mg/L	0.30%
292.402	409869.6	1.629	0.0061	mg/L	0.37%
n .191	223869.0	2.599	0.0093	mg/L	0.36%

lean Data

D: 526785 1/2 Seq. No.: 65 Sample No.: 38 A/S Pos: 46
ample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 8:58:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4395009.5	1.028	0.0034	mg/L				0.33%
g 328.068	-2462.9	-0.0035	0.00033	mg/L				9.70%
l 308.215	1448402.2	68.64	0.123	mg/L				0.18%
s 188.979	-26.4	0.0134	0.00114	mg/L				8.53%
249.773	15171.8	0.1564	0.00336	mg/L				2.15%
a 233.527	109454.0	0.9889	0.00089	mg/L				0.09%
e 313.107	-383.6	0.0008	0.00003	mg/L				4.12%
a 315.887	14315420.2	84.11	0.018	mg/L				0.02%
d 226.502	429.2	0.0054	0.00002	mg/L				0.31%
o 228.616	546.5	0.0260	0.00007	mg/L				0.26%
r 267.716	6110.5	0.0447	0.00036	mg/L				0.80%
u 324.754	15069.8	0.0517	0.00021	mg/L				0.41%
e 238.863	1639577.8	60.79	0.196	mg/L				0.32%
404.721	-484.2	20.89	0.010	mg/L				0.05%
g 279.079	826651.6	32.04	0.081	mg/L				0.25%
n 257.610	811931.4	1.566	0.0064	mg/L				0.41%
o 202.030	9.9	0.0019	0.00026	mg/L				14.01%
a 330.237	3642.5	2.973	0.0255	mg/L				0.86%
i 231.604	1429.0	0.0377	0.00002	mg/L				0.05%
b 220.353	273.3	0.0468	0.00024	mg/L				0.51%
b 206.833	37.7	0.0007	0.00195	mg/L				281.49%
e 196.026	-19.0	0.0039	0.00203	mg/L				51.51%
n 189.933	7763.7	0.7105	0.00320	mg/L				0.45%
i .941	1080631.8	1.924	0.0087	mg/L				0.45%
l .800	-64.8	-0.0191	0.00016	mg/L				0.85%
292.402	31471.1	0.1200	0.00037	mg/L				0.31%
n 206.191	19523.5	0.2264	0.00095	mg/L				0.42%

lean Data

D: 526786 1/2 Seq. No.: 66 Sample No.: 39 A/S Pos: 47
ample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:03:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4357088.7	1.019	0.0026	mg/L				0.25%
g 328.068	-2556.9	-0.0039	0.00015	mg/L				3.92%
l 308.215	1104535.4	52.29	0.053	mg/L				0.10%
s 188.979	-22.2	0.0040	0.00113	mg/L				28.35%
249.773	14753.3	0.1515	0.00140	mg/L				0.92%
a 233.527	148090.6	1.338	0.0015	mg/L				0.11%
e 313.107	-5308.3	0.0000	0.00000	mg/L				9.22%
a 315.887	17630126.0	103.6	0.07	mg/L				0.07%
d 226.502	326.9	0.0045	0.00001	mg/L				0.25%
o 228.616	442.9	0.0227	0.00014	mg/L				0.63%
r 267.716	5070.4	0.0373	0.00002	mg/L				0.07%
u 324.754	11151.5	0.0361	0.00013	mg/L				0.36%
e 238.863	1424293.9	52.81	0.015	mg/L				0.03%
404.721	-1009.1	13.50	0.435	mg/L				3.22%
g 279.079	586813.8	22.75	0.046	mg/L				0.20%
n 257.610	825536.2	1.592	0.0007	mg/L				0.05%
o 202.030	13.2	0.0021	0.00000	mg/L				0.12%
a 330.237	5529.0	5.386	0.0531	mg/L				0.99%
i 231.604	1057.7	0.0291	0.00015	mg/L				0.51%
b 220.353	207.5	0.0347	0.00056	mg/L				1.61%
b 206.833	31.4	-0.0018	0.00089	mg/L				50.88%
e .026	-17.4	0.0044	0.00150	mg/L				33.70%
n .933	6240.4	0.5688	0.00126	mg/L				0.22%
i 334.941	1009974.7	1.798	0.0010	mg/L				0.05%
l 190.800	-66.2	-0.0198	0.00042	mg/L				2.11%
292.402	32397.7	0.1237	0.00019	mg/L				0.15%

In 206.191	13095.0	0.1518	0.00072	mg/L	0.47%

Ie Data ----------

ID: 526787 1/2 Seq. No.: 67 Sample No.: 40 A/S Pos: 48
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:09:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4331123.9	1.013	0.0002	mg/L				0.02%
Ag 328.068	-2614.6	-0.0042	0.00017	mg/L				3.97%
Al 308.215	948498.1	44.87	0.076	mg/L				0.17%
As 188.979	-20.3	0.0154	0.00034	mg/L				2.20%
B 249.773	13900.3	0.1416	0.00216	mg/L				1.53%
Ba 233.527	205802.4	1.860	0.0059	mg/L				0.32%
Be 313.107	-8610.5	-0.0004	0.00002	mg/L				4.29%
Ca 315.887	24123247.7	141.7	0.47	mg/L				0.33%
Cd 226.502	341.5	0.0046	0.00001	mg/L				0.32%
Co 228.616	417.4	0.0219	0.00018	mg/L				0.81%
Cr 267.716	5246.3	0.0386	0.00001	mg/L				0.03%
Cu 324.754	9694.1	0.0303	0.00010	mg/L				0.32%
Fe 238.863	1505736.0	55.83	0.013	mg/L				0.02%
K 404.721	-1273.3	10.73	0.291	mg/L				2.72%
Mg 279.079	549031.8	21.29	0.089	mg/L				0.42%
Mn 257.610	847526.5	1.634	0.0019	mg/L				0.12%
Mo 202.030	5.5	0.0016	0.00007	mg/L				4.47%
Na 330.237	4580.7	4.173	0.0108	mg/L				0.26%
Ni 231.604	925.5	0.0261	0.00021	mg/L				0.82%
Pb 220.353	215.0	0.0353	0.00024	mg/L				0.69%
Sb 206.833	35.5	-0.0001	0.00010	mg/L				69.43%
Se 196.026	-28.8	0.0008	0.00302	mg/L				380.37%
Sn 189.933	5982.1	0.5447	0.00136	mg/L				0.25%
Ti 334.941	1085848.1	1.933	0.0015	mg/L				0.08%
Tl 190.800	-65.3	-0.0193	0.00263	mg/L				13.61%
V [illegible].402	35966.4	0.1379	0.00031	mg/L				0.23%
Zn [illegible].191	11817.9	0.1370	0.00000	mg/L				0.00%

Mean Data ----------

ID: 526789 1/5 Seq. No.: 68 Sample No.: 41 A/S Pos: 49
Sample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:14:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4400631.8	1.029	0.0008	mg/L				0.08%
Ag 328.068	-2103.8	-0.0016	0.00019	mg/L				12.04%
Al 308.215	347416.2	16.30	0.075	mg/L				0.46%
As 188.979	-29.9	0.0003	0.00124	mg/L				391.44%
B 249.773	7986.0	0.0727	0.00117	mg/L				1.60%
Ba 233.527	34822.1	0.3143	0.00110	mg/L				0.35%
Be 313.107	-6053.2	-0.0001	0.00002	mg/L				23.83%
Ca 315.887	6103819.8	35.86	0.025	mg/L				0.07%
Cd 226.502	136.2	0.0029	0.00001	mg/L				0.33%
Co 228.616	15.6	0.0092	0.00023	mg/L				2.45%
Cr 267.716	6242.5	0.0457	0.00024	mg/L				0.52%
Cu 324.754	9413.4	0.0291	0.00029	mg/L				1.00%
Fe 238.863	801871.9	29.74	0.005	mg/L				0.02%
K 404.721	-1618.2	3.039	0.7652	mg/L				25.18%
Mg 279.079	200096.0	7.780	0.0101	mg/L				0.13%
Mn 257.610	272459.2	0.5255	0.00040	mg/L				0.08%
Mo 202.030	63.3	0.0051	0.00003	mg/L				0.64%
Na 330.237	1769.0	0.5760	0.01116	mg/L				1.94%
Ni 231.604	453.2	0.0152	0.00007	mg/L				0.45%
Pb 220.353	1105.5	0.1778	0.00079	mg/L				0.45%
Sb 206.833	37.5	0.0006	0.00008	mg/L				12.49%
Se 196.026	-25.8	0.0018	0.00106	mg/L				60.38%
Sn 189.933	2670.6	0.2367	0.00006	mg/L				0.03%
Ti 334.941	376808.0	0.6715	0.00002	mg/L				0.00%
Tl 190.800	-40.7	-0.0059	0.00214	mg/L				36.64%
V 292.402	10622.6	0.0368	0.00035	mg/L				0.96%
Zn 206.191	54817.1	0.6361	0.00043	mg/L				0.07%

Mean Data ----------

ID: 526790 1/10 Seq. No.: 69 Sample No.: 42 A/S Pos: 50
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:19:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4279355.3	1.001	0.0056	mg/L				0.56%
Ag 328.068	-1974.3	-0.0009	0.00020	mg/L				22.29%
Al 308.215	248552.2	11.60	0.157	mg/L				1.35%
As 188.979	-40.6	-0.0048	0.00043	mg/L				8.99%
B 249.773	5963.6	0.0492	0.00058	mg/L				1.18%
Ba 233.527	30174.8	0.2723	0.00304	mg/L				1.12%
Be 313.107	-6965.0	-0.0002	0.00001	mg/L				3.24%
Ca 315.887	3969970.0	23.32	0.018	mg/L				0.08%
Cd 226.502	-68.8	0.0011	0.00006	mg/L				5.30%
Co 228.616	-50.4	0.0071	0.00028	mg/L				3.98%
Cr 267.716	42343.4	0.3032	0.00329	mg/L				1.09%
Cu 324.754	9172.0	0.0282	0.00035	mg/L				1.23%
Fe 238.863	319720.5	11.87	0.135	mg/L				1.13%
K 404.721	-1381.0	1.847	1.2666	mg/L				68.57%
Mg 279.079	140784.5	5.484	0.0590	mg/L				1.08%
Mn 257.610	141152.5	0.2723	0.00293	mg/L				1.08%
Mo 202.030	677.3	0.0421	0.00019	mg/L				0.45%
Na 330.237	2906.7	2.031	0.0020	mg/L				0.10%
Ni 231.604	94.8	0.0069	0.00013	mg/L				1.95%
Pb 220.353	17979.1	2.946	0.0410	mg/L				1.39%
Sb 206.833	66.8	0.0121	0.00151	mg/L				12.53%
Se 196.026	-24.9	0.0021	0.00178	mg/L				86.48%
Sn 189.933	1961.5	0.1708	0.00020	mg/L				0.11%
Ti 334.941	312260.9	0.5567	0.00061	mg/L				0.11%
Tl 190.800	-33.4	-0.0018	0.00108	mg/L				58.31%
V 292.402	6495.6	0.0204	0.00043	mg/L				2.11%
Zn 206.191	8212.9	0.0951	0.00055	mg/L				0.58%

Mean Data

ID: 526791 1/10 Seq. No.: 70 Sample No.: 43 A/S Pos: 51
Sample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:24:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4335207.9	1.014	0.0054	mg/L				0.53%
Ag 328.068	-2040.6	-0.0013	0.00026	mg/L				20.98%
Al 308.215	243476.4	11.36	0.012	mg/L				0.10%
As 188.979	-40.3	-0.0047	0.00035	mg/L				7.44%
B 249.773	5375.5	0.0423	0.00092	mg/L				2.18%
Ba 233.527	29649.3	0.2676	0.00028	mg/L				0.10%
Be 313.107	-6552.2	-0.0001	0.00001	mg/L				6.07%
Ca 315.887	3954943.1	23.23	0.024	mg/L				0.11%
Cd 226.502	-68.8	0.0011	0.00002	mg/L				2.28%
Co 228.616	-57.9	0.0069	0.00014	mg/L				2.06%
Cr 267.716	43585.8	0.3121	0.00065	mg/L				0.21%
Cu 324.754	8789.0	0.0266	0.00009	mg/L				0.32%
Fe 238.863	291905.7	10.84	0.039	mg/L				0.36%
K 404.721	-1368.7	1.995	0.2084	mg/L				10.45%
Mg 279.079	140315.2	5.465	0.0136	mg/L				0.25%
Mn 257.610	139535.8	0.2692	0.00049	mg/L				0.18%
Mo 202.030	646.6	0.0402	0.00009	mg/L				0.21%
Na 330.237	2765.3	1.850	0.0853	mg/L				4.61%
Ni 231.604	95.7	0.0069	0.00001	mg/L				0.14%
Pb 220.353	18869.4	3.092	0.0087	mg/L				0.28%
Sb 206.833	51.9	0.0063	0.00076	mg/L				12.12%
Se 196.026	-21.9	0.0030	0.00084	mg/L				28.02%
Sn 189.933	1943.8	0.1691	0.00069	mg/L				0.41%
Ti 334.941	292833.8	0.5221	0.00191	mg/L				0.37%
Tl 190.800	-33.8	-0.0021	0.00001	mg/L				0.69%
V 292.402	5721.6	0.0173	0.00026	mg/L				1.50%
Zn 206.191	7941.1	0.0920	0.00008	mg/L				0.09%

Mean Data

ID: 526792 1/2 Seq. No.: 71 Sample No.: 44 A/S Pos: 52
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:30:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y .030	4360510.7	1.020	0.0063	mg/L				0.62%
Ag .8.068	-2583.0	-0.0041	0.00048	mg/L				11.72%
Al 308.215	1250104.3	59.21	0.528	mg/L				0.89%
As 188.979	-30.1	0.0105	0.00153	mg/L				14.64%
B 249.773	12412.0	0.1243	0.00181	mg/L				1.46%
Ba 233.527	123440.8	1.115	0.0074	mg/L				0.67%
Be 313.107	-4825.7	0.0001	0.00000	mg/L				0.80%
Ca 315.887	16433158.7	96.56	0.473	mg/L				0.49%
Cd 226.502	409.4	0.0052	0.00003	mg/L				0.54%
Co 228.616	467.4	0.0235	0.00008	mg/L				0.36%
Cr 267.716	5716.4	0.0419	0.00011	mg/L				0.25%
Cu 324.754	13177.8	0.0441	0.00055	mg/L				1.24%
Fe 238.863	1476353.0	54.74	0.380	mg/L				0.69%
K 404.721	-739.0	17.01	0.623	mg/L				3.66%
Mg 279.079	692136.9	26.83	0.182	mg/L				0.68%
Mn 257.610	812773.7	1.567	0.0110	mg/L				0.70%
Mo 202.030	5.0	0.0016	0.00009	mg/L				5.50%
Na 330.237	2663.3	1.720	0.0060	mg/L				0.35%
Ni 231.604	1233.1	0.0331	0.00015	mg/L				0.47%
Pb 220.353	270.4	0.0456	0.00036	mg/L				0.80%
Sb 206.833	34.4	-0.0006	0.00136	mg/L				224.15%
Se 196.026	-25.9	0.0017	0.00007	mg/L				4.02%
Sn 189.933	6908.5	0.6309	0.00168	mg/L				0.27%
Ti 334.941	1094811.6	1.949	0.0131	mg/L				0.67%
Tl 190.800	-67.6	-0.0206	0.00006	mg/L				0.32%
V 292.402	30883.0	0.1176	0.00090	mg/L				0.77%
Zn 206.191	21665.6	0.2513	0.00036	mg/L				0.14%

Mean Data

ID: 526793 1/2 Seq. No.: 72 Sample No.: 45 A/S Pos: 53
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:35:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4325581.4	1.012	0.0019	mg/L				0.18%
Ag 328.068	-2812.6	-0.0053	0.00019	mg/L				3.61%
Al 308.215	960144.5	45.43	0.033	mg/L				0.07%
As 188.979	7.9	0.0184	0.00100	mg/L				5.45%
B 249.773	10460.4	0.1015	0.00179	mg/L				1.76%
Ba 233.527	147571.4	1.333	0.0140	mg/L				1.05%
Be 313.107	-7481.2	-0.0003	0.00000	mg/L				0.04%
Ca 315.887	22003987.7	129.3	0.34	mg/L				0.27%
Cd 226.502	323.1	0.0045	0.00001	mg/L				0.22%
Co 228.616	462.3	0.0233	0.00007	mg/L				0.32%
Cr 267.716	4928.5	0.0363	0.00023	mg/L				0.64%
Cu 324.754	9853.4	0.0309	0.00025	mg/L				0.81%
Fe 238.863	1383526.3	51.30	0.045	mg/L				0.09%
K 404.721	-1473.6	7.708	1.0794	mg/L				14.00%
Mg 279.079	496701.4	19.26	0.199	mg/L				1.03%
Mn 257.610	855813.8	1.650	0.0041	mg/L				0.25%
Mo 202.030	9.0	0.0018	0.00035	mg/L				19.35%
Na 330.237	2561.8	1.590	0.0307	mg/L				1.93%
Ni 231.604	938.7	0.0264	0.00014	mg/L				0.52%
Pb 220.353	235.7	0.0387	0.00056	mg/L				1.43%
Sb 206.833	32.0	-0.0015	0.00016	mg/L				10.05%
Se 196.026	-29.3	0.0006	0.00286	mg/L				444.47%
Sn 189.933	5554.4	0.5050	0.00140	mg/L				0.28%
Ti 334.941	995978.6	1.773	0.0043	mg/L				0.24%
Tl 190.800	-68.0	-0.0208	0.00092	mg/L				4.40%
V 292.402	36979.0	0.1419	0.00188	mg/L				1.32%
Zn 206.191	11617.5	0.1346	0.00033	mg/L				0.24%

Mean Data

ID CCV Seq. No.: 73 Sample No.: 8 A/S Pos: 4
S e Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:41:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD

(371.030	4199412.7	0.982	0.0024	mg/L	0.24%
Ag 328.068	95198.3	0.5044	0.00148	mg/L	0.29%
Al 308.215	217049.6	10.10	0.031	mg/L	0.31%
As .979	2051.9	0.9953	0.00702	mg/L	0.71%
B .773	212408.2	2.453	0.0077	mg/L	0.32%
Ba 233.527	1160100.9	10.49	0.006	mg/L	0.06%
Be 313.107	1720974.4	0.2547	0.00003	mg/L	0.01%
Ca 315.887	4336313.9	25.47	0.005	mg/L	0.02%
Cd 226.502	60656.0	0.5249	0.00377	mg/L	0.72%
Co 228.616	80634.7	2.555	0.0052	mg/L	0.20%
Cr 267.716	71258.6	0.5095	0.00104	mg/L	0.20%
Cu 324.754	322752.8	1.278	0.0048	mg/L	0.37%
Fe 238.863	138624.0	5.160	0.0246	mg/L	0.48%
K 404.721	583.7	25.46	0.525	mg/L	2.06%
Mg 279.079	653058.1	25.32	0.105	mg/L	0.42%
Mn 257.610	393324.9	0.7585	0.00122	mg/L	0.16%
Mo 202.030	41879.5	2.526	0.0147	mg/L	0.58%
Na 330.237	20194.1	24.15	0.038	mg/L	0.16%
Ni 231.604	91240.1	2.106	0.0069	mg/L	0.33%
Pb 220.353	3243.3	0.5285	0.00110	mg/L	0.21%
Sb 206.833	12459.6	4.861	0.0063	mg/L	0.13%
Se 196.026	1563.7	0.5107	0.00308	mg/L	0.60%
Sn 189.933	57304.8	5.318	0.0135	mg/L	0.25%
Ti 334.941	1373511.1	2.445	0.0006	mg/L	0.03%
Tl 190.800	1945.0	1.080	0.0059	mg/L	0.55%
V 292.402	625798.5	2.491	0.0032	mg/L	0.13%
Zn 206.191	89594.6	1.040	0.0047	mg/L	0.45%

Mean Data

ID: CCB Seq. No.: 74 Sample No.: 9 A/S Pos: 5
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:46:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
(371.030	4262621.4	0.997	0.0009	mg/L				0.09%
Ag .068	-1839.2	-0.0002	0.00017	mg/L				78.50%
Al 308.215	4551.6	0.0040	0.00288	mg/L				71.85%
As 188.979	-29.8	0.0004	0.00059	mg/L				159.26%
B 249.773	2923.4	0.0138	0.00365	mg/L				26.50%
Ba 233.527	266.9	0.0020	0.00007	mg/L				3.65%
Be 313.107	-5272.4	0.0000	0.00002	mg/L				55.87%
Ca 315.887	1992.7	0.0041	0.00134	mg/L				32.37%
Cd 226.502	-187.5	0.0001	0.00004	mg/L				55.82%
Co 228.616	-253.1	0.0007	0.00004	mg/L				4.91%
Cr 267.716	-148.2	0.0001	0.00039	mg/L				535.50%
Cu 324.754	2317.8	0.0009	0.00046	mg/L				53.46%
Fe 238.863	-429.3	0.0056	0.00051	mg/L				9.19%
K 404.721	-1408.0	1.523	0.9244	mg/L				60.70%
Mg 279.079	-805.0	0.0014	0.00046	mg/L				33.99%
Mn 257.610	16.3	0.0002	0.00002	mg/L				10.13%
Mo 202.030	11.5	0.0020	0.00018	mg/L				9.25%
Na 330.237	1274.1	-0.0571	0.00326	mg/L				5.71%
Ni 231.604	-198.4	0.0002	0.00002	mg/L				10.73%
Pb 220.353	23.6	0.0003	0.00028	mg/L				108.42%
Sb 206.833	95.3	0.0232	0.00743	mg/L				31.96%
QC exceeds upper limit for Sb 206.833 Action = Continue								
Se 196.026	-23.3	0.0026	0.00081	mg/L				31.46%
Sn 189.933	210.9	0.0079	0.00221	mg/L				27.83%
Ti 334.941	92.8	0.0012	0.00043	mg/L				34.77%
Tl 190.800	-23.7	0.0034	0.00072	mg/L				20.97%
V 292.402	1443.6	0.0002	0.00031	mg/L				152.89%
Zn 206.191	60.0	0.0005	0.00017	mg/L				36.77%

Mean Data

ID: 526794 1/2 Seq. No.: 75 Sample No.: 46 A/S Pos: 54
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:51:31 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
(371.030	4311939.2	1.009	0.0101	mg/L				1.00%
Ag 328.068	-2655.5	-0.0045	0.00039	mg/L				8.75%

Al 308.215	749544.1	35.42	0.231	mg/L	0.65%
As 188.979	-6.3	0.0116	0.00092	mg/L	7.91%
B 249.773	8313.6	0.0765	0.00102	mg/L	1.33%
Ba .527	174246.3	1.575	0.0097	mg/L	0.62%
Be .107	-7534.3	-0.0003	0.00001	mg/L	2.99%
Ca 315.887	25029197.2	147.1	2.38	mg/L	1.62%
Cd 226.502	256.8	0.0039	0.00004	mg/L	0.91%
Co 228.616	374.3	0.0206	0.00006	mg/L	0.27%
Cr 267.716	4138.8	0.0307	0.00023	mg/L	0.76%
Cu 324.754	8578.8	0.0258	0.00011	mg/L	0.42%
Fe 238.863	1160395.8	43.03	0.237	mg/L	0.55%
K 404.721	-1572.5	5.395	0.7471	mg/L	13.85%
Mg 279.079	414708.8	16.09	0.072	mg/L	0.44%
Mn 257.610	989372.2	1.908	0.0126	mg/L	0.66%
Mo 202.030	8.6	0.0018	0.00033	mg/L	18.24%
Na 330.237	2808.4	1.906	0.0064	mg/L	0.34%
Ni 231.604	736.6	0.0217	0.00026	mg/L	1.18%
Pb 220.353	231.9	0.0344	0.00004	mg/L	0.12%
Sb 206.833	49.2	0.0052	0.00072	mg/L	13.80%
Se 196.026	-26.7	0.0015	0.00131	mg/L	87.90%
Sn 189.933	4874.9	0.4418	0.00377	mg/L	0.85%
Ti 334.941	802216.8	1.428	0.0083	mg/L	0.58%
Tl 190.800	-72.8	-0.0234	0.00074	mg/L	3.17%
V 292.402	33089.2	0.1264	0.00114	mg/L	0.90%
Zn 206.191	9405.4	0.1090	0.00085	mg/L	0.78%

Mean Data

ID: 526795 1/2 Seq. No.: 76 Sample No.: 47 A/S Pos: 55
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 9:56:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Al 371.030	4369706.4	1.022	0.0042	mg/L				0.41%
Ag 328.068	-2474.8	-0.0035	0.00013	mg/L				3.61%
Al .215	481952.4	22.70	0.135	mg/L				0.60%
As .979	-16.4	0.0068	0.00012	mg/L				1.83%
B 249.773	6129.9	0.0511	0.00058	mg/L				1.13%
Ba 233.527	95583.5	0.8635	0.00472	mg/L				0.55%
Be 313.107	-6754.1	-0.0002	0.00000	mg/L				1.29%
Ca 315.887	24301841.5	142.8	0.96	mg/L				0.67%
Cd 226.502	146.2	0.0029	0.00000	mg/L				0.11%
Co 228.616	116.6	0.0124	0.00019	mg/L				1.57%
Cr 267.716	2852.0	0.0215	0.00007	mg/L				0.34%
Cu 324.754	6341.2	0.0169	0.00033	mg/L				1.98%
Fe 238.863	869339.1	32.24	0.014	mg/L				0.04%
K 404.721	-1548.4	4.218	1.6317	mg/L				38.69%
Mg 279.079	282371.2	10.97	0.075	mg/L				0.68%
Mn 257.610	912669.2	1.760	0.0001	mg/L				0.01%
Mo 202.030	-0.6	0.0012	0.00017	mg/L				14.05%
Na 330.237	2487.9	1.496	0.0070	mg/L				0.46%
Ni 231.604	433.4	0.0147	0.00023	mg/L				1.55%
Pb 220.353	181.7	0.0262	0.00051	mg/L				1.96%
Sb 206.833	37.8	0.0007	0.00047	mg/L				65.23%
Se 196.026	-27.0	0.0014	0.00143	mg/L				103.70%
Sn 189.933	3566.6	0.3201	0.00249	mg/L				0.78%
Ti 334.941	565700.5	1.008	0.0003	mg/L				0.03%
Tl 190.800	-67.2	-0.0204	0.00085	mg/L				4.17%
V 292.402	23450.5	0.0880	0.00045	mg/L				0.52%
Zn 206.191	6589.9	0.0763	0.00078	mg/L				1.02%

Mean Data

ID: 526796 1/2 Seq. No.: 77 Sample No.: 48 A/S Pos: 56
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:02:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y .030	4285414.9	1.003	0.0020	mg/L				0.20%
Ag .8.068	-2751.9	-0.0050	0.00032	mg/L				6.42%
Al 308.215	1374329.6	65.11	0.120	mg/L				0.18%
As 188.979	-28.7	0.0116	0.00205	mg/L				17.63%
B 249.773	12767.0	0.1284	0.00020	mg/L				0.15%

a 233.527	146495.1	1.324	0.0017	mg/L	0.13%
e 313.107	-5854.7	0.0000	0.00001	mg/L	21.79%
a 315.887	27794852.8	163.3	0.70	mg/L	0.43%
d .502	354.0	0.0047	0.00002	mg/L	0.46%
o .616	476.5	0.0238	0.00003	mg/L	0.14%
r 267.716	5374.7	0.0395	0.00014	mg/L	0.35%
u 324.754	13052.4	0.0436	0.00018	mg/L	0.40%
e 238.863	1554777.9	57.65	0.042	mg/L	0.07%
404.721	-675.0	18.17	0.247	mg/L	1.36%
g 279.079	835263.3	32.37	0.012	mg/L	0.04%
n 257.610	622505.3	1.200	0.0035	mg/L	0.29%
o 202.030	-1.5	0.0012	0.00006	mg/L	4.77%
a 330.237	2965.4	2.106	0.0056	mg/L	0.27%
i 231.604	1264.0	0.0338	0.00004	mg/L	0.12%
b 220.353	185.3	0.0321	0.00097	mg/L	3.03%
b 206.833	33.2	-0.0011	0.00109	mg/L	102.31%
e 196.026	-22.3	0.0029	0.00134	mg/L	46.65%
n 189.933	7742.5	0.7085	0.00023	mg/L	0.03%
i 334.941	1206313.5	2.147	0.0052	mg/L	0.24%
l 190.800	-58.4	-0.0155	0.00154	mg/L	9.89%
292.402	32076.5	0.1224	0.00030	mg/L	0.24%
n 206.191	14343.6	0.1663	0.00011	mg/L	0.06%

lean Data

D: 526797 1/2 Seq. No.: 78 Sample No.: 49 A/S Pos: 57

ample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 10:07:54 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4312590.6	1.009	0.0023	mg/L				0.23%
g 328.068	-2724.9	-0.0048	0.00001	mg/L				0.16%
l 308.215	1309698.2	62.04	0.011	mg/L				0.02%
s 188.979	-33.2	-0.0013	0.00044	mg/L				35.08%
249.773	12119.9	0.1209	0.00074	mg/L				0.61%
a .527	122897.8	1.110	0.0021	mg/L				0.19%
e .107	-4678.8	0.0001	0.00000	mg/L				3.02%
a 315.887	27741605.6	163.0	1.61	mg/L				0.99%
d 226.502	313.2	0.0044	0.00000	mg/L				0.08%
o 228.616	442.3	0.0227	0.00050	mg/L				2.22%
r 267.716	4947.8	0.0364	0.00030	mg/L				0.81%
u 324.754	12389.9	0.0410	0.00017	mg/L				0.42%
e 238.863	1437123.5	53.29	0.042	mg/L				0.08%
404.721	-542.8	19.17	0.525	mg/L				2.74%
g 279.079	816807.5	31.66	0.013	mg/L				0.04%
n 257.610	594923.0	1.147	0.0011	mg/L				0.09%
o 202.030	-1.8	0.0012	0.00031	mg/L				26.63%
a 330.237	2938.9	2.073	0.0216	mg/L				1.04%
i 231.604	1208.1	0.0326	0.00002	mg/L				0.06%
b 220.353	180.8	0.0311	0.00071	mg/L				2.29%
b 206.833	31.0	-0.0019	0.00181	mg/L				94.23%
e 196.026	-21.2	0.0032	0.00088	mg/L				27.04%
n 189.933	7589.7	0.6943	0.00256	mg/L				0.37%
i 334.941	1115212.3	1.985	0.0016	mg/L				0.08%
l 190.800	-56.9	-0.0147	0.00128	mg/L				8.67%
292.402	28446.0	0.1079	0.00030	mg/L				0.27%
n 206.191	13616.2	0.1578	0.00095	mg/L				0.60%

lean Data

D: 526798 1/2 Seq. No.: 79 Sample No.: 50 A/S Pos: 58

ample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 10:13:21 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4211647.9	0.985	0.0046	mg/L				0.47%
g 328.068	-2731.5	-0.0049	0.00027	mg/L				5.49%
l 308.215	977986.0	46.27	0.291	mg/L				0.63%
s .979	-37.1	0.0091	0.00130	mg/L				14.22%
249.773	18457.8	0.1947	0.00006	mg/L				0.03%
a 233.527	155585.0	1.406	0.0059	mg/L				0.42%
e 313.107	-4064.5	0.0002	0.00001	mg/L				3.52%
a 315.887	16020610.5	94.13	0.068	mg/L				0.07%

:d 226.502	552.6	0.0065	0.00006	mg/L	0.93%
:o 228.616	436.2	0.0225	0.00011	mg/L	0.48%
:r [illegible].716	9769.9	0.0708	0.00027	mg/L	0.39%
:u .754	36413.7	0.1367	0.00095	mg/L	0.69%
'e [illegible].863	1766799.5	65.51	0.220	mg/L	0.34%
: 404.721	-1002.9	15.30	0.083	mg/L	0.54%
lg 279.079	508753.0	19.73	0.055	mg/L	0.28%
.n 257.610	656811.1	1.267	0.0033	mg/L	0.26%
lo 202.030	1244.8	0.0763	0.00024	mg/L	0.31%
la 330.237	2610.8	1.653	0.0075	mg/L	0.45%
li 231.604	2089.2	0.0529	0.00020	mg/L	0.37%
'b 220.353	2092.9	0.3435	0.00273	mg/L	0.79%
;b 206.833	38.1	0.0008	0.00066	mg/L	78.73%
;e 196.026	-24.1	0.0023	0.00080	mg/L	34.49%
in 189.933	5781.3	0.5261	0.00241	mg/L	0.46%
:i 334.941	819543.4	1.459	0.0049	mg/L	0.33%
:l 190.800	-59.2	-0.0160	0.00077	mg/L	4.81%
' 292.402	27317.9	0.1034	0.00047	mg/L	0.45%
:n 206.191	79442.9	0.9220	0.00329	mg/L	0.36%

lean Data ----------

:D: 526799 1/50 Seq. No.: 80 Sample No.: 51 A/S Pos: 59
:ample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:18:28 PM

:lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
' 371.030	4442479.7	1.039	0.0009	mg/L				0.09%
;g 328.068	-1882.5	-0.0004	0.00041	mg/L				94.51%
:l 308.215	47560.4	2.048	0.0094	mg/L				0.46%
:s 188.979	-29.9	0.0003	0.00055	mg/L				170.49%
: 249.773	1932.3	0.0022	0.00053	mg/L				23.70%
:a 233.527	3725.6	0.0333	0.00010	mg/L				0.30%
:e 313.107	-5387.7	0.0000	0.00000	mg/L				10.02%
:a 315.887	795525.7	4.667	0.0116	mg/L				0.25%
:d .502	-156.2	0.0003	0.00003	mg/L				9.10%
:o .616	-230.8	0.0014	0.00028	mg/L				19.25%
:r 267.716	226.6	0.0027	0.00012	mg/L				4.45%
:u 324.754	2582.6	0.0019	0.00004	mg/L				2.06%
'e 238.863	72544.6	2.710	0.0051	mg/L				0.19%
: 404.721	-1445.0	1.077	0.7781	mg/L				72.22%
lg 279.079	22663.8	0.9101	0.00057	mg/L				0.06%
.n 257.610	21531.4	0.0417	0.00022	mg/L				0.54%
lo 202.030	-16.2	0.0003	0.00015	mg/L				50.36%
la 330.237	1349.3	0.0391	0.00409	mg/L				10.48%
li 231.604	-149.3	0.0013	0.00017	mg/L				12.77%
'b 220.353	29.4	0.0012	0.00043	mg/L				35.35%
;b 206.833	34.3	-0.0006	0.00001	mg/L				1.75%
;e 196.026	-25.9	0.0017	0.00089	mg/L				52.19%
in 189.933	377.4	0.0234	0.00046	mg/L				1.97%
:i 334.941	40765.9	0.0736	0.00002	mg/L				0.03%
:l 190.800	-27.0	0.0016	0.00046	mg/L				28.47%
' 292.402	2526.9	0.0045	0.00002	mg/L				0.37%
:n 206.191	55500.5	0.6441	0.00021	mg/L				0.03%

lean Data ----------

:D: 526800 1/50 Seq. No.: 81 Sample No.: 52 A/S Pos: 60
:ample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:23:32 PM

:lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
' 371.030	4286833.0	1.003	0.0022	mg/L				0.22%
;g 328.068	-1943.0	-0.0008	0.00015	mg/L				19.33%
:l 308.215	51809.6	2.250	0.0109	mg/L				0.48%
:s 188.979	-27.0	0.0017	0.00084	mg/L				49.67%
: 249.773	1881.4	0.0017	0.00023	mg/L				13.68%
:a [illegible].527	4833.2	0.0433	0.00005	mg/L				0.11%
:e .107	-5569.5	0.0000	0.00000	mg/L				866.68%
:a [illegible].887	953399.7	5.595	0.0043	mg/L				0.08%
:d 226.502	-176.2	0.0002	0.00003	mg/L				16.26%
:o 228.616	-238.9	0.0012	0.00005	mg/L				4.29%
:r 267.716	156.0	0.0022	0.00028	mg/L				12.69%

Cu 324.754	2651.3	0.0022	0.00040	mg/L	18.34%
Fe 238.863	63536.7	2.377	0.0034	mg/L	0.14%
K [illegible].721	-1466.8	0.8152	0.94984	mg/L	116.51%
Mg .079	27893.4	1.113	0.0039	mg/L	0.35%
Mn [illegible].610	26208.8	0.0507	0.00019	mg/L	0.37%
Mo 202.030	-18.5	0.0002	0.00013	mg/L	87.06%
Na 330.237	1404.1	0.1092	0.07247	mg/L	66.36%
Ni 231.604	-158.9	0.0011	0.00008	mg/L	7.09%
Pb 220.353	32.3	0.0017	0.00003	mg/L	1.51%
Sb 206.833	36.4	0.0002	0.00045	mg/L	261.91%
Se 196.026	-25.7	0.0018	0.00063	mg/L	34.67%
Sn 189.933	453.0	0.0305	0.00006	mg/L	0.20%
Ti 334.941	39522.8	0.0714	0.00010	mg/L	0.13%
Tl 190.800	-28.8	0.0006	0.00012	mg/L	19.86%
V 292.402	2544.7	0.0046	0.00016	mg/L	3.47%
Zn 206.191	40837.7	0.4738	0.00043	mg/L	0.09%

Mean Data ----------

ID: 526801 1/10 Seq. No.: 82 Sample No.: 53 A/S Pos: 61
Sample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:28:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4393522.3	1.028	0.0068	mg/L				0.66%
Ag 328.068	-2119.1	-0.0017	0.00007	mg/L				4.46%
Al 308.215	247491.6	11.55	0.187	mg/L				1.62%
As 188.979	-26.4	0.0020	0.00146	mg/L				73.07%
B 249.773	3683.5	0.0226	0.00095	mg/L				4.22%
Ba 233.527	29415.5	0.2655	0.00405	mg/L				1.53%
Be 313.107	-5426.2	0.0000	0.00002	mg/L				113.21%
Ca 315.887	4329215.4	25.43	0.014	mg/L				0.06%
Cd 226.502	-47.3	0.0013	0.00000	mg/L				0.22%
Co 228.616	-106.2	0.0054	0.00009	mg/L				1.72%
Cr 267.716	1270.5	0.0102	0.00024	mg/L				2.38%
Cu [illegible].754	4015.2	0.0076	0.00025	mg/L				3.24%
Fe .863	307572.0	11.42	0.174	mg/L				1.52%
K 404.721	-1432.1	1.232	0.7651	mg/L				62.08%
Mg 279.079	139484.9	5.433	0.0793	mg/L				1.46%
Mn 257.610	199804.3	0.3854	0.00576	mg/L				1.49%
Mo 202.030	-10.9	0.0006	0.00003	mg/L				5.14%
Na 330.237	2593.2	1.630	0.0723	mg/L				4.44%
Ni 231.604	73.3	0.0064	0.00009	mg/L				1.38%
Pb 220.353	186.9	0.0271	0.00023	mg/L				0.83%
Sb 206.833	36.5	0.0002	0.00116	mg/L				528.77%
Se 196.026	-32.4	-0.0004	0.00006	mg/L				17.40%
Sn 189.933	1918.4	0.1668	0.00149	mg/L				0.89%
Ti 334.941	216473.8	0.3862	0.00656	mg/L				1.70%
Tl 190.800	-37.1	-0.0039	0.00219	mg/L				55.94%
V 292.402	7608.8	0.0248	0.00045	mg/L				1.82%
Zn 206.191	49052.4	0.5692	0.00898	mg/L				1.58%

Mean Data ----------

ID: 526802 1/10 Seq. No.: 83 Sample No.: 54 A/S Pos: 62
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:33:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4357376.0	1.019	0.0027	mg/L				0.26%
Ag 328.068	-2051.9	-0.0013	0.00020	mg/L				15.53%
Al 308.215	293216.6	13.73	0.088	mg/L				0.64%
As 188.979	-29.5	0.0005	0.00435	mg/L				848.75%
B 249.773	3480.4	0.0203	0.00028	mg/L				1.36%
Ba 233.527	26131.2	0.2358	0.00169	mg/L				0.72%
Be 313.107	-4970.8	0.0001	0.00000	mg/L				0.73%
Ca 315.887	3099161.3	18.20	0.022	mg/L				0.12%
Cd [illegible]6.502	-76.7	0.0010	0.00001	mg/L				1.23%
Co .616	-93.6	0.0058	0.00004	mg/L				0.74%
Cr [illegible].716	1101.4	0.0090	0.00044	mg/L				4.87%
Cu 324.754	4230.1	0.0085	0.00014	mg/L				1.68%
Fe 238.863	332738.9	12.35	0.078	mg/L				0.63%
K 404.721	-1444.6	1.082	0.4549	mg/L				42.04%

Mg 279.079	157006.3	6.112	0.0324	mg/L	0.53%
Mn 257.610	167215.2	0.3226	0.00208	mg/L	0.65%
Mo [illegible].030	-12.4	0.0005	0.00010	mg/L	18.82%
Na [illegible].237	2037.4	0.9194	0.00939	mg/L	1.02%
Ni [illegible]1.604	116.2	0.0074	0.00023	mg/L	3.13%
Pb 220.353	67.8	0.0075	0.00065	mg/L	8.71%
Sb 206.833	32.7	-0.0013	0.00202	mg/L	159.14%
Se 196.026	-28.7	0.0008	0.00299	mg/L	356.63%
Sn 189.933	2185.7	0.1916	0.00083	mg/L	0.43%
Ti 334.941	225882.2	0.4030	0.00209	mg/L	0.52%
Tl 190.800	-36.6	-0.0036	0.00073	mg/L	20.06%
V 292.402	7781.5	0.0255	0.00034	mg/L	1.33%
Zn 206.191	5619.0	0.0650	0.00025	mg/L	0.38%

Mean Data ----------

ID: 526804 1/10 Seq. No.: 84 Sample No.: 55 A/S Pos: 63
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:38:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4395661.6	1.028	0.0017	mg/L				0.17%
Ag 328.068	-2096.8	-0.0016	0.00018	mg/L				11.50%
Al 308.215	284895.7	13.33	0.068	mg/L				0.51%
As 188.979	-27.4	0.0015	0.00156	mg/L				103.52%
B 249.773	3442.9	0.0198	0.00026	mg/L				1.30%
Ba 233.527	23560.5	0.2125	0.00190	mg/L				0.89%
Be 313.107	-4741.1	0.0001	0.00000	mg/L				4.06%
Ca 315.887	3014662.7	17.71	0.014	mg/L				0.08%
Cd 226.502	-78.4	0.0010	0.00003	mg/L				2.77%
Co 228.616	-98.0	0.0056	0.00000	mg/L				0.04%
Cr 267.716	1062.0	0.0087	0.00021	mg/L				2.41%
Cu 324.754	4170.1	0.0082	0.00003	mg/L				0.31%
Fe 238.863	320519.0	11.90	0.055	mg/L				0.46%
K [illegible].721	-1317.5	2.611	0.3997	mg/L				15.31%
Mg [illegible].079	152459.5	5.936	0.0311	mg/L				0.52%
Mn [illegible].610	162330.2	0.3131	0.00139	mg/L				0.44%
Mo 202.030	-11.9	0.0005	0.00002	mg/L				4.43%
Na 330.237	2018.5	0.8952	0.13033	mg/L				14.56%
Ni 231.604	103.2	0.0071	0.00010	mg/L				1.43%
Pb 220.353	70.9	0.0080	0.00040	mg/L				5.00%
Sb 206.833	36.1	0.0001	0.00008	mg/L				123.79%
Se 196.026	-27.1	0.0013	0.00306	mg/L				230.04%
Sn 189.933	2130.8	0.1865	0.00092	mg/L				0.49%
Ti 334.941	207932.3	0.3710	0.00198	mg/L				0.53%
Tl 190.800	-33.0	-0.0016	0.00056	mg/L				34.27%
V 292.402	7506.0	0.0244	0.00027	mg/L				1.10%
Zn 206.191	7442.0	0.0862	0.00002	mg/L				0.02%

Mean Data ----------

ID: CCV Seq. No.: 85 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:44:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4199721.0	0.982	0.0010	mg/L				0.10%
Ag 328.068	93361.2	0.4948	0.00029	mg/L				0.06%
Al 308.215	213719.3	9.946	0.0052	mg/L				0.05%
As 188.979	2008.4	0.9745	0.00186	mg/L				0.19%
B 249.773	207573.7	2.397	0.0191	mg/L				0.80%
Ba 233.527	1160548.6	10.49	0.006	mg/L				0.06%
Be 313.107	1725457.4	0.2553	0.00002	mg/L				0.01%
Ca 315.887	4332379.8	25.45	0.016	mg/L				0.06%
Cd 226.502	60377.3	0.5225	0.00095	mg/L				0.18%
Co 228.616	78610.1	2.491	0.0029	mg/L				0.12%
Cr 267.716	69777.4	0.4989	0.00071	mg/L				0.14%
Cu [illegible].754	318752.3	1.262	0.0000	mg/L				0.00%
Fe [illegible].863	136330.7	5.075	0.0043	mg/L				0.09%
K [illegible].721	507.0	24.54	0.912	mg/L				3.72%
Mg 279.079	644421.0	24.98	0.009	mg/L				0.04%
Mn 257.610	382328.8	0.7373	0.00055	mg/L				0.08%
Mo 202.030	41823.6	2.523	0.0015	mg/L				0.06%

a 330.237	20066.5	23.98	0.010	mg/L	0.04%
i 231.604	90222.2	2.083	0.0002	mg/L	0.01%
b .353	3272.6	0.5334	0.00005	mg/L	0.01%
b 833	12275.2	4.789	0.0260	mg/L	0.54%
e .026	1568.7	0.5123	0.00450	mg/L	0.88%
a 189.933	56519.5	5.245	0.0089	mg/L	0.17%
i 334.941	1353268.0	2.409	0.0018	mg/L	0.07%
l 190.800	1963.5	1.090	0.0076	mg/L	0.70%
292.402	619528.5	2.466	0.0014	mg/L	0.06%
n 206.191	88657.6	1.029	0.0005	mg/L	0.05%

ean Data ----------

D: CCB Seq. No.: 86 Sample No.: 9 A/S Pos: 5
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:49:07 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4296119.4	1.005	0.0059	mg/L				0.58%
g 328.068	-1887.2	-0.0005	0.00003	mg/L				6.09%
l 308.215	4720.7	0.0120	0.00062	mg/L				5.15%
s 188.979	-26.5	0.0019	0.00128	mg/L				67.00%
249.773	2923.6	0.0138	0.00396	mg/L				28.72%
a 233.527	339.9	0.0027	0.00028	mg/L				10.53%
e 313.107	-5180.8	0.0001	0.00000	mg/L				8.71%
a 315.887	2400.8	0.0065	0.00196	mg/L				30.09%
d 226.502	-186.0	0.0001	0.00001	mg/L				15.84%
o 228.616	-248.9	0.0009	0.00005	mg/L				5.56%
r 267.716	-107.3	0.0004	0.00003	mg/L				8.48%
u 324.754	2268.5	0.0007	0.00022	mg/L				33.55%
e 238.863	-468.7	0.0041	0.00029	mg/L				7.08%
404.721	-1458.0	0.9213	0.48412	mg/L				52.55%
g 279.079	-670.6	0.0066	0.00304	mg/L				46.24%
n 257.610	44.8	0.0002	0.00002	mg/L				9.98%
o 202.030	16.3	0.0022	0.00016	mg/L				7.14%
a .237	1397.7	0.1010	0.13581	mg/L				134.43%
i .604	-204.0	0.0000	0.00010	mg/L				314.98%
b 220.353	22.5	0.0001	0.00115	mg/L				>999.9%
b 206.833	94.3	0.0228	0.00475	mg/L				20.81%
QC exceeds upper limit for Sb 206.833 Action = Continue								
e 196.026	-20.3	0.0035	0.00140	mg/L				39.48%
n 189.933	218.4	0.0086	0.00256	mg/L				29.58%
i 334.941	87.9	0.0012	0.00044	mg/L				35.87%
l 190.800	-25.3	0.0026	0.00194	mg/L				75.71%
292.402	1398.0	0.0000	0.00008	mg/L				371.34%
n 206.191	70.2	0.0006	0.00013	mg/L				22.81%

lean Data ----------

D: 526805 1/5 Seq. No.: 87 Sample No.: 56 A/S Pos: 64
ample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:54:20 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4326420.0	1.012	0.0017	mg/L				0.17%
g 328.068	-2236.6	-0.0023	0.00015	mg/L				6.60%
l 308.215	501581.2	23.63	0.073	mg/L				0.31%
s 188.979	-26.5	0.0019	0.00000	mg/L				0.12%
249.773	6037.9	0.0501	0.00130	mg/L				2.59%
a 233.527	50674.5	0.4576	0.00393	mg/L				0.86%
e 313.107	-4756.3	0.0001	0.00001	mg/L				4.28%
a 315.887	6489223.9	38.12	0.079	mg/L				0.21%
d 226.502	66.6	0.0023	0.00002	mg/L				1.01%
o 228.616	33.3	0.0098	0.00018	mg/L				1.83%
r 267.716	7221.9	0.0526	0.00044	mg/L				0.83%
u 324.754	6294.6	0.0167	0.00034	mg/L				2.06%
e 238.863	613291.2	22.75	0.021	mg/L				0.09%
.721	-1266.7	6.314	0.2467	mg/L				3.91%
.079	284269.2	11.04	0.075	mg/L				0.68%
n .57.610	294323.3	0.5676	0.00104	mg/L				0.18%
o 202.030	3.6	0.0015	0.00020	mg/L				13.24%
a 330.237	3071.6	2.242	0.0383	mg/L				1.71%
i 231.604	369.3	0.0132	0.00019	mg/L				1.44%

Pb 220.353	1186.4	0.1910	0.00004	mg/L	0.02%
Sb 206.833	50.5	0.0057	0.00123	mg/L	21.42%
Se 196.026	-30.6	0.0002	0.00138	mg/L	623.70%
Sr .933	3601.8	0.3233	0.00047	mg/L	0.15%
Ti ..941	411057.8	0.7325	0.00162	mg/L	0.22%
Tl 190.800	-41.8	-0.0065	0.00131	mg/L	20.23%
V 292.402	13368.9	0.0478	0.00033	mg/L	0.69%
Zn 206.191	54355.5	0.6308	0.00458	mg/L	0.73%

Mean Data

ID: 526809 1/2 Seq. No.: 88 Sample No.: 57 A/S Pos: 65
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 10:59:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
A 371.030	4207010.1	0.984	0.0058	mg/L				0.59%
Ag 328.068	-2692.6	-0.0046	0.00024	mg/L				5.27%
Al 308.215	1043843.4	49.41	0.016	mg/L				0.03%
As 188.979	-28.8	0.0008	0.00066	mg/L				78.36%
B 249.773	10387.3	0.1007	0.00052	mg/L				0.51%
Ba 233.527	97444.5	0.8804	0.00244	mg/L				0.28%
Be 313.107	-5385.3	0.0000	0.00001	mg/L				29.92%
Ca 315.887	20637121.3	121.3	1.26	mg/L				1.04%
Cd 226.502	287.9	0.0042	0.00000	mg/L				0.05%
Co 228.616	333.3	0.0193	0.00030	mg/L				1.58%
Cr 267.716	5011.0	0.0369	0.00015	mg/L				0.40%
Cu 324.754	13355.5	0.0448	0.00010	mg/L				0.23%
Fe 238.863	1322561.8	49.04	0.047	mg/L				0.10%
K 404.721	-1134.6	11.48	0.106	mg/L				0.93%
Mg 279.079	589178.9	22.85	0.048	mg/L				0.21%
Mn 257.610	547071.9	1.055	0.0004	mg/L				0.03%
Mo 202.030	28.8	0.0030	0.00037	mg/L				12.43%
Na 330.237	2382.8	1.361	0.0046	mg/L				0.34%
Ni 231.604	1098.1	0.0300	0.00012	mg/L				0.41%
Pb .353	358.6	0.0592	0.00022	mg/L				0.38%
Sb .833	45.8	0.0039	0.00318	mg/L				82.12%
Se .026	-24.3	0.0022	0.00004	mg/L				1.74%
Sn 189.933	6345.3	0.5785	0.00394	mg/L				0.68%
Ti 334.941	916484.4	1.632	0.0001	mg/L				0.01%
Tl 190.800	-53.2	-0.0127	0.00137	mg/L				10.77%
V 292.402	25592.8	0.0965	0.00001	mg/L				0.01%
Zn 206.191	21855.8	0.2535	0.00138	mg/L				0.54%

Mean Data

ID: 526809D 1/2 Seq. No.: 89 Sample No.: 58 A/S Pos: 66
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 11:05:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
A 371.030	4200412.5	0.983	0.0033	mg/L				0.33%
Ag 328.068	-2701.8	-0.0047	0.00009	mg/L				1.83%
Al 308.215	1056171.2	49.99	0.035	mg/L				0.07%
As 188.979	-32.5	-0.0009	0.00110	mg/L				116.97%
B 249.773	10543.9	0.1025	0.00080	mg/L				0.78%
Ba 233.527	96213.4	0.8692	0.00576	mg/L				0.66%
Be 313.107	-6529.8	-0.0001	0.00001	mg/L				3.85%
Ca 315.887	20353826.2	119.6	1.15	mg/L				0.96%
Cd 226.502	300.3	0.0043	0.00001	mg/L				0.18%
Co 228.616	320.7	0.0189	0.00006	mg/L				0.33%
Cr 267.716	6505.4	0.0475	0.00016	mg/L				0.34%
Cu 324.754	13866.7	0.0469	0.00035	mg/L				0.75%
Fe 238.863	1384323.5	51.33	0.006	mg/L				0.01%
K 404.721	-1245.1	10.46	0.026	mg/L				0.25%
Mg 279.079	586789.3	22.75	0.115	mg/L				0.51%
Mn 257.610	575011.8	1.109	0.0004	mg/L				0.03%
Mo 202.030	30.3	0.0031	0.00007	mg/L				2.17%
Na .237	2351.8	1.321	0.0445	mg/L				3.36%
Ni ..604	1123.8	0.0306	0.00021	mg/L				0.70%
Pb 220.353	339.6	0.0562	0.00036	mg/L				0.65%
Sb 206.833	43.0	0.0028	0.00066	mg/L				23.80%
Se 196.026	-23.9	0.0024	0.00032	mg/L				13.55%

Sn 189.933	6311.8	0.5754	0.00116 mg/L		0.20%
Ti 334.941	957649.2	1.705	0.0015 mg/L		0.09%
Tl 190.800	-53.6	-0.0129	0.00002 mg/L		0.14%
V 402	26458.4	0.1000	0.00064 mg/L		0.64%
Zn .191	21455.4	0.2488	0.00042 mg/L		0.17%

Mean Data ----------

ID: 526809S 1/2 Seq. No.: 90 Sample No.: 59 A/S Pos: 67
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 11:11:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Cr 371.030	4257669.1	0.996	0.0080	mg/L				0.80%
Ag 328.068	1737.8	0.0184	0.00008	mg/L				0.43%
Al 308.215	1054040.1	49.89	0.034	mg/L				0.07%
As 188.979	5.8	0.0274	0.00069	mg/L				2.50%
B 249.773	47649.9	0.5346	0.01012	mg/L				1.89%
Ba 233.527	200650.4	1.813	0.0191	mg/L				1.05%
Be 313.107	153914.0	0.0235	0.00021	mg/L				0.91%
Ca 315.887	19896012.4	116.9	0.96	mg/L				0.82%
Cd 226.502	3096.1	0.0284	0.00025	mg/L				0.88%
Co 228.616	7605.1	0.2489	0.00292	mg/L				1.17%
Cr 267.716	18492.4	0.1330	0.00107	mg/L				0.80%
Cu 324.754	48583.4	0.1852	0.00222	mg/L				1.20%
Fe 238.863	1453610.1	53.90	0.028	mg/L				0.05%
K 404.721	-457.7	20.27	0.499	mg/L				2.46%
Mg 279.079	595995.5	23.11	0.236	mg/L				1.02%
Mn 257.610	670571.5	1.293	0.0004	mg/L				0.03%
Mo 202.030	3682.8	0.2233	0.00281	mg/L				1.26%
Na 330.237	9698.8	10.72	0.144	mg/L				1.34%
Ni 231.604	11567.9	0.2712	0.00261	mg/L				0.96%
Pb 220.353	1941.7	0.3190	0.00242	mg/L				0.76%
Sb 206.833	235.9	0.0782	0.00210	mg/L				2.68%
Se 196.026	1402.7	0.4591	0.00365	mg/L				0.80%
Sn .933	6420.2	0.5855	0.00379	mg/L				0.65%
Ti .941	1017671.1	1.812	0.0009	mg/L				0.05%
Tl 190.800	1779.5	0.9894	0.01034	mg/L				1.05%
V 292.402	82298.4	0.3227	0.00384	mg/L				1.19%
Zn 206.191	43677.8	0.5068	0.00477	mg/L				0.94%

Mean Data ----------

ID: 526809A 1/2 Seq. No.: 91 Sample No.: 60 A/S Pos: 68
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 11:16:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Cr 371.030	4191402.8	0.981	0.0022	mg/L				0.23%
Ag 328.068	6177.0	0.0415	0.00032	mg/L				0.78%
Al 308.215	1060342.8	50.19	0.056	mg/L				0.11%
As 188.979	36.6	0.0321	0.00082	mg/L				2.56%
B 249.773	92188.9	1.053	0.0182	mg/L				1.72%
Ba 233.527	309248.8	2.795	0.0272	mg/L				0.97%
Be 313.107	312386.6	0.0469	0.00043	mg/L				0.91%
Ca 315.887	20296004.0	119.3	0.30	mg/L				0.25%
Cd 226.502	5784.9	0.0516	0.00016	mg/L				0.30%
Co 228.616	14772.9	0.4752	0.00134	mg/L				0.28%
Cr 267.716	30564.3	0.2192	0.00212	mg/L				0.97%
Cu 324.754	74446.8	0.2882	0.00321	mg/L				1.11%
Fe 238.863	1307699.3	48.49	0.045	mg/L				0.09%
K 404.721	683.1	33.25	1.176	mg/L				3.54%
Mg 279.079	612828.8	23.76	0.224	mg/L				0.94%
Mn 257.610	761587.7	1.469	0.0007	mg/L				0.05%
Mo 202.030	7801.2	0.4716	0.00153	mg/L				0.32%
Na 330.237	16973.8	20.03	0.097	mg/L				0.49%
Ni 231.604	21471.6	0.4993	0.00170	mg/L				0.34%
Pb 220.353	3416.0	0.5610	0.00261	mg/L				0.46%
Sb .833	1178.9	0.4472	0.00125	mg/L				0.28%
Se .026	2842.1	0.9199	0.00045	mg/L				0.05%
Sn 189.933	6519.0	0.5947	0.00154	mg/L				0.26%
Ti 334.941	1145376.6	2.039	0.0044	mg/L				0.21%
Tl 190.800	3598.9	1.984	0.0076	mg/L				0.38%

292.402	139072.9	0.5492	0.00611	mg/L	1.11%
n 206.191	61838.0	0.7176	0.00740	mg/L	1.03%

et ata

D: 526809L 1/2 Seq. No.: 92 Sample No.: 61 A/S Pos: 69
ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 11:22:04 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4341353.6	1.016	0.0001	mg/L				0.01%
g 328.068	-2114.6	-0.0016	0.00004	mg/L				2.21%
l 308.215	203527.8	9.462	0.0020	mg/L				0.02%
s 188.979	-30.6	0.0000	0.00143	mg/L				>999.9%
249.773	4062.8	0.0271	0.00194	mg/L				7.17%
a 233.527	19250.2	0.1736	0.00021	mg/L				0.12%
e 313.107	-5425.3	0.0000	0.00001	mg/L				40.89%
a 315.887	4059525.2	23.85	0.003	mg/L				0.01%
d 226.502	-102.1	0.0008	0.00002	mg/L				2.95%
o 228.616	-146.8	0.0041	0.00013	mg/L				3.09%
r 267.716	907.3	0.0076	0.00009	mg/L				1.21%
u 324.754	4177.5	0.0083	0.00011	mg/L				1.39%
e 238.863	257904.3	9.581	0.0070	mg/L				0.07%
404.721	-1510.2	0.2945	0.33210	mg/L				112.78%
g 279.079	114666.6	4.472	0.0041	mg/L				0.09%
n 257.610	107315.0	0.2071	0.00018	mg/L				0.08%
o 202.030	-2.5	0.0011	0.00008	mg/L				7.09%
a 330.237	1370.1	0.0657	0.02652	mg/L				40.36%
i 231.604	33.9	0.0055	0.00018	mg/L				3.19%
b 220.353	92.3	0.0115	0.00029	mg/L				2.49%
b 206.833	44.5	0.0033	0.00035	mg/L				10.46%
e 196.026	-25.2	0.0019	0.00046	mg/L				23.92%
n 189.933	1610.3	0.1381	0.00020	mg/L				0.14%
i 334.941	175561.3	0.3134	0.00045	mg/L				0.14%
l .800	-28.6	0.0007	0.00029	mg/L				38.97%
402	6005.4	0.0184	0.00002	mg/L				0.09%
n 206.191	4398.1	0.0508	0.00005	mg/L				0.10%

lean Data

D: CRI Seq. No.: 93 Sample No.: 5 A/S Pos: 6
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 11:27:10 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4227025.9	0.989	0.0085	mg/L				0.85%
g 328.068	1646.5	0.0179	0.00014	mg/L				0.78%
l 308.215	4898.5	0.0205	0.00098	mg/L				4.76%
s 188.979	9.6	0.0192	0.00036	mg/L				1.87%
249.773	1919.5	0.0021	0.00073	mg/L				34.78%
a 233.527	83.4	0.0003	0.00006	mg/L				18.86%
e 313.107	62766.3	0.0101	0.00010	mg/L				0.95%
a 315.887	1745.1	0.0027	0.00446	mg/L				166.89%
d 226.502	1051.2	0.0108	0.00010	mg/L				0.97%
o 228.616	3077.7	0.1059	0.00074	mg/L				0.70%
r 267.716	2755.2	0.0208	0.00050	mg/L				2.41%
u 324.754	14544.8	0.0496	0.00058	mg/L				1.17%
Fe 238.863	-243.8	0.0124	0.00122	mg/L				9.82%
K 404.721	-1553.7	-0.2290	0.65514	mg/L				286.14%
Mg 279.079	-824.9	0.0006	0.00158	mg/L				265.37%
Mn 257.610	15798.4	0.0306	0.00037	mg/L				1.21%
Mo 202.030	-15.6	0.0003	0.00008	mg/L				25.15%
Na 330.237	1287.6	-0.0398	0.14044	mg/L				352.46%
Ni 231.604	3579.3	0.0872	0.00012	mg/L				0.14%
Pb 220.353	66.1	0.0072	0.00052	mg/L				7.17%
Sb 206.833	343.8	0.1205	0.00200	mg/L				1.66%
Se 196.026	6.2	0.0120	0.00032	mg/L				2.68%
S .933	94.8	-0.0029	0.00006	mg/L				2.06%
Ti 4.941	-269.7	0.0006	0.00010	mg/L				17.02%
Tl 190.800	18.1	0.0263	0.00103	mg/L				3.91%
V 292.402	25903.6	0.0978	0.00102	mg/L				1.04%
Zn 206.191	3721.3	0.0430	0.00048	mg/L				1.11%

Scan Data

ID: ICSA Seq. No.: 94 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 11:32:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3810806.6	0.891	0.0018	mg/L				0.20%
g 328.068	-4500.7	-0.0140	0.00006	mg/L				0.43%
l 308.215	10445617.8	496.3	2.04	mg/L				0.41%
s 188.979	-93.0	0.0046	0.00363	mg/L				79.84%
249.773	13694.0	0.1392	0.00110	mg/L				0.79%
a 233.527	-740.2	-0.0071	0.00011	mg/L				1.56%
e 313.107	-6565.7	-0.0001	0.00001	mg/L				4.32%
a 315.887	79693952.5	468.3	1.71	mg/L				0.36%
d 226.502	1538.0	0.0041	0.00004	mg/L				0.94%
o 228.616	-309.9	-0.0010	0.00008	mg/L				7.75%
r 267.716	816.0	0.0070	0.00005	mg/L				0.70%
u 324.754	-1171.2	-0.0018	0.00022	mg/L				12.63%
e 238.863	4964396.2	184.0	0.15	mg/L				0.08%
404.721	-3283.3	3.995	0.7054	mg/L				17.66%
g 279.079	12982344.6	502.7	1.92	mg/L				0.38%
n 257.610	-5042.9	0.0063	0.00009	mg/L				1.44%
o 202.030	30.1	0.0031	0.00048	mg/L				15.70%
a 330.237	1034.8	-0.2213	0.01456	mg/L				6.58%
i 231.604	-233.1	-0.0006	0.00022	mg/L				34.25%
b 220.353	-311.5	-0.0180	0.00175	mg/L				9.72%
b 206.833	33.5	-0.0010	0.00017	mg/L				17.42%
e 196.026	19.8	0.0073	0.00268	mg/L				36.86%
n 189.933	17235.6	-0.3372	0.00528	mg/L				1.57%
i 334.941	-4011.6	-0.0061	0.00006	mg/L				0.92%
l 190.800	-66.0	-0.0197	0.00031	mg/L				1.57%
292.402	11158.9	0.0390	0.00011	mg/L				0.28%
n 206.191	1709.9	0.0060	0.00007	mg/L				1.17%

Scan Data

ID: ICSAB Seq. No.: 95 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/11/02 11:38:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3746270.7	0.876	0.0059	mg/L				0.67%
g 328.068	208406.1	1.093	0.0085	mg/L				0.78%
l 308.215	10601124.9	503.7	3.85	mg/L				0.77%
s 188.979	-101.3	0.0012	0.00113	mg/L				98.54%
249.773	13934.2	0.1420	0.00078	mg/L				0.55%
a 233.527	59976.0	0.5417	0.00374	mg/L				0.69%
e 313.107	3477938.8	0.5138	0.00069	mg/L				0.13%
a 315.887	80938622.1	475.6	3.88	mg/L				0.82%
d 226.502	117576.9	1.005	0.0069	mg/L				0.69%
o 228.616	13831.4	0.4454	0.00157	mg/L				0.35%
r 267.716	68816.8	0.4920	0.00289	mg/L				0.59%
u 324.754	136928.7	0.5486	0.00648	mg/L				1.18%
e 238.863	5044827.2	187.0	0.22	mg/L				0.12%
404.721	-3524.8	1.498	0.1244	mg/L				8.31%
g 279.079	13185228.7	510.6	4.38	mg/L				0.86%
n 257.610	238864.0	0.4769	0.00363	mg/L				0.76%
o 202.030	24.7	0.0028	0.00035	mg/L				12.80%
a 330.237	1348.3	0.1824	0.00042	mg/L				0.23%
i 231.604	41427.8	0.9590	0.00892	mg/L				0.93%
b 220.353	6021.9	1.022	0.0032	mg/L				0.31%
b 206.833	41.6	0.0022	0.00120	mg/L				54.32%
e 196.026	22.6	0.0080	0.00366	mg/L				45.80%
n 189.933	17579.1	-0.3354	0.00682	mg/L				2.03%
i 334.941	-3920.7	-0.0059	0.00012	mg/L				2.01%
l 190.800	-73.8	-0.0240	0.00175	mg/L				7.29%
402	133362.1	0.5264	0.00316	mg/L				0.60%
n .191	84783.6	0.9702	0.00728	mg/L				0.75%

Mean Data

ID: CCV Seq. No.: 96 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 11:44:38 PM

	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
3[illegible].030	4205535.1	0.984	0.0084	mg/L				0.85%
g 328.068	93207.6	0.4940	0.00170	mg/L				0.34%
l 308.215	215748.8	10.04	0.010	mg/L				0.10%
s 188.979	1949.4	0.9464	0.00379	mg/L				0.40%
249.773	205307.2	2.370	0.0218	mg/L				0.92%
a 233.527	1161890.4	10.50	0.019	mg/L				0.18%
e 313.107	1730943.1	0.2561	0.00025	mg/L				0.10%
a 315.887	4350473.1	25.56	0.001	mg/L				0.01%
d 226.502	61303.6	0.5305	0.00066	mg/L				0.12%
o 228.616	77366.3	2.451	0.0084	mg/L				0.34%
r 267.716	69388.3	0.4961	0.00095	mg/L				0.19%
u 324.754	320915.0	1.270	0.0035	mg/L				0.28%
e 238.863	137320.9	5.111	0.0006	mg/L				0.01%
404.721	442.2	23.76	0.573	mg/L				2.41%
g 279.079	648093.5	25.13	0.003	mg/L				0.01%
n 257.610	375254.3	0.7237	0.00311	mg/L				0.43%
o 202.030	42594.5	2.569	0.0030	mg/L				0.12%
a 330.237	20010.3	23.91	0.131	mg/L				0.55%
i 231.604	90724.5	2.094	0.0053	mg/L				0.25%
b 220.353	3337.2	0.5440	0.00202	mg/L				0.37%
b 206.833	12045.0	4.699	0.0540	mg/L				1.15%
e 196.026	1568.5	0.5122	0.00420	mg/L				0.82%
n 189.933	56472.7	5.241	0.0290	mg/L				0.55%
i 334.941	1321759.3	2.353	0.0029	mg/L				0.12%
l 190.800	1998.7	1.109	0.0085	mg/L				0.76%
QC exceeds upper limit for Tl 190.800		Recovery = 110.93%		Action = Continue				
292.402	609701.9	2.426	0.0010	mg/L				0.04%
n 206.191	89232.5	1.036	0.0034	mg/L				0.32%

ean Data

D: [illegible]CB Seq. No.: 97 Sample No.: 9 A/S Pos: 5

a Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/11/02 11:49:46 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4262347.7	0.997	0.0020	mg/L				0.20%
g 328.068	-1750.7	0.0002	0.00026	mg/L				105.77%
l 308.215	5047.5	0.0276	0.00468	mg/L				16.98%
s 188.979	-26.2	0.0020	0.00160	mg/L				78.13%
249.773	5406.9	0.0427	0.01495	mg/L				35.01%
a 233.527	1109.0	0.0096	0.00448	mg/L				46.68%
e 313.107	-3656.6	0.0003	0.00010	mg/L				37.11%
a 315.887	6166.1	0.0286	0.01168	mg/L				40.77%
d 226.502	-147.1	0.0004	0.00020	mg/L				47.74%
o 228.616	-211.6	0.0021	0.00079	mg/L				38.25%
r 267.716	-41.0	0.0008	0.00017	mg/L				20.50%
u 324.754	2850.7	0.0030	0.00190	mg/L				63.52%
e 238.863	-157.2	0.0156	0.00491	mg/L				31.41%
404.721	-1469.1	0.7880	1.03533	mg/L				131.38%
g 279.079	-90.8	0.0290	0.00783	mg/L				26.98%
n 257.610	302.9	0.0007	0.00036	mg/L				48.30%
o 202.030	80.3	0.0061	0.00316	mg/L				51.73%
a 330.237	1354.5	0.0458	0.00571	mg/L				12.47%
i 231.604	-156.9	0.0011	0.00095	mg/L				84.63%
b 220.353	23.6	0.0003	0.00065	mg/L				254.17%
b 206.833	173.4	0.0538	0.02173	mg/L				40.39%
QC exceeds upper limit for Sb 206.833		Action = Continue						
e 196.026	-21.3	0.0032	0.00108	mg/L				33.68%
n 189.933	345.3	0.0204	0.00783	mg/L				38.29%
i 334.941	1971.2	0.0046	0.00221	mg/L				48.42%
l 190.800	-23.1	0.0038	0.00158	mg/L				41.81%
292.402	1917.1	0.0021	0.00098	mg/L				47.06%
r 206.191	150.0	0.0015	0.00065	mg/L				43.18%

Metals Cover Page

Instrument: Optima 2

Analyst: AP

Date: 2/8/02

Data File: 2feb02

Reviewed By: CH 2/13/02

Entered By: CH 2/13/02

Manager Approval: SDa 2/14/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems

Package Data:

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
✓ R10459	(Pkg 5) / ASP	Ag As Ba Cd Cr Mn Pb Se (TDS)		M2530071	(YES) / NO	(MARRS to LIMS) / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
✓ R10427	(Pkg 5) / ASP	Ag As Ba Cd Cr Mn Pb Se Zn		M2530077	(YES) / NO	(MARRS to LIMS) / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

.libration Summary
:t Method 6010B Date: 02/12/02 10:15:39 AM

.ement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

:thod: Method 6010B IEC: 012902.iec MSF:
:sults: 2feb12 Spectra Stored: Yes Method Stored: Yes
ımple Info: 6010b User: User1 Date: 02/12/02 10:15:39 AM
:thod Description: Optima 3000XL #2

:an Data
): IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 02/12/02 10:17:09 AM

lement	Mean Corr. Intensity	Std.Dev.	RSD
371.030	4263564.6	44464.52	1.04%

:an Data
D: Calib Blank 1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 02/12/02 10:18:39 AM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
371.030	4289092.5	35663.73	0.83%	1.006	mg/L
g 328.068	-2553.0	5.39	0.21%	0	mg/L
l 308.215	5261.9	110.56	2.10%	0	mg/L
s 188.979	-25.2	1.04	4.13%	0	mg/L
249.773	777.6	7.56	0.97%	0	mg/L
a 233.527	8.9	5.31	59.60%	0	mg/L
e [illegible].107	-5183.6	6.16	0.12%	0	mg/L
a [illegible].887	-3054.5	129.91	4.25%	0	mg/L
d [illegible].502	-217.1	3.68	1.70%	0	mg/L
o 228.616	-275.5	3.69	1.34%	0	mg/L
r 267.716	-53.6	4.18	7.80%	0	mg/L
u 324.754	1138.0	24.47	2.15%	0	mg/L
'e 238.863	-575.2	18.97	3.30%	0	mg/L
: 404.721	-2068.5	35.78	1.73%	0	mg/L
lg 279.079	-908.3	33.17	3.65%	0	mg/L
ln 257.610	-69.8	10.64	15.24%	0	mg/L
lo 202.030	-15.4	0.22	1.44%	0	mg/L
la 330.237	952.6	35.56	3.73%	0	mg/L
li 231.604	-285.9	2.81	0.98%	0	mg/L
'b 220.353	31.9	1.25	3.91%	0	mg/L
;b 206.833	46.4	2.32	5.00%	0	mg/L
;e 196.026	-31.0	1.55	4.99%	0	mg/L
;n 189.933	53.1	3.45	6.50%	0	mg/L
:i 334.941	-640.0	29.97	4.68%	0	mg/L
:l 190.800	-26.5	1.68	6.33%	0	mg/L
/ 292.402	1219.3	45.95	3.77%	0	mg/L
:n 206.191	27.0	4.12	15.25%	0	mg/L

Sdevito 2/12/02

lean Data
ID: Calib Std 1 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 02/12/02 10:23:55 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	4170898.8	10033.41	0.24%	0.978	mg/L
Ag 328.068	162976.9	1094.68	0.67%	1.0000	mg/L
Al 308.215	379040.9	2560.41	0.68%	20.0000	mg/L
As 188.979	2747.9	12.03	0.44%	2.0000	mg/L
B 249.773	328044.4	4835.28	1.47%	5.0000	mg/L
B[illegible].527	2138011.1	434.21	0.02%	20.0000	mg/L
Be [illegible]3.107	3338427.1	2205.03	0.07%	0.5000	mg/L
Ca 315.887	8173696.0	1641.59	0.02%	50.0000	mg/L
Cd 226.502	118122.4	562.47	0.48%	1.0000	mg/L
Co 228.616	118014.4	830.86	0.70%	5.0000	mg/L
Cr 267.716	115224.8	834.04	0.72%	1.0000	mg/L

u 324.754	598231.8	2977.25	0.50%	2.5000	mg/L
e 238.863	240396.1	1505.93	0.63%	10.0000	mg/L
/ '21	1392.7	24.28	1.74%	50.0000	mg/L
g .079	1177825.1	696.05	0.06%	50.0000	mg/L
n 257.610	558593.1	769.51	0.14%	1.5000	mg/L
o 202.030	87687.5	540.76	0.62%	5.0000	mg/L
a 330.237	38961.6	340.33	0.87%	50.0000	mg/L
i 231.604	165148.4	897.46	0.54%	4.0000	mg/L
b 220.353	6775.9	28.14	0.42%	1.0000	mg/L
b 206.833	18865.9	88.65	0.47%	10.0000	mg/L
e 196.026	2950.6	0.65	0.02%	1.0000	mg/L
n 189.933	101326.0	966.85	0.95%	10.0000	mg/L
i 334.941	2082543.9	204.39	0.01%	5.0000	mg/L
l 190.800	4100.6	21.67	0.53%	2.0000	mg/L
292.402	1020158.6	443.69	0.04%	5.0000	mg/L
n 206.191	164607.4	885.58	0.54%	2.0000	mg/L

alibration Summary

lethod: Method 6010B Date: 02/12/02 10:25:15 AM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
g 328.068	1	Linear	-2553.0	165530.0	0.00000	1.000000
l 308.215	1	Linear	5261.9	18688.9	0.00000	1.000000
s 188.979	1	Linear	-25.2	1386.5	0.00000	1.000000
249.773	1	Linear	777.6	65453.4	0.00000	1.000000
a 233.527	1	Linear	8.9	106900.1	0.00000	1.000000
e 313.107	1	Linear	-5183.6	6687221.6	0.00000	1.000000
a 315.887	1	Linear	-3054.5	163535.0	0.00000	1.000000
d 226.502	1	Linear	-217.1	118339.5	0.00000	1.000000
o 228.616	1	Linear	-275.5	23658.0	0.00000	1.000000
r 267.716	1	Linear	-53.6	115278.4	0.00000	1.000000
u 324.754	1	Linear	1138.0	238837.5	0.00000	1.000000
e .863	1	Linear	-575.2	24097.1	0.00000	1.000000
721	1	Linear	-2068.5	69.2	0.00000	1.000000
g .079	1	Linear	-908.3	23574.7	0.00000	1.000000
n 257.610	1	Linear	-69.8	372442.0	0.00000	1.000000
o 202.030	1	Linear	-15.4	17540.6	0.00000	1.000000
a 330.237	1	Linear	952.6	760.2	0.00000	1.000000
i 231.604	1	Linear	-285.9	41358.6	0.00000	1.000000
b 220.353	1	Linear	31.9	6744.0	0.00000	1.000000
b 206.833	1	Linear	46.4	1881.9	0.00000	1.000000
e 196.026	1	Linear	-31.0	2981.6	0.00000	1.000000
n 189.933	1	Linear	53.1	10127.3	0.00000	1.000000
i 334.941	1	Linear	-640.0	416636.8	0.00000	1.000000
l 190.800	1	Linear	-26.5	2063.5	0.00000	1.000000
292.402	1	Linear	1219.3	203787.9	0.00000	1.000000
n 206.191	1	Linear	27.0	82290.2	0.00000	1.000000

Mean Data

ID: HIGH CHECK Seq. No.: 4 Sample No.: 10 A/S Pos: 2

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/12/02 10:29:21 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4167290.3	0.977	0.0039	mg/L				0.40%
Ag 328.068	163718.9	1.004	0.0004	mg/L				0.04%
Al 308.215	378392.1	19.97	0.000	mg/L				0.00%
As 188.979	2790.5	2.031	0.0002	mg/L				0.01%
B 249.773	335266.4	5.110	0.0208	mg/L				0.41%
Ba 233.527	2129685.2	19.92	0.023	mg/L				0.12%
Be 313.107	3337724.6	0.4999	0.00471	mg/L				0.94%
Ca 315.887	8064219.3	49.33	0.456	mg/L				0.92%
Cd 226.502	118358.8	1.002	0.0000	mg/L				0.00%
Co 228.616	118513.1	5.021	0.0006	mg/L				0.01%
C 7.716	115766.7	1.005	0.0000	mg/L				0.00%
C 4.754	594951.4	2.486	0.0006	mg/L				0.02%
Fe 238.863	241970.8	10.07	0.000	mg/L				0.00%
K 404.721	1407.7	50.22	0.506	mg/L				1.01%
Mg 279.079	1175146.9	49.89	0.008	mg/L				0.02%
Mn 257.610	561619.1	1.508	0.0003	mg/L				0.02%

ɔ 202.030	87581.3	4.994	0.0077	mg/L	0.15%
a [illegible].237	38822.5	49.82	0.111	mg/L	0.22%
i 604	165198.8	4.001	0.0016	mg/L	0.04%
ɔ [illegible].353	6774.4	0.9998	0.00231	mg/L	0.23%
ɔ 206.833	19102.6	10.13	0.033	mg/L	0.33%
e 196.026	2954.0	1.001	0.0043	mg/L	0.43%
n 189.933	101229.8	9.991	0.0045	mg/L	0.05%
i 334.941	2098687.4	5.039	0.0035	mg/L	0.07%
l 190.800	4094.2	1.997	0.0108	mg/L	0.54%
292.402	1019850.0	4.998	0.0016	mg/L	0.03%
n 206.191	164732.4	2.002	0.0016	mg/L	0.08%

ean Data ----------

D: ICV Seq. No.: 5 Sample No.: 1 A/S Pos: 3
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 10:34:41 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4252602.6	0.997	0.0054	mg/L				0.54%
g 328.068	79896.1	0.4981	0.00423	mg/L				0.85%
l 308.215	192776.1	10.03	0.060	mg/L				0.59%
s 188.979	1402.3	1.030	0.0090	mg/L				0.87%
249.773	169006.9	2.570	0.0162	mg/L				0.63%
a 233.527	1108420.5	10.37	0.006	mg/L				0.06%
e 313.107	1675839.7	0.2514	0.00015	mg/L				0.06%
a 315.887	4115280.1	25.18	0.006	mg/L				0.02%
d 226.502	60294.2	0.5113	0.00412	mg/L				0.81%
o 228.616	61052.2	2.592	0.0133	mg/L				0.51%
r 267.716	59225.3	0.5142	0.00533	mg/L				1.04%
u 324.754	302381.2	1.261	0.0081	mg/L				0.64%
e 238.863	123774.0	5.160	0.0418	mg/L				0.81%
404.721	-539.7	22.08	0.730	mg/L				3.31%
QC exceeds lower limit for K 404.721		Recovery = 88.34%		Action = Continue				
g .079	592863.5	25.19	0.159	mg/L				0.63%
n .610	288177.7	0.7739	0.00397	mg/L				0.51%
o 202.030	42899.4	2.447	0.0149	mg/L				0.61%
a 330.237	19107.0	23.88	0.097	mg/L				0.41%
i 231.604	85727.5	2.080	0.0111	mg/L				0.53%
b 220.353	3464.6	0.5090	0.00174	mg/L				0.34%
b 206.833	9552.6	5.051	0.0082	mg/L				0.16%
e 196.026	1468.6	0.5030	0.00031	mg/L				0.06%
n 189.933	53385.0	5.266	0.0213	mg/L				0.40%
i 334.941	1040856.4	2.500	0.0107	mg/L				0.43%
l 190.800	2102.0	1.031	0.0033	mg/L				0.32%
292.402	518879.7	2.540	0.0007	mg/L				0.03%
n 206.191	84459.7	1.026	0.0059	mg/L				0.57%

ean Data ----------

D: ICB Seq. No.: 6 Sample No.: 3 A/S Pos: 1
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 10:39:46 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4272749.5	1.002	0.0074	mg/L				0.74%
Ag 328.068	-2371.4	0.0011	0.00009	mg/L				8.50%
Al 308.215	5269.8	0.0004	0.00511	mg/L				>999.9%
As 188.979	-22.5	0.0020	0.00087	mg/L				43.95%
B 249.773	2798.6	0.0309	0.00496	mg/L				16.07%
Ba 233.527	138.1	0.0012	0.00044	mg/L				36.22%
Be 313.107	-5011.8	0.0000	0.00003	mg/L				104.36%
Ca 315.887	-2095.4	0.0059	0.00128	mg/L				21.83%
Cd 226.502	-209.6	0.0001	0.00000	mg/L				1.93%
Co 228.616	-269.5	0.0003	0.00027	mg/L				106.08%
Cr 267.716	-40.7	0.0001	0.00008	mg/L				74.49%
Cu [illegible]4.754	1697.4	0.0023	0.00042	mg/L				18.11%
Fe [illegible].863	-505.5	0.0029	0.00020	mg/L				7.03%
K [illegible].721	-1988.5	1.157	1.2471	mg/L				107.81%
Mg 279.079	-816.6	0.0039	0.00010	mg/L				2.54%
Mn 257.610	-54.9	0.0000	0.00004	mg/L				94.05%
Mo 202.030	26.6	0.0024	0.00069	mg/L				28.82%
Na 330.237	1085.1	0.1743	0.09674	mg/L				55.51%

. 231.604	-273.7	0.0003	0.00019	mg/L	65.15%
220.353	33.5	0.0002	0.00058	mg/L	251.00%
833	106.7	0.0320	0.00826	mg/L	25.82%
C eeds upper limit for Sb 206.833 Action = Continue					
196.026	-24.7	0.0021	0.00152	mg/L	71.74%
189.933	269.8	0.0214	0.00392	mg/L	18.31%
. 334.941	-104.9	0.0013	0.00049	mg/L	38.31%
. 190.800	-24.4	0.0010	0.00045	mg/L	43.99%
292.402	1293.4	0.0004	0.00048	mg/L	131.98%
206.191	56.7	0.0004	0.00014	mg/L	39.09%

an Data ----------

): CRI Seq. No.: 7 Sample No.: 5 A/S Pos: 6
mple Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 10:44:49 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4432108.0	1.040	0.0054	mg/L				0.52%
g 328.068	766.5	0.0201	0.00047	mg/L				2.34%
l 308.215	5062.4	-0.0107	0.00124	mg/L				11.66%
s 188.979	4.1	0.0211	0.00211	mg/L				9.99%
249.773	1828.6	0.0161	0.00071	mg/L				4.41%
a 233.527	46.4	0.0004	0.00004	mg/L				11.23%
e 313.107	59291.5	0.0096	0.00003	mg/L				0.32%
a 315.887	1211.0	0.0261	0.00055	mg/L				2.09%
d 226.502	991.3	0.0102	0.00010	mg/L				0.97%
o 228.616	2299.1	0.1088	0.00093	mg/L				0.86%
r 267.716	2287.3	0.0203	0.00000	mg/L				0.01%
u 324.754	12826.7	0.0489	0.00027	mg/L				0.54%
e 238.863	-461.1	0.0047	0.00048	mg/L				10.20%
404.721	-1958.0	1.596	0.4860	mg/L				30.45%
g 279.079	-851.8	0.0024	0.00106	mg/L				44.27%
n 257.610	11693.4	0.0316	0.00004	mg/L				0.13%
o .030	-3.1	0.0007	0.00010	mg/L				14.10%
a .237	980.8	0.0371	0.07738	mg/L				208.83%
i .604	3205.3	0.0844	0.00027	mg/L				0.32%
b 220.353	71.6	0.0059	0.00060	mg/L				10.26%
b 206.833	293.6	0.1313	0.00157	mg/L				1.20%
e 196.026	3.0	0.0114	0.00093	mg/L				8.12%
n 189.933	158.7	0.0104	0.00024	mg/L				2.31%
i 334.941	-443.0	0.0005	0.00011	mg/L				23.77%
l 190.800	19.3	0.0222	0.00024	mg/L				1.10%
292.402	21583.9	0.0999	0.00052	mg/L				0.52%
n 206.191	3384.6	0.0408	0.00026	mg/L				0.65%

lean Data ----------

D: ICSA Seq. No.: 8 Sample No.: 6 A/S Pos: 7
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 10:50:27 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3818798.0	0.896	0.0021	mg/L				0.24%
g 328.068	-5355.2	-0.0169	0.00018	mg/L				1.09%
l 308.215	9504657.2	508.3	1.47	mg/L				0.29%
s 188.979	-85.1	-0.0079	0.00025	mg/L				3.21%
249.773	11014.4	0.1564	0.00013	mg/L				0.08%
a 233.527	-263.5	-0.0025	0.00012	mg/L				4.61%
e 313.107	-6275.1	-0.0002	0.00000	mg/L				2.68%
a 315.887	76743559.4	469.3	1.14	mg/L				0.24%
d 226.502	1156.6	0.0004	0.00014	mg/L				31.45%
o 228.616	-329.8	-0.0023	0.00021	mg/L				8.98%
r 267.716	1150.2	0.0104	0.00005	mg/L				0.52%
u 324.754	-2142.0	-0.0022	0.00021	mg/L				9.72%
Fe 238.863	4555023.0	189.1	0.38	mg/L				0.20%
K 404.721	-3902.3	-0.7916	1.70119	mg/L				214.92%
M .079	12079667.1	512.4	1.29	mg/L				0.25%
Mn .610	-7590.8	-0.0039	0.00010	mg/L				2.64%
Mo 202.030	39.4	0.0031	0.00025	mg/L				7.97%
Na 330.237	823.0	-0.0105	0.02450	mg/L				234.40%
Ni 231.604	-285.8	0.0000	0.00019	mg/L				>999.9%
Pb 220.353	-262.3	-0.0060	0.00044	mg/L				7.42%

Sb 206.833	44.9	-0.0008	0.00081	mg/L	101.97%
Se 196.026	15.0	0.0062	0.00407	mg/L	65.76%
Sn [illegible]9.933	17378.1	-0.2553	0.00202	mg/L	0.79%
Ti [illegible].941	-3897.2	-0.0078	0.00006	mg/L	0.77%
Tl [illegible].800	-63.0	-0.0177	0.00249	mg/L	14.09%
V 292.402	12579.2	0.0557	0.00031	mg/L	0.56%
Zn 206.191	1551.4	0.0046	0.00025	mg/L	5.37%

Mean Data

ID: ICSAB Seq. No.: 9 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 10:56:34 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3881645.6	0.910	0.0082	mg/L				0.90%
Ag 328.068	178066.5	1.091	0.0137	mg/L				1.25%
Al 308.215	9371486.3	501.2	4.64	mg/L				0.93%
As 188.979	-85.3	-0.0080	0.00126	mg/L				15.69%
B 249.773	10854.9	0.1540	0.00186	mg/L				1.21%
Ba 233.527	56284.6	0.5264	0.00662	mg/L				1.26%
Be 313.107	3322249.4	0.4976	0.00003	mg/L				0.01%
Ca 315.887	75496545.6	461.7	4.12	mg/L				0.89%
Cd 226.502	112256.5	0.9393	0.01098	mg/L				1.17%
Co 228.616	10751.2	0.4661	0.00510	mg/L				1.10%
Cr 267.716	58329.4	0.5065	0.00700	mg/L				1.38%
Cu 324.754	123564.0	0.5241	0.00648	mg/L				1.24%
Fe 238.863	4542518.6	188.5	0.19	mg/L				0.10%
K 404.721	-3901.8	-0.8541	1.97998	mg/L				231.81%
Mg 279.079	11893025.2	504.5	4.87	mg/L				0.96%
Mn 257.610	179916.3	0.4995	0.00827	mg/L				1.66%
Mo 202.030	30.2	0.0026	0.00010	mg/L				3.99%
Na 330.237	1034.7	0.2752	0.06589	mg/L				23.94%
Ni 231.604	37742.9	0.9195	0.00896	mg/L				0.97%
Pb 220.353	6147.5	0.9439	0.00820	mg/L				0.87%
Sb [illegible].833	41.2	-0.0028	0.00088	mg/L				31.94%
Se [illegible].026	7.0	0.0037	0.00342	mg/L				93.22%
Sn 189.933	17059.1	-0.2564	0.00407	mg/L				1.59%
Ti 334.941	-3735.3	-0.0074	0.00019	mg/L				2.60%
Tl 190.800	-63.6	-0.0180	0.00010	mg/L				0.56%
V 292.402	114855.9	0.5576	0.00855	mg/L				1.53%
Zn 206.191	78027.2	0.9342	0.01362	mg/L				1.46%

Mean Data

ID: CCV Seq. No.: 10 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 11:02:17 AM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4280170.0	1.004	0.0014	mg/L				0.14%
Ag 328.068	80593.0	0.5023	0.00090	mg/L				0.18%
Al 308.215	193813.1	10.09	0.001	mg/L				0.01%
As 188.979	1443.4	1.059	0.0004	mg/L				0.04%
B 249.773	168742.3	2.566	0.0259	mg/L				1.01%
Ba 233.527	1106394.9	10.35	0.005	mg/L				0.05%
Be 313.107	1674518.4	0.2512	0.00001	mg/L				0.00%
Ca 315.887	4125411.4	25.25	0.004	mg/L				0.01%
Cd 226.502	59851.7	0.5076	0.00060	mg/L				0.12%
Co 228.616	61915.0	2.629	0.0040	mg/L				0.15%
Cr 267.716	59950.4	0.5205	0.00093	mg/L				0.18%
Cu 324.754	300621.3	1.254	0.0026	mg/L				0.21%
Fe 238.863	124243.6	5.180	0.0057	mg/L				0.11%
K 404.721	-458.0	23.26	0.132	mg/L				0.57%
Mg 279.079	593918.4	25.23	0.010	mg/L				0.04%
Mn 257.610	293761.7	0.7889	0.00234	mg/L				0.30%
Mo 202.030	42382.2	2.417	0.0069	mg/L				0.28%
Na [illegible]0.237	19016.5	23.76	0.080	mg/L				0.34%
Ni [illegible]1.604	85416.7	2.072	0.0040	mg/L				0.19%
Pb [illegible]20.353	3429.8	0.5038	0.00161	mg/L				0.32%
Sb 206.833	9683.1	5.121	0.0103	mg/L				0.20%
Se 196.026	1465.7	0.5020	0.00446	mg/L				0.89%
Sn 189.933	52776.8	5.206	0.0226	mg/L				0.43%

i 334.941	1064776.2	2.557	0.0003 mg/L		0.01%
l 190.800	2071.6	1.017	0.0053 mg/L		0.52%
2[illegible] 402	523391.0	2.562	0.0051 mg/L		0.20%
n 191	83801.1	1.018	0.0000 mg/L		0.00%

ean Data ----------

D: CCB Seq. No.: 11 Sample No.: 4 A/S Pos: 1
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 11:07:22 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4333687.1	1.016	0.0007	mg/L				0.07%
g 328.068	-2265.1	0.0017	0.00031	mg/L				18.06%
l 308.215	5113.7	-0.0079	0.00335	mg/L				42.21%
s 188.979	-29.2	-0.0029	0.00132	mg/L				45.61%
249.773	2272.4	0.0228	0.00427	mg/L				18.68%
a 233.527	117.6	0.0010	0.00050	mg/L				49.56%
e 313.107	-4868.4	0.0000	0.00001	mg/L				21.91%
a 315.887	-1415.1	0.0100	0.00227	mg/L				22.67%
d 226.502	-204.5	0.0001	0.00007	mg/L				63.56%
o 228.616	-270.6	0.0002	0.00020	mg/L				98.05%
r 267.716	-39.9	0.0001	0.00001	mg/L				4.91%
u 324.754	1608.7	0.0020	0.00039	mg/L				19.68%
e 238.863	-436.2	0.0058	0.00079	mg/L				13.73%
404.721	-1956.8	1.614	0.2419	mg/L				14.98%
g 279.079	-758.9	0.0063	0.00348	mg/L				54.85%
n 257.610	-100.0	-0.0001	0.00004	mg/L				52.21%
o 202.030	15.1	0.0017	0.00079	mg/L				45.49%
a 330.237	1036.7	0.1106	0.00126	mg/L				1.14%
i 231.604	-270.9	0.0004	0.00012	mg/L				34.44%
b 220.353	30.7	-0.0002	0.00018	mg/L				98.69%
b 206.833	95.4	0.0260	0.00494	mg/L				18.98%
QC exceeds upper limit for Sb 206.833		Action = Continue						
e [illegible]6.026	-23.7	0.0025	0.00139	mg/L				56.48%
n .933	202.4	0.0147	0.00341	mg/L				23.10%
i .941	-227.8	0.0010	0.00045	mg/L				45.79%
l 190.800	-25.8	0.0003	0.00030	mg/L				90.17%
292.402	1226.8	0.0000	0.00015	mg/L				404.97%
n 206.191	51.0	0.0003	0.00007	mg/L				23.67%

lean Data ----------

D: 526789 1/2 Seq. No.: 12 Sample No.: 1 A/S Pos: 9
ample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/12/02 11:12:34 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3993719.3	0.937	0.0675	mg/L				7.20%
g 328.068	-3587.4	-0.0062	0.00097	mg/L				15.58%
l 308.215	882295.6	46.93	4.270	mg/L				9.10%
s 188.979	-40.7	0.0045	0.00102	mg/L				22.92%
249.773	9751.5	0.1371	0.01232	mg/L				8.99%
a 233.527	93763.2	0.8770	0.07876	mg/L				8.98%
e 313.107	-10405.1	-0.0008	0.00013	mg/L				16.78%
a 315.887	16655580.4	101.9	9.64	mg/L				9.47%
d 226.502	511.0	0.0035	0.00327	mg/L				92.54%
o 228.616	287.6	0.0238	0.00148	mg/L				6.20%
r 267.716	15134.1	0.1317	0.01220	mg/L				9.26%
u 324.754	21062.7	0.0834	0.00836	mg/L				10.02%
e 238.863	2010238.5	83.45	7.394	mg/L				8.86%
404.721	-2993.0	-2.012	1.2364	mg/L				61.46%
g 279.079	523700.2	22.25	1.980	mg/L				8.90%
n 257.610	575935.2	1.547	0.1383	mg/L				8.94%
o 202.030	223.0	0.0136	0.00086	mg/L				6.33%
a 330.237	2519.0	2.061	0.2822	mg/L				13.70%
i 231.604	1479.4	0.0427	0.00358	mg/L				8.39%
b [illegible].353	3270.3	0.4840	0.04471	mg/L				9.24%
b [illegible].833	61.8	0.0081	0.00644	mg/L				79.00%
e [illegible]6.026	-28.9	0.0007	0.00110	mg/L				156.29%
n 189.933	6208.0	0.6078	0.05355	mg/L				8.81%
i 334.941	832723.2	2.000	0.1767	mg/L				8.84%
l 190.800	-56.1	-0.0143	0.00312	mg/L				21.73%

V 292.402	25239.7	0.1179	0.01027	mg/L	8.72%
Zn 206.191	143824.1	1.747	0.1538	mg/L	8.80%

Re ata

ID. 526790 1/2 Seq. No.: 13 Sample No.: 2 A/S Pos: 10
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/12/02 11:17:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ca 371.030	4258958.2	0.999	0.0122	mg/L				1.22%
Ag 328.068	-3300.5	-0.0045	0.00003	mg/L				0.70%
Al 308.215	1153625.6	61.45	0.043	mg/L				0.07%
As 188.979	-99.1	-0.0418	0.00076	mg/L				1.81%
B 249.773	10159.2	0.1433	0.00121	mg/L				0.84%
Ba 233.527	146562.4	1.371	0.0002	mg/L				0.01%
Be 313.107	-17158.2	-0.0018	0.00001	mg/L				0.44%
Ca 315.887	19254035.9	117.8	1.04	mg/L				0.89%
Cd 226.502	309.7	0.0045	0.00001	mg/L				0.20%
Co 228.616	533.7	0.0342	0.00003	mg/L				0.08%
Cr 267.716	185134.0	1.606	0.0008	mg/L				0.05%
Cu 324.754	35428.4	0.1436	0.00003	mg/L				0.02%
Fe 238.863	1470950.2	61.07	0.023	mg/L				0.04%
K 404.721	-1791.1	12.31	1.409	mg/L				11.45%
Mg 279.079	667283.2	28.34	0.001	mg/L				0.00%
Mn 257.610	540248.8	1.451	0.0011	mg/L				0.08%
Mo 202.030	3688.1	0.2111	0.00299	mg/L				1.42%
Na 330.237	10092.2	12.02	0.160	mg/L				1.33%
Ni 231.604	1172.3	0.0353	0.00036	mg/L				1.03%
Pb 220.353	95797.0	14.21	0.020	mg/L				0.14%
Sb 206.833	165.9	0.0635	0.00253	mg/L				3.99%
Se 196.026	-22.1	0.0030	0.00319	mg/L				106.44%
Sn 189.933	7092.1	0.6951	0.00819	mg/L				1.18%
Ti 334.941	1268877.2	3.047	0.0013	mg/L				0.04%
Tl 190.800	-48.9	-0.0109	0.00056	mg/L				5.12%
V 292.402	24482.4	0.1142	0.00033	mg/L				0.29%
Zn 206.191	38994.2	0.4735	0.00087	mg/L				0.18%

use original 1/10 CL 2/13/02

Mean Data

ID: 526791 1/2 Seq. No.: 14 Sample No.: 3 A/S Pos: 11
Sample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/12/02 11:23:21 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Ca 371.030	4196269.4	0.984	0.0003	mg/L				0.03%
Ag 328.068	-3287.1	-0.0044	0.00009	mg/L				1.95%
Al 308.215	1147816.0	61.14	0.060	mg/L				0.10%
As 188.979	-87.7	-0.0344	0.00181	mg/L				5.26%
B 249.773	9553.4	0.1341	0.00035	mg/L				0.26%
Ba 233.527	146093.1	1.367	0.0003	mg/L				0.02%
Be 313.107	-15521.5	-0.0015	0.00001	mg/L				0.67%
Ca 315.887	19617436.6	120.0	0.81	mg/L				0.68%
Cd 226.502	295.3	0.0043	0.00001	mg/L				0.18%
Co 228.616	529.5	0.0340	0.00036	mg/L				1.05%
Cr 267.716	194103.6	1.684	0.0017	mg/L				0.10%
Cu 324.754	34733.7	0.1407	0.00006	mg/L				0.04%
Fe 238.863	1369254.1	56.85	0.023	mg/L				0.04%
K 404.721	-1692.3	13.16	2.005	mg/L				15.24%
Mg 279.079	675318.5	28.68	0.037	mg/L				0.13%
Mn 257.610	545534.5	1.465	0.0041	mg/L				0.28%
Mo 202.030	3597.7	0.2060	0.00008	mg/L				0.04%
Na 330.237	10380.9	12.40	0.001	mg/L				0.01%
Ni 231.604	1222.2	0.0365	0.00019	mg/L				0.52%
Pb 220.353	102090.1	15.14	0.016	mg/L				0.10%
Sb 206.833	120.2	0.0392	0.00069	mg/L				1.77%
Se 196.026	-22.3	0.0029	0.00025	mg/L				8.71%
Sn 189.933	7187.6	0.7045	0.00106	mg/L				0.15%
Ti 334.941	1205914.9	2.896	0.0067	mg/L				0.23%
Tl 190.800	-47.9	-0.0104	0.00031	mg/L				2.95%
V 292.402	21276.8	0.0984	0.00014	mg/L				0.14%
Zn 206.191	38471.3	0.4672	0.00122	mg/L				0.26%

use original 1/10 CL 2/13/02

Mean Data

ID: 526799 1/2 Seq. No.: 15 Sample No.: 4 A/S Pos: 12
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/12/02 11:28:48 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4212587.0	0.988	0.0036	mg/L				0.37%
Ag 328.068	-2991.0	-0.0026	0.00007	mg/L				2.65%
Al 308.215	1043559.0	55.56	0.321	mg/L				0.58%
As 188.979	-48.7	-0.0039	0.00029	mg/L				7.37%
B 249.773	8990.2	0.1255	0.00056	mg/L				0.45%
Ba 233.527	91069.4	0.8518	0.00583	mg/L				0.68%
Be 313.107	-9243.4	-0.0006	0.00001	mg/L				0.83%
Ca 315.887	19598412.9	119.9	0.58	mg/L				0.48%
Cd 226.502	549.4	0.0065	0.00008	mg/L				1.22%
Co 228.616	238.1	0.0217	0.00004	mg/L				0.19%
Cr 267.716	8074.2	0.0705	0.00063	mg/L				0.89%
Cu 324.754	12471.4	0.0475	0.00010	mg/L				0.20%
Fe 238.863	1679190.1	69.71	0.532	mg/L				0.76%
K 404.721	-1966.9	10.94	0.721	mg/L				6.59%
Mg 279.079	558821.0	23.74	0.218	mg/L				0.92%
Mn 257.610	426104.6	1.144	0.0094	mg/L				0.82%
Mo 202.030	27.4	0.0024	0.00034	mg/L				14.02%
Na 330.237	6277.9	7.005	0.0500	mg/L				0.71%
Ni 231.604	1207.1	0.0361	0.00026	mg/L				0.72%
Pb 220.353	268.3	0.0396	0.00031	mg/L				0.80%
Sb 206.833	43.5	-0.0015	0.00062	mg/L				39.95%
Se 196.026	-33.5	-0.0008	0.00132	mg/L				161.30%
Sn 189.933	6349.7	0.6217	0.00447	mg/L				0.72%
Ti 334.941	861571.8	2.069	0.0159	mg/L				0.77%
Tl 190.800	-47.3	-0.0101	0.00008	mg/L				0.77%
V 292.402	29238.6	0.1375	0.00163	mg/L				1.19%
Zn 206.191	1274826.1	15.49	0.118	mg/L				0.76%

Mean Data

ID: 526800 1/2 Seq. No.: 16 Sample No.: 5 A/S Pos: 13
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/12/02 11:34:15 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4201984.6	0.986	0.0078	mg/L				0.79%
Ag 328.068	-3244.0	-0.0042	0.00042	mg/L				10.16%
Al 308.215	1169927.1	62.32	0.180	mg/L				0.29%
As 188.979	-39.3	0.0016	0.00252	mg/L				158.48%
B 249.773	9468.1	0.1328	0.00051	mg/L				0.38%
Ba 233.527	120502.1	1.127	0.0012	mg/L				0.11%
Be 313.107	-6540.3	-0.0002	0.00000	mg/L				0.41%
Ca 315.887	23566770.7	144.1	0.53	mg/L				0.37%
Cd 226.502	309.4	0.0044	0.00002	mg/L				0.49%
Co 228.616	308.9	0.0247	0.00015	mg/L				0.59%
Cr 267.716	5768.7	0.0505	0.00029	mg/L				0.57%
Cu 324.754	16067.2	0.0625	0.00042	mg/L				0.67%
Fe 238.863	1511187.2	62.74	0.049	mg/L				0.08%
K 404.721	-1596.1	15.35	0.763	mg/L				4.97%
Mg 279.079	695990.9	29.56	0.011	mg/L				0.04%
Mn 257.610	528870.2	1.420	0.0036	mg/L				0.26%
Mo 202.030	11.0	0.0015	0.00000	mg/L				0.15%
Na 330.237	5471.2	5.944	0.0232	mg/L				0.39%
Ni 231.604	1271.0	0.0376	0.00036	mg/L				0.97%
Pb 220.353	366.3	0.0546	0.00138	mg/L				2.53%
Sb 206.833	42.0	-0.0023	0.00008	mg/L				3.23%
Se 196.026	-27.5	0.0012	0.00005	mg/L				4.18%
Sn 189.933	7231.7	0.7088	0.00543	mg/L				0.77%
Ti 334.941	856954.9	2.058	0.0032	mg/L				0.15%
Tl 190.800	-52.9	-0.0128	0.00145	mg/L				11.36%
V 292.402	29631.0	0.1394	0.00012	mg/L				0.08%
Zn 206.191	955929.3	11.62	0.013	mg/L				0.11%

Mean Data

ID: 526801 1/2 Seq. No.: 17 Sample No.: 6 A/S Pos: 14
Sample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

Data: Original Date: 02/12/02 11:39:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4298168.9	1.008	0.0017	mg/L				0.17%
Ag 328.068	-3328.1	-0.0047	0.00011	mg/L				2.32%
Al 308.215	1151934.5	61.36	0.006	mg/L				0.01%
As 188.979	-38.1	0.0018	0.00071	mg/L				39.21%
B 249.773	10329.4	0.1459	0.00006	mg/L				0.04%
Ba 233.527	142764.4	1.335	0.0012	mg/L				0.09%
Be 313.107	-7761.9	-0.0004	0.00000	mg/L				0.82%
Ca 315.887	20980231.7	128.3	0.95	mg/L				0.74%
Cd 226.502	424.1	0.0054	0.00002	mg/L				0.39%
Co 228.616	351.4	0.0265	0.00004	mg/L				0.14%
Cr 267.716	6068.5	0.0531	0.00054	mg/L				1.02%
Cu 324.754	11390.1	0.0429	0.00022	mg/L				0.50%
Fe 238.863	1430368.4	59.38	0.057	mg/L				0.10%
K 404.721	-1713.2	13.20	0.073	mg/L				0.56%
Mg 279.079	664677.0	28.23	0.043	mg/L				0.15%
Mn 257.610	780856.1	2.097	0.0034	mg/L				0.16%
Mo 202.030	23.2	0.0022	0.00005	mg/L				2.09%
Na 330.237	8536.9	9.977	0.0826	mg/L				0.83%
Ni 231.604	1128.9	0.0342	0.00009	mg/L				0.25%
Pb 220.353	901.1	0.1339	0.00064	mg/L				0.47%
Sb 206.833	43.2	-0.0017	0.00008	mg/L				4.35%
Se 196.026	-15.5	0.0052	0.00044	mg/L				8.52%
Sn 189.933	7009.0	0.6868	0.00411	mg/L				0.60%
Ti 334.941	893629.6	2.146	0.0038	mg/L				0.18%
Tl 190.800	-62.3	-0.0174	0.00026	mg/L				1.47%
V 292.402	30482.6	0.1436	0.00012	mg/L				0.09%
Zn 206.191	231285.1	2.810	0.0060	mg/L				0.21%

Mean Data

ID: 526802 1/2 Seq. No.: 18 Sample No.: 7 A/S Pos: 15

Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

Data: Original Date: 02/12/02 11:45:05 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4245351.8	0.996	0.0174	mg/L				1.75%
Ag 328.068	-3431.0	-0.0053	0.00008	mg/L				1.45%
Al 308.215	1414257.9	75.39	1.019	mg/L				1.35%
As 188.979	-41.4	0.0007	0.00195	mg/L				264.41%
B 249.773	9402.0	0.1318	0.00196	mg/L				1.49%
Ba 233.527	131256.3	1.228	0.0176	mg/L				1.44%
Be 313.107	-5368.9	0.0000	0.00001	mg/L				21.34%
Ca 315.887	15454734.9	94.52	1.680	mg/L				1.78%
Cd 226.502	298.0	0.0044	0.00006	mg/L				1.38%
Co 228.616	415.9	0.0292	0.00047	mg/L				1.62%
Cr 267.716	5549.3	0.0486	0.00113	mg/L				2.33%
Cu 324.754	12699.5	0.0484	0.00108	mg/L				2.23%
Fe 238.863	1594178.0	66.18	1.086	mg/L				1.64%
K 404.721	-1797.4	12.91	0.174	mg/L				1.34%
Mg 279.079	773904.1	32.87	0.506	mg/L				1.54%
Mn 257.610	677212.9	1.818	0.0291	mg/L				1.60%
Mo 202.030	13.4	0.0016	0.00003	mg/L				2.10%
Na 330.237	5927.2	6.544	0.1563	mg/L				2.39%
Ni 231.604	1362.8	0.0399	0.00079	mg/L				1.99%
Pb 220.353	304.7	0.0466	0.00066	mg/L				1.41%
Sb 206.833	39.9	-0.0035	0.00014	mg/L				4.06%
Se 196.026	-21.9	0.0031	0.00201	mg/L				65.57%
Sn 189.933	7702.7	0.7553	0.01454	mg/L				1.92%
Ti 334.941	961778.5	2.310	0.0373	mg/L				1.62%
Tl 190.800	-59.3	-0.0159	0.00147	mg/L				9.24%
V 292.402	32002.6	0.1511	0.00327	mg/L				2.17%
Zn 206.191	27379.5	0.3324	0.00704	mg/L				2.12%

M Data

I. 26804 1/2 Seq. No.: 19 Sample No.: 8 A/S Pos: 16

Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

Data: Original Date: 02/12/02 11:50:25 AM

Element	Mean Corr.	Mean	Calib	Mean	Sample

Element	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
Y 371.030	4256223.7	0.998	0.0080	mg/L				0.81%
Ag 328.068	-3314.5	-0.0046	0.00020	mg/L				4.44%
Al 308.215	1346088.3	71.74	0.015	mg/L				0.02%
As 188.979	-36.4	0.0037	0.00360	mg/L				97.24%
B 249.773	9019.8	0.1259	0.00044	mg/L				0.35%
Ba 233.527	116649.1	1.091	0.0008	mg/L				0.08%
Be 313.107	-4379.1	0.0001	0.00001	mg/L				10.42%
Ca 315.887	14991087.2	91.69	0.222	mg/L				0.24%
Cd 226.502	265.7	0.0041	0.00010	mg/L				2.35%
Co 228.616	383.9	0.0279	0.00008	mg/L				0.28%
Cr 267.716	5405.5	0.0474	0.00033	mg/L				0.69%
Cu 324.754	12238.3	0.0465	0.00021	mg/L				0.46%
Fe 238.863	1515474.0	62.91	0.035	mg/L				0.06%
K 404.721	-1789.0	12.59	0.016	mg/L				0.12%
Mg 279.079	741803.1	31.50	0.001	mg/L				0.00%
Mn 257.610	646315.9	1.736	0.0007	mg/L				0.04%
Mo 202.030	8.5	0.0014	0.00038	mg/L				28.11%
Na 330.237	5792.1	6.366	0.0313	mg/L				0.49%
Ni 231.604	1294.3	0.0382	0.00048	mg/L				1.26%
Pb 220.353	304.4	0.0462	0.00093	mg/L				2.01%
Sb 206.833	42.5	-0.0021	0.00202	mg/L				96.41%
Se 196.026	-15.0	0.0054	0.00297	mg/L				55.33%
Sn 189.933	7580.3	0.7433	0.00459	mg/L				0.62%
Ti 334.941	872437.2	2.096	0.0012	mg/L				0.06%
Tl 190.800	-57.9	-0.0152	0.00056	mg/L				3.70%
V 292.402	30274.6	0.1426	0.00023	mg/L				0.16%
Zn 206.191	36156.9	0.4391	0.00034	mg/L				0.08%

2nd analysis OK to report CK 2/13/02

Mean Data

ID: 526805 1/2 Seq. No.: 20 Sample No.: 9 A/S Pos: 17
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/12/02 11:55:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4287255.9	1.006	0.0013	mg/L				0.13%
Ag 328.068	-3327.5	-0.0047	0.00007	mg/L				1.44%
Al 308.215	1199409.4	63.90	0.431	mg/L				0.67%
As 188.979	-35.4	0.0039	0.00194	mg/L				49.65%
B 249.773	9755.7	0.1372	0.00007	mg/L				0.05%
Ba 233.527	125835.6	1.177	0.0065	mg/L				0.55%
Be 313.107	-6134.2	-0.0001	0.00002	mg/L				11.51%
Ca 315.887	16284767.0	99.60	0.062	mg/L				0.06%
Cd 226.502	367.9	0.0049	0.00001	mg/L				0.14%
Co 228.616	332.6	0.0257	0.00016	mg/L				0.63%
Cr 267.716	16714.9	0.1455	0.00005	mg/L				0.03%
Cu 324.754	12048.0	0.0457	0.00037	mg/L				0.82%
Fe 238.863	1447604.5	60.10	0.279	mg/L				0.46%
K 404.721	-1851.8	11.30	1.015	mg/L				8.98%
Mg 279.079	690040.7	29.31	0.143	mg/L				0.49%
Mn 257.610	597317.0	1.604	0.0082	mg/L				0.51%
Mo 202.030	21.5	0.0021	0.00005	mg/L				2.22%
Na 330.237	6178.5	6.875	0.0203	mg/L				0.30%
Ni 231.604	1204.2	0.0360	0.00002	mg/L				0.07%
Pb 220.353	3220.2	0.4779	0.00124	mg/L				0.26%
Sb 206.833	46.7	0.0001	0.00182	mg/L				>999.9%
Se 196.026	-12.6	0.0062	0.00243	mg/L				39.35%
Sn 189.933	7216.2	0.7073	0.00013	mg/L				0.02%
Ti 334.941	870105.9	2.090	0.0100	mg/L				0.48%
Tl 190.800	-53.5	-0.0131	0.00096	mg/L				7.33%
V 292.402	29610.9	0.1393	0.00019	mg/L				0.14%
Zn 206.191	132241.0	1.607	0.0090	mg/L				0.56%

2nd analysis OK to report CK 2/13/02

Mean Data

ID: 526805L 1/2 Seq. No.: 21 Sample No.: 10 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/12/02 12:00:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4495710.9	1.054	0.0006	mg/L				0.06%
Ag 328.068	-2561.0	0.0000	0.00018	mg/L				371.39%

Al 308.215	232633.2	12.17	0.103	mg/L	0.85%
As 188.979	-26.2	-0.0007	0.00066	mg/L	98.65%
B 773	2681.6	0.0291	0.00019	mg/L	0.65%
Ba .527	24760.9	0.2315	0.00103	mg/L	0.45%
Be .107	-5227.0	0.0000	0.00000	mg/L	76.73%
Ca 315.887	3169602.3	19.40	0.009	mg/L	0.05%
Cd 226.502	-84.1	0.0011	0.00001	mg/L	0.75%
Co 228.616	-136.6	0.0059	0.00001	mg/L	0.12%
Cr 267.716	3206.1	0.0283	0.00034	mg/L	1.21%
Cu 324.754	3303.4	0.0091	0.00003	mg/L	0.29%
Fe 238.863	284653.6	11.84	0.061	mg/L	0.51%
K 404.721	-1977.4	1.316	0.0915	mg/L	6.95%
Mg 279.079	133435.8	5.699	0.0331	mg/L	0.58%
Mn 257.610	116825.5	0.3139	0.00185	mg/L	0.59%
Mo 202.030	-6.0	0.0005	0.00012	mg/L	22.77%
Na 330.237	1915.5	1.267	0.0393	mg/L	3.10%
Ni 231.604	30.5	0.0076	0.00006	mg/L	0.82%
Pb 220.353	654.5	0.0923	0.00073	mg/L	0.79%
Sb 206.833	43.1	-0.0018	0.00037	mg/L	21.31%
Se 196.026	-16.7	0.0048	0.00327	mg/L	68.39%
Sn 189.933	2005.5	0.1928	0.00001	mg/L	0.00%
Ti 334.941	166395.5	0.4009	0.00296	mg/L	0.74%
Tl 190.800	-29.7	-0.0016	0.00018	mg/L	11.49%
V 292.402	6628.9	0.0265	0.00018	mg/L	0.68%
Zn 206.191	26506.6	0.3218	0.00233	mg/L	0.73%

Mean Data ----------

ID: CCV Seq. No.: 22 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:06:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Al 371.030	4291536.1	1.007	0.0009	mg/L				0.08%
Ag 328.068	80374.1	0.5010	0.00353	mg/L				0.70%
Al .215	192146.8	10.000	0.0742	mg/L				0.74%
As .979	1447.4	1.062	0.0053	mg/L				0.50%
B 249.773	168614.9	2.564	0.0414	mg/L				1.61%
Ba 233.527	1105732.7	10.34	0.005	mg/L				0.05%
Be 313.107	1672071.2	0.2508	0.00000	mg/L				0.00%
Ca 315.887	4117832.8	25.20	0.005	mg/L				0.02%
Cd 226.502	59726.8	0.5065	0.00345	mg/L				0.68%
Co 228.616	61754.8	2.622	0.0168	mg/L				0.64%
Cr 267.716	59842.3	0.5196	0.00317	mg/L				0.61%
Cu 324.754	300063.7	1.252	0.0100	mg/L				0.80%
Fe 238.863	123474.9	5.148	0.0373	mg/L				0.72%
K 404.721	-514.0	22.46	1.133	mg/L				5.05%
*QC exceeds lower limit for K 404.721		Recovery = 89.82%		Action = Continue				
Mg 279.079	595371.7	25.29	0.012	mg/L				0.05%
Mn 257.610	292597.7	0.7858	0.00528	mg/L				0.67%
Mo 202.030	42133.8	2.403	0.0197	mg/L				0.82%
Na 330.237	18829.3	23.52	0.119	mg/L				0.50%
Ni 231.604	85144.9	2.066	0.0136	mg/L				0.66%
Pb 220.353	3430.7	0.5040	0.00119	mg/L				0.24%
Sb 206.833	9695.1	5.127	0.0022	mg/L				0.04%
Se 196.026	1461.2	0.5005	0.00184	mg/L				0.37%
Sn 189.933	52846.1	5.213	0.0627	mg/L				1.20%
Ti 334.941	1070032.2	2.570	0.0020	mg/L				0.08%
Tl 190.800	2072.5	1.017	0.0013	mg/L				0.13%
V 292.402	530270.3	2.596	0.0008	mg/L				0.03%
Zn 206.191	83625.4	1.016	0.0091	mg/L				0.90%

Mean Data ----------

ID: CCB Seq. No.: 23 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:11:20 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Al 371.030	4309111.2	1.011	0.0040	mg/L				0.40%
Ag 328.068	-2363.2	0.0011	0.00021	mg/L				18.71%
Al 308.215	5131.0	-0.0070	0.00185	mg/L				26.41%
As 188.979	-26.7	-0.0011	0.00029	mg/L				26.15%

249.773	1910.3	0.0173	0.00399	mg/L	23.04%
a 233.527	148.4	0.0013	0.00056	mg/L	42.95%
e .107	-4917.4	0.0000	0.00001	mg/L	36.77%
a .887	-1327.4	0.0106	0.00309	mg/L	29.29%
d 226.502	-199.8	0.0001	0.00003	mg/L	20.50%
o 228.616	-266.6	0.0004	0.00004	mg/L	9.80%
r 267.716	-40.4	0.0001	0.00004	mg/L	37.68%
u 324.754	1490.7	0.0015	0.00027	mg/L	18.30%
e 238.863	-434.1	0.0059	0.00082	mg/L	14.03%
404.721	-2059.0	0.1379	0.10430	mg/L	75.63%
g 279.079	-795.1	0.0048	0.00082	mg/L	17.15%
n 257.610	-30.4	0.0001	0.00008	mg/L	77.72%
o 202.030	17.8	0.0019	0.00053	mg/L	27.79%
a 330.237	1066.1	0.1494	0.11368	mg/L	76.11%
i 231.604	-265.7	0.0005	0.00018	mg/L	37.54%
b 220.353	33.3	0.0002	0.00069	mg/L	331.12%
b 206.833	89.9	0.0231	0.00488	mg/L	21.12%
QC exceeds upper limit for Sb 206.833			Action = Continue		
e 196.026	-26.5	0.0015	0.00026	mg/L	17.31%
n 189.933	199.9	0.0145	0.00333	mg/L	22.96%
i 334.941	-109.4	0.0013	0.00049	mg/L	38.36%
l 190.800	-26.0	0.0003	0.00121	mg/L	482.66%
292.402	1332.7	0.0006	0.00030	mg/L	53.48%
n 206.191	114.3	0.0011	0.00018	mg/L	16.69%

lean Data ----------

ID: PBS-M2530077 Seq. No.: 24 Sample No.: 11 A/S Pos: 19
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:16:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4385508.6	1.029	0.0159	mg/L				1.55%
Ag 328.068	-2393.7	0.0010	0.00008	mg/L				8.02%
Al 9.215	5176.5	-0.0046	0.00628	mg/L				137.42%
.979	-32.2	-0.0050	0.00172	mg/L				34.25%
.773	1528.1	0.0115	0.00068	mg/L				5.97%
Ba 233.527	38.6	0.0003	0.00001	mg/L				1.81%
Be 313.107	-4939.3	0.0000	0.00001	mg/L				29.51%
Ca 315.887	-1311.3	0.0107	0.00051	mg/L				4.80%
Cd 226.502	-202.5	0.0001	0.00005	mg/L				42.35%
Co 228.616	-271.1	0.0002	0.00003	mg/L				13.87%
Cr 267.716	42.7	0.0008	0.00000	mg/L				0.05%
Cu 324.754	1492.5	0.0015	0.00027	mg/L				18.34%
Fe 238.863	-422.2	0.0063	0.00019	mg/L				2.95%
K 404.721	-2078.0	-0.1364	1.00138	mg/L				734.17%
Mg 279.079	-774.4	0.0057	0.00194	mg/L				34.12%
Mn 257.610	-182.1	-0.0003	0.00000	mg/L				0.09%
Mo 202.030	-4.7	0.0006	0.00009	mg/L				14.62%
Na 330.237	1416.8	0.6107	0.12240	mg/L				20.04%
Ni 231.604	-281.6	0.0001	0.00028	mg/L				263.72%
Pb 220.353	34.8	0.0004	0.00034	mg/L				79.46%
Sb 206.833	63.2	0.0089	0.00153	mg/L				17.18%
Se 196.026	-16.3	0.0049	0.00161	mg/L				32.72%
Sn 189.933	262.7	0.0207	0.00028	mg/L				1.36%
Ti 334.941	-391.2	0.0006	0.00012	mg/L				19.79%
Tl 190.800	-29.2	-0.0013	0.00021	mg/L				15.92%
V 292.402	1192.3	-0.0001	0.00005	mg/L				39.51%
Zn 206.191	192.6	0.0020	0.00001	mg/L				0.58%

Mean Data ----------

ID: LCSS-M2530077 Seq. No.: 25 Sample No.: 12 A/S Pos: 20
Sample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:21:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y .030	4288009.2	1.006	0.0052	mg/L				0.52%
A .8.068	157522.9	0.9671	0.00608	mg/L				0.63%
Al 308.215	1019598.4	54.27	0.074	mg/L				0.14%
As 188.979	2927.5	2.148	0.0192	mg/L				0.89%
B 249.773	36876.0	0.5515	0.00589	mg/L				1.07%
Ba 233.527	206072.2	1.928	0.0155	mg/L				0.81%

Be 313.107	3281879.0	0.4915	0.00019	mg/L	0.04%
Ca 315.887	18111111.1	110.8	0.09	mg/L	0.08%
Cd [illegible].502	83395.2	0.7006	0.00668	mg/L	0.95%
Co [illegible].616	58447.7	2.482	0.0118	mg/L	0.47%
Cr [illegible]7.716	180368.3	1.565	0.0108	mg/L	0.69%
Cu 324.754	241883.6	1.008	0.0068	mg/L	0.67%
Fe 238.863	2418544.6	100.4	0.03	mg/L	0.03%
K 404.721	-1836.8	16.99	0.669	mg/L	3.94%
Mg 279.079	589677.1	25.05	0.217	mg/L	0.87%
Mn 257.610	1534083.3	4.119	0.0018	mg/L	0.04%
Mo 202.030	8423.9	0.4811	0.00389	mg/L	0.81%
Na 330.237	9200.5	10.85	0.106	mg/L	0.98%
Ni 231.604	34414.8	0.8390	0.00645	mg/L	0.77%
Pb 220.353	8673.0	1.286	0.0101	mg/L	0.78%
Sb 206.833	467.5	0.2238	0.00125	mg/L	0.56%
Se 196.026	4652.4	1.571	0.0107	mg/L	0.68%
Sn 189.933	15480.4	1.523	0.0123	mg/L	0.81%
Ti 334.941	647488.8	1.556	0.0005	mg/L	0.03%
Tl 190.800	1742.9	0.8575	0.00750	mg/L	0.87%
V 292.402	372048.0	1.820	0.0122	mg/L	0.67%
Zn 206.191	234187.1	2.846	0.0267	mg/L	0.94%

Mean Data ----------

ID: 526394 1/500 Seq. No.: 26 Sample No.: 13 A/S Pos: 21

Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 500.0

Data: Original Date: 02/12/02 12:27:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4409747.4	1.034	0.0051	mg/L				0.50%
Ag 328.068	-2275.3	0.0017	0.00060	mg/L				35.83%
Al 308.215	5183.9	-0.0042	0.00395	mg/L				94.70%
As 188.979	-26.4	-0.0008	0.00215	mg/L				264.00%
B 249.773	1408.0	0.0096	0.00065	mg/L				6.76%
Ba [illegible]3.527	18.8	0.0001	0.00005	mg/L				54.88%
B [illegible].107	-4681.3	0.0001	0.00003	mg/L				33.67%
Ca [illegible]5.887	-358.2	0.0165	0.00587	mg/L				35.59%
Cd 226.502	-172.3	0.0004	0.00007	mg/L				17.36%
Co 228.616	-258.6	0.0007	0.00021	mg/L				29.42%
Cr 267.716	-7.6	0.0004	0.00007	mg/L				18.41%
Cu 324.754	1509.5	0.0016	0.00008	mg/L				5.42%
Fe 238.863	76155.5	3.184	0.0125	mg/L				0.39%
K 404.721	-2117.5	-0.7081	0.26064	mg/L				36.81%
Mg 279.079	-601.2	0.0130	0.00120	mg/L				9.18%
Mn 257.610	6932.4	0.0188	0.00034	mg/L				1.81%
Mo 202.030	-11.8	0.0002	0.00017	mg/L				80.16%
Na 330.237	1349.5	0.5221	0.13670	mg/L				26.18%
Ni 231.604	-196.8	0.0022	0.00000	mg/L				0.22%
Pb 220.353	30.3	-0.0002	0.00043	mg/L				177.82%
Sb 206.833	48.1	0.0009	0.00080	mg/L				93.52%
Se 196.026	-30.7	0.0001	0.00086	mg/L				807.15%
Sn 189.933	41.9	-0.0011	0.00023	mg/L				21.09%
Ti 334.941	-445.1	0.0005	0.00005	mg/L				11.21%
Tl 190.800	-26.2	0.0001	0.00038	mg/L				280.52%
V 292.402	1398.4	0.0009	0.00011	mg/L				12.38%
Zn 206.191	180643.3	2.195	0.0043	mg/L				0.20%

Mean Data ----------

ID: 526394L 1/500 Seq. No.: 27 Sample No.: 14 A/S Pos: 22

Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 500.0

Data: Original Date: 02/12/02 12:32:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	4394274.8	1.031	0.0024	mg/L				0.23%
Ag 328.068	-2329.2	0.0014	0.00038	mg/L				27.74%
Al 308.215	5116.6	-0.0078	0.00118	mg/L				15.17%
A [illegible]8.979	-25.6	-0.0003	0.00051	mg/L				193.43%
B [illegible].773	1143.6	0.0056	0.00012	mg/L				2.07%
Ba 233.527	9.4	0.0000	0.00010	mg/L				>999.9%
Be 313.107	-5128.6	0.0000	0.00002	mg/L				221.96%
Ca 315.887	-3793.0	-0.0045	0.00138	mg/L				30.59%
Cd 226.502	-196.7	0.0002	0.00004	mg/L				22.64%

:o 228.616	-265.0	0.0004	0.00011 mg/L		25.33%
:r 267.716	-81.5	-0.0002	0.00001 mg/L		4.56%
:u .754	1346.0	0.0009	0.00013 mg/L		15.14%
'e .863	14288.5	0.6168	0.00739 mg/L		1.20%
: 4v4.721	-1997.7	1.024	0.3104 mg/L		30.32%
lg 279.079	-778.1	0.0055	0.00191 mg/L		34.52%
ln 257.610	1020.3	0.0029	0.00001 mg/L		0.23%
lo 202.030	-14.0	0.0001	0.00006 mg/L		80.21%
la 330.237	1014.9	0.0820	0.01293 mg/L		15.77%
li 231.604	-251.8	0.0008	0.00018 mg/L		21.93%
'b 220.353	28.3	-0.0005	0.00015 mg/L		28.36%
:b 206.833	47.3	0.0004	0.00318 mg/L		722.87%
:e 196.026	-28.4	0.0009	0.00068 mg/L		79.52%
:n 189.933	35.6	-0.0017	0.00012 mg/L		6.78%
:i 334.941	-539.4	0.0002	0.00004 mg/L		18.45%
:l 190.800	-24.3	0.0011	0.00164 mg/L		153.65%
' 292.402	1213.3	0.0000	0.00006 mg/L		216.49%
:n 206.191	33493.4	0.4067	0.00457 mg/L		1.12%

lean Data ----------

:D: CRI Seq. No.: 28 Sample No.: 5 A/S Pos: 6
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:37:23 PM

:lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
' 371.030	4373767.9	1.026	0.0039	mg/L				0.38%
ag 328.068	817.6	0.0204	0.00007	mg/L				0.36%
al 308.215	5073.9	-0.0101	0.00249	mg/L				24.75%
as 188.979	5.4	0.0221	0.00198	mg/L				8.97%
3 249.773	1148.3	0.0057	0.00037	mg/L				6.51%
ba 233.527	34.9	0.0002	0.00001	mg/L				3.55%
be 313.107	60020.3	0.0098	0.00010	mg/L				0.99%
:a 315.887	-90.4	0.0181	0.00042	mg/L				2.34%
:d 226.502	1010.2	0.0104	0.00002	mg/L				0.18%
:c .616	2353.7	0.1111	0.00022	mg/L				0.20%
:r .716	2381.0	0.0211	0.00015	mg/L				0.71%
:u 324.754	12935.3	0.0494	0.00051	mg/L				1.04%
fe 238.863	-420.8	0.0064	0.00267	mg/L				41.70%
' 404.721	-2092.3	-0.3440	0.78763	mg/L				228.98%
lg 279.079	-883.4	0.0011	0.00071	mg/L				67.24%
ln 257.610	12005.2	0.0324	0.00030	mg/L				0.92%
lo 202.030	-15.0	0.0000	0.00003	mg/L				134.05%
la 330.237	1044.4	0.1208	0.00519	mg/L				4.30%
li 231.604	3251.8	0.0855	0.00041	mg/L				0.47%
pb 220.353	72.3	0.0060	0.00005	mg/L				0.91%
sb 206.833	286.2	0.1274	0.00244	mg/L				1.91%
se 196.026	3.8	0.0117	0.00110	mg/L				9.45%
sn 189.933	77.8	0.0024	0.00029	mg/L				11.91%
ti 334.941	-551.7	0.0002	0.00001	mg/L				6.37%
tl 190.800	18.3	0.0217	0.00047	mg/L				2.17%
v 292.402	22117.2	0.1025	0.00120	mg/L				1.17%
zn 206.191	3540.4	0.0427	0.00046	mg/L				1.09%

lean Data ----------

ID: ICSA Seq. No.: 29 Sample No.: 6 A/S Pos: 7
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:42:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3803390.4	0.892	0.0062	mg/L				0.69%
Ag 328.068	-5246.6	-0.0163	0.00014	mg/L				0.85%
Al 308.215	9542021.8	510.3	3.61	mg/L				0.71%
As 188.979	-75.0	0.0000	0.00180	mg/L				>999.9%
B 249.773	10641.4	0.1507	0.00134	mg/L				0.89%
Ba 233.527	-310.9	-0.0030	0.00011	mg/L				3.63%
Be 313.107	-6215.4	-0.0002	0.00002	mg/L				12.61%
Ca 315.887	76971827.7	470.7	2.97	mg/L				0.63%
Cd 226.502	1168.3	0.0004	0.00006	mg/L				17.81%
Co 228.616	-326.9	-0.0022	0.00004	mg/L				1.92%
Cr 267.716	1118.4	0.0102	0.00001	mg/L				0.11%
Cu 324.754	-2152.7	-0.0020	0.00051	mg/L				25.23%

e 238.863	4622090.0	191.8	0.17 mg/L		0.09%
404.721	-4046.6	-2.498	1.1031 mg/L		44.17%
g 079	12137842.1	514.9	3.33 mg/L		0.65%
n .610	-7523.0	-0.0035	0.00035 mg/L		10.17%
o 202.030	29.7	0.0026	0.00017 mg/L		6.55%
a 330.237	845.3	0.0278	0.00630 mg/L		22.65%
i 231.604	-285.9	0.0000	0.00013 mg/L		>999.9%
b 220.353	-263.9	-0.0061	0.00049 mg/L		7.95%
b 206.833	35.5	-0.0058	0.00444 mg/L		76.59%
e 196.026	20.3	0.0079	0.00286 mg/L		36.19%
n 189.933	17397.9	-0.2628	0.00095 mg/L		0.36%
i 334.941	-3907.5	-0.0078	0.00008 mg/L		1.07%
l 190.800	-62.6	-0.0175	0.00093 mg/L		5.31%
292.402	12744.9	0.0566	0.00086 mg/L		1.51%
n 206.191	1612.0	0.0053	0.00004 mg/L		0.80%

ean Data ----------

D: ICSAB Seq. No.: 30 Sample No.: 7 A/S Pos: 8
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:49:06 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3884887.1	0.911	0.0078	mg/L				0.86%
g 328.068	177483.0	1.088	0.0152	mg/L				1.39%
l 308.215	9348640.9	499.9	4.29	mg/L				0.86%
s 188.979	-89.7	-0.0113	0.00477	mg/L				42.21%
249.773	10436.3	0.1476	0.00176	mg/L				1.19%
a 233.527	55915.6	0.5230	0.00571	mg/L				1.09%
e 313.107	3294711.2	0.4935	0.00075	mg/L				0.15%
a 315.887	75355974.9	460.8	4.41	mg/L				0.96%
d 226.502	111921.0	0.9365	0.01297	mg/L				1.38%
o 228.616	10709.2	0.4643	0.00453	mg/L				0.98%
r 267.716	57986.6	0.5035	0.00579	mg/L				1.15%
u .754	123519.0	0.5239	0.00944	mg/L				1.80%
e .863	4530958.7	188.1	0.43	mg/L				0.23%
404.721	-4009.3	-2.473	1.0050	mg/L				40.63%
lg 279.079	11880770.1	504.0	5.05	mg/L				1.00%
n 257.610	178402.4	0.4954	0.00571	mg/L				1.15%
o 202.030	29.4	0.0026	0.00029	mg/L				11.20%
a 330.237	1018.3	0.2528	0.00996	mg/L				3.94%
i 231.604	37730.5	0.9192	0.00923	mg/L				1.00%
b 220.353	6145.5	0.9435	0.01054	mg/L				1.12%
b 206.833	38.4	-0.0042	0.00271	mg/L				63.88%
e 196.026	23.9	0.0093	0.00159	mg/L				17.06%
n 189.933	17035.4	-0.2568	0.00340	mg/L				1.32%
i 334.941	-3671.4	-0.0073	0.00009	mg/L				1.29%
l 190.800	-59.7	-0.0161	0.00369	mg/L				22.95%
292.402	114430.5	0.5555	0.00654	mg/L				1.18%
n 206.191	77696.0	0.9302	0.01283	mg/L				1.38%

lean Data ----------

ID: CCV Seq. No.: 31 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:54:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4271674.4	1.002	0.0026	mg/L				0.26%
Ag 328.068	80399.7	0.5011	0.00147	mg/L				0.29%
Al 308.215	193370.6	10.07	0.060	mg/L				0.60%
As 188.979	1438.3	1.056	0.0049	mg/L				0.47%
B 249.773	168284.4	2.559	0.0080	mg/L				0.31%
Ba 233.527	1106035.1	10.35	0.007	mg/L				0.07%
Be 313.107	1673130.0	0.2510	0.00007	mg/L				0.03%
Ca 315.887	4126104.9	25.25	0.031	mg/L				0.12%
Cd 226.502	60107.6	0.5098	0.00018	mg/L				0.04%
C .616	61643.2	2.617	0.0093	mg/L				0.36%
Cr .716	59912.9	0.5202	0.00183	mg/L				0.35%
Cu 324.754	300599.0	1.254	0.0035	mg/L				0.28%
Fe 238.863	124423.2	5.187	0.0261	mg/L				0.50%
K 404.721	-534.1	22.17	0.038	mg/L				0.17%

*QC exceeds lower limit for K 404.721 Recovery = 88.66% Action = Continue

g 279.079	596137.1	25.33	0.027	mg/L	0.11%
n 257.610	291794.3	0.7836	0.00333	mg/L	0.43%
o .030	42426.5	2.420	0.0007	mg/L	0.03%
a .237	19049.9	23.81	0.205	mg/L	0.86%
i 231.604	85414.9	2.072	0.0026	mg/L	0.13%
b 220.353	3435.7	0.5047	0.00310	mg/L	0.61%
b 206.833	9644.8	5.100	0.0522	mg/L	1.02%
e 196.026	1455.2	0.4985	0.00134	mg/L	0.27%
n 189.933	52923.6	5.221	0.0121	mg/L	0.23%
i 334.941	1063498.3	2.554	0.0059	mg/L	0.23%
l 190.800	2077.3	1.019	0.0119	mg/L	1.17%
292.402	528667.4	2.588	0.0021	mg/L	0.08%
n 206.191	83918.3	1.019	0.0012	mg/L	0.12%

ean Data ----------

D: CCB Seq. No.: 32 Sample No.: 4 A/S Pos: 1
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 12:59:54 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4324130.9	1.014	0.0063	mg/L				0.62%
g 328.068	-2337.4	0.0013	0.00024	mg/L				18.57%
l 308.215	5174.7	-0.0047	0.00190	mg/L				40.72%
s 188.979	-26.5	-0.0009	0.00018	mg/L				19.06%
249.773	1981.2	0.0184	0.00427	mg/L				23.24%
a 233.527	131.4	0.0011	0.00051	mg/L				44.88%
e 313.107	-4871.6	0.0000	0.00002	mg/L				48.05%
a 315.887	-1247.9	0.0110	0.00239	mg/L				21.66%
d 226.502	-198.1	0.0002	0.00003	mg/L				19.85%
o 228.616	-258.0	0.0007	0.00022	mg/L				29.88%
r 267.716	-47.4	0.0001	0.00011	mg/L				203.17%
u 324.754	1524.1	0.0016	0.00068	mg/L				42.20%
e 238.863	-414.5	0.0067	0.00090	mg/L				13.44%
721	-2086.6	-0.2607	0.88623	mg/L				339.96%
g .079	-726.8	0.0077	0.00189	mg/L				24.49%
n .610	-91.2	-0.0001	0.00005	mg/L				80.79%
o 202.030	16.1	0.0018	0.00063	mg/L				35.20%
a 330.237	1078.7	0.1658	0.08363	mg/L				50.43%
i 231.604	-260.8	0.0006	0.00012	mg/L				19.14%
b 220.353	33.8	0.0003	0.00019	mg/L				69.04%
b 206.833	93.3	0.0249	0.00620	mg/L				24.92%
QC exceeds upper limit for Sb 206.833 Action = Continue								
e 196.026	-26.5	0.0015	0.00061	mg/L				40.24%
n 189.933	195.5	0.0141	0.00249	mg/L				17.72%
i 334.941	-193.2	0.0011	0.00042	mg/L				38.96%
l 190.800	-25.2	0.0006	0.00038	mg/L				60.17%
292.402	1333.3	0.0006	0.00067	mg/L				119.66%
n 206.191	80.5	0.0007	0.00018	mg/L				27.99%

lean Data ----------

D: 526394 1/10 Seq. No.: 33 Sample No.: 15 A/S Pos: 23
ample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/12/02 1:05:07 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4311275.1	1.011	0.0120	mg/L				1.19%
g 328.068	-3920.0	-0.0083	0.00062	mg/L				7.47%
l 308.215	5719.3	0.0245	0.00362	mg/L				14.79%
s 188.979	-68.4	-0.0028	0.00223	mg/L				79.00%
249.773	8459.3	0.1174	0.00097	mg/L				0.83%
a 233.527	-339.9	-0.0033	0.00001	mg/L				0.35%
e 313.107	-5276.8	0.0000	0.00000	mg/L				27.93%
a 315.887	84200.1	0.5336	0.00960	mg/L				1.80%
d 226.502	1169.2	0.0028	0.00010	mg/L				3.68%
o 228.616	-122.8	0.0065	0.00018	mg/L				2.82%
r 267.716	1806.9	0.0161	0.00014	mg/L				0.84%
u 324.754	409.6	-0.0030	0.00002	mg/L				0.56%
e 238.863	3647616.3	151.4	0.26	mg/L				0.17%
K 404.721	-3424.2	0.9966	1.15631	mg/L				116.02%
Mg 279.079	9227.6	0.4299	0.00891	mg/L				2.07%
Mn 257.610	343488.9	0.9355	0.01516	mg/L				1.62%

o 202.030	-71.2	-0.0032	0.00005 mg/L		1.51%
a 330.237	21295.7	27.34	0.531 mg/L		1.94%
i .604	2883.9	0.0766	0.00115 mg/L		1.50%
b .353	84.2	0.0077	0.00012 mg/L		1.60%
b 206.833	51.1	0.0025	0.00276 mg/L		111.38%
e 196.026	-31.1	0.0000	0.00231 mg/L		>999.9%
n 189.933	263.2	0.0208	0.00073 mg/L		3.51%
i 334.941	-29.9	0.0015	0.00003 mg/L		2.23%
l 190.800	-44.8	-0.0089	0.00008 mg/L		0.89%
292.402	9475.9	0.0405	0.00103 mg/L		2.55%
n 206.191	7151167.7	86.90	0.392 mg/L		0.45%

lean Data ----------

D: 526394L 1/10 Seq. No.: 34 Sample No.: 16 A/S Pos: 24
ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/12/02 1:10:17 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4269722.4	1.001	0.0006	mg/L				0.06%
g 328.068	-2687.1	-0.0008	0.00016	mg/L				19.67%
l 308.215	5416.4	0.0083	0.00078	mg/L				9.40%
s 188.979	-34.3	-0.0066	0.00348	mg/L				52.97%
249.773	2593.9	0.0278	0.00048	mg/L				1.72%
a 233.527	-62.3	-0.0007	0.00005	mg/L				7.49%
e 313.107	-5258.8	0.0000	0.00001	mg/L				49.95%
a 315.887	13332.7	0.1002	0.00157	mg/L				1.57%
d 226.502	52.5	0.0023	0.00007	mg/L				3.26%
o 228.616	-246.1	0.0012	0.00011	mg/L				8.73%
r 267.716	277.1	0.0029	0.00007	mg/L				2.58%
u 324.754	1144.1	0.0000	0.00016	mg/L				633.94%
e 238.863	738258.8	30.66	0.002	mg/L				0.01%
404.721	-2395.0	-0.5484	0.27434	mg/L				50.03%
g 279.079	1166.7	0.0880	0.00162	mg/L				1.84%
n 257.610	68006.4	0.1828	0.00148	mg/L				0.81%
.030	-27.9	-0.0007	0.00012	mg/L				16.87%
a .237	5087.5	5.439	0.0401	mg/L				0.74%
i 231.604	357.4	0.0156	0.00017	mg/L				1.07%
b 220.353	39.0	0.0011	0.00068	mg/L				64.79%
b 206.833	49.9	0.0018	0.00199	mg/L				108.59%
e 196.026	-32.6	-0.0005	0.00131	mg/L				247.05%
n 189.933	82.7	0.0029	0.00040	mg/L				13.61%
i 334.941	-509.9	0.0003	0.00001	mg/L				2.48%
l 190.800	-33.0	-0.0031	0.00012	mg/L				3.77%
292.402	2820.7	0.0079	0.00001	mg/L				0.18%
n 206.191	1696039.3	20.61	0.034	mg/L				0.17%

lean Data ----------

ID: 999991 Seq. No.: 35 Sample No.: 17 A/S Pos: 25
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:15:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4303505.1	1.009	0.0075	mg/L				0.75%
Ag 328.068	-2298.5	0.0015	0.00019	mg/L				12.10%
Al 308.215	5057.5	-0.0109	0.00023	mg/L				2.14%
As 188.979	-25.8	-0.0004	0.00167	mg/L				400.51%
B 249.773	1434.1	0.0100	0.00015	mg/L				1.51%
Ba 233.527	61.4	0.0005	0.00021	mg/L				41.93%
Be 313.107	-4979.5	0.0000	0.00000	mg/L				2.26%
Ca 315.887	1387.2	0.0272	0.00037	mg/L				1.37%
Cd 226.502	-208.9	0.0001	0.00003	mg/L				44.40%
Co 228.616	-274.5	0.0000	0.00040	mg/L				969.01%
Cr 267.716	-14.1	0.0003	0.00007	mg/L				19.01%
Cu 324.754	1491.5	0.0015	0.00022	mg/L				14.88%
Fe 238.863	991.4	0.0650	0.00104	mg/L				1.60%
K .721	-2020.1	0.6996	1.29044	mg/L				184.46%
M 9.079	-828.8	0.0034	0.00053	mg/L				15.84%
Mn 257.610	1497.0	0.0042	0.00021	mg/L				5.05%
Mo 202.030	-11.1	0.0002	0.00039	mg/L				159.21%
Na 330.237	1356.5	0.5313	0.01713	mg/L				3.22%
Ni 231.604	-280.8	0.0001	0.00009	mg/L				76.23%

b 220.353	30.2	-0.0003	0.00022 mg/L		87.46%
b 206.833	53.8	0.0039	0.00189 mg/L		48.22%
e .026	-25.7	0.0018	0.00004 mg/L		2.16%
n .933	408.4	0.0351	0.00586 mg/L		16.69%
i .941	-555.8	0.0002	0.00000 mg/L		0.73%
l 190.800	-28.9	-0.0011	0.00013 mg/L		11.58%
292.402	1228.6	0.0000	0.00005 mg/L		115.61%
n 206.191	3506.8	0.0423	0.01361 mg/L		32.19%

lean Data ----------

D: 999992 Seq. No.: 36 Sample No.: 18 A/S Pos: 26
ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:20:17 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4285563.0	1.005	0.0045	mg/L				0.45%
g 328.068	-2369.0	0.0011	0.00024	mg/L				21.85%
l 308.215	5056.5	-0.0110	0.00272	mg/L				24.71%
s 188.979	-28.2	-0.0021	0.00015	mg/L				7.07%
249.773	1450.6	0.0103	0.00008	mg/L				0.78%
a 233.527	38.9	0.0003	0.00005	mg/L				18.68%
e 313.107	-5004.5	0.0000	0.00001	mg/L				20.08%
a 315.887	784.0	0.0235	0.00009	mg/L				0.40%
d 226.502	-204.7	0.0001	0.00001	mg/L				5.34%
o 228.616	-277.1	-0.0001	0.00013	mg/L				189.07%
r 267.716	-17.9	0.0003	0.00022	mg/L				70.36%
u 324.754	1363.2	0.0009	0.00007	mg/L				6.92%
e 238.863	877.8	0.0603	0.00036	mg/L				0.60%
404.721	-1975.2	1.348	0.3028	mg/L				22.47%
g 279.079	-864.5	0.0019	0.00131	mg/L				70.50%
n 257.610	1589.3	0.0045	0.00021	mg/L				4.77%
o 202.030	-10.2	0.0003	0.00000	mg/L				0.19%
a 330.237	1221.3	0.3535	0.08034	mg/L				22.73%
i .604	-277.9	0.0002	0.00004	mg/L				21.53%
b .353	30.0	-0.0003	0.00026	mg/L				90.94%
b .833	53.4	0.0037	0.00150	mg/L				40.49%
e 196.026	-22.3	0.0029	0.00249	mg/L				85.71%
n 189.933	287.0	0.0231	0.00091	mg/L				3.92%
i 334.941	-625.6	0.0000	0.00004	mg/L				127.78%
l 190.800	-25.4	0.0005	0.00022	mg/L				42.16%
292.402	1229.0	0.0000	0.00017	mg/L				350.53%
n 206.191	1079.5	0.0128	0.00229	mg/L				17.89%

lean Data ----------

D: 999993 Seq. No.: 37 Sample No.: 19 A/S Pos: 27
ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:25:18 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4291513.8	1.007	0.0073	mg/L				0.73%
g 328.068	-2364.4	0.0011	0.00018	mg/L				16.07%
l 308.215	5069.9	-0.0103	0.00557	mg/L				54.19%
s 188.979	-28.8	-0.0026	0.00344	mg/L				131.66%
249.773	1486.6	0.0108	0.00003	mg/L				0.25%
a 233.527	38.4	0.0003	0.00012	mg/L				44.48%
e 313.107	-5039.8	0.0000	0.00001	mg/L				53.84%
a 315.887	700.2	0.0230	0.00012	mg/L				0.53%
d 226.502	-209.5	0.0001	0.00005	mg/L				76.02%
o 228.616	-273.4	0.0001	0.00014	mg/L				165.03%
r 267.716	-12.5	0.0004	0.00007	mg/L				19.08%
u 324.754	1362.6	0.0009	0.00001	mg/L				1.26%
e 238.863	876.4	0.0602	0.00091	mg/L				1.51%
404.721	-1985.9	1.194	0.4979	mg/L				41.69%
g 279.079	-884.1	0.0010	0.00000	mg/L				0.10%
n 257.610	1658.0	0.0046	0.00009	mg/L				2.05%
o .030	-12.7	0.0002	0.00019	mg/L				123.52%
a .237	1167.5	0.2827	0.04943	mg/L				17.49%
i 231.604	-280.1	0.0001	0.00001	mg/L				8.24%
b 220.353	31.4	-0.0001	0.00039	mg/L				519.39%
b 206.833	53.0	0.0035	0.00029	mg/L				8.41%
e 196.026	-24.7	0.0021	0.00192	mg/L				91.46%

n 189.933	243.0	0.0188	0.00002 mg/L		0.12%
i 334.941	-594.9	0.0001	0.00003 mg/L		25.20%
l 190.800	-27.2	-0.0003	0.00050 mg/L		156.03%
402	1208.0	-0.0001	0.00013 mg/L		225.53%
n 206.191	614.5	0.0071	0.00121 mg/L		16.94%

Mean Data

ID: 999994 Seq. No.: 38 Sample No.: 20 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:30:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
371.030	4330709.2	1.016	0.0004	mg/L				0.04%
g 328.068	-2371.1	0.0011	0.00035	mg/L				31.86%
l 308.215	5038.3	-0.0120	0.00005	mg/L				0.46%
s 188.979	-27.4	-0.0015	0.00293	mg/L				190.41%
249.773	1479.6	0.0107	0.00011	mg/L				1.06%
a 233.527	39.9	0.0003	0.00004	mg/L				15.08%
e 313.107	-4923.2	0.0000	0.00000	mg/L				5.52%
a 315.887	525.5	0.0219	0.00061	mg/L				2.77%
d 226.502	-204.3	0.0001	0.00003	mg/L				25.30%
o 228.616	-281.5	-0.0003	0.00016	mg/L				63.43%
r 267.716	-9.9	0.0004	0.00001	mg/L				2.55%
u 324.754	1267.1	0.0005	0.00005	mg/L				9.34%
e 238.863	830.1	0.0583	0.00048	mg/L				0.82%
404.721	-2037.8	0.4437	0.35588	mg/L				80.21%
g 279.079	-838.9	0.0029	0.00004	mg/L				1.44%
n 257.610	1620.8	0.0045	0.00014	mg/L				3.03%
o 202.030	-12.7	0.0002	0.00010	mg/L				66.08%
a 330.237	1173.8	0.2910	0.01910	mg/L				6.57%
i 231.604	-278.0	0.0002	0.00005	mg/L				28.32%
b 220.353	33.0	0.0002	0.00017	mg/L				106.29%
b 206.833	53.8	0.0039	0.00188	mg/L				48.36%
e 196.026	-24.2	0.0023	0.00169	mg/L				74.53%
r .933	212.9	0.0158	0.00063	mg/L				3.98%
i .941	-634.0	0.0000	0.00005	mg/L				348.38%
l 190.800	-28.3	-0.0009	0.00051	mg/L				58.77%
292.402	1200.0	-0.0001	0.00017	mg/L				183.00%
n 206.191	383.9	0.0043	0.00058	mg/L				13.33%

Mean Data

ID: 999995 Seq. No.: 39 Sample No.: 21 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:35:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
371.030	4322778.1	1.014	0.0130	mg/L				1.28%
Ag 328.068	-2371.3	0.0011	0.00002	mg/L				1.61%
Al 308.215	5000.8	-0.0140	0.00119	mg/L				8.53%
As 188.979	-30.2	-0.0036	0.00048	mg/L				13.16%
B 249.773	1511.9	0.0112	0.00019	mg/L				1.68%
Ba 233.527	32.1	0.0002	0.00001	mg/L				4.62%
Be 313.107	-4926.3	0.0000	0.00001	mg/L				21.07%
Ca 315.887	439.8	0.0214	0.00024	mg/L				1.14%
Cd 226.502	-204.2	0.0001	0.00002	mg/L				19.49%
Co 228.616	-275.8	0.0000	0.00014	mg/L				949.63%
Cr 267.716	-6.0	0.0004	0.00005	mg/L				11.27%
Cu 324.754	1283.8	0.0006	0.00019	mg/L				31.13%
Fe 238.863	839.5	0.0587	0.00210	mg/L				3.57%
K 404.721	-2002.7	0.9511	0.58599	mg/L				61.61%
Mg 279.079	-846.5	0.0026	0.00069	mg/L				26.30%
Mn 257.610	1619.3	0.0045	0.00001	mg/L				0.29%
Mo 202.030	-15.2	0.0000	0.00010	mg/L				787.46%
Na 330.237	1169.2	0.2849	0.09748	mg/L				34.21%
Ni 231.604	-284.2	0.0000	0.00022	mg/L				532.11%
Pb 0.353	31.9	0.0000	0.00057	mg/L				>999.9%
S 3.833	51.7	0.0028	0.00078	mg/L				27.84%
Se 196.026	-27.7	0.0011	0.00118	mg/L				106.08%
Sn 189.933	199.6	0.0145	0.00035	mg/L				2.44%
Ti 334.941	-580.5	0.0001	0.00007	mg/L				46.41%
Tl 190.800	-28.2	-0.0008	0.00045	mg/L				55.47%

292.402	1159.9	-0.0003	0.00016 mg/L	53.40%
n 206.191	283.7	0.0031	0.00042 mg/L	13.38%

le ata

D: -AI Seq. No.: 40 Sample No.: 5 A/S Pos: 6
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:40:26 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4416276.1	1.036	0.0071	mg/L				0.68%
g 328.068	766.9	0.0201	0.00018	mg/L				0.92%
l 308.215	5012.9	-0.0133	0.00091	mg/L				6.81%
s 188.979	2.6	0.0201	0.00305	mg/L				15.20%
249.773	1243.6	0.0071	0.00007	mg/L				0.99%
a 233.527	12.6	0.0000	0.00003	mg/L				97.95%
e 313.107	60375.2	0.0098	0.00006	mg/L				0.62%
a 315.887	-113.6	0.0180	0.00046	mg/L				2.57%
d 226.502	1010.6	0.0104	0.00007	mg/L				0.67%
o 228.616	2339.3	0.1105	0.00061	mg/L				0.55%
r 267.716	2364.8	0.0210	0.00031	mg/L				1.47%
u 324.754	12844.3	0.0490	0.00031	mg/L				0.63%
e 238.863	-278.4	0.0123	0.00104	mg/L				8.45%
404.721	-1998.0	1.018	0.5645	mg/L				55.44%
g 279.079	-887.2	0.0009	0.00090	mg/L				101.24%
n 257.610	12039.1	0.0325	0.00031	mg/L				0.96%
o 202.030	-16.2	0.0000	0.00006	mg/L				120.26%
a 330.237	978.6	0.0342	0.21526	mg/L				629.46%
i 231.604	3262.5	0.0858	0.00090	mg/L				1.05%
b 220.353	74.9	0.0064	0.00023	mg/L				3.64%
b 206.833	279.4	0.1238	0.00179	mg/L				1.45%
e 196.026	8.5	0.0133	0.00173	mg/L				13.02%
n 189.933	57.4	0.0004	0.00008	mg/L				17.90%
i 334.941	-611.9	0.0001	0.00004	mg/L				58.39%
l 190.800	16.7	0.0209	0.00042	mg/L				2.02%
402	22112.3	0.1025	0.00056	mg/L				0.55%
n .191	3642.2	0.0439	0.00017	mg/L				0.39%

lean Data

:D: ICSA Seq. No.: 41 Sample No.: 6 A/S Pos: 7
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:46:02 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3836521.2	0.900	0.0026	mg/L				0.29%
g 328.068	-5301.4	-0.0166	0.00038	mg/L				2.28%
l 308.215	9574287.4	512.0	0.49	mg/L				0.10%
s 188.979	-80.0	-0.0037	0.00780	mg/L				212.88%
249.773	10747.0	0.1523	0.00064	mg/L				0.42%
a 233.527	-312.2	-0.0030	0.00005	mg/L				1.78%
e 313.107	-6087.0	-0.0001	0.00001	mg/L				8.02%
a 315.887	77187081.5	472.0	0.25	mg/L				0.05%
d 226.502	1174.1	0.0004	0.00017	mg/L				38.33%
o 228.616	-340.4	-0.0027	0.00065	mg/L				23.84%
r 267.716	1122.3	0.0102	0.00008	mg/L				0.75%
u 324.754	-2349.8	-0.0029	0.00022	mg/L				7.62%
e 238.863	4614352.6	191.5	0.05	mg/L				0.03%
404.721	-3967.5	-1.399	0.8607	mg/L				61.52%
g 279.079	12178190.2	516.6	0.04	mg/L				0.01%
n 257.610	-7558.0	-0.0036	0.00008	mg/L				2.24%
o 202.030	32.7	0.0027	0.00009	mg/L				3.30%
a 330.237	865.6	0.0518	0.03683	mg/L				71.12%
i 231.604	-278.7	0.0002	0.00029	mg/L				165.16%
b 220.353	-265.1	-0.0062	0.00034	mg/L				5.53%
b 206.833	39.7	-0.0036	0.00027	mg/L				7.55%
e 196.026	7.7	0.0037	0.00207	mg/L				56.36%
r 9.933	17259.5	-0.2831	0.00491	mg/L				1.73%
.941	-3990.7	-0.0080	0.00007	mg/L				0.82%
l 190.800	-58.8	-0.0156	0.00007	mg/L				0.44%
292.402	12607.4	0.0559	0.00028	mg/L				0.50%
n 206.191	1673.6	0.0060	0.00021	mg/L				3.46%

ean Data ----------
D: ICSAB Seq. No.: 42 Sample No.: 7 A/S Pos: 8
ar Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:52:09 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3892450.3	0.913	0.0009	mg/L				0.10%
g 328.068	179702.1	1.101	0.0071	mg/L				0.65%
l 308.215	9482561.8	507.1	0.67	mg/L				0.13%
s 188.979	-87.9	-0.0100	0.00249	mg/L				24.98%
249.773	10613.3	0.1503	0.00050	mg/L				0.33%
a 233.527	56670.6	0.5300	0.00308	mg/L				0.58%
e 313.107	3298578.2	0.4940	0.00008	mg/L				0.02%
a 315.887	76418671.7	467.3	0.89	mg/L				0.19%
d 226.502	113293.9	0.9481	0.00640	mg/L				0.68%
o 228.616	10800.0	0.4682	0.00054	mg/L				0.12%
r 267.716	58896.1	0.5114	0.00273	mg/L				0.53%
u 324.754	124794.3	0.5293	0.00330	mg/L				0.62%
e 238.863	4533618.6	188.2	0.06	mg/L				0.03%
404.721	-3917.4	-1.131	0.0275	mg/L				2.43%
g 279.079	12066657.1	511.9	1.12	mg/L				0.22%
n 257.610	181118.5	0.5027	0.00374	mg/L				0.74%
o 202.030	27.4	0.0024	0.00012	mg/L				5.11%
a 330.237	1053.1	0.2912	0.00630	mg/L				2.16%
i 231.604	37955.7	0.9246	0.00189	mg/L				0.20%
b 220.353	6180.9	0.9493	0.00047	mg/L				0.05%
b 206.833	35.4	-0.0059	0.00095	mg/L				16.25%
e 196.026	25.1	0.0096	0.00035	mg/L				3.63%
n 189.933	17022.9	-0.2883	0.00637	mg/L				2.21%
i 334.941	-3774.1	-0.0075	0.00012	mg/L				1.62%
l 190.800	-67.7	-0.0200	0.00005	mg/L				0.23%
292.402	115961.2	0.5630	0.00348	mg/L				0.62%
n 206.191	78861.0	0.9441	0.00689	mg/L				0.73%

le ata ----------
D. V Seq. No.: 43 Sample No.: 2 A/S Pos: 3
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 1:57:51 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	4288973.8	1.006	0.0101	mg/L				1.01%
g 328.068	80739.7	0.5032	0.00318	mg/L				0.63%
l 308.215	194261.3	10.11	0.118	mg/L				1.17%
s 188.979	1446.4	1.061	0.0092	mg/L				0.87%
249.773	169260.5	2.574	0.0044	mg/L				0.17%
a 233.527	1106331.7	10.35	0.002	mg/L				0.02%
e 313.107	1674820.1	0.2512	0.00001	mg/L				0.00%
a 315.887	4126593.2	25.25	0.030	mg/L				0.12%
d 226.502	60160.3	0.5102	0.00585	mg/L				1.15%
o 228.616	62050.9	2.634	0.0182	mg/L				0.69%
r 267.716	60164.5	0.5224	0.00428	mg/L				0.82%
u 324.754	301545.8	1.258	0.0103	mg/L				0.82%
e 238.863	124805.8	5.203	0.0564	mg/L				1.08%
404.721	-553.9	21.88	0.613	mg/L				2.80%
QC exceeds lower limit for K 404.721		Recovery = 87.52%		Action = Continue				
g 279.079	596841.5	25.36	0.279	mg/L				1.10%
n 257.610	293843.3	0.7892	0.00550	mg/L				0.70%
o 202.030	42491.8	2.423	0.0291	mg/L				1.20%
a 330.237	18967.3	23.70	0.260	mg/L				1.10%
i 231.604	85759.0	2.080	0.0211	mg/L				1.01%
b 220.353	3451.5	0.5070	0.00421	mg/L				0.83%
b 206.833	9693.9	5.126	0.0257	mg/L				0.50%
e 196.026	1464.0	0.5014	0.00413	mg/L				0.82%
n 189.933	52849.7	5.213	0.0300	mg/L				0.58%
i 334.941	1066224.3	2.561	0.0018	mg/L				0.07%
l .800	2080.4	1.021	0.0086	mg/L				0.85%
402	525726.2	2.574	0.0207	mg/L				0.80%
n 206.191	84328.9	1.024	0.0106	mg/L				1.04%

ean Data ----------
D: CCB Seq. No.: 44 Sample No.: 4 A/S Pos: 1

mple Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/12/02 2:02:56 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	4343695.3	1.019	0.0030	mg/L				0.30%
g 328.068	-2335.4	0.0013	0.00005	mg/L				3.99%
l 308.215	5090.2	-0.0092	0.00044	mg/L				4.76%
s 188.979	-25.8	-0.0004	0.00216	mg/L				564.66%
249.773	2018.0	0.0190	0.00426	mg/L				22.49%
a 233.527	110.1	0.0009	0.00043	mg/L				45.14%
e 313.107	-5006.4	0.0000	0.00001	mg/L				47.42%
a 315.887	-1323.6	0.0106	0.00203	mg/L				19.18%
d 226.502	-203.9	0.0001	0.00005	mg/L				49.25%
o 228.616	-261.4	0.0006	0.00009	mg/L				15.04%
r 267.716	-55.8	0.0000	0.00013	mg/L				642.30%
u 324.754	1468.6	0.0014	0.00014	mg/L				9.93%
e 238.863	-417.6	0.0065	0.00116	mg/L				17.67%
404.721	-2056.5	0.1745	0.84309	mg/L				483.13%
g 279.079	-774.5	0.0057	0.00258	mg/L				45.46%
n 257.610	-146.9	-0.0002	0.00003	mg/L				14.42%
o 202.030	15.4	0.0018	0.00065	mg/L				37.00%
a 330.237	1065.5	0.1486	0.17344	mg/L				116.72%
i 231.604	-266.2	0.0005	0.00018	mg/L				37.57%
b 220.353	30.6	-0.0002	0.00030	mg/L				154.26%
b 206.833	93.7	0.0251	0.00819	mg/L				32.60%
QC exceeds upper limit for Sb 206.833			Action = Continue					
e 196.026	-23.0	0.0027	0.00162	mg/L				60.51%
n 189.933	183.1	0.0128	0.00263	mg/L				20.48%
i 334.941	-267.1	0.0009	0.00045	mg/L				50.74%
l 190.800	-23.9	0.0013	0.00019	mg/L				15.12%
292.402	1258.1	0.0002	0.00016	mg/L				81.64%
n 206.191	127.8	0.0012	0.00017	mg/L				13.71%

Metals Cover Page

Instrument: Dima2

Analyst: JD

Date: 2/14/02

Data File: 2feb14a

Reviewed By: CK 2/15/02

Entered By: CK 2/15/02

Manager Approval: SD 2/14/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems
74560	CU ZN PB(LL)				

Package Data:

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
R10459	(Pkg 5) / ASP	AG AS BA CD CR PB SE MN ZN		M2530070	(YES) / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP	repeat # 5 for ZN			YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

Calibration Summary
Method: Method 6010B Date: 02/14/02 3:58:32 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

Method: Method 6010B IEC: 012902.iec MSF:
Results: 2feb14a Spectra Stored: Yes Method Stored: Yes
Sample Info: 6010b User: User1 Date: 02/14/02 3:58:32 PM
Method Description: Optima 3000XL #2

Mean Data
ID: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 02/14/02 4:00:01 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD
Y 371.030	3535470.7	13458.01	0.38%

Mean Data
ID: Calib Blank 1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 02/14/02 4:01:31 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	3539267.9	21945.17	0.62%	1.001	mg/L
Ag 328.068	-1358.7	88.51	6.51%	0	mg/L
Al 308.215	4806.0	56.84	1.18%	0	mg/L
As 188.979	-30.9	1.98	6.41%	0	mg/L
B 249.773	846.7	2.86	0.34%	0	mg/L
Ba 233.527	77.8	0.28	0.36%	0	mg/L
Be [illegible]3.107	-3881.9	49.75	1.28%	0	mg/L
C[illegible] .887	777.1	27.25	3.51%	0	mg/L
Co [illegible].502	-89.6	3.28	3.67%	0	mg/L
Co 228.616	-211.2	5.39	2.55%	0	mg/L
Cr 267.716	93.5	38.24	40.92%	0	mg/L
Cu 324.754	2915.6	26.74	0.92%	0	mg/L
Fe 238.863	-9.5	2.91	30.77%	0	mg/L
K 404.721	-1391.3	20.84	1.50%	0	mg/L
Mg 279.079	873.8	14.49	1.66%	0	mg/L
Mn 257.610	-189.9	1.38	0.72%	0	mg/L
Mo 202.030	-15.5	1.13	7.30%	0	mg/L
Na 330.237	1163.5	33.36	2.87%	0	mg/L
Ni 231.604	-166.3	0.44	0.27%	0	mg/L
Pb 220.353	22.1	2.14	9.68%	0	mg/L
Sb 206.833	34.7	0.86	2.47%	0	mg/L
Se 196.026	-18.1	7.43	40.95%	0	mg/L
Sn 189.933	70.9	2.91	4.11%	0	mg/L
Ti 334.941	-453.6	21.32	4.70%	0	mg/L
Tl 190.800	-20.4	1.56	7.64%	0	mg/L
V 292.402	772.7	19.07	2.47%	0	mg/L
Zn 206.191	87.3	3.47	3.97%	0	mg/L

SDC V.to 2/14/02

Mean Data
ID: Calib Std 1 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 02/14/02 4:06:44 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	3529913.2	47530.15	1.35%	0.998	mg/L
Ag 328.068	155578.1	934.60	0.60%	1.0000	mg/L
Al 308.215	291829.6	1342.90	0.46%	20.0000	mg/L
As 188.979	2585.2	45.92	1.78%	2.0000	mg/L
B 249.773	305058.5	172.43	0.06%	5.0000	mg/L
B[illegible] 3.527	1535678.1	597.45	0.04%	20.0000	mg/L
B[illegible] .107	2494960.9	591.22	0.02%	0.5000	mg/L
Ca [illegible]15.887	5572474.7	2236.68	0.04%	50.0000	mg/L
Cd 226.502	77846.2	66.40	0.09%	1.0000	mg/L
Co 228.616	104242.7	647.07	0.62%	5.0000	mg/L
Cr 267.716	103067.6	429.00	0.42%	1.0000	mg/L

Cu 324.754	521812.7	879.17	0.17%	2.5000 mg/L
Fe 238.863	193596.4	867.39	0.45%	10.0000 mg/L
K 721	1362.9	59.14	4.34%	50.0000 mg/L
Mg .079	810836.3	358.09	0.04%	50.0000 mg/L
Mn 257.610	534098.1	909.47	0.17%	1.5000 mg/L
Mo 202.030	60500.2	27.92	0.05%	5.0000 mg/L
Na 330.237	29466.6	137.84	0.47%	50.0000 mg/L
Ni 231.604	123236.0	395.88	0.32%	4.0000 mg/L
Pb 220.353	4086.3	41.48	1.02%	1.0000 mg/L
Sb 206.833	17247.9	172.88	1.00%	10.0000 mg/L
Se 196.026	1875.8	21.96	1.17%	1.0000 mg/L
Sn 189.933	66360.8	34.57	0.05%	10.0000 mg/L
Ti 334.941	2061606.5	1694.80	0.08%	5.0000 mg/L
Tl 190.800	2457.9	23.76	0.97%	2.0000 mg/L
V 292.402	951579.8	198.97	0.02%	5.0000 mg/L
Zn 206.191	104628.5	317.60	0.30%	2.0000 mg/L

Calibration Summary

Method: Method 6010B Date: 02/14/02 4:08:03 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	1	Linear	-1358.7	156936.9	0.00000	1.000000
Al 308.215	1	Linear	4806.0	14351.2	0.00000	1.000000
As 188.979	1	Linear	-30.9	1308.0	0.00000	1.000000
B 249.773	1	Linear	846.7	60842.4	0.00000	1.000000
Ba 233.527	1	Linear	77.8	76780.0	0.00000	1.000000
Be 313.107	1	Linear	-3881.9	4997685.6	0.00000	1.000000
Ca 315.887	1	Linear	777.1	111434.0	0.00000	1.000000
Cd 226.502	1	Linear	-89.6	77935.8	0.00000	1.000000
Co 228.616	1	Linear	-211.2	20890.8	0.00000	1.000000
Cr 267.716	1	Linear	93.5	102974.1	0.00000	1.000000
Cu 324.754	1	Linear	2915.6	207558.8	0.00000	1.000000
Fe 238.863	1	Linear	-9.5	19360.6	0.00000	1.000000
K 721	1	Linear	-1391.3	55.1	0.00000	1.000000
Mg 279.079	1	Linear	873.8	16199.3	0.00000	1.000000
Mn 257.610	1	Linear	-189.9	356192.0	0.00000	1.000000
Mo 202.030	1	Linear	-15.5	12103.1	0.00000	1.000000
Na 330.237	1	Linear	1163.5	566.1	0.00000	1.000000
Ni 231.604	1	Linear	-166.3	30850.6	0.00000	1.000000
Pb 220.353	1	Linear	22.1	4064.2	0.00000	1.000000
Sb 206.833	1	Linear	34.7	1721.3	0.00000	1.000000
Se 196.026	1	Linear	-18.1	1893.9	0.00000	1.000000
Sn 189.933	1	Linear	70.9	6629.0	0.00000	1.000000
Ti 334.941	1	Linear	-453.6	412412.0	0.00000	1.000000
Tl 190.800	1	Linear	-20.4	1239.2	0.00000	1.000000
V 292.402	1	Linear	772.7	190161.4	0.00000	1.000000
Zn 206.191	1	Linear	87.3	52270.6	0.00000	1.000000

Mean Data

ID: HIGH CHECK Seq. No.: 4 Sample No.: 10 A/S Pos: 2

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 4:12:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3528066.5	0.998	0.0038	mg/L				0.38%
Ag 328.068	155454.7	0.9992	0.00354	mg/L				0.35%
Al 308.215	291931.5	20.01	0.091	mg/L				0.45%
As 188.979	2575.6	1.993	0.0070	mg/L				0.35%
B 249.773	307238.9	5.036	0.0077	mg/L				0.15%
Ba 233.527	1535746.8	20.00	0.008	mg/L				0.04%
Be 313.107	2495495.9	0.5001	0.00030	mg/L				0.06%
Ca 315.887	5570028.3	49.98	0.006	mg/L				0.01%
Cd 226.502	77847.6	1.000	0.0032	mg/L				0.32%
Co 228.616	104291.0	5.002	0.0216	mg/L				0.43%
Cr 267.716	102788.4	0.9973	0.00061	mg/L				0.06%
Cu 324.754	523363.2	2.507	0.0057	mg/L				0.23%
Fe 238.863	193025.0	9.970	0.0212	mg/L				0.21%
K 404.721	1475.9	52.05	0.330	mg/L				0.63%
Mg 279.079	810459.3	49.98	0.004	mg/L				0.01%
Mn 257.610	539554.8	1.515	0.0071	mg/L				0.47%

o 202.030	60536.1	5.003	0.0134	mg/L	0.27%
a 330.237	29522.5	50.10	0.171	mg/L	0.34%
i .604	123110.9	3.996	0.0132	mg/L	0.33%
b .353	4077.2	0.9978	0.00560	mg/L	0.56%
b 206.833	17202.2	9.973	0.0562	mg/L	0.56%
e 196.026	1860.8	0.9921	0.00896	mg/L	0.90%
n 189.933	66505.5	10.02	0.026	mg/L	0.26%
i 334.941	2058293.4	4.992	0.0125	mg/L	0.25%
l 190.800	2452.3	1.995	0.0078	mg/L	0.39%
292.402	950106.5	4.992	0.0050	mg/L	0.10%
n 206.191	104600.1	1.999	0.0031	mg/L	0.15%

lean Data

:D: ICV — Seq. No.: 5 — Sample No.: 1 — A/S Pos: 3
iample Qty: 1.0000 g — Prep. Vol.: 1.0 L — Dilution: 1.0: 1.0
Data: Original — Date: 02/14/02 4:17:15 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
371.030	3518704.2	0.995	0.0008	mg/L				0.08%
g 328.068	75579.2	0.4902	0.00124	mg/L				0.25%
l 308.215	146476.3	9.872	0.0075	mg/L				0.08%
s 188.979	1299.1	1.017	0.0008	mg/L				0.08%
249.773	154520.5	2.526	0.0048	mg/L				0.19%
a 233.527	801530.2	10.44	0.000	mg/L				0.00%
e 313.107	1258707.2	0.2526	0.00022	mg/L				0.09%
a 315.887	2867781.3	25.73	0.001	mg/L				0.00%
d 226.502	39846.3	0.5124	0.00204	mg/L				0.40%
o 228.616	53089.3	2.551	0.0001	mg/L				0.01%
r 267.716	52343.6	0.5074	0.00144	mg/L				0.28%
u 324.754	266027.5	1.268	0.0011	mg/L				0.08%
e 238.863	98313.8	5.079	0.0124	mg/L				0.24%
404.721	-25.3	24.80	2.940	mg/L				11.85%
g 279.079	412018.3	25.38	0.003	mg/L				0.01%
n 257.610	274680.0	0.7717	0.00054	mg/L				0.07%
o .030	29653.7	2.451	0.0002	mg/L				0.01%
a .237	14701.8	23.92	0.081	mg/L				0.34%
i 231.604	63918.2	2.077	0.0041	mg/L				0.20%
b 220.353	2088.3	0.5084	0.00073	mg/L				0.14%
b 206.833	8672.0	5.018	0.0141	mg/L				0.28%
e 196.026	932.4	0.5019	0.00029	mg/L				0.06%
n 189.933	35593.9	5.359	0.0094	mg/L				0.18%
i 334.941	1018656.5	2.471	0.0032	mg/L				0.13%
l 190.800	1275.6	1.046	0.0043	mg/L				0.41%
292.402	482405.9	2.533	0.0011	mg/L				0.04%
n 206.191	53673.7	1.025	0.0018	mg/L				0.18%

Mean Data

ID: ICB — Seq. No.: 6 — Sample No.: 3 — A/S Pos: 1
Sample Qty: 1.0000 g — Prep. Vol.: 1.0 L — Dilution: 1.0: 1.0
Data: Original — Date: 02/14/02 4:22:18 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3531721.6	0.999	0.0168	mg/L				1.68%
Ag 328.068	-1417.7	-0.0004	0.00006	mg/L				16.36%
Al 308.215	4842.8	0.0026	0.00792	mg/L				308.78%
As 188.979	-31.4	-0.0004	0.00056	mg/L				158.97%
B 249.773	4632.8	0.0622	0.00651	mg/L				10.47%
Ba 233.527	258.3	0.0024	0.00073	mg/L				31.06%
Be 313.107	-3340.4	0.0001	0.00002	mg/L				16.70%
Ca 315.887	1075.6	0.0027	0.00277	mg/L				103.41%
Cd 226.502	-86.1	0.0000	0.00004	mg/L				93.64%
Co 228.616	-166.5	0.0021	0.00009	mg/L				4.00%
Cr 267.716	138.3	0.0004	0.00004	mg/L				8.47%
Cu 324.754	3914.2	0.0048	0.00116	mg/L				24.06%
Fe 238.863	-116.0	-0.0055	0.00077	mg/L				14.07%
K .721	-1396.7	-0.0990	1.48366	mg/L				>999.9%
M 9.079	561.9	-0.0193	0.00267	mg/L				13.87%
Mn 257.610	-135.2	0.0002	0.00006	mg/L				38.79%
Mo 202.030	-1.6	0.0011	0.00032	mg/L				28.22%
Na 330.237	1167.6	0.0072	0.00933	mg/L				130.35%
Ni 231.604	-124.1	0.0014	0.00011	mg/L				8.28%

Pb 220.353	22.0	0.0000	0.00041 mg/L		>999.9%
Sb 206.833	81.7	0.0273	0.00768 mg/L		28.15%
*C ceeds upper limit for Sb 206.833			Action = Continue		
Se .026	-17.9	0.0002	0.00139 mg/L		910.49%
Sn 189.933	158.8	0.0133	0.00191 mg/L		14.37%
Ti 334.941	168.3	0.0015	0.00052 mg/L		34.73%
Tl 190.800	-19.0	0.0012	0.00005 mg/L		3.92%
V 292.402	833.5	0.0003	0.00001 mg/L		2.23%
Zn 206.191	159.9	0.0014	0.00049 mg/L		35.20%

Mean Data ----------

ID: CRI Seq. No.: 7 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 4:27:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3611802.3	1.022	0.0035	mg/L				0.35%
Ag 328.068	1529.0	0.0184	0.00032	mg/L				1.72%
Al 308.215	4698.0	-0.0075	0.00248	mg/L				33.01%
As 188.979	-5.5	0.0194	0.00224	mg/L				11.53%
B 249.773	3364.0	0.0414	0.00193	mg/L				4.66%
Ba 233.527	137.6	0.0008	0.00011	mg/L				14.37%
Be 313.107	45359.1	0.0099	0.00012	mg/L				1.22%
Ca 315.887	1172.3	0.0035	0.00073	mg/L				20.69%
Cd 226.502	705.5	0.0102	0.00001	mg/L				0.10%
Co 228.616	1976.9	0.1047	0.00012	mg/L				0.12%
Cr 267.716	2164.0	0.0201	0.00006	mg/L				0.32%
Cu 324.754	12841.5	0.0478	0.00075	mg/L				1.56%
Fe 238.863	-151.9	-0.0074	0.00082	mg/L				11.17%
K 404.721	-1313.6	1.410	0.3879	mg/L				27.50%
Mg 279.079	377.6	-0.0306	0.00138	mg/L				4.50%
Mn 257.610	10819.3	0.0309	0.00046	mg/L				1.47%
Mo 202.030	-12.1	0.0003	0.00020	mg/L				70.23%
Na 330.237	1126.1	-0.0660	0.13328	mg/L				201.79%
Ni .604	2435.9	0.0843	0.00023	mg/L				0.27%
Pb .0.353	45.9	0.0058	0.00018	mg/L				3.05%
Sb 206.833	257.2	0.1292	0.00090	mg/L				0.70%
Se 196.026	-1.4	0.0089	0.00107	mg/L				12.09%
Sn 189.933	102.7	0.0048	0.00127	mg/L				26.45%
Ti 334.941	-277.2	0.0004	0.00012	mg/L				27.99%
Tl 190.800	6.3	0.0216	0.00065	mg/L				3.01%
V 292.402	19755.8	0.0998	0.00150	mg/L				1.51%
Zn 206.191	2209.8	0.0406	0.00015	mg/L				0.38%

Mean Data ----------

ID: ICSA Seq. No.: 8 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 4:32:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3179519.4	0.899	0.0064	mg/L				0.71%
Ag 328.068	-3118.6	-0.0112	0.00022	mg/L				1.93%
Al 308.215	7494197.1	521.9	4.15	mg/L				0.79%
As 188.979	-74.9	0.0014	0.00005	mg/L				3.78%
B 249.773	11562.6	0.1761	0.00020	mg/L				0.12%
Ba 233.527	-442.2	-0.0068	0.00022	mg/L				3.24%
Be 313.107	-4428.7	-0.0001	0.00000	mg/L				4.02%
Ca 315.887	54433663.3	488.5	3.48	mg/L				0.71%
Cd 226.502	1273.4	0.0064	0.00004	mg/L				0.69%
Co 228.616	-209.4	0.0001	0.00029	mg/L				330.75%
Cr 267.716	862.7	0.0075	0.00051	mg/L				6.81%
Cu 324.754	1607.0	0.0052	0.00050	mg/L				9.69%
Fe 238.863	3625831.3	187.3	0.09	mg/L				0.05%
K 404.721	-2865.7	-1.310	0.3906	mg/L				29.82%
Mg 279.079	8685651.6	536.1	3.90	mg/L				0.73%
Mn .610	-2939.6	0.0084	0.00008	mg/L				0.96%
Mo .030	25.7	0.0034	0.00027	mg/L				7.95%
Na 330.237	1112.6	0.0402	0.06554	mg/L				162.99%
Ni 231.604	-120.9	0.0015	0.00046	mg/L				31.16%
Pb 220.353	-151.9	-0.0040	0.00035	mg/L				8.60%
Sb 206.833	45.9	0.0065	0.00141	mg/L				21.72%

Se 196.026	9.7	0.0049	0.00453	mg/L	92.60%
Sn 189.933	13839.6	0.0201	0.00054	mg/L	2.69%
Ti 334.941	-2696.7	-0.0054	0.00005	mg/L	0.90%
Tl 190.800	-43.7	-0.0187	0.00283	mg/L	15.11%
V 292.402	8016.5	0.0381	0.00032	mg/L	0.84%
Zn 206.191	1160.4	0.0060	0.00002	mg/L	0.39%

Mean Data

ID: ICSAB Seq. No.: 9 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 4:38:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3242414.1	0.917	0.0078	mg/L				0.85%
Ag 328.068	169898.5	1.091	0.0083	mg/L				0.76%
Al 308.215	7422148.9	516.8	0.14	mg/L				0.03%
As 188.979	-71.7	0.0039	0.00363	mg/L				93.72%
B 249.773	11164.6	0.1696	0.00010	mg/L				0.06%
Ba 233.527	40724.7	0.5294	0.00286	mg/L				0.54%
Be 313.107	2521190.0	0.5052	0.00041	mg/L				0.08%
Ca 315.887	54010698.2	484.7	2.40	mg/L				0.49%
Cd 226.502	75400.1	0.9575	0.00655	mg/L				0.68%
Co 228.616	9625.2	0.4709	0.00553	mg/L				1.17%
Cr 267.716	51488.8	0.4991	0.00355	mg/L				0.71%
Cu 324.754	111312.9	0.5337	0.00733	mg/L				1.37%
Fe 238.863	3625430.7	187.3	0.06	mg/L				0.03%
K 404.721	-2762.1	0.5681	1.15816	mg/L				203.87%
Mg 279.079	8536063.2	526.9	2.33	mg/L				0.44%
Mn 257.610	176064.6	0.5110	0.00248	mg/L				0.48%
Mo 202.030	18.9	0.0028	0.00009	mg/L				3.13%
Na 330.237	1295.8	0.3684	0.00909	mg/L				2.47%
Ni 231.604	28121.1	0.9169	0.01250	mg/L				1.36%
Pb 220.353	3794.1	0.9665	0.01212	mg/L				1.25%
Sb 206.833	46.1	0.0066	0.00464	mg/L				70.17%
Se 196.026	11.8	0.0062	0.00148	mg/L				23.77%
Sn 189.933	13567.5	0.0145	0.00893	mg/L				61.49%
Ti 334.941	-2682.6	-0.0054	0.00004	mg/L				0.67%
Tl 190.800	-52.8	-0.0261	0.00153	mg/L				5.84%
V 292.402	103397.8	0.5397	0.00436	mg/L				0.81%
Zn 206.191	49841.0	0.9376	0.00865	mg/L				0.92%

Mean Data

ID: CCV Seq. No.: 10 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 4:44:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3493853.3	0.988	0.0094	mg/L				0.95%
Ag 328.068	76306.8	0.4949	0.00484	mg/L				0.98%
Al 308.215	148956.7	10.04	0.056	mg/L				0.55%
As 188.979	1307.8	1.023	0.0072	mg/L				0.70%
B 249.773	153254.0	2.505	0.0435	mg/L				1.74%
Ba 233.527	801485.5	10.44	0.007	mg/L				0.07%
Be 313.107	1259624.4	0.2528	0.00000	mg/L				0.00%
Ca 315.887	2880690.1	25.84	0.050	mg/L				0.19%
Cd 226.502	40454.4	0.5202	0.00385	mg/L				0.74%
Co 228.616	53588.9	2.575	0.0282	mg/L				1.09%
Cr 267.716	52920.1	0.5130	0.00498	mg/L				0.97%
Cu 324.754	268214.9	1.278	0.0140	mg/L				1.10%
Fe 238.863	101230.3	5.229	0.0250	mg/L				0.48%
K 404.721	18.5	25.59	0.115	mg/L				0.45%
Mg 279.079	416573.9	25.66	0.045	mg/L				0.17%
Mn 257.610	278275.9	0.7818	0.00859	mg/L				1.10%
Mo 202.030	30003.7	2.480	0.0275	mg/L				1.11%
Na 330.237	14813.0	24.11	0.160	mg/L				0.66%
Ni 231.604	64743.1	2.104	0.0234	mg/L				1.11%
Pb 220.353	2104.4	0.5124	0.00450	mg/L				0.88%
Sb 206.833	8723.9	5.048	0.0771	mg/L				1.53%
Se 196.026	946.6	0.5094	0.00421	mg/L				0.83%
Sn 189.933	35932.3	5.410	0.0706	mg/L				1.31%
Ti 334.941	1017486.1	2.468	0.0018	mg/L				0.07%

l 190.800	1279.5	1.049	0.0134	mg/L	1.28%
292.402	482264.7	2.532	0.0005	mg/L	0.02%
n .191	54444.0	1.040	0.0086	mg/L	0.83%

ean Data

D: CCB Seq. No.: 11 Sample No.: 4 A/S Pos: 1
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 4:49:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
' 371.030	3522871.1	0.996	0.0018	mg/L				0.18%
ıg 328.068	-1361.7	0.0000	0.00005	mg/L				287.29%
ıl 308.215	4856.4	0.0035	0.00187	mg/L				53.16%
ıs 188.979	-30.2	0.0005	0.00000	mg/L				0.52%
ı 249.773	3464.7	0.0430	0.00469	mg/L				10.91%
ıa 233.527	271.4	0.0025	0.00064	mg/L				25.28%
ıe 313.107	-3481.8	0.0001	0.00003	mg/L				43.39%
:a 315.887	1523.8	0.0067	0.00299	mg/L				44.58%
:d 226.502	-83.6	0.0001	0.00001	mg/L				6.74%
:o 228.616	-172.6	0.0018	0.00022	mg/L				11.99%
:r 267.716	121.8	0.0003	0.00020	mg/L				71.35%
:u 324.754	3620.9	0.0034	0.00091	mg/L				26.87%
?e 238.863	461.1	0.0243	0.00309	mg/L				12.73%
(404.721	-1272.7	2.153	0.7029	mg/L				32.65%
*QC exceeds upper limit for K 404.721		Action = Continue						
ıg 279.079	4075.8	0.1977	0.00473	mg/L				2.39%
ın 257.610	-112.7	0.0002	0.00008	mg/L				37.00%
ıo 202.030	-5.7	0.0008	0.00038	mg/L				46.06%
Na 330.237	1178.2	0.0259	0.00713	mg/L				27.54%
Ni 231.604	-124.1	0.0014	0.00018	mg/L				13.39%
Pb 220.353	20.4	-0.0004	0.00008	mg/L				19.24%
Sb 206.833	74.6	0.0232	0.00784	mg/L				33.86%
*QC exceeds upper limit for Sb 206.833		Action = Continue						
Se `6.026	-23.1	-0.0026	0.00053	mg/L				20.25%
Sı .933	182.5	0.0168	0.00198	mg/L				11.78%
Ti ..4.941	44.0	0.0012	0.00042	mg/L				34.57%
Tl 190.800	-19.1	0.0011	0.00181	mg/L				168.24%
V 292.402	894.3	0.0006	0.00031	mg/L				48.12%
Zn 206.191	162.5	0.0014	0.00029	mg/L				20.32%

Mean Data

ID: IDL Seq. No.: 12 Sample No.: 1 A/S Pos: 9
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 4:54:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3602932.4	1.019	0.0019	mg/L				0.19%
Ag 328.068	124.7	0.0095	0.00000	mg/L				0.05%
Al 308.215	7453.8	0.1845	0.00265	mg/L				1.43%
As 188.979	-5.9	0.0191	0.00187	mg/L				9.78%
B 249.773	20287.6	0.3195	0.00061	mg/L				0.19%
Ba 233.527	16350.8	0.2119	0.00057	mg/L				0.27%
Be 313.107	21166.3	0.0050	0.00002	mg/L				0.46%
Ca 315.887	57734.0	0.5111	0.00230	mg/L				0.45%
Cd 226.502	723.1	0.0104	0.00001	mg/L				0.09%
Co 228.616	876.4	0.0521	0.00015	mg/L				0.28%
Cr 267.716	1134.3	0.0101	0.00012	mg/L				1.20%
Cu 324.754	8354.3	0.0262	0.00047	mg/L				1.81%
Fe 238.863	2207.7	0.1145	0.00280	mg/L				2.44%
K 404.721	-702.9	12.50	0.388	mg/L				3.11%
Mg 279.079	11319.6	0.6448	0.00669	mg/L				1.04%
Mn 257.610	5307.3	0.0154	0.00001	mg/L				0.04%
Mo 202.030	1167.5	0.0977	0.00025	mg/L				0.25%
Na 330.237	1554.8	0.6913	0.05507	mg/L				7.97%
Ni 231.604	1129.0	0.0420	0.00000	mg/L				0.00%
P 0.353	62.7	0.0100	0.00010	mg/L				0.95%
S. .6.833	94.5	0.0347	0.00010	mg/L				0.30%
Se 196.026	-0.8	0.0092	0.00267	mg/L				29.14%
Sn 189.933	3160.5	0.4661	0.00043	mg/L				0.09%
Ti 334.941	40687.8	0.0998	0.00061	mg/L				0.61%
Tl 190.800	4.3	0.0200	0.00053	mg/L				2.64%

292.402	10393.2	0.0506	0.00052	mg/L	1.03%
n 206.191	1214.2	0.0216	0.00002	mg/L	0.09%

e[illegible]ta

D: [illegible]DL Seq. No.: 13 Sample No.: 2 A/S Pos: 10
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 4:59:05 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3610432.3	1.021	0.0038	mg/L				0.37%
g 328.068	154.9	0.0096	0.00031	mg/L				3.17%
l 308.215	7400.5	0.1808	0.00379	mg/L				2.10%
s 188.979	-7.5	0.0179	0.00045	mg/L				2.49%
249.773	19802.9	0.3116	0.00547	mg/L				1.76%
a 233.527	16108.8	0.2088	0.00189	mg/L				0.91%
e 313.107	20528.8	0.0049	0.00004	mg/L				0.76%
a 315.887	56941.1	0.5040	0.00490	mg/L				0.97%
d 226.502	714.0	0.0103	0.00003	mg/L				0.29%
o 228.616	868.6	0.0517	0.00039	mg/L				0.75%
r 267.716	1090.8	0.0097	0.00042	mg/L				4.34%
u 324.754	8134.8	0.0251	0.00029	mg/L				1.14%
e 238.863	2131.0	0.1106	0.00155	mg/L				1.40%
404.721	-722.0	12.15	0.391	mg/L				3.22%
g 279.079	10290.6	0.5813	0.01462	mg/L				2.51%
n 257.610	5230.4	0.0152	0.00026	mg/L				1.70%
o 202.030	1160.8	0.0972	0.00045	mg/L				0.47%
a 330.237	1533.9	0.6544	0.05981	mg/L				9.14%
i 231.604	1115.7	0.0416	0.00012	mg/L				0.28%
b 220.353	60.3	0.0094	0.00060	mg/L				6.43%
b 206.833	90.6	0.0325	0.00059	mg/L				1.82%
e 196.026	-0.1	0.0095	0.00031	mg/L				3.29%
n 189.933	3114.5	0.4591	0.00353	mg/L				0.77%
i 334.941	39807.6	0.0976	0.00110	mg/L				1.13%
l [illegible].800	4.7	0.0202	0.00101	mg/L				4.99%
[illegible]102	10189.0	0.0495	0.00067	mg/L				1.35%
n [illegible].191	1193.4	0.0212	0.00009	mg/L				0.41%

lean Data

:D: IDL Seq. No.: 14 Sample No.: 3 A/S Pos: 11
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 5:04:06 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3624179.9	1.025	0.0129	mg/L				1.26%
g 328.068	109.5	0.0094	0.00007	mg/L				0.72%
l 308.215	7380.1	0.1794	0.00702	mg/L				3.91%
s 188.979	-3.9	0.0207	0.00051	mg/L				2.46%
249.773	19644.8	0.3090	0.00093	mg/L				0.30%
a 233.527	16033.4	0.2078	0.00250	mg/L				1.21%
e 313.107	20410.9	0.0049	0.00005	mg/L				1.01%
a 315.887	56661.6	0.5015	0.00575	mg/L				1.15%
d 226.502	716.7	0.0103	0.00010	mg/L				1.01%
o 228.616	855.3	0.0511	0.00067	mg/L				1.32%
r 267.716	1092.7	0.0097	0.00037	mg/L				3.85%
u 324.754	7980.8	0.0244	0.00040	mg/L				1.65%
e 238.863	1956.1	0.1015	0.00254	mg/L				2.50%
404.721	-698.4	12.58	1.972	mg/L				15.68%
g 279.079	9746.9	0.5478	0.01332	mg/L				2.43%
n 257.610	5194.6	0.0151	0.00014	mg/L				0.91%
o 202.030	1160.1	0.0971	0.00130	mg/L				1.34%
a 330.237	1570.7	0.7194	0.09041	mg/L				12.57%
i 231.604	1113.8	0.0415	0.00081	mg/L				1.94%
b 220.353	60.1	0.0094	0.00035	mg/L				3.74%
b 206.833	87.9	0.0309	0.00041	mg/L				1.32%
e 196.026	2.6	0.0109	0.00037	mg/L				3.35%
r [illegible].933	3100.5	0.4570	0.00603	mg/L				1.32%
i [illegible].941	39657.1	0.0973	0.00086	mg/L				0.89%
l 190.800	3.2	0.0191	0.00046	mg/L				2.39%
292.402	10140.0	0.0493	0.00071	mg/L				1.45%
n 206.191	1177.9	0.0209	0.00034	mg/L				1.64%

ean Data
D: IDL
ar Qty: 1.0000 mL
Seq. No.: 15 Sample No.: 4 A/S Pos: 12
Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 5:09:07 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3621555.9	1.024	0.0030	mg/L				0.29%
g 328.068	130.0	0.0095	0.00017	mg/L				1.83%
l 308.215	7386.7	0.1798	0.00122	mg/L				0.68%
s 188.979	-2.9	0.0214	0.00203	mg/L				9.47%
249.773	19740.2	0.3105	0.00504	mg/L				1.62%
a 233.527	16112.7	0.2088	0.00270	mg/L				1.29%
e 313.107	20491.1	0.0049	0.00005	mg/L				1.06%
a 315.887	56930.6	0.5039	0.00670	mg/L				1.33%
d 226.502	710.6	0.0103	0.00001	mg/L				0.08%
o 228.616	885.8	0.0525	0.00234	mg/L				4.46%
r 267.716	1080.7	0.0096	0.00012	mg/L				1.21%
u 324.754	8028.7	0.0246	0.00024	mg/L				0.99%
e 238.863	1890.2	0.0981	0.00023	mg/L				0.23%
404.721	-673.5	13.03	0.141	mg/L				1.08%
g 279.079	9227.1	0.5157	0.00420	mg/L				0.81%
n 257.610	5269.8	0.0153	0.00009	mg/L				0.62%
o 202.030	1150.9	0.0964	0.00013	mg/L				0.13%
a 330.237	1571.2	0.7202	0.05162	mg/L				7.17%
i 231.604	1100.5	0.0411	0.00030	mg/L				0.72%
b 220.353	64.0	0.0103	0.00054	mg/L				5.24%
b 206.833	89.2	0.0316	0.00028	mg/L				0.90%
e 196.026	1.9	0.0106	0.00178	mg/L				16.77%
n 189.933	3068.6	0.4522	0.00037	mg/L				0.08%
i 334.941	39950.6	0.0980	0.00115	mg/L				1.17%
l 190.800	4.0	0.0197	0.00029	mg/L				1.45%
292.402	10212.8	0.0496	0.00047	mg/L				0.94%
n 206.191	1175.2	0.0208	0.00007	mg/L				0.35%

ata
D. DL
ample Qty: 1.0000 mL
Seq. No.: 16 Sample No.: 5 A/S Pos: 13
Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 5:14:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3619696.3	1.024	0.0092	mg/L				0.90%
Ag 328.068	136.4	0.0095	0.00017	mg/L				1.78%
Al 308.215	7394.7	0.1804	0.00677	mg/L				3.75%
As 188.979	-5.3	0.0196	0.00216	mg/L				11.03%
B 249.773	19641.6	0.3089	0.00131	mg/L				0.42%
Ba 233.527	16128.2	0.2090	0.00007	mg/L				0.04%
Be 313.107	20514.0	0.0049	0.00001	mg/L				0.13%
Ca 315.887	57042.2	0.5049	0.00014	mg/L				0.03%
Cd 226.502	710.3	0.0103	0.00009	mg/L				0.86%
Co 228.616	862.0	0.0514	0.00043	mg/L				0.84%
Cr 267.716	1105.7	0.0098	0.00014	mg/L				1.43%
Cu 324.754	7966.2	0.0243	0.00035	mg/L				1.44%
Fe 238.863	1890.1	0.0981	0.00020	mg/L				0.21%
K 404.721	-662.0	13.24	0.915	mg/L				6.91%
Mg 279.079	8826.1	0.4909	0.00037	mg/L				0.08%
Mn 257.610	5267.0	0.0153	0.00001	mg/L				0.09%
Mo 202.030	1148.2	0.0962	0.00056	mg/L				0.59%
Na 330.237	1566.5	0.7119	0.07537	mg/L				10.59%
Ni 231.604	1098.5	0.0410	0.00044	mg/L				1.07%
Pb 220.353	62.1	0.0098	0.00036	mg/L				3.69%
Sb 206.833	84.3	0.0288	0.00081	mg/L				2.80%
Se 196.026	0.2	0.0097	0.00050	mg/L				5.18%
Sn 189.933	3067.6	0.4521	0.00425	mg/L				0.94%
Ti 334.941	40020.3	0.0981	0.00031	mg/L				0.31%
Tl 190.800	2.7	0.0187	0.00032	mg/L				1.72%
V 402	10246.0	0.0498	0.00004	mg/L				0.07%
Zn .191	1176.4	0.0208	0.00020	mg/L				0.97%

Mean Data
ID: IDL
Sample Qty: 1.0000 mL
Seq. No.: 17 Sample No.: 6 A/S Pos: 14
Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 5:19:12 PM

l :	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
3...030	3616408.7	1.023	0.0097	mg/L				0.95%
g 328.068	122.7	0.0094	0.00011	mg/L				1.15%
l 308.215	7448.7	0.1841	0.00723	mg/L				3.93%
s 188.979	-5.5	0.0194	0.00203	mg/L				10.42%
249.773	19676.8	0.3095	0.00587	mg/L				1.90%
a 233.527	16160.3	0.2095	0.00298	mg/L				1.42%
e 313.107	20553.9	0.0049	0.00007	mg/L				1.36%
a 315.887	57241.7	0.5067	0.00705	mg/L				1.39%
d 226.502	712.7	0.0103	0.00008	mg/L				0.82%
o 228.616	862.9	0.0514	0.00038	mg/L				0.73%
r 267.716	1131.6	0.0101	0.00060	mg/L				5.97%
u 324.754	7972.5	0.0244	0.00061	mg/L				2.50%
e 238.863	1861.8	0.0967	0.00051	mg/L				0.53%
404.721	-703.2	12.49	0.680	mg/L				5.44%
g 279.079	8653.6	0.4803	0.00563	mg/L				1.17%
n 257.610	5284.8	0.0154	0.00017	mg/L				1.09%
o 202.030	1150.2	0.0963	0.00109	mg/L				1.13%
a 330.237	1593.8	0.7602	0.07028	mg/L				9.25%
i 231.604	1103.3	0.0412	0.00013	mg/L				0.30%
b 220.353	60.7	0.0095	0.00044	mg/L				4.60%
b 206.833	83.6	0.0284	0.00149	mg/L				5.26%
e 196.026	-0.2	0.0095	0.00115	mg/L				12.08%
n 189.933	3078.8	0.4538	0.00418	mg/L				0.92%
i 334.941	40148.7	0.0985	0.00138	mg/L				1.41%
l 190.800	4.8	0.0204	0.00046	mg/L				2.24%
292.402	10246.6	0.0498	0.00052	mg/L				1.04%
n 206.191	1171.6	0.0207	0.00009	mg/L				0.46%

lean Data
D: IDL Seq. No.: 18 Sample No.: 7 A/S Pos: 15
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 5:24:17 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3602220.6	1.019	0.0015	mg/L				0.15%
g 328.068	109.4	0.0094	0.00019	mg/L				2.00%
l 308.215	7437.2	0.1833	0.00046	mg/L				0.25%
s 188.979	-7.3	0.0181	0.00154	mg/L				8.52%
249.773	19689.9	0.3097	0.00258	mg/L				0.83%
a 233.527	16210.4	0.2101	0.00093	mg/L				0.44%
e 313.107	20545.5	0.0049	0.00002	mg/L				0.35%
a 315.887	57210.1	0.5064	0.00206	mg/L				0.41%
d 226.502	715.8	0.0103	0.00010	mg/L				0.93%
o 228.616	865.9	0.0516	0.00061	mg/L				1.17%
r 267.716	1116.1	0.0099	0.00011	mg/L				1.13%
u 324.754	8043.6	0.0247	0.00005	mg/L				0.22%
e 238.863	1874.4	0.0973	0.00010	mg/L				0.10%
404.721	-687.5	12.78	0.565	mg/L				4.42%
g 279.079	8436.7	0.4669	0.00375	mg/L				0.80%
n 257.610	5277.0	0.0153	0.00005	mg/L				0.35%
o 202.030	1160.0	0.0971	0.00018	mg/L				0.19%
a 330.237	1607.2	0.7838	0.08062	mg/L				10.29%
i 231.604	1104.7	0.0412	0.00001	mg/L				0.03%
b 220.353	63.8	0.0102	0.00049	mg/L				4.73%
b 206.833	85.8	0.0297	0.00109	mg/L				3.67%
e 196.026	-0.0	0.0096	0.00058	mg/L				6.10%
n 189.933	3085.4	0.4548	0.00208	mg/L				0.46%
i 334.941	40200.8	0.0986	0.00058	mg/L				0.59%
l 190.800	4.0	0.0197	0.00103	mg/L				5.24%
292.402	10200.9	0.0496	0.00005	mg/L				0.09%
n 206.191	1169.5	0.0207	0.00001	mg/L				0.03%

de ata
II V Seq. No.: 19 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 5:29:28 PM

	Mean Corr.	Mean		Calib	Mean		Sample	

Element	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
[illegible] 371.030	3498032.5	0.989	0.0162	mg/L				1.63%
Ag .068	75977.4	0.4928	0.00963	mg/L				1.95%
Al .215	147833.4	9.966	0.2053	mg/L				2.06%
As 188.979	1314.2	1.028	0.0127	mg/L				1.23%
B 249.773	152625.8	2.495	0.0353	mg/L				1.41%
Ba 233.527	802545.1	10.45	0.016	mg/L				0.15%
Be 313.107	1257178.4	0.2523	0.00046	mg/L				0.18%
Ca 315.887	2872109.2	25.77	0.026	mg/L				0.10%
Cd 226.502	40107.4	0.5158	0.00980	mg/L				1.90%
Co 228.616	53425.8	2.567	0.0496	mg/L				1.93%
Cr 267.716	52652.7	0.5104	0.00963	mg/L				1.89%
Cu 324.754	266208.4	1.269	0.0226	mg/L				1.78%
Fe 238.863	98836.3	5.106	0.0939	mg/L				1.84%
K 404.721	111.5	27.28	2.133	mg/L				7.82%
Mg 279.079	412568.9	25.41	0.021	mg/L				0.08%
Mn 257.610	276254.6	0.7761	0.00163	mg/L				0.21%
Mo 202.030	29828.5	2.466	0.0438	mg/L				1.77%
Na 330.237	14711.8	23.93	0.511	mg/L				2.14%
Ni 231.604	64252.9	2.088	0.0410	mg/L				1.96%
Pb 220.353	2097.3	0.5106	0.00770	mg/L				1.51%
Sb 206.833	8727.6	5.050	0.0452	mg/L				0.90%
Se 196.026	949.0	0.5107	0.00646	mg/L				1.27%
Sn 189.933	35624.3	5.363	0.0870	mg/L				1.62%
Ti 334.941	1024350.3	2.485	0.0030	mg/L				0.12%
Tl 190.800	1271.4	1.042	0.0123	mg/L				1.18%
V 292.402	483213.3	2.537	0.0003	mg/L				0.01%
Zn 206.191	53851.1	1.029	0.0173	mg/L				1.68%

Mean Data ----------

ID: CCB Seq. No.: 20 Sample No.: 4 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 5:34:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
[illegible] .030	3597467.7	1.018	0.0202	mg/L				1.98%
Ag 328.068	-1425.1	-0.0004	0.00004	mg/L				9.41%
Al 308.215	4699.5	-0.0074	0.00990	mg/L				133.39%
As 188.979	-32.2	-0.0010	0.00093	mg/L				95.38%
B 249.773	3295.5	0.0402	0.00558	mg/L				13.86%
Ba 233.527	195.1	0.0015	0.00069	mg/L				45.37%
Be 313.107	-3476.6	0.0001	0.00000	mg/L				5.49%
Ca 315.887	1542.6	0.0069	0.00243	mg/L				35.39%
Cd 226.502	-84.6	0.0001	0.00002	mg/L				29.37%
Co 228.616	-189.6	0.0010	0.00032	mg/L				30.87%
Cr 267.716	95.2	0.0000	0.00038	mg/L				>999.9%
Cu 324.754	3163.6	0.0012	0.00094	mg/L				78.56%
Fe 238.863	-151.3	-0.0073	0.00033	mg/L				4.57%
K 404.721	-1228.1	2.962	0.3356	mg/L				11.33%
*QC exceeds upper limit for K 404.721 Action = Continue								
Mg 279.079	618.5	-0.0158	0.00618	mg/L				39.20%
Mn 257.610	-153.6	0.0001	0.00004	mg/L				40.02%
Mo 202.030	-2.2	0.0011	0.00060	mg/L				54.26%
Na 330.237	1250.5	0.1537	0.29553	mg/L				192.26%
Ni 231.604	-143.6	0.0007	0.00012	mg/L				16.36%
Pb 220.353	21.3	-0.0002	0.00055	mg/L				279.46%
Sb 206.833	68.4	0.0196	0.00583	mg/L				29.78%
*QC exceeds upper limit for Sb 206.833 Action = Continue								
Se 196.026	-18.9	-0.0004	0.00520	mg/L				>999.9%
Sn 189.933	118.6	0.0072	0.00232	mg/L				32.28%
Ti 334.941	-10.8	0.0011	0.00039	mg/L				36.74%
Tl 190.800	-19.2	0.0010	0.00166	mg/L				165.53%
V 292.402	811.0	0.0002	0.00052	mg/L				258.35%
Zn 206.191	109.8	0.0004	0.00039	mg/L				90.14%

Mean Data ----------

ID: W-M2680027 Seq. No.: 21 Sample No.: 8 A/S Pos: 16

Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 5:39:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD

Y 371.030	3509365.5	0.993	0.0026	mg/L	0.26%
Ag 328.068	-1406.4	-0.0003	0.00005	mg/L	14.99%
Al 308.215	4843.4	0.0026	0.00070	mg/L	26.87%
As 188.979	-31.2	-0.0002	0.00104	mg/L	538.96%
B 249.773	2615.1	0.0291	0.00192	mg/L	6.61%
Ba 233.527	96.6	0.0002	0.00003	mg/L	13.33%
Be 313.107	-3892.1	0.0000	0.00001	mg/L	689.87%
Ca 315.887	-20.6	-0.0072	0.00035	mg/L	4.88%
Cd 226.502	-90.3	0.0000	0.00005	mg/L	493.65%
Co 228.616	-200.7	0.0005	0.00008	mg/L	15.39%
Cr 267.716	68.8	-0.0002	0.00027	mg/L	112.71%
Cu 324.754	2959.2	0.0002	0.00034	mg/L	161.15%
Fe 238.863	-172.8	-0.0084	0.00028	mg/L	3.37%
K 404.721	-1235.0	2.837	0.7795	mg/L	27.47%
Mg 279.079	459.6	-0.0256	0.00029	mg/L	1.14%
Mn 257.610	-183.3	0.0000	0.00001	mg/L	61.07%
Mo 202.030	-13.6	0.0002	0.00004	mg/L	25.44%
Na 330.237	1196.6	0.0584	0.05006	mg/L	85.70%
Ni 231.604	-159.6	0.0002	0.00017	mg/L	77.46%
Pb 220.353	20.3	-0.0005	0.00027	mg/L	59.83%
Sb 206.833	42.2	0.0043	0.00011	mg/L	2.56%
Se 196.026	-15.1	0.0016	0.00193	mg/L	120.08%
Sn 189.933	78.4	0.0011	0.00022	mg/L	18.96%
Ti 334.941	-350.6	0.0002	0.00008	mg/L	31.62%
Tl 190.800	-22.5	-0.0016	0.00113	mg/L	68.96%
V 292.402	824.5	0.0003	0.00005	mg/L	18.04%
Zn 206.191	123.7	0.0007	0.00022	mg/L	30.93%

Mean Data

ID: LCSW-M2680027 Seq. No.: 22 Sample No.: 9 A/S Pos: 17
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 5:44:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3702126.3	1.047	0.0011	mg/L				0.10%
Ag 328.068	6438.8	0.0497	0.00007	mg/L				0.14%
Al 308.215	32480.6	1.928	0.0115	mg/L				0.60%
As 188.979	20.2	0.0391	0.00167	mg/L				4.28%
B 249.773	62368.3	1.011	0.0045	mg/L				0.44%
Ba 233.527	160290.0	2.087	0.0097	mg/L				0.47%
Be 313.107	245203.6	0.0498	0.00003	mg/L				0.05%
Ca 315.887	225777.9	2.019	0.0110	mg/L				0.54%
Cd 226.502	3907.2	0.0513	0.00010	mg/L				0.19%
Co 228.616	10699.5	0.5223	0.00165	mg/L				0.32%
Cr 267.716	20850.2	0.2016	0.00065	mg/L				0.32%
Cu 324.754	56743.5	0.2593	0.00065	mg/L				0.25%
Fe 238.863	19590.3	1.012	0.0026	mg/L				0.26%
K 404.721	-97.2	23.49	0.744	mg/L				3.17%
Mg 279.079	32574.8	1.957	0.0104	mg/L				0.53%
Mn 257.610	182334.4	0.5124	0.00220	mg/L				0.43%
Mo 202.030	5743.3	0.4758	0.00054	mg/L				0.11%
Na 330.237	11228.3	17.78	0.112	mg/L				0.63%
Ni 231.604	15957.2	0.5226	0.00086	mg/L				0.16%
Pb 220.353	2118.0	0.5157	0.00093	mg/L				0.18%
Sb 206.833	898.3	0.5017	0.00149	mg/L				0.30%
Se 196.026	1902.9	1.014	0.0015	mg/L				0.15%
Sn 189.933	617.8	0.0825	0.00040	mg/L				0.48%
Ti 334.941	205761.3	0.5000	0.00167	mg/L				0.33%
Tl 190.800	2505.4	2.038	0.0015	mg/L				0.07%
V 292.402	96136.2	0.5015	0.00153	mg/L				0.30%
Zn 206.191	27805.6	0.5303	0.00325	mg/L				0.61%

Mean Data

ID: 527554 Seq. No.: 23 Sample No.: 10 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 5:49:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3749688.4	1.061	0.0056	mg/L				0.53%
Ag 328.068	-1399.8	-0.0003	0.00007	mg/L				25.42%
Al 308.215	5942.9	0.0792	0.00301	mg/L				3.80%

As 188.979	-31.1	-0.0001	0.00131	mg/L	941.12%
B 249.773	2927.9	0.0342	0.00198	mg/L	5.78%
Ba .527	1051.2	0.0127	0.00020	mg/L	1.58%
Be .107	-3593.6	0.0001	0.00000	mg/L	6.73%
Ca 315.887	1529274.3	13.72	0.005	mg/L	0.04%
Cd 226.502	-84.3	0.0001	0.00002	mg/L	36.37%
Co 228.616	-187.2	0.0011	0.00018	mg/L	15.43%
Cr 267.716	133.5	0.0004	0.00007	mg/L	17.95%
Cu 324.754	3158.9	0.0012	0.00005	mg/L	4.17%
Fe 238.863	3727.7	0.1930	0.00398	mg/L	2.06%
K 404.721	-1077.4	5.698	0.8230	mg/L	14.44%
Mg 279.079	52103.0	3.162	0.0588	mg/L	1.86%
Mn 257.610	5508.1	0.0160	0.00031	mg/L	1.91%
Mo 202.030	-8.0	0.0006	0.00009	mg/L	14.65%
Na 330.237	6933.2	10.19	0.273	mg/L	2.68%
Ni 231.604	-137.8	0.0009	0.00002	mg/L	1.72%
Pb 220.353	23.4	0.0003	0.00026	mg/L	83.44%
Sb 206.833	38.4	0.0021	0.00063	mg/L	29.35%
Se 196.026	-16.7	0.0007	0.00439	mg/L	587.27%
Sn 189.933	869.2	0.1204	0.00095	mg/L	0.79%
Ti 334.941	250.4	0.0017	0.00022	mg/L	12.62%
Tl 190.800	-17.2	0.0026	0.00133	mg/L	51.15%
V 292.402	842.4	0.0004	0.00018	mg/L	49.15%
Zn 206.191	278.6	0.0037	0.00009	mg/L	2.59%

Mean Data

ID: 527555 Seq. No.: 24 Sample No.: 11 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 5:54:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3563599.8	1.008	0.0139	mg/L				1.38%
Ag 328.068	-1784.1	-0.0027	0.00006	mg/L				2.19%
Al 308.215	5716.5	0.0634	0.00772	mg/L				12.16%
As .979	-33.3	-0.0018	0.00186	mg/L				102.95%
B .773	5013.8	0.0685	0.00062	mg/L				0.90%
Ba 233.527	2832.0	0.0359	0.00061	mg/L				1.69%
Be 313.107	-4000.8	0.0000	0.00001	mg/L				60.81%
Ca 315.887	33888090.2	304.1	2.52	mg/L				0.83%
Cd 226.502	-81.8	0.0001	0.00002	mg/L				20.77%
Co 228.616	-191.0	0.0010	0.00017	mg/L				17.21%
Cr 267.716	238.2	0.0014	0.00004	mg/L				2.95%
Cu 324.754	27701.0	0.1194	0.00091	mg/L				0.76%
Fe 238.863	16834.3	0.8700	0.00527	mg/L				0.61%
K 404.721	-1147.7	4.422	0.2164	mg/L				4.89%
Mg 279.079	73488.7	4.483	0.0289	mg/L				0.64%
Mn 257.610	12706.3	0.0362	0.00024	mg/L				0.67%
Mo 202.030	27.1	0.0035	0.00002	mg/L				0.50%
Na 330.237	67438.4	117.1	0.68	mg/L				0.58%
Ni 231.604	-101.2	0.0021	0.00040	mg/L				19.10%
Pb 220.353	22.0	0.0000	0.00060	mg/L				>999.9%
Sb 206.833	35.4	0.0004	0.00077	mg/L				210.93%
Se 196.026	-20.8	-0.0014	0.00021	mg/L				15.29%
Sn 189.933	958.1	0.1338	0.00192	mg/L				1.43%
Ti 334.941	-1432.2	-0.0024	0.00010	mg/L				4.10%
Tl 190.800	-18.1	0.0019	0.00186	mg/L				98.56%
V 292.402	1084.9	0.0016	0.00027	mg/L				16.57%
Zn 206.191	2168.7	0.0398	0.00062	mg/L				1.57%

Mean Data

ID: 527555D Seq. No.: 25 Sample No.: 12 A/S Pos: 20
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:00:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y .030	3513561.8	0.994	0.0001	mg/L				0.01%
Ag 28.068	-1812.6	-0.0029	0.00022	mg/L				7.68%
Al 308.215	5774.1	0.0675	0.00098	mg/L				1.46%
As 188.979	-34.0	-0.0024	0.00181	mg/L				76.07%
B 249.773	4963.3	0.0677	0.00083	mg/L				1.22%
Ba 233.527	2841.5	0.0360	0.00001	mg/L				0.04%

Be 313.107	-4031.0	0.0000	0.00001	mg/L	31.39%
Ca 315.887	34092190.5	305.9	1.81	mg/L	0.59%
Cd [illegible]6.502	-86.3	0.0000	0.00004	mg/L	102.24%
C [illegible].616	-199.0	0.0006	0.00006	mg/L	10.41%
Cr [illegible]7.716	229.3	0.0013	0.00005	mg/L	3.60%
Cu 324.754	28066.6	0.1212	0.00004	mg/L	0.03%
Fe 238.863	16957.3	0.8764	0.00112	mg/L	0.13%
K 404.721	-1263.9	2.313	1.5759	mg/L	68.12%
Mg 279.079	74757.2	4.561	0.0206	mg/L	0.45%
Mn 257.610	12860.9	0.0366	0.00008	mg/L	0.21%
Mo 202.030	23.6	0.0032	0.00006	mg/L	1.90%
Na 330.237	68540.1	119.0	0.34	mg/L	0.28%
Ni 231.604	-106.5	0.0019	0.00008	mg/L	4.31%
Pb 220.353	22.5	0.0001	0.00032	mg/L	365.60%
Sb 206.833	35.5	0.0004	0.00185	mg/L	412.15%
Se 196.026	-14.5	0.0019	0.00082	mg/L	42.88%
Sn 189.933	964.0	0.1347	0.00046	mg/L	0.34%
Ti 334.941	-1462.9	-0.0024	0.00010	mg/L	3.89%
Tl 190.800	-20.0	0.0004	0.00148	mg/L	421.54%
V 292.402	1098.6	0.0017	0.00007	mg/L	4.20%
Zn 206.191	2178.9	0.0400	0.00005	mg/L	0.12%

Mean Data

ID: 527555S Seq. No.: 26 Sample No.: 13 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:05:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3559242.5	1.007	0.0050	mg/L				0.50%
Ag 328.068	6123.2	0.0477	0.00000	mg/L				0.00%
Al 308.215	35355.0	2.129	0.0044	mg/L				0.21%
As 188.979	21.0	0.0397	0.00305	mg/L				7.68%
B 249.773	66339.9	1.076	0.0039	mg/L				0.36%
Ba [illegible]33.527	158600.2	2.065	0.0034	mg/L				0.16%
B [illegible].107	242877.6	0.0494	0.00002	mg/L				0.03%
C [illegible].887	34207394.1	307.0	1.49	mg/L				0.48%
Cd 226.502	3686.5	0.0485	0.00007	mg/L				0.14%
Co 228.616	10264.3	0.5014	0.00179	mg/L				0.36%
Cr 267.716	20435.1	0.1975	0.00014	mg/L				0.07%
Cu 324.754	82419.9	0.3830	0.00103	mg/L				0.27%
Fe 238.863	36093.0	1.865	0.0002	mg/L				0.01%
K 404.721	273.2	30.22	0.777	mg/L				2.57%
Mg 279.079	106181.3	6.501	0.0052	mg/L				0.08%
Mn 257.610	191532.8	0.5383	0.00037	mg/L				0.07%
Mo 202.030	5729.1	0.4746	0.00016	mg/L				0.03%
Na 330.237	82982.2	144.5	0.50	mg/L				0.35%
Ni 231.604	15122.9	0.4956	0.00201	mg/L				0.41%
Pb 220.353	2036.9	0.4957	0.00085	mg/L				0.17%
Sb 206.833	903.4	0.5047	0.00071	mg/L				0.14%
Se 196.026	1866.6	0.9952	0.00409	mg/L				0.41%
Sn 189.933	1445.0	0.2073	0.00086	mg/L				0.42%
Ti 334.941	204994.3	0.4982	0.00006	mg/L				0.01%
Tl 190.800	2341.7	1.906	0.0027	mg/L				0.14%
V 292.402	96087.2	0.5012	0.00014	mg/L				0.03%
Zn 206.191	27719.7	0.5286	0.00115	mg/L				0.22%

Mean Data

ID: 527555L Seq. No.: 27 Sample No.: 14 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:10:46 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3664752.3	1.037	0.0066	mg/L				0.63%
Ag 328.068	-1478.2	-0.0008	0.00007	mg/L				9.00%
Al 308.215	4861.2	0.0038	0.00094	mg/L				24.48%
A[illegible]8.979	-28.5	0.0018	0.00077	mg/L				41.78%
B [illegible].773	2474.2	0.0267	0.00108	mg/L				4.04%
Ba [illegible]33.527	622.6	0.0071	0.00015	mg/L				2.16%
Be 313.107	-3907.9	0.0000	0.00001	mg/L				125.80%
Ca 315.887	6930706.0	62.19	0.038	mg/L				0.06%
Cd 226.502	-83.0	0.0001	0.00006	mg/L				67.41%

Co 228.616	-201.0	0.0005	0.00004	mg/L	7.43%
Cr 267.716	103.1	0.0001	0.00002	mg/L	25.76%
Cu 324.754	7353.3	0.0214	0.00002	mg/L	0.12%
Fe .863	3138.3	0.1626	0.00064	mg/L	0.40%
K .721	-1218.7	3.134	0.1486	mg/L	4.74%
Mg 279.079	15072.7	0.8765	0.00609	mg/L	0.69%
Mn 257.610	2434.7	0.0074	0.00001	mg/L	0.14%
Mo 202.030	-4.7	0.0009	0.00025	mg/L	27.35%
Na 330.237	12172.7	19.45	0.071	mg/L	0.36%
Ni 231.604	-147.3	0.0006	0.00021	mg/L	34.08%
Pb 220.353	22.2	0.0000	0.00121	mg/L	>999.9%
Sb 206.833	35.7	0.0006	0.00000	mg/L	0.56%
Se 196.026	-18.0	0.0001	0.00170	mg/L	>999.9%
Sn 189.933	100.3	0.0044	0.00030	mg/L	6.87%
Ti 334.941	-555.1	-0.0002	0.00015	mg/L	60.83%
Tl 190.800	-15.2	0.0042	0.00004	mg/L	0.95%
V 292.402	836.6	0.0003	0.00021	mg/L	62.76%
Zn 206.191	517.9	0.0082	0.00003	mg/L	0.37%

Mean Data

ID: 527557 Seq. No.: 28 Sample No.: 15 A/S Pos: 23
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:16:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3534909.9	1.000	0.0049	mg/L				0.49%
Ag 328.068	-2234.6	-0.0056	0.00058	mg/L				10.31%
Al 308.215	5529.5	0.0504	0.00433	mg/L				8.58%
As 188.979	-30.3	0.0005	0.00033	mg/L				65.43%
B 249.773	6140.6	0.0870	0.00016	mg/L				0.18%
Ba 233.527	6369.7	0.0819	0.00059	mg/L				0.72%
Be 313.107	-4097.9	0.0000	0.00000	mg/L				5.94%
Ca 315.887	75128130.7	674.2	2.82	mg/L				0.42%
Cd 226.502	-75.0	0.0002	0.00001	mg/L				6.73%
Cr 9.616	-183.2	0.0013	0.00021	mg/L				16.02%
C. /.716	400.0	0.0030	0.00005	mg/L				1.58%
Cu 324.754	46670.1	0.2108	0.00301	mg/L				1.43%
Fe 238.863	54866.0	2.834	0.0331	mg/L				1.17%
K 404.721	-839.2	10.02	0.847	mg/L				8.45%
Mg 279.079	127115.6	7.793	0.1061	mg/L				1.36%
Mn 257.610	27977.4	0.0791	0.00097	mg/L				1.22%
Mo 202.030	34.6	0.0041	0.00005	mg/L				1.10%
Na 330.237	183427.7	321.2	4.60	mg/L				1.43%
Ni 231.604	-39.5	0.0041	0.00020	mg/L				4.98%
Pb 220.353	27.6	0.0013	0.00072	mg/L				53.86%
Sb 206.833	33.5	-0.0007	0.00156	mg/L				217.43%
Se 196.026	-13.7	0.0023	0.00078	mg/L				33.08%
Sn 189.933	1644.7	0.2374	0.00156	mg/L				0.66%
Ti 334.941	-3156.5	-0.0066	0.00009	mg/L				1.36%
Tl 190.800	-12.9	0.0061	0.00218	mg/L				36.06%
V 292.402	1550.1	0.0041	0.00021	mg/L				5.15%
Zn 206.191	3944.2	0.0738	0.00042	mg/L				0.57%

Mean Data

ID: 527558 Seq. No.: 29 Sample No.: 16 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:21:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3685127.1	1.042	0.0028	mg/L				0.27%
Ag 328.068	-1428.9	-0.0004	0.00020	mg/L				43.88%
Al 308.215	6272.0	0.1021	0.00376	mg/L				3.68%
As 188.979	-29.1	0.0014	0.00021	mg/L				15.26%
B 249.773	2135.8	0.0212	0.00072	mg/L				3.42%
Ba 233.527	1020.7	0.0123	0.00010	mg/L				0.78%
Be 313.107	-3858.6	0.0000	0.00001	mg/L				123.84%
C 5.887	1490656.0	13.37	0.062	mg/L				0.46%
Cd 26.502	-81.2	0.0001	0.00002	mg/L				14.14%
Co 228.616	-199.1	0.0006	0.00004	mg/L				7.35%
Cr 267.716	135.9	0.0004	0.00033	mg/L				79.95%
Cu 324.754	3110.1	0.0009	0.00025	mg/L				27.03%

e 238.863	4173.1	0.2160	0.00108	mg/L	0.50%
404.721	-1123.7	4.858	0.7007	mg/L	14.42%
g .079	50568.3	3.068	0.0041	mg/L	0.13%
n .610	7605.9	0.0219	0.00000	mg/L	0.01%
o .030	-11.9	0.0003	0.00006	mg/L	20.84%
a 330.237	5705.1	8.023	0.0081	mg/L	0.10%
i 231.604	-149.8	0.0005	0.00002	mg/L	4.62%
b 220.353	22.3	0.0000	0.00065	mg/L	>999.9%
b 206.833	31.3	-0.0020	0.00064	mg/L	31.51%
e 196.026	-13.8	0.0023	0.00232	mg/L	100.52%
n 189.933	842.1	0.1163	0.00095	mg/L	0.82%
i 334.941	381.6	0.0020	0.00002	mg/L	1.11%
l 190.800	-16.8	0.0030	0.00032	mg/L	10.86%
292.402	811.1	0.0002	0.00028	mg/L	139.57%
n 206.191	258.2	0.0033	0.00039	mg/L	11.99%

lean Data ----------

D: 527560 Seq. No.: 30 Sample No.: 17 A/S Pos: 25
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:26:27 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3672017.9	1.039	0.0009	mg/L				0.08%
g 328.068	-1408.1	-0.0003	0.00001	mg/L				3.42%
l 308.215	5061.4	0.0178	0.00219	mg/L				12.28%
s 188.979	-30.0	0.0007	0.00361	mg/L				521.97%
249.773	2045.8	0.0197	0.00005	mg/L				0.27%
a 233.527	990.5	0.0119	0.00008	mg/L				0.69%
e 313.107	-3924.5	0.0000	0.00001	mg/L				104.85%
a 315.887	1593844.8	14.30	0.008	mg/L				0.06%
d 226.502	-86.8	0.0000	0.00002	mg/L				56.60%
o 228.616	-204.1	0.0003	0.00025	mg/L				72.97%
r 267.716	124.1	0.0003	0.00014	mg/L				46.07%
u 324.754	3278.2	0.0017	0.00019	mg/L				10.90%
e .863	904.8	0.0472	0.00037	mg/L				0.78%
.721	-1158.8	4.220	0.8158	mg/L				19.33%
g 279.079	54121.8	3.287	0.0033	mg/L				0.10%
n 257.610	3824.7	0.0113	0.00005	mg/L				0.45%
o 202.030	-11.7	0.0003	0.00009	mg/L				27.27%
a 330.237	7992.9	12.06	0.137	mg/L				1.13%
i 231.604	-142.5	0.0008	0.00016	mg/L				20.23%
b 220.353	22.1	0.0000	0.00073	mg/L				>999.9%
b 206.833	36.4	0.0010	0.00005	mg/L				5.43%
e 196.026	-18.4	-0.0001	0.00056	mg/L				426.37%
n 189.933	891.0	0.1237	0.00140	mg/L				1.13%
i 334.941	-370.2	0.0002	0.00004	mg/L				20.11%
l 190.800	-17.8	0.0021	0.00078	mg/L				36.39%
292.402	806.1	0.0002	0.00023	mg/L				128.99%
n 206.191	326.7	0.0046	0.00011	mg/L				2.35%

lean Data ----------

D: CCV Seq. No.: 31 Sample No.: 2 A/S Pos: 3
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:31:36 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3577473.8	1.012	0.0053	mg/L				0.52%
g 328.068	74589.4	0.4839	0.00166	mg/L				0.34%
l 308.215	145003.5	9.769	0.0287	mg/L				0.29%
s 188.979	1288.3	1.009	0.0045	mg/L				0.45%
249.773	149176.0	2.438	0.0212	mg/L				0.87%
a 233.527	795449.3	10.36	0.009	mg/L				0.09%
e 313.107	1248099.1	0.2505	0.00001	mg/L				0.01%
a 315.887	2849116.9	25.56	0.013	mg/L				0.05%
d 226.502	39313.9	0.5056	0.00262	mg/L				0.52%
.616	52510.3	2.524	0.0060	mg/L				0.24%
.716	51645.1	0.5006	0.00234	mg/L				0.47%
u 324.754	262010.1	1.248	0.0076	mg/L				0.61%
e 238.863	96614.3	4.991	0.0231	mg/L				0.46%
404.721	123.3	27.50	0.991	mg/L				3.60%
g 279.079	408687.4	25.17	0.009	mg/L				0.04%

Mn 257.610	273104.8	0.7673	0.00026	mg/L	0.03%
Mo 202.030	29206.1	2.414	0.0140	mg/L	0.58%
Na 330.237	14436.9	23.45	0.089	mg/L	0.38%
Ni .604	63112.4	2.051	0.0093	mg/L	0.45%
Pb .353	2069.3	0.5037	0.00297	mg/L	0.59%
Sb 206.833	8575.8	4.962	0.0543	mg/L	1.09%
Se 196.026	932.5	0.5019	0.00268	mg/L	0.53%
Sn 189.933	36043.7	5.427	0.0396	mg/L	0.73%
Ti 334.941	1013487.0	2.459	0.0008	mg/L	0.03%
Tl 190.800	1263.4	1.036	0.0070	mg/L	0.67%
V 292.402	478174.2	2.511	0.0027	mg/L	0.11%
Zn 206.191	52873.3	1.010	0.0038	mg/L	0.38%

Mean Data ----------

ID: CCB Seq. No.: 32 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:36:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3629310.3	1.027	0.0145	mg/L				1.41%
Ag 328.068	-1420.2	-0.0004	0.00024	mg/L				61.25%
Al 308.215	4735.0	-0.0049	0.00430	mg/L				86.93%
As 188.979	-31.1	-0.0001	0.00158	mg/L				>999.9%
B 249.773	2677.3	0.0301	0.00354	mg/L				11.76%
Ba 233.527	203.3	0.0016	0.00058	mg/L				35.57%
Be 313.107	-3564.8	0.0001	0.00001	mg/L				19.06%
Ca 315.887	1614.3	0.0075	0.00282	mg/L				37.51%
Cd 226.502	-84.0	0.0001	0.00003	mg/L				38.07%
Co 228.616	-190.6	0.0010	0.00003	mg/L				2.55%
Cr 267.716	92.3	0.0000	0.00012	mg/L				969.36%
Cu 324.754	3391.6	0.0023	0.00121	mg/L				52.72%
Fe 238.863	-250.4	-0.0124	0.00043	mg/L				3.46%
K 404.721	-1136.2	4.631	0.2713	mg/L				5.86%
*QC exceeds upper limit for K 404.721 Action = Continue								
Mg .079	120.5	-0.0465	0.00126	mg/L				2.70%
Mn .610	-145.2	0.0001	0.00003	mg/L				26.82%
Mo 202.030	-3.8	0.0010	0.00015	mg/L				15.96%
Na 330.237	1178.0	0.0255	0.06659	mg/L				260.79%
Ni 231.604	-149.0	0.0006	0.00008	mg/L				13.89%
Pb 220.353	21.4	-0.0002	0.00042	mg/L				242.17%
Sb 206.833	71.6	0.0214	0.00696	mg/L				32.43%
*QC exceeds upper limit for Sb 206.833 Action = Continue								
Se 196.026	-21.7	-0.0019	0.00083	mg/L				44.02%
Sn 189.933	136.1	0.0098	0.00320	mg/L				32.51%
Ti 334.941	36.5	0.0012	0.00052	mg/L				43.84%
Tl 190.800	-16.1	0.0035	0.00092	mg/L				26.51%
V 292.402	848.3	0.0004	0.00052	mg/L				129.82%
Zn 206.191	97.7	0.0002	0.00028	mg/L				140.49%

Mean Data ----------

ID: 527561 Seq. No.: 33 Sample No.: 18 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:41:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3589440.7	1.015	0.0078	mg/L				0.77%
Ag 328.068	-1783.0	-0.0027	0.00003	mg/L				1.29%
Al 308.215	5736.9	0.0649	0.00449	mg/L				6.93%
As 188.979	-31.6	-0.0005	0.00106	mg/L				199.05%
B 249.773	4929.3	0.0671	0.00022	mg/L				0.32%
Ba 233.527	2831.6	0.0359	0.00016	mg/L				0.44%
Be 313.107	-3985.8	0.0000	0.00000	mg/L				14.84%
Ca 315.887	33668697.3	302.1	3.09	mg/L				1.02%
Cd 226.502	-88.0	0.0000	0.00003	mg/L				134.13%
Co 228.616	-195.0	0.0008	0.00012	mg/L				16.08%
Cr 267.716	165.6	0.0007	0.00001	mg/L				1.05%
Cu 324.754	13801.5	0.0524	0.00056	mg/L				1.07%
Fe 238.863	613.5	0.0322	0.00049	mg/L				1.53%
K 404.721	-1096.1	5.358	1.3779	mg/L				25.72%
Mg 279.079	80924.2	4.942	0.0204	mg/L				0.41%
Mn 257.610	12309.2	0.0351	0.00014	mg/L				0.39%

Mo 202.030	28.4	0.0036	0.00004	mg/L	1.05%
Na 330.237	70093.3	121.8	0.72	mg/L	0.59%
Ni 231.604	-108.4	0.0019	0.00012	mg/L	6.38%
P 213.353	23.6	0.0004	0.00022	mg/L	57.56%
Sb 206.833	44.6	0.0057	0.00157	mg/L	27.31%
Se 196.026	-21.1	-0.0015	0.00226	mg/L	145.99%
Sn 189.933	1089.3	0.1536	0.00096	mg/L	0.62%
Ti 334.941	-1860.1	-0.0034	0.00010	mg/L	3.01%
Tl 190.800	-20.9	-0.0004	0.00113	mg/L	290.65%
V 292.402	843.6	0.0004	0.00033	mg/L	87.99%
Zn 206.191	1934.3	0.0353	0.00020	mg/L	0.56%

Mean Data

ID: 527562 Seq. No.: 34 Sample No.: 19 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:47:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3457140.2	0.978	0.0055	mg/L				0.56%
Ag 328.068	-2252.8	-0.0057	0.00007	mg/L				1.16%
Al 308.215	4994.6	0.0131	0.00080	mg/L				6.06%
As 188.979	-31.7	-0.0006	0.00081	mg/L				137.62%
B 249.773	5988.4	0.0845	0.00075	mg/L				0.89%
Ba 233.527	6038.4	0.0776	0.00017	mg/L				0.22%
Be 313.107	-4194.6	-0.0001	0.00001	mg/L				21.48%
Ca 315.887	74267441.5	666.5	0.55	mg/L				0.08%
Cd 226.502	-88.4	0.0000	0.00003	mg/L				175.64%
Co 228.616	-189.4	0.0010	0.00014	mg/L				13.21%
Cr 267.716	316.2	0.0022	0.00019	mg/L				8.70%
Cu 324.754	10033.7	0.0343	0.00040	mg/L				1.16%
Fe 238.863	628.2	0.0329	0.00128	mg/L				3.88%
K 404.721	-927.8	8.415	1.0281	mg/L				12.22%
Mg 279.079	133816.7	8.207	0.0171	mg/L				0.21%
Mn 257.610	27064.4	0.0765	0.00031	mg/L				0.41%
Mo 202.030	32.9	0.0040	0.00009	mg/L				2.21%
Na 330.237	184474.5	323.0	0.56	mg/L				0.17%
Ni 231.604	-44.9	0.0039	0.00021	mg/L				5.33%
Pb 220.353	25.3	0.0008	0.00027	mg/L				34.34%
Sb 206.833	35.4	0.0004	0.00102	mg/L				247.27%
Se 196.026	-16.7	0.0008	0.00499	mg/L				635.77%
Sn 189.933	1746.7	0.2528	0.00018	mg/L				0.07%
Ti 334.941	-3941.6	-0.0085	0.00002	mg/L				0.20%
Tl 190.800	-19.0	0.0012	0.00133	mg/L				113.86%
V 292.402	835.4	0.0003	0.00001	mg/L				2.40%
Zn 206.191	3027.9	0.0563	0.00001	mg/L				0.02%

Mean Data

ID: 529801 Seq. No.: 35 Sample No.: 20 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:52:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3761032.0	1.064	0.0077	mg/L				0.73%
Ag 328.068	-1418.3	-0.0004	0.00043	mg/L				112.09%
Al 308.215	5694.3	0.0619	0.00445	mg/L				7.19%
As 188.979	-28.8	0.0016	0.00367	mg/L				225.39%
B 249.773	2034.6	0.0195	0.00062	mg/L				3.15%
Ba 233.527	988.8	0.0119	0.00008	mg/L				0.67%
Be 313.107	-3789.6	0.0000	0.00001	mg/L				29.14%
Ca 315.887	1484663.5	13.32	0.069	mg/L				0.52%
Cd 226.502	-84.2	0.0001	0.00004	mg/L				63.32%
Co 228.616	-199.1	0.0006	0.00010	mg/L				16.88%
Cr 267.716	125.4	0.0003	0.00026	mg/L				83.57%
Cu 324.754	3069.1	0.0007	0.00019	mg/L				26.37%
Fe 238.863	3171.9	0.1643	0.00020	mg/L				0.12%
K 404.721	-988.5	7.312	1.1944	mg/L				16.33%
Mg 279.079	49733.7	3.016	0.0358	mg/L				1.19%
Mn 257.610	4644.2	0.0136	0.00010	mg/L				0.76%
Mo 202.030	-10.5	0.0004	0.00005	mg/L				11.09%
Na 330.237	6415.4	9.278	0.2123	mg/L				2.29%
Ni 231.604	-152.7	0.0004	0.00006	mg/L				14.04%

Pb 220.353	20.2	-0.0005	0.00059	mg/L	127.02%
Sb 206.833	34.1	-0.0004	0.00097	mg/L	262.30%
Se 196.026	-15.8	0.0013	0.00220	mg/L	174.93%
Sn 189.933	826.7	0.1140	0.00100	mg/L	0.88%
Ti 334.941	52.6	0.0012	0.00009	mg/L	7.35%
Tl 190.800	-16.9	0.0028	0.00034	mg/L	11.82%
V 292.402	797.2	0.0001	0.00005	mg/L	37.99%
Zn 206.191	294.1	0.0040	0.00009	mg/L	2.28%

Mean Data ----------

ID: 529802 Seq. No.: 36 Sample No.: 21 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 6:57:57 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3545860.1	1.003	0.0036	mg/L				0.36%
Ag 328.068	-1727.8	-0.0024	0.00019	mg/L				8.20%
Al 308.215	6151.6	0.0938	0.00350	mg/L				3.73%
As 188.979	-30.4	0.0004	0.00199	mg/L				483.32%
B 249.773	4050.6	0.0527	0.00056	mg/L				1.06%
Ba 233.527	2456.5	0.0310	0.00009	mg/L				0.30%
Be 313.107	-4079.9	0.0000	0.00000	mg/L				9.69%
Ca 315.887	26460490.8	237.4	2.19	mg/L				0.92%
Cd 226.502	-78.6	0.0001	0.00002	mg/L				13.64%
Co 228.616	-205.4	0.0003	0.00034	mg/L				122.89%
Cr 267.716	297.5	0.0020	0.00004	mg/L				2.14%
Cu 324.754	36838.0	0.1634	0.00048	mg/L				0.29%
Fe 238.863	32509.9	1.680	0.0089	mg/L				0.53%
K 404.721	-1135.5	4.644	0.8835	mg/L				19.03%
Mg 279.079	68891.8	4.199	0.0276	mg/L				0.66%
Mn 257.610	10550.0	0.0302	0.00010	mg/L				0.32%
Mo 202.030	16.0	0.0026	0.00012	mg/L				4.54%
Na 330.237	49836.6	85.99	0.222	mg/L				0.26%
Ni 231.604	-115.8	0.0016	0.00001	mg/L				0.57%
P 0.353	24.1	0.0005	0.00017	mg/L				34.38%
S 6.833	34.5	-0.0001	0.00007	mg/L				63.64%
Se 196.026	-24.3	-0.0032	0.00344	mg/L				106.49%
Sn 189.933	904.1	0.1257	0.00135	mg/L				1.08%
Ti 334.941	-876.2	-0.0010	0.00011	mg/L				10.99%
Tl 190.800	-21.8	-0.0011	0.00116	mg/L				105.34%
V 292.402	1343.8	0.0030	0.00014	mg/L				4.64%
Zn 206.191	1725.8	0.0313	0.00010	mg/L				0.31%

Mean Data ----------

ID: 529802D Seq. No.: 37 Sample No.: 22 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:03:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3583826.7	1.014	0.0020	mg/L				0.20%
Ag 328.068	-1731.9	-0.0024	0.00010	mg/L				4.04%
Al 308.215	5965.2	0.0808	0.00525	mg/L				6.50%
As 188.979	-33.6	-0.0020	0.00179	mg/L				89.12%
B 249.773	3887.0	0.0500	0.00005	mg/L				0.10%
Ba 233.527	2376.4	0.0299	0.00019	mg/L				0.63%
Be 313.107	-3987.3	0.0000	0.00000	mg/L				8.50%
Ca 315.887	25562093.0	229.4	0.56	mg/L				0.25%
Cd 226.502	-81.7	0.0001	0.00003	mg/L				31.05%
Co 228.616	-204.2	0.0003	0.00000	mg/L				1.06%
Cr 267.716	380.1	0.0028	0.00024	mg/L				8.74%
Cu 324.754	35686.3	0.1579	0.00042	mg/L				0.27%
Fe 238.863	31719.0	1.639	0.0055	mg/L				0.34%
K 404.721	-1178.1	3.869	0.3830	mg/L				9.90%
Mg 279.079	66998.5	4.082	0.0083	mg/L				0.20%
Mn 257.610	10386.5	0.0297	0.00002	mg/L				0.06%
Mo 202.030	19.3	0.0029	0.00015	mg/L				5.04%
Na 0.237	48386.7	83.42	0.411	mg/L				0.49%
Ni 231.604	-77.4	0.0029	0.00032	mg/L				11.06%
Pb 220.353	20.5	-0.0004	0.00035	mg/L				89.79%
Sb 206.833	35.2	0.0003	0.00048	mg/L				184.28%
Se 196.026	-21.2	-0.0016	0.00025	mg/L				15.48%

Sn 189.933	865.9	0.1199	0.00111 mg/L		0.93%
Ti 334.941	-869.4	-0.0010	0.00005 mg/L		4.63%
Tl [illegible]0.800	-18.0	0.0020	0.00055 mg/L		27.70%
V 402	1269.1	0.0026	0.00007 mg/L		2.73%
Zn [illegible].191	1674.1	0.0304	0.00019 mg/L		0.63%

Mean Data ----------

ID: 529802S Seq. No.: 38 Sample No.: 23 A/S Pos: 31
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:08:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3508534.3	0.992	0.0024	mg/L				0.25%
Ag 328.068	6384.4	0.0493	0.00034	mg/L				0.68%
Al 308.215	36041.3	2.176	0.0056	mg/L				0.26%
As 188.979	14.3	0.0346	0.00186	mg/L				5.37%
B 249.773	66428.7	1.078	0.0068	mg/L				0.63%
Ba 233.527	162266.5	2.112	0.0005	mg/L				0.02%
Be 313.107	251350.8	0.0511	0.00001	mg/L				0.02%
Ca 315.887	26710487.3	239.7	0.49	mg/L				0.21%
Cd 226.502	3813.8	0.0501	0.00032	mg/L				0.64%
Co 228.616	10487.8	0.5121	0.00038	mg/L				0.07%
Cr 267.716	20968.5	0.2027	0.00036	mg/L				0.18%
Cu 324.754	92280.0	0.4305	0.00032	mg/L				0.07%
Fe 238.863	51734.6	2.673	0.0005	mg/L				0.02%
K 404.721	292.9	30.58	0.031	mg/L				0.10%
Mg 279.079	100796.1	6.168	0.0010	mg/L				0.02%
Mn 257.610	193141.3	0.5428	0.00003	mg/L				0.01%
Mo 202.030	5905.0	0.4892	0.00286	mg/L				0.59%
Na 330.237	63755.7	110.6	0.22	mg/L				0.20%
Ni 231.604	15519.3	0.5084	0.00040	mg/L				0.08%
Pb 220.353	2104.8	0.5125	0.00360	mg/L				0.70%
Sb 206.833	928.1	0.5190	0.00599	mg/L				1.15%
Se [illegible]96.026	1895.9	1.011	0.0028	mg/L				0.28%
Sr [illegible].933	1401.6	0.2007	0.00217	mg/L				1.08%
Ti [illegible].941	209362.9	0.5088	0.00007	mg/L				0.01%
Tl [illegible]90.800	2464.9	2.006	0.0161	mg/L				0.80%
V 292.402	98289.5	0.5128	0.00030	mg/L				0.06%
Zn 206.191	27908.4	0.5322	0.00008	mg/L				0.01%

Mean Data ----------

ID: 529802A Seq. No.: 39 Sample No.: 24 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:14:18 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3517917.2	0.995	0.0025	mg/L				0.25%
Ag 328.068	5678.5	0.0448	0.00049	mg/L				1.09%
Al 308.215	34190.7	2.048	0.0094	mg/L				0.46%
As 188.979	14.6	0.0348	0.00342	mg/L				9.85%
B 249.773	65537.1	1.063	0.0089	mg/L				0.84%
Ba 233.527	149948.4	1.952	0.0055	mg/L				0.28%
Be 313.107	228421.3	0.0465	0.00004	mg/L				0.09%
Ca 315.887	26186184.9	235.0	0.26	mg/L				0.11%
Cd 226.502	3464.0	0.0456	0.00018	mg/L				0.39%
Co 228.616	9707.3	0.4748	0.00007	mg/L				0.01%
Cr 267.716	19431.8	0.1878	0.00032	mg/L				0.17%
Cu 324.754	88050.9	0.4102	0.00159	mg/L				0.39%
Fe 238.863	50240.4	2.595	0.0079	mg/L				0.30%
K 404.721	54.0	26.24	1.709	mg/L				6.51%
Mg 279.079	97975.9	5.994	0.0156	mg/L				0.26%
Mn 257.610	179425.3	0.5043	0.00147	mg/L				0.29%
Mo 202.030	5379.4	0.4457	0.00177	mg/L				0.40%
Na 330.237	62193.5	107.8	0.29	mg/L				0.27%
Ni 231.604	14350.9	0.4706	0.00063	mg/L				0.13%
Pb [illegible].353	1917.7	0.4664	0.00151	mg/L				0.32%
Sb [illegible].833	851.8	0.4747	0.00152	mg/L				0.32%
Se [illegible].026	-2.5	0.0083	0.00040	mg/L				4.89%
Sn 189.933	1334.5	0.1906	0.00117	mg/L				0.61%
Ti 334.941	194314.1	0.4723	0.00155	mg/L				0.33%
Tl 190.800	2300.4	1.873	0.0032	mg/L				0.17%

V 292.402	91199.1	0.4755	0.00150	mg/L	0.32%
Zn 206.191	25935.9	0.4945	0.00212	mg/L	0.43%

Sta ata

ID: 529802L Seq. No.: 40 Sample No.: 25 A/S Pos: 33
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:19:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3706332.4	1.048	0.0035	mg/L				0.33%
Ag 328.068	-1470.9	-0.0007	0.00002	mg/L				3.07%
Al 308.215	4885.7	0.0056	0.00124	mg/L				22.29%
As 188.979	-29.4	0.0011	0.00189	mg/L				168.08%
B 249.773	2231.4	0.0228	0.00135	mg/L				5.95%
Ba 233.527	532.8	0.0059	0.00006	mg/L				0.98%
Be 313.107	-3869.7	0.0000	0.00000	mg/L				70.54%
Ca 315.887	5230356.2	46.93	0.022	mg/L				0.05%
Cd 226.502	-85.4	0.0001	0.00001	mg/L				21.77%
Co 228.616	-186.6	0.0012	0.00005	mg/L				4.19%
Cr 267.716	112.4	0.0002	0.00010	mg/L				53.21%
Cu 324.754	8935.3	0.0290	0.00038	mg/L				1.32%
Fe 238.863	6070.3	0.3140	0.00001	mg/L				0.00%
K 404.721	-1207.9	3.328	1.2285	mg/L				36.91%
Mg 279.079	13341.0	0.7696	0.00338	mg/L				0.44%
Mn 257.610	1936.8	0.0060	0.00001	mg/L				0.12%
Mo 202.030	-5.4	0.0008	0.00028	mg/L				33.47%
Na 330.237	9164.2	14.13	0.054	mg/L				0.39%
Ni 231.604	-145.1	0.0007	0.00051	mg/L				73.75%
Pb 220.353	22.0	0.0000	0.00049	mg/L				>999.9%
Sb 206.833	33.9	-0.0005	0.00051	mg/L				108.39%
Se 196.026	-17.5	0.0003	0.00207	mg/L				628.80%
Sn 189.933	95.5	0.0037	0.00042	mg/L				11.21%
Ti 334.941	-426.6	0.0001	0.00002	mg/L				30.34%
Tl 190.800	-16.1	0.0035	0.00009	mg/L				2.54%
V 292.402	868.4	0.0005	0.00001	mg/L				2.50%
Zn 206.191	418.3	0.0063	0.00007	mg/L				1.04%

Mean Data

ID: 529804 Seq. No.: 41 Sample No.: 26 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:24:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3643815.7	1.031	0.0009	mg/L				0.09%
Ag 328.068	-1396.7	-0.0002	0.00061	mg/L				253.66%
Al 308.215	5638.8	0.0580	0.00110	mg/L				1.89%
As 188.979	-28.3	0.0020	0.00165	mg/L				81.67%
B 249.773	2085.1	0.0204	0.00052	mg/L				2.57%
Ba 233.527	1026.4	0.0124	0.00013	mg/L				1.07%
Be 313.107	-3910.3	0.0000	0.00001	mg/L				124.37%
Ca 315.887	1536375.4	13.78	0.011	mg/L				0.08%
Cd 226.502	-87.9	0.0000	0.00004	mg/L				187.67%
Co 228.616	-198.3	0.0006	0.00000	mg/L				0.02%
Cr 267.716	110.5	0.0002	0.00015	mg/L				91.42%
Cu 324.754	3336.3	0.0020	0.00024	mg/L				12.03%
Fe 238.863	3038.3	0.1574	0.00016	mg/L				0.10%
K 404.721	-1095.7	5.367	1.0986	mg/L				20.47%
Mg 279.079	51753.6	3.141	0.0231	mg/L				0.74%
Mn 257.610	6055.4	0.0175	0.00007	mg/L				0.38%
Mo 202.030	-11.2	0.0004	0.00008	mg/L				23.30%
Na 330.237	5853.4	8.285	0.0244	mg/L				0.29%
Ni 231.604	-149.9	0.0005	0.00009	mg/L				16.88%
Pb 220.353	19.6	-0.0006	0.00082	mg/L				135.16%
Sb 206.833	35.3	0.0003	0.00118	mg/L				350.85%
Se 196.026	-21.1	-0.0015	0.00137	mg/L				88.18%
Sn 189.933	858.6	0.1188	0.00003	mg/L				0.02%
Ti 334.941	5.5	0.0011	0.00013	mg/L				11.47%
Tl 190.800	-16.8	0.0029	0.00057	mg/L				19.37%
V 292.402	821.9	0.0003	0.00013	mg/L				52.06%
Zn 206.191	231.8	0.0028	0.00015	mg/L				5.32%

ean Data
D: 529807 Seq. No.: 42 Sample No.: 27 A/S Pos: 35
ar Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:29:27 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3756109.5	1.062	0.0206	mg/L				1.93%
g 328.068	-1434.1	-0.0005	0.00013	mg/L				27.41%
l 308.215	4870.0	0.0045	0.00894	mg/L				200.56%
s 188.979	-29.0	0.0014	0.00063	mg/L				43.42%
249.773	1853.0	0.0165	0.00104	mg/L				6.28%
a 233.527	929.7	0.0111	0.00023	mg/L				2.09%
e 313.107	-3846.2	0.0000	0.00002	mg/L				265.03%
a 315.887	1474158.3	13.22	0.006	mg/L				0.05%
d 226.502	-84.4	0.0001	0.00000	mg/L				6.46%
o 228.616	-200.0	0.0005	0.00019	mg/L				35.19%
r 267.716	110.5	0.0002	0.00003	mg/L				19.05%
u 324.754	3274.7	0.0017	0.00041	mg/L				23.56%
e 238.863	785.9	0.0411	0.00123	mg/L				3.00%
404.721	-1075.0	5.742	0.1387	mg/L				2.42%
g 279.079	49202.7	2.983	0.0846	mg/L				2.84%
n 257.610	3423.7	0.0101	0.00031	mg/L				3.05%
o 202.030	-11.1	0.0004	0.00008	mg/L				22.75%
a 330.237	7204.2	10.67	0.352	mg/L				3.30%
i 231.604	-146.1	0.0007	0.00006	mg/L				8.66%
b 220.353	20.0	-0.0005	0.00024	mg/L				45.52%
b 206.833	32.1	-0.0015	0.00146	mg/L				94.80%
e 196.026	-17.9	0.0001	0.00266	mg/L				>999.9%
n 189.933	818.1	0.1127	0.00340	mg/L				3.01%
i 334.941	-370.1	0.0002	0.00006	mg/L				31.68%
l 190.800	-18.4	0.0016	0.00151	mg/L				91.95%
292.402	772.2	0.0000	0.00049	mg/L				>999.9%
n 206.191	459.6	0.0071	0.00016	mg/L				2.29%

le ata
D V Seq. No.: 43 Sample No.: 2 A/S Pos: 3
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:34:35 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3567999.6	1.009	0.0082	mg/L				0.81%
g 328.068	74916.5	0.4860	0.00424	mg/L				0.87%
l 308.215	145784.1	9.823	0.0727	mg/L				0.74%
s 188.979	1289.7	1.010	0.0085	mg/L				0.84%
249.773	150053.5	2.452	0.0094	mg/L				0.39%
a 233.527	794591.6	10.35	0.004	mg/L				0.03%
e 313.107	1247085.1	0.2503	0.00012	mg/L				0.05%
a 315.887	2847659.4	25.55	0.011	mg/L				0.04%
d 226.502	39417.9	0.5069	0.00479	mg/L				0.94%
o 228.616	52661.8	2.531	0.0228	mg/L				0.90%
r 267.716	51839.6	0.5025	0.00414	mg/L				0.82%
u 324.754	263079.4	1.253	0.0090	mg/L				0.72%
e 238.863	96855.6	5.003	0.0425	mg/L				0.85%
404.721	238.0	29.58	0.671	mg/L				2.27%
QC exceeds upper limit for K 404.721		Recovery = 118.31%		Action = Continue				
g 279.079	408680.9	25.17	0.018	mg/L				0.07%
n 257.610	273982.3	0.7697	0.00154	mg/L				0.20%
o 202.030	29239.2	2.417	0.0165	mg/L				0.68%
a 330.237	14522.4	23.60	0.159	mg/L				0.67%
i 231.604	63270.5	2.056	0.0188	mg/L				0.92%
b 220.353	2062.9	0.5021	0.00345	mg/L				0.69%
b 206.833	8578.6	4.964	0.0285	mg/L				0.57%
e 196.026	935.2	0.5034	0.00355	mg/L				0.71%
n 189.933	36490.1	5.494	0.0342	mg/L				0.62%
i 334.941	1018150.6	2.470	0.0026	mg/L				0.11%
l 190.800	1261.8	1.035	0.0086	mg/L				0.83%
292.402	479673.8	2.518	0.0025	mg/L				0.10%
n 206.191	53026.6	1.013	0.0093	mg/L				0.92%

Mean Data
ID: CCB Seq. No.: 44 Sample No.: 4 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:39:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3612452.7	1.022	0.0033	mg/L				0.32%
Ag 328.068	-1361.9	0.0000	0.00040	mg/L				>999.9%
Al 308.215	4711.4	-0.0066	0.00205	mg/L				31.12%
As 188.979	-32.0	-0.0008	0.00172	mg/L				206.67%
B 249.773	2572.8	0.0284	0.00345	mg/L				12.16%
Ba 233.527	226.6	0.0019	0.00046	mg/L				23.68%
Be 313.107	-3571.5	0.0001	0.00002	mg/L				37.24%
Ca 315.887	1617.9	0.0075	0.00248	mg/L				32.88%
Cd 226.502	-82.4	0.0001	0.00001	mg/L				7.84%
Co 228.616	-186.8	0.0012	0.00022	mg/L				18.96%
Cr 267.716	117.3	0.0002	0.00016	mg/L				71.03%
Cu 324.754	3319.9	0.0019	0.00104	mg/L				53.44%
Fe 238.863	-290.5	-0.0145	0.00019	mg/L				1.28%
K 404.721	-1138.7	4.586	1.7872	mg/L				38.97%
*QC exceeds upper limit for K 404.721	Action = Continue							
Mg 279.079	-159.1	-0.0638	0.00161	mg/L				2.52%
Mn 257.610	-137.9	0.0001	0.00005	mg/L				35.95%
Mo 202.030	-0.4	0.0012	0.00047	mg/L				37.43%
Na 330.237	1166.3	0.0049	0.01660	mg/L				336.89%
Ni 231.604	-146.3	0.0006	0.00012	mg/L				18.02%
Pb 220.353	21.9	-0.0001	0.00110	mg/L				>999.9%
Sb 206.833	72.5	0.0219	0.00731	mg/L				33.36%
*QC exceeds upper limit for Sb 206.833	Action = Continue							
Se 196.026	-19.6	-0.0008	0.00633	mg/L				833.68%
Sn 189.933	135.3	0.0097	0.00327	mg/L				33.63%
Ti 334.941	67.1	0.0013	0.00058	mg/L				46.23%
Tl 190.800	-17.4	0.0025	0.00043	mg/L				17.64%
V 292.402	873.9	0.0005	0.00059	mg/L				110.50%
Zn 206.191	102.9	0.0003	0.00022	mg/L				74.08%

Mean Data
ID: 529808 Seq. No.: 45 Sample No.: 28 A/S Pos: 36
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 7:44:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3629396.6	1.027	0.0075	mg/L				0.73%
Ag 328.068	-1685.0	-0.0021	0.00012	mg/L				6.00%
Al 308.215	4784.4	-0.0015	0.00244	mg/L				162.26%
As 188.979	-32.5	-0.0012	0.00014	mg/L				10.86%
B 249.773	4283.7	0.0565	0.00038	mg/L				0.67%
Ba 233.527	2177.5	0.0273	0.00030	mg/L				1.10%
Be 313.107	-3912.6	0.0000	0.00000	mg/L				41.54%
Ca 315.887	25232010.3	226.4	2.44	mg/L				1.08%
Cd 226.502	-84.2	0.0001	0.00003	mg/L				45.25%
Co 228.616	-192.1	0.0009	0.00016	mg/L				17.46%
Cr 267.716	168.7	0.0007	0.00015	mg/L				19.93%
Cu 324.754	10442.5	0.0363	0.00007	mg/L				0.18%
Fe 238.863	-108.9	-0.0051	0.00035	mg/L				6.72%
K 404.721	-1087.5	5.514	1.6585	mg/L				30.07%
Mg 279.079	71268.0	4.346	0.0046	mg/L				0.11%
Mn 257.610	8760.1	0.0251	0.00011	mg/L				0.44%
Mo 202.030	15.5	0.0026	0.00004	mg/L				1.53%
Na 330.237	48340.2	83.34	0.156	mg/L				0.19%
Ni 231.604	-117.8	0.0016	0.00011	mg/L				7.27%
Pb 220.353	19.2	-0.0007	0.00010	mg/L				14.12%
Sb 206.833	40.3	0.0032	0.00057	mg/L				17.60%
Se 196.026	-21.3	-0.0017	0.00426	mg/L				252.89%
Sn 189.933	981.1	0.1373	0.00035	mg/L				0.26%
Ti 334.941	-1443.2	-0.0024	0.00003	mg/L				1.06%
Tl 190.800	-17.3	0.0025	0.00270	mg/L				106.47%
V 292.402	810.4	0.0002	0.00011	mg/L				57.42%
Zn 206.191	1188.3	0.0211	0.00001	mg/L				0.03%

Mean Data
ID: 529939 Seq. No.: 46 Sample No.: 29 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 7:50:00 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y [illegible].030	3646650.6	1.031	0.0037	mg/L				0.36%
Ag 328.068	-1453.5	-0.0006	0.00029	mg/L				48.40%
Al 308.215	6161.4	0.0944	0.00123	mg/L				1.30%
As 188.979	-27.4	0.0027	0.00103	mg/L				38.29%
B 249.773	2161.7	0.0216	0.00064	mg/L				2.94%
Ba 233.527	1047.3	0.0126	0.00001	mg/L				0.08%
Be 313.107	-3824.8	0.0000	0.00000	mg/L				34.88%
Ca 315.887	1538329.7	13.80	0.027	mg/L				0.20%
Cd 226.502	-84.1	0.0001	0.00007	mg/L				94.46%
Co 228.616	-200.1	0.0005	0.00007	mg/L				13.31%
Cr 267.716	116.7	0.0002	0.00005	mg/L				20.41%
Cu 324.754	3274.5	0.0017	0.00010	mg/L				5.57%
Fe 238.863	3761.9	0.1948	0.00055	mg/L				0.28%
K 404.721	-1096.9	5.344	0.6442	mg/L				12.06%
Mg 279.079	51400.8	3.119	0.0166	mg/L				0.53%
Mn 257.610	5595.8	0.0162	0.00002	mg/L				0.11%
Mo 202.030	-12.4	0.0003	0.00019	mg/L				76.00%
Na 330.237	6962.4	10.24	0.174	mg/L				1.70%
Ni 231.604	-159.3	0.0002	0.00016	mg/L				69.85%
Pb 220.353	21.7	-0.0001	0.00027	mg/L				264.74%
Sb 206.833	36.2	0.0009	0.00183	mg/L				213.95%
Se 196.026	-19.4	-0.0007	0.00308	mg/L				469.25%
Sn 189.933	859.5	0.1190	0.00051	mg/L				0.43%
Ti 334.941	186.7	0.0016	0.00000	mg/L				0.32%
Tl 190.800	-18.9	0.0013	0.00090	mg/L				72.06%
V 292.402	890.1	0.0006	0.00016	mg/L				25.96%
Zn 206.191	425.6	0.0065	0.00006	mg/L				0.95%

Mean Data

ID: 529941 Seq. No.: 47 Sample No.: 30 A/S Pos: 38

Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 7:55:13 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3651775.4	1.033	0.0114	mg/L				1.10%
Ag 328.068	-1708.6	-0.0022	0.00039	mg/L				17.54%
Al 308.215	5791.5	0.0687	0.00756	mg/L				11.01%
As 188.979	-30.5	0.0003	0.00202	mg/L				632.41%
B 249.773	3531.4	0.0441	0.00040	mg/L				0.91%
Ba 233.527	2532.3	0.0320	0.00051	mg/L				1.61%
Be 313.107	-3962.9	0.0000	0.00001	mg/L				31.67%
Ca 315.887	24205701.9	217.2	3.52	mg/L				1.62%
Cd 226.502	-79.5	0.0001	0.00004	mg/L				34.64%
Co 228.616	-193.5	0.0008	0.00018	mg/L				20.90%
Cr 267.716	200.7	0.0010	0.00002	mg/L				2.12%
Cu 324.754	21345.8	0.0888	0.00149	mg/L				1.68%
Fe 238.863	17542.2	0.9066	0.01667	mg/L				1.84%
K 404.721	-1107.1	5.159	0.3002	mg/L				5.82%
Mg 279.079	64637.6	3.936	0.0803	mg/L				2.04%
Mn 257.610	11517.4	0.0329	0.00073	mg/L				2.21%
Mo 202.030	7.6	0.0019	0.00018	mg/L				9.24%
Na 330.237	47153.1	81.24	1.664	mg/L				2.05%
Ni 231.604	-129.5	0.0012	0.00015	mg/L				12.18%
Pb 220.353	18.7	-0.0008	0.00072	mg/L				85.99%
Sb 206.833	36.4	0.0009	0.00139	mg/L				146.37%
Se 196.026	-21.3	-0.0017	0.00009	mg/L				5.25%
Sn 189.933	844.1	0.1166	0.00185	mg/L				1.58%
Ti 334.941	-923.8	-0.0011	0.00001	mg/L				0.75%
Tl 190.800	-19.8	0.0005	0.00097	mg/L				204.22%
V 292.402	1115.0	0.0018	0.00000	mg/L				0.14%
Zn 206.191	1469.0	0.0264	0.00040	mg/L				1.53%

M Data

I 29943 Seq. No.: 48 Sample No.: 31 A/S Pos: 39

Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 8:00:40 PM

Element	Mean Corr.	Mean		Calib	Mean	Sample		

Element	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
Y 371.030	3445579.4	0.975	0.0007	mg/L				0.07%
Ag .068	-2417.4	-0.0067	0.00062	mg/L				9.21%
Al .215	5427.9	0.0433	0.00103	mg/L				2.39%
As 188.979	-37.9	-0.0053	0.00253	mg/L				47.75%
B 249.773	5937.7	0.0837	0.00045	mg/L				0.54%
Ba 233.527	8043.7	0.1037	0.00042	mg/L				0.40%
Be 313.107	-4270.6	-0.0001	0.00002	mg/L				32.05%
Ca 315.887	87073732.7	781.4	2.57	mg/L				0.33%
Cd 226.502	-85.8	0.0000	0.00000	mg/L				2.36%
Co 228.616	-196.8	0.0007	0.00040	mg/L				58.19%
Cr 267.716	324.8	0.0022	0.00003	mg/L				1.17%
Cu 324.754	31888.4	0.1396	0.00061	mg/L				0.43%
Fe 238.863	28669.7	1.481	0.0109	mg/L				0.73%
K 404.721	-834.8	10.10	0.228	mg/L				2.26%
Mg 279.079	131653.2	8.073	0.0601	mg/L				0.74%
Mn 257.610	32845.3	0.0927	0.00075	mg/L				0.81%
Mo 202.030	30.3	0.0038	0.00023	mg/L				6.05%
Na 330.237	196937.4	344.9	2.76	mg/L				0.80%
Ni 231.604	-52.4	0.0037	0.00022	mg/L				5.93%
Pb 220.353	24.8	0.0007	0.00043	mg/L				66.42%
Sb 206.833	34.4	-0.0002	0.00057	mg/L				279.85%
Se 196.026	-19.0	-0.0004	0.00056	mg/L				130.08%
Sn 189.933	1683.2	0.2432	0.00066	mg/L				0.27%
Ti 334.941	-4347.9	-0.0094	0.00010	mg/L				1.04%
Tl 190.800	-21.5	-0.0008	0.00105	mg/L				127.17%
V 292.402	1219.7	0.0024	0.00049	mg/L				20.88%
Zn 206.191	3908.4	0.0731	0.00028	mg/L				0.38%

Mean Data ----------

ID: 529945 Seq. No.: 49 Sample No.: 32 A/S Pos: 40

Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 8:05:58 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3812605.9	1.078	0.0045	mg/L				0.42%
Ag 328.068	-1428.5	-0.0004	0.00012	mg/L				27.69%
Al 308.215	5776.6	0.0676	0.00078	mg/L				1.15%
As 188.979	-31.1	-0.0001	0.00190	mg/L				>999.9%
B 249.773	1659.8	0.0134	0.00098	mg/L				7.31%
Ba 233.527	974.1	0.0117	0.00004	mg/L				0.33%
Be 313.107	-3752.3	0.0000	0.00002	mg/L				68.68%
Ca 315.887	1437192.5	12.89	0.096	mg/L				0.74%
Cd 226.502	-77.4	0.0002	0.00003	mg/L				20.69%
Co 228.616	-192.1	0.0009	0.00005	mg/L				5.00%
Cr 267.716	116.9	0.0002	0.00018	mg/L				78.70%
Cu 324.754	2859.4	-0.0003	0.00017	mg/L				62.91%
Fe 238.863	3693.1	0.1912	0.00074	mg/L				0.39%
K 404.721	-1104.4	5.208	0.1580	mg/L				3.03%
Mg 279.079	47459.2	2.876	0.0006	mg/L				0.02%
Mn 257.610	7347.9	0.0212	0.00001	mg/L				0.04%
Mo 202.030	-11.2	0.0004	0.00006	mg/L				15.70%
Na 330.237	5420.6	7.521	0.1328	mg/L				1.77%
Ni 231.604	-141.1	0.0008	0.00027	mg/L				33.43%
Pb 220.353	20.9	-0.0003	0.00052	mg/L				177.51%
Sb 206.833	31.8	-0.0017	0.00037	mg/L				21.41%
Se 196.026	-15.5	0.0014	0.00095	mg/L				68.82%
Sn 189.933	793.3	0.1090	0.00043	mg/L				0.39%
Ti 334.941	162.6	0.0015	0.00001	mg/L				0.54%
Tl 190.800	-21.4	-0.0007	0.00080	mg/L				108.28%
V 292.402	819.2	0.0002	0.00008	mg/L				33.27%
Zn 206.191	373.7	0.0055	0.00001	mg/L				0.16%

Mean Data ----------

ID: 529947 Seq. No.: 50 Sample No.: 33 A/S Pos: 41

Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 8:11:01 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3686881.4	1.043	0.0019	mg/L				0.18%
Ag 328.068	-1409.6	-0.0003	0.00008	mg/L				24.12%

Al 308.215	5221.6	0.0290	0.01415 mg/L		48.85%
As 188.979	-30.5	0.0003	0.00466 mg/L		>999.9%
B .773	1592.3	0.0123	0.00047 mg/L		3.80%
B .527	974.5	0.0117	0.00007 mg/L		0.58%
Be .13.107	-3894.1	0.0000	0.00001 mg/L		219.07%
Ca 315.887	1519641.1	13.63	0.010 mg/L		0.08%
Cd 226.502	-87.6	0.0000	0.00001 mg/L		27.18%
Co 228.616	-203.7	0.0004	0.00021 mg/L		57.51%
Cr 267.716	104.0	0.0001	0.00002 mg/L		23.37%
Cu 324.754	3199.4	0.0014	0.00006 mg/L		4.28%
Fe 238.863	1283.9	0.0668	0.00073 mg/L		1.10%
K 404.721	-1058.8	6.036	0.2031 mg/L		3.36%
Mg 279.079	50751.6	3.079	0.0155 mg/L		0.50%
Mn 257.610	3034.2	0.0091	0.00003 mg/L		0.33%
Mo 202.030	-12.1	0.0003	0.00004 mg/L		12.37%
Na 330.237	7519.1	11.23	0.048 mg/L		0.43%
Ni 231.604	-147.2	0.0006	0.00011 mg/L		17.21%
Pb 220.353	21.9	-0.0001	0.00017 mg/L		264.98%
Sb 206.833	35.5	0.0004	0.00060 mg/L		135.29%
Se 196.026	-21.1	-0.0016	0.00150 mg/L		95.91%
Sn 189.933	848.8	0.1173	0.00048 mg/L		0.41%
Ti 334.941	-354.3	0.0002	0.00007 mg/L		30.16%
Tl 190.800	-22.3	-0.0015	0.00177 mg/L		117.01%
V 292.402	795.0	0.0001	0.00018 mg/L		154.60%
Zn 206.191	474.9	0.0074	0.00001 mg/L		0.16%

Mean Data

ID: 529948 Seq. No.: 51 Sample No.: 34 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 8:16:15 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3674396.5	1.039	0.0040	mg/L				0.39%
Ag 328.068	-1672.7	-0.0020	0.00024	mg/L				11.87%
A .215	4792.9	-0.0009	0.00057	mg/L				62.33%
As .8.979	-28.9	0.0015	0.00007	mg/L				4.52%
B 249.773	3015.1	0.0356	0.00034	mg/L				0.97%
Ba 233.527	2387.7	0.0301	0.00002	mg/L				0.07%
Be 313.107	-3983.6	0.0000	0.00002	mg/L				92.00%
Ca 315.887	23354315.1	209.6	0.10	mg/L				0.05%
Cd 226.502	-85.4	0.0001	0.00002	mg/L				33.02%
Co 228.616	-198.8	0.0006	0.00003	mg/L				5.60%
Cr 267.716	140.7	0.0005	0.00009	mg/L				18.66%
Cu 324.754	9097.4	0.0298	0.00065	mg/L				2.19%
Fe 238.863	-43.7	-0.0018	0.00001	mg/L				0.34%
K 404.721	-1076.0	5.723	0.9985	mg/L				17.45%
Mg 279.079	69005.7	4.206	0.0340	mg/L				0.81%
Mn 257.610	9345.9	0.0268	0.00018	mg/L				0.67%
Mo 202.030	2.7	0.0015	0.00004	mg/L				2.46%
Na 330.237	46863.4	80.73	0.729	mg/L				0.90%
Ni 231.604	-127.2	0.0013	0.00004	mg/L				3.34%
Pb 220.353	19.7	-0.0006	0.00002	mg/L				2.60%
Sb 206.833	29.4	-0.0031	0.00035	mg/L				11.48%
Se 196.026	-20.7	-0.0014	0.00071	mg/L				51.89%
Sn 189.933	901.3	0.1253	0.00021	mg/L				0.17%
Ti 334.941	-1420.7	-0.0023	0.00008	mg/L				3.39%
Tl 190.800	-18.0	0.0019	0.00280	mg/L				145.22%
V 292.402	844.0	0.0004	0.00013	mg/L				34.67%
Zn 206.191	1189.2	0.0211	0.00007	mg/L				0.31%

Mean Data

ID: 529949 Seq. No.: 52 Sample No.: 35 A/S Pos: 43
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 8:21:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
F nt								
Y .030	3568942.5	1.009	0.0050	mg/L				0.50%
Ag 328.068	-2331.0	-0.0062	0.00005	mg/L				0.74%
Al 308.215	5121.8	0.0220	0.00497	mg/L				22.58%
As 188.979	-32.1	-0.0009	0.00122	mg/L				140.50%
B 249.773	5208.3	0.0717	0.00032	mg/L				0.45%

a 233.527	7407.9	0.0955	0.00036	mg/L	0.38%
e 313.107	-4026.8	0.0000	0.00001	mg/L	35.16%
a .887	83291425.0	747.4	6.89	mg/L	0.92%
d .502	-66.7	0.0003	0.00002	mg/L	8.37%
o 228.616	-191.4	0.0009	0.00015	mg/L	16.07%
r 267.716	221.5	0.0012	0.00008	mg/L	6.16%
u 324.754	11450.0	0.0411	0.00023	mg/L	0.56%
e 238.863	-196.6	-0.0097	0.00004	mg/L	0.43%
404.721	-707.7	12.41	1.314	mg/L	10.59%
g 279.079	132192.4	8.106	0.0547	mg/L	0.67%
n 257.610	31777.3	0.0897	0.00064	mg/L	0.72%
o 202.030	27.3	0.0035	0.00010	mg/L	2.92%
a 330.237	187950.9	329.1	2.18	mg/L	0.66%
i 231.604	-40.9	0.0041	0.00018	mg/L	4.45%
b 220.353	22.6	0.0001	0.00030	mg/L	260.79%
b 206.833	32.5	-0.0013	0.00214	mg/L	167.32%
e 196.026	-16.2	0.0010	0.00076	mg/L	75.83%
n 189.933	1687.8	0.2439	0.00076	mg/L	0.31%
i 334.941	-4459.1	-0.0097	0.00005	mg/L	0.47%
l 190.800	-19.4	0.0008	0.00199	mg/L	238.58%
292.402	915.8	0.0008	0.00003	mg/L	4.53%
n 206.191	3523.6	0.0657	0.00046	mg/L	0.70%

Mean Data ----------

ID: CCV Seq. No.: 53 Sample No.: 2 A/S Pos: 3

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 8:27:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3575320.5	1.011	0.0060	mg/L				0.60%
Ag 328.068	75667.6	0.4908	0.00258	mg/L				0.52%
Al 308.215	147058.4	9.912	0.0542	mg/L				0.55%
As 188.979	1297.3	1.015	0.0022	mg/L				0.22%
B .773	150994.0	2.468	0.0008	mg/L				0.03%
Ba .527	794425.3	10.35	0.002	mg/L				0.02%
Be .107	1247005.9	0.2503	0.00004	mg/L				0.02%
Ca 315.887	2869913.7	25.75	0.104	mg/L				0.40%
Cd 226.502	39871.3	0.5127	0.00266	mg/L				0.52%
Co 228.616	53050.3	2.550	0.0182	mg/L				0.71%
Cr 267.716	52227.7	0.5063	0.00246	mg/L				0.49%
Cu 324.754	265583.7	1.266	0.0036	mg/L				0.29%
Fe 238.863	97519.4	5.037	0.0293	mg/L				0.58%
K 404.721	259.2	29.96	0.748	mg/L				2.50%
*QC exceeds upper limit for K 404.721		Recovery = 119.85%		Action = Continue				
Mg 279.079	408542.1	25.17	0.014	mg/L				0.06%
Mn 257.610	273922.3	0.7696	0.00172	mg/L				0.22%
Mo 202.030	29581.3	2.445	0.0124	mg/L				0.51%
Na 330.237	14714.7	23.94	0.255	mg/L				1.06%
Ni 231.604	63861.1	2.075	0.0107	mg/L				0.52%
Pb 220.353	2068.3	0.5035	0.00161	mg/L				0.32%
Sb 206.833	8583.1	4.966	0.0041	mg/L				0.08%
Se 196.026	932.9	0.5022	0.00469	mg/L				0.93%
Sn 189.933	37252.3	5.609	0.0261	mg/L				0.47%
*QC exceeds upper limit for Sn 189.933		Recovery = 112.18%		Action = Continue				
Ti 334.941	1018944.3	2.472	0.0007	mg/L				0.03%
Tl 190.800	1263.1	1.036	0.0040	mg/L				0.38%
V 292.402	479682.6	2.518	0.0016	mg/L				0.07%
Zn 206.191	53496.8	1.022	0.0074	mg/L				0.73%

Mean Data ----------

ID: CCB Seq. No.: 54 Sample No.: 4 A/S Pos: 1

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 8:32:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y .030	3630073.5	1.027	0.0042	mg/L				0.41%
A 8.068	-1411.4	-0.0003	0.00001	mg/L				3.18%
Al 308.215	4714.2	-0.0064	0.00272	mg/L				42.51%
As 188.979	-32.1	-0.0009	0.00131	mg/L				145.14%
B 249.773	2239.7	0.0229	0.00301	mg/L				13.13%
Ba 233.527	241.7	0.0021	0.00084	mg/L				39.48%

e 313.107	-3556.2	0.0001	0.00002 mg/L	28.55%
a 315.887	2325.0	0.0139	0.00442 mg/L	31.83%
d .502	-82.1	0.0001	0.00000 mg/L	1.53%
o .616	-185.7	0.0012	0.00023 mg/L	18.50%
r 267.716	75.7	-0.0002	0.00032 mg/L	186.06%
u 324.754	3345.3	0.0021	0.00100 mg/L	48.29%
e 238.863	-312.4	-0.0156	0.00039 mg/L	2.51%
404.721	-1279.0	2.039	1.1162 mg/L	54.75%
QC exceeds upper limit for K 404.721		Action = Continue		
g 279.079	-209.3	-0.0669	0.00446 mg/L	6.67%
n 257.610	-132.3	0.0002	0.00005 mg/L	30.44%
o 202.030	0.6	0.0013	0.00047 mg/L	35.52%
a 330.237	1196.2	0.0577	0.12084 mg/L	209.34%
i 231.604	-156.3	0.0003	0.00029 mg/L	90.76%
b 220.353	21.2	-0.0002	0.00090 mg/L	420.30%
b 206.833	69.9	0.0204	0.00905 mg/L	44.34%
QC exceeds upper limit for Sb 206.833		Action = Continue		
e 196.026	-12.4	0.0030	0.00077 mg/L	25.51%
n 189.933	137.8	0.0101	0.00373 mg/L	36.96%
i 334.941	95.5	0.0013	0.00054 mg/L	40.88%
l 190.800	-19.3	0.0009	0.00046 mg/L	50.07%
292.402	890.0	0.0006	0.00028 mg/L	45.11%
n 206.191	87.4	0.0000	0.00023 mg/L	>999.9%

Mean Data ----------

ID: CRI
Sample Qty: 1.0000 g

Seq. No.: 55 Sample No.: 5
Prep. Vol.: 1.0 L
Data: Original

A/S Pos: 6
Dilution: 1.0: 1.0
Date: 02/14/02 8:37:12 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3609191.2	1.021	0.0031	mg/L				0.30%
g 328.068	1504.7	0.0182	0.00032	mg/L				1.77%
l 308.215	4677.8	-0.0089	0.00049	mg/L				5.44%
s .979	-3.1	0.0212	0.00185	mg/L				8.72%
773	1522.0	0.0111	0.00094	mg/L				8.45%
a .527	81.7	0.0001	0.00003	mg/L				59.36%
e 313.107	45967.2	0.0100	0.00014	mg/L				1.37%
a 315.887	1396.0	0.0056	0.00091	mg/L				16.34%
d 226.502	712.7	0.0103	0.00003	mg/L				0.30%
o 228.616	1994.2	0.1056	0.00011	mg/L				0.10%
r 267.716	2182.6	0.0203	0.00031	mg/L				1.55%
u 324.754	12562.2	0.0465	0.00027	mg/L				0.59%
e 238.863	-334.1	-0.0168	0.00046	mg/L				2.74%
404.721	-1095.3	5.372	1.0885	mg/L				20.26%
g 279.079	-426.3	-0.0803	0.00243	mg/L				3.03%
n 257.610	10949.0	0.0313	0.00033	mg/L				1.06%
o 202.030	-13.8	0.0001	0.00007	mg/L				47.35%
a 330.237	1136.4	-0.0479	0.02466	mg/L				51.52%
i 231.604	2427.0	0.0841	0.00020	mg/L				0.24%
b 220.353	43.4	0.0052	0.00003	mg/L				0.58%
b 206.833	255.4	0.1282	0.00276	mg/L				2.15%
e 196.026	1.2	0.0102	0.00145	mg/L				14.15%
n 189.933	65.7	-0.0008	0.00047	mg/L				60.59%
i 334.941	-406.2	0.0001	0.00011	mg/L				98.03%
l 190.800	5.3	0.0208	0.00140	mg/L				6.74%
292.402	20125.0	0.1018	0.00094	mg/L				0.93%
n 206.191	2186.8	0.0402	0.00007	mg/L				0.18%

Mean Data ----------

ID: ICSA
Sample Qty: 1.0000 g

Seq. No.: 56 Sample No.: 6
Prep. Vol.: 1.0 L
Data: Original

A/S Pos: 7
Dilution: 1.0: 1.0
Date: 02/14/02 8:42:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3204157.9	0.906	0.0043	mg/L				0.47%
A 3.068	-3146.0	-0.0114	0.00057	mg/L				5.03%
A 8.215	7483056.9	521.1	1.79	mg/L				0.34%
As 188.979	-71.7	0.0037	0.00486	mg/L				129.89%
B 249.773	9680.5	0.1452	0.00019	mg/L				0.13%
Ba 233.527	-586.6	-0.0087	0.00006	mg/L				0.74%
Be 313.107	-4616.0	-0.0001	0.00002	mg/L				13.56%

Ca 315.887	54438889.3	488.5	1.61	mg/L	0.33%
Cd 226.502	1280.1	0.0065	0.00002	mg/L	0.35%
Co .616	-227.1	-0.0008	0.00002	mg/L	2.38%
Cr .716	834.0	0.0072	0.00005	mg/L	0.76%
Cu 324.754	938.4	0.0019	0.00040	mg/L	21.39%
Fe 238.863	3611370.5	186.5	0.36	mg/L	0.19%
K 404.721	-2628.6	2.894	1.0527	mg/L	36.37%
Mg 279.079	8604826.3	531.1	1.62	mg/L	0.30%
Mn 257.610	-2817.7	0.0087	0.00013	mg/L	1.44%
Mo 202.030	24.9	0.0033	0.00022	mg/L	6.68%
Na 330.237	1155.6	0.1132	0.01192	mg/L	10.53%
Ni 231.604	-157.5	0.0003	0.00024	mg/L	86.10%
Pb 220.353	-161.9	-0.0066	0.00197	mg/L	30.09%
Sb 206.833	36.1	0.0008	0.00024	mg/L	31.48%
Se 196.026	2.7	0.0013	0.00294	mg/L	220.89%
Sn 189.933	13755.6	0.0266	0.00208	mg/L	7.82%
Ti 334.941	-2841.7	-0.0058	0.00013	mg/L	2.19%
Tl 190.800	-49.4	-0.0234	0.00249	mg/L	10.65%
V 292.402	7868.4	0.0373	0.00003	mg/L	0.08%
Zn 206.191	1116.1	0.0053	0.00008	mg/L	1.56%

Mean Data ----------

ID: ICSAB Seq. No.: 57 Sample No.: 7 A/S Pos: 8

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 8:48:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3233890.6	0.915	0.0060	mg/L				0.65%
Ag 328.068	170882.2	1.098	0.0064	mg/L				0.59%
Al 308.215	7472033.1	520.3	3.77	mg/L				0.72%
As 188.979	-72.9	0.0028	0.00142	mg/L				50.41%
B 249.773	9540.3	0.1429	0.00309	mg/L				2.16%
Ba 233.527	40730.2	0.5295	0.00328	mg/L				0.62%
Be 313.107	2517385.3	0.5045	0.00007	mg/L				0.01%
Ca .887	53944809.5	484.1	3.00	mg/L				0.62%
Cd 226.502	75200.8	0.9550	0.00449	mg/L				0.47%
Co 228.616	9697.4	0.4743	0.00126	mg/L				0.27%
Cr 267.716	51580.6	0.5000	0.00210	mg/L				0.42%
Cu 324.754	112985.0	0.5417	0.00053	mg/L				0.10%
Fe 238.863	3613442.3	186.6	0.18	mg/L				0.10%
K 404.721	-2700.2	1.609	0.4371	mg/L				27.17%
Mg 279.079	8612279.5	531.6	3.32	mg/L				0.62%
Mn 257.610	177370.8	0.5146	0.00266	mg/L				0.52%
Mo 202.030	19.5	0.0029	0.00014	mg/L				4.87%
Na 330.237	1289.7	0.3558	0.01649	mg/L				4.63%
Ni 231.604	28234.5	0.9206	0.00245	mg/L				0.27%
Pb 220.353	3798.9	0.9679	0.00214	mg/L				0.22%
Sb 206.833	33.9	-0.0005	0.00148	mg/L				290.89%
Se 196.026	12.9	0.0067	0.00751	mg/L				111.65%
Sn 189.933	13608.3	0.0026	0.00012	mg/L				4.64%
Ti 334.941	-2706.1	-0.0055	0.00001	mg/L				0.10%
Tl 190.800	-53.9	-0.0270	0.00341	mg/L				12.62%
V 292.402	103657.6	0.5410	0.00361	mg/L				0.67%
Zn 206.191	49883.5	0.9383	0.00341	mg/L				0.36%

Mean Data ----------

ID: CCV Seq. No.: 58 Sample No.: 2 A/S Pos: 3

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/14/02 8:54:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3580506.6	1.013	0.0022	mg/L				0.22%
Ag 328.068	75632.1	0.4906	0.00344	mg/L				0.70%
Al 308.215	148168.3	9.990	0.0254	mg/L				0.25%
As 188.979	1290.1	1.010	0.0059	mg/L				0.58%
B .773	150545.0	2.460	0.0346	mg/L				1.41%
Ba 233.527	793265.1	10.33	0.010	mg/L				0.10%
Be 313.107	1246756.3	0.2502	0.00016	mg/L				0.06%
Ca 315.887	2861652.1	25.67	0.030	mg/L				0.12%
Cd 226.502	39712.8	0.5107	0.00299	mg/L				0.58%
Co 228.616	53135.9	2.554	0.0168	mg/L				0.66%

Cr 267.716	52411.3	0.5081	0.00336	mg/L		0.66%
Cu 324.754	265684.1	1.266	0.0112	mg/L		0.89%
Fe 238.863	99867.5	5.159	0.0008	mg/L		0.02%
K 404.721	212.7	29.12	0.903	mg/L		3.10%
*QC exceeds upper limit for K 404.721	Recovery = 116.47%	Action = Continue				
Mg 279.079	412635.6	25.42	0.014	mg/L		0.05%
Mn 257.610	273523.4	0.7684	0.00079	mg/L		0.10%
Mo 202.030	29519.9	2.440	0.0164	mg/L		0.67%
Na 330.237	14727.2	23.96	0.253	mg/L		1.05%
Ni 231.604	63843.8	2.075	0.0128	mg/L		0.62%
Pb 220.353	2061.2	0.5017	0.00422	mg/L		0.84%
Sb 206.833	8562.0	4.954	0.0516	mg/L		1.04%
Se 196.026	930.7	0.5010	0.00201	mg/L		0.40%
Sn 189.933	36305.2	5.466	0.0535	mg/L		0.98%
Ti 334.941	1016798.9	2.467	0.0016	mg/L		0.07%
Tl 190.800	1258.3	1.032	0.0128	mg/L		1.24%
V 292.402	479428.6	2.517	0.0007	mg/L		0.03%
Zn 206.191	53504.3	1.022	0.0047	mg/L		0.46%

Mean Data ----------

ID: CCB | Seq. No.: 59 | Sample No.: 4 | A/S Pos: 1
Sample Qty: 1.0000 g | Prep. Vol.: 1.0 L | Dilution: 1.0: 1.0
Data: Original | Date: 02/14/02 8:59:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3653649.8	1.033	0.0051	mg/L				0.49%
Ag 328.068	-1381.8	-0.0001	0.00021	mg/L				145.44%
Al 308.215	4731.9	-0.0052	0.00085	mg/L				16.46%
As 188.979	-27.0	0.0030	0.00257	mg/L				85.15%
B 249.773	2273.0	0.0234	0.00319	mg/L				13.63%
Ba 233.527	299.8	0.0029	0.00059	mg/L				20.55%
Be 313.107	-3289.8	0.0001	0.00002	mg/L				20.37%
Ca 315.887	2368.0	0.0143	0.00324	mg/L				22.66%
Cd 226.502	-78.9	0.0001	0.00001	mg/L				5.42%
Co 228.616	-179.8	0.0015	0.00045	mg/L				30.15%
Cr 267.716	125.8	0.0003	0.00033	mg/L				104.03%
Cu 324.754	3204.6	0.0014	0.00069	mg/L				49.79%
Fe 238.863	239.5	0.0129	0.00182	mg/L				14.15%
K 404.721	-1202.6	3.426	1.4310	mg/L				41.77%
*QC exceeds upper limit for K 404.721	Action = Continue							
Mg 279.079	4048.3	0.1960	0.01203	mg/L				6.14%
Mn 257.610	-110.6	0.0002	0.00008	mg/L				37.65%
Mo 202.030	0.6	0.0013	0.00027	mg/L				20.55%
Na 330.237	1143.1	-0.0361	0.17157	mg/L				475.44%
Ni 231.604	-131.7	0.0011	0.00020	mg/L				18.12%
Pb 220.353	21.8	-0.0001	0.00083	mg/L				>999.9%
Sb 206.833	72.7	0.0220	0.00689	mg/L				31.25%
*QC exceeds upper limit for Sb 206.833	Action = Continue							
Se 196.026	-18.4	-0.0002	0.00256	mg/L				>999.9%
Sn 189.933	215.6	0.0218	0.00355	mg/L				16.28%
Ti 334.941	122.2	0.0014	0.00048	mg/L				34.48%
Tl 190.800	-17.3	0.0025	0.00089	mg/L				35.66%
V 292.402	908.2	0.0007	0.00002	mg/L				3.24%
Zn 206.191	109.6	0.0004	0.00027	mg/L				62.62%

Mean Data ----------

ID: PBS-M2530070 | Seq. No.: 60 | Sample No.: 36 | A/S Pos: 44
Sample Qty: 1.0000 g | Prep. Vol.: 100.0 mL | Dilution: 1.0: 1.0
Data: Original | Date: 02/14/02 9:04:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3726816.4	1.054	0.0064	mg/L				0.61%
Ag 328.068	-1365.9	0.0000	0.00038	mg/L				831.97%
Al 308.215	4965.4	0.0111	0.00287	mg/L				25.88%
As 188.979	-33.1	-0.0017	0.00176	mg/L				104.75%
B 249.773	1838.0	0.0163	0.00127	mg/L				7.79%
Ba 233.527	117.5	0.0005	0.00015	mg/L				28.55%
Be 313.107	-3546.1	0.0001	0.00000	mg/L				4.58%
Ca 315.887	5915.0	0.0461	0.00119	mg/L				2.58%
Cd 226.502	-72.2	0.0002	0.00001	mg/L				3.57%
Co 228.616	-202.8	0.0004	0.00005	mg/L				11.38%

Cr 267.716	178.3	0.0008	0.00001	mg/L	0.90%
Cu 324.754	3189.4	0.0013	0.00039	mg/L	29.71%
Fe [illegible].863	386.2	0.0204	0.00074	mg/L	3.63%
K 721	-1160.0	4.199	0.4307	mg/L	10.26%
Mg [illegible].079	1980.5	0.0683	0.00078	mg/L	1.14%
Mn 257.610	-119.3	0.0002	0.00002	mg/L	7.92%
Mo 202.030	-14.0	0.0001	0.00016	mg/L	124.52%
Na 330.237	1574.4	0.7259	0.05689	mg/L	7.84%
Ni 231.604	-162.1	0.0001	0.00019	mg/L	143.12%
Pb 220.353	20.6	-0.0004	0.00084	mg/L	227.10%
Sb 206.833	39.6	0.0028	0.00086	mg/L	30.72%
Se 196.026	-19.5	-0.0007	0.00038	mg/L	53.71%
Sn 189.933	222.8	0.0229	0.00172	mg/L	7.51%
Ti 334.941	-241.1	0.0005	0.00007	mg/L	12.70%
Tl 190.800	-19.2	0.0010	0.00033	mg/L	34.32%
V 292.402	731.1	-0.0002	0.00048	mg/L	217.72%
Zn 206.191	811.2	0.0138	0.00017	mg/L	1.21%

Mean Data

ID: LCSS-M2530070 Seq. No.: 61 Sample No.: 37 A/S Pos: 45
Sample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 9:09:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3783869.0	1.070	0.0066	mg/L				0.61%
Ag 328.068	111156.4	0.7169	0.00079	mg/L				0.11%
Al 308.215	1002133.2	69.49	0.049	mg/L				0.07%
As 188.979	2157.9	1.692	0.0102	mg/L				0.60%
B 249.773	32855.5	0.5261	0.00254	mg/L				0.48%
Ba 233.527	123752.1	1.611	0.0004	mg/L				0.02%
Be 313.107	2046740.5	0.4103	0.00755	mg/L				1.84%
Ca 315.887	10646566.3	95.53	1.775	mg/L				1.86%
Cd 226.502	46432.9	0.5910	0.00056	mg/L				0.09%
Co [illegible].616	41039.5	1.975	0.0009	mg/L				0.05%
Cr [illegible].716	133233.6	1.293	0.0002	mg/L				0.02%
Cu [illegible].754	176947.2	0.8385	0.00294	mg/L				0.35%
Fe 238.863	1950620.7	100.8	0.00	mg/L				0.00%
K 404.721	-563.5	28.72	0.241	mg/L				0.84%
Mg 279.079	393369.7	24.23	0.022	mg/L				0.09%
Mn 257.610	1224932.3	3.439	0.0017	mg/L				0.05%
Mo 202.030	4964.4	0.4115	0.00178	mg/L				0.43%
Na 330.237	6262.3	9.007	0.0499	mg/L				0.55%
Ni 231.604	21090.1	0.6890	0.00524	mg/L				0.76%
Pb 220.353	4392.3	1.081	0.0076	mg/L				0.70%
Sb 206.833	331.2	0.1722	0.00289	mg/L				1.68%
Se 196.026	2473.3	1.316	0.0167	mg/L				1.27%
Sn 189.933	9322.5	1.396	0.0116	mg/L				0.83%
Ti 334.941	631604.7	1.533	0.0008	mg/L				0.06%
Tl 190.800	856.7	0.7079	0.00324	mg/L				0.46%
V 292.402	293071.8	1.537	0.0001	mg/L				0.00%
Zn 206.191	122975.6	2.351	0.0001	mg/L				0.00%

Mean Data

ID: 526757 1/2 Seq. No.: 62 Sample No.: 38 A/S Pos: 46
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/14/02 9:14:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3744323.0	1.059	0.0066	mg/L				0.62%
Ag 328.068	-1815.2	-0.0029	0.00013	mg/L				4.54%
Al 308.215	677387.7	46.87	0.076	mg/L				0.16%
As 188.979	-29.3	0.0012	0.00003	mg/L				2.50%
B 249.773	7237.2	0.1050	0.00038	mg/L				0.36%
Ba 233.527	82396.9	1.072	0.0039	mg/L				0.36%
Be 313.107	-2666.9	0.0002	0.00000	mg/L				0.39%
Ca [illegible].887	11186637.6	100.4	0.04	mg/L				0.04%
Cd [illegible].502	239.5	0.0042	0.00004	mg/L				1.05%
Co [illegible]8.616	211.3	0.0202	0.00002	mg/L				0.11%
Cr 267.716	3434.2	0.0324	0.00104	mg/L				3.20%
Cu 324.754	9810.9	0.0332	0.00016	mg/L				0.48%
Fe 238.863	865321.0	44.70	0.141	mg/L				0.32%

404.721	-610.5	20.25	1.041	mg/L	5.14%
g 279.079	412428.1	25.41	0.089	mg/L	0.35%
n .610	373751.9	1.050	0.0025	mg/L	0.23%
o ..030	-3.9	0.0010	0.00007	mg/L	7.16%
a 330.237	5213.0	7.154	0.0433	mg/L	0.61%
i 231.604	693.5	0.0279	0.00023	mg/L	0.83%
b 220.353	126.9	0.0296	0.00090	mg/L	3.04%
b 206.833	34.9	0.0001	0.00056	mg/L	805.36%
e 196.026	-16.6	0.0008	0.00003	mg/L	3.63%
n 189.933	4824.7	0.7171	0.00584	mg/L	0.81%
i 334.941	664237.3	1.612	0.0039	mg/L	0.24%
l 190.800	-33.4	-0.0105	0.00254	mg/L	24.30%
292.402	19163.7	0.0967	0.00027	mg/L	0.28%
n 206.191	7742.2	0.1464	0.00144	mg/L	0.98%

lean Data

ID: 526760 1/2 Seq. No.: 63 Sample No.: 39 A/S Pos: 47
Sample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/14/02 9:20:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3784902.6	1.071	0.0236	mg/L				2.20%
Ag 328.068	-3213.9	-0.0118	0.00058	mg/L				4.94%
Al 308.215	393456.3	27.08	0.713	mg/L				2.63%
As 188.979	-73.9	0.0217	0.00298	mg/L				13.71%
B 249.773	17713.8	0.2772	0.00632	mg/L				2.28%
Ba 233.527	66011.6	0.8587	0.02111	mg/L				2.46%
Be 313.107	-4311.8	-0.0001	0.00002	mg/L				28.32%
Ca 315.887	9086239.8	81.53	2.175	mg/L				2.67%
Cd 226.502	1733.8	0.0061	0.00004	mg/L				0.72%
Co 228.616	541.0	0.0360	0.00053	mg/L				1.49%
Cr 267.716	108806.4	1.056	0.0241	mg/L				2.28%
Cu 324.754	177700.3	0.8600	0.02072	mg/L				2.41%
Fe 238.863	5652001.2	291.9	7.65	mg/L				2.62%
K .721	-2793.2	14.23	0.766	mg/L				5.38%
Mg 279.079	196361.8	12.07	0.283	mg/L				2.35%
Mn 257.610	1045989.2	2.962	0.0748	mg/L				2.53%
Mo 202.030	966.7	0.0812	0.00219	mg/L				2.69%
Na 330.237	1856.0	2.342	0.2177	mg/L				9.30%
Ni 231.604	6823.4	0.2266	0.00562	mg/L				2.48%
Pb 220.353	582.3	0.1323	0.00308	mg/L				2.33%
Sb 206.833	28.8	-0.0035	0.00048	mg/L				13.76%
Se 196.026	-8.6	0.0050	0.00210	mg/L				41.55%
Sn 189.933	2962.2	0.4362	0.01131	mg/L				2.59%
Ti 334.941	424681.5	1.031	0.0259	mg/L				2.52%
Tl 190.800	-69.6	-0.0397	0.00025	mg/L				0.64%
V 292.402	28651.2	0.1466	0.00365	mg/L				2.49%
Zn 206.191	99921.1	1.910	0.0432	mg/L				2.26%

Mean Data

ID: 526763 1/10 Seq. No.: 64 Sample No.: 40 A/S Pos: 48
Sample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/14/02 9:25:22 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3779776.1	1.069	0.0005	mg/L				0.04%
Ag 328.068	-1505.5	-0.0009	0.00017	mg/L				18.54%
Al 308.215	30594.2	1.797	0.0233	mg/L				1.30%
As 188.979	-27.1	0.0029	0.00104	mg/L				35.51%
B 249.773	1277.5	0.0071	0.00050	mg/L				7.04%
Ba 233.527	2991.4	0.0379	0.00014	mg/L				0.37%
Be 313.107	-3676.6	0.0000	0.00000	mg/L				2.19%
Ca 315.887	709389.0	6.359	0.0052	mg/L				0.08%
Cd 226.502	-4.8	0.0011	0.00005	mg/L				4.64%
Co 228.616	-160.8	0.0024	0.00019	mg/L				7.97%
C 7.716	448.8	0.0035	0.00057	mg/L				16.61%
Cu 324.754	3248.1	0.0016	0.00007	mg/L				4.21%
Fe 238.863	81808.1	4.226	0.0612	mg/L				1.45%
K 404.721	-1195.1	3.562	0.3893	mg/L				10.93%
Mg 279.079	12552.4	0.7209	0.00790	mg/L				1.10%
Mn 257.610	26962.1	0.0762	0.00080	mg/L				1.05%

o 202.030	-10.5	0.0004	0.00001 mg/L		1.39%
a 330.237	1583.2	0.7415	0.04889 mg/L		6.59%
i .604	-78.8	0.0028	0.00004 mg/L		1.29%
b .353	104.4	0.0202	0.00033 mg/L		1.61%
b .833	33.6	-0.0006	0.00027 mg/L		42.46%
e 196.026	-12.2	0.0031	0.00227 mg/L		72.54%
n 189.933	234.3	0.0247	0.00054 mg/L		2.20%
i 334.941	33328.6	0.0819	0.00079 mg/L		0.97%
l 190.800	-21.0	-0.0005	0.00119 mg/L		244.06%
292.402	2368.3	0.0084	0.00012 mg/L		1.46%
n 206.191	110570.0	2.114	0.0087 mg/L		0.41%

ean Data ----------

D: 526765 1/10 Seq. No.: 65 Sample No.: 41 A/S Pos: 49
ample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/14/02 9:30:21 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3732602.0	1.056	0.0016	mg/L				0.15%
g 328.068	-1445.9	-0.0006	0.00036	mg/L				65.00%
l 308.215	38788.8	2.368	0.0079	mg/L				0.33%
s 188.979	-30.6	0.0002	0.00145	mg/L				680.20%
249.773	1250.2	0.0066	0.00116	mg/L				17.55%
a 233.527	4504.1	0.0577	0.00002	mg/L				0.03%
e 313.107	-3920.0	0.0000	0.00001	mg/L				120.97%
a 315.887	1212558.7	10.87	0.011	mg/L				0.10%
d 226.502	-40.0	0.0006	0.00002	mg/L				3.08%
o 228.616	-167.4	0.0021	0.00029	mg/L				13.85%
r 267.716	494.5	0.0039	0.00006	mg/L				1.53%
u 324.754	3097.1	0.0009	0.00017	mg/L				19.97%
e 238.863	76959.8	3.976	0.0164	mg/L				0.41%
404.721	-1174.5	3.936	0.5095	mg/L				12.94%
g 279.079	15551.6	0.9061	0.00173	mg/L				0.19%
n 257.610	29253.2	0.0827	0.00042	mg/L				0.51%
c .030	-7.6	0.0007	0.00024	mg/L				36.61%
a .237	1505.3	0.6038	0.17643	mg/L				29.22%
i 231.604	-76.0	0.0029	0.00005	mg/L				1.61%
b 220.353	95.0	0.0179	0.00044	mg/L				2.43%
b 206.833	30.1	-0.0027	0.00181	mg/L				67.89%
e 196.026	-19.7	-0.0008	0.00167	mg/L				200.69%
n 189.933	253.2	0.0275	0.00014	mg/L				0.49%
i 334.941	44472.7	0.1089	0.00078	mg/L				0.72%
l 190.800	-20.7	-0.0002	0.00261	mg/L				>999.9%
292.402	2709.1	0.0102	0.00004	mg/L				0.35%
n 206.191	78221.8	1.495	0.0160	mg/L				1.07%

ean Data ----------

D: 526767 1/500 Seq. No.: 66 Sample No.: 42 A/S Pos: 50
ample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 500.0
Data: Original Date: 02/14/02 9:35:20 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3769923.7	1.066	0.0055	mg/L				0.52%
g 328.068	-1371.9	-0.0001	0.00017	mg/L				199.39%
l 308.215	4786.6	-0.0014	0.00543	mg/L				401.87%
s 188.979	-27.4	0.0027	0.00117	mg/L				43.59%
249.773	670.4	-0.0029	0.00030	mg/L				10.43%
a 233.527	50.9	-0.0003	0.00001	mg/L				4.01%
e 313.107	-3758.6	0.0000	0.00000	mg/L				1.54%
a 315.887	3231.4	0.0220	0.00120	mg/L				5.46%
d 226.502	33.3	0.0016	0.00007	mg/L				4.25%
o 228.616	-199.0	0.0006	0.00002	mg/L				3.32%
r 267.716	125.9	0.0003	0.00021	mg/L				65.51%
u 324.754	2648.0	-0.0013	0.00001	mg/L				0.72%
e 238.863	655.4	0.0343	0.00066	mg/L				1.91%
721	-1229.2	2.942	0.7250	mg/L				24.65%
g .079	142.7	-0.0451	0.00250	mg/L				5.54%
n 257.610	71.3	0.0007	0.00001	mg/L				1.12%
o 202.030	-21.1	-0.0005	0.00029	mg/L				61.95%
a 330.237	3680.3	4.446	0.1355	mg/L				3.05%
i 231.604	-152.9	0.0004	0.00013	mg/L				30.38%

All below CK 2/19/02

b 220.353	1016.4	0.2446	0.00312	mg/L	1.27%
b 206.833	32.3	-0.0014	0.00029	mg/L	20.84%
e 026	-17.5	0.0003	0.00274	mg/L	790.36%
n 933	50.4	-0.0031	0.00058	mg/L	18.90%
i .941	-139.7	0.0008	0.00002	mg/L	3.21%
l 190.800	-20.3	0.0001	0.00057	mg/L	483.66%
292.402	699.1	-0.0004	0.00008	mg/L	20.06%
n 206.191	740903.9	14.17 LR	0.047	mg/L	0.34%

ean Data ----------

D: 526769 1/500 Seq. No.: 67 Sample No.: 43 A/S Pos: 51
ample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 500.0
Data: Original Date: 02/14/02 9:40:20 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3739936.6	1.058	0.0040	mg/L				0.38%
g 328.068	-1391.5	-0.0002	0.00009	mg/L				42.70%
l 308.215	6873.0	0.1440	0.00287	mg/L				1.99%
s 188.979	-29.1	0.0014	0.00129	mg/L				91.40%
249.773	636.0	-0.0035	0.00026	mg/L				7.42%
a 233.527	369.7	0.0038	0.00001	mg/L				0.13%
e 313.107	-3815.5	0.0000	0.00001	mg/L				38.13%
a 315.887	50878.8	0.4496	0.00109	mg/L				0.24%
d 226.502	-86.4	0.0000	0.00001	mg/L				16.35%
o 228.616	-199.4	0.0006	0.00006	mg/L				10.90%
r 267.716	114.0	0.0002	0.00025	mg/L				124.28%
u 324.754	2313.2	-0.0029	0.00001	mg/L				0.30%
e 238.863	3633.6	0.1882	0.00322	mg/L				1.71%
404.721	-1218.1	3.143	1.2420	mg/L				39.51%
g 279.079	1150.1	0.0171	0.00262	mg/L				15.38%
n 257.610	2688.3	0.0081	0.00007	mg/L				0.89%
o 202.030	-15.3	0.0000	0.00019	mg/L				>999.9%
a 330.237	1047.8	-0.2044	0.05558	mg/L				27.19%
i .604	-159.7	0.0002	0.00017	mg/L				82.02%
b .353	21.3	-0.0002	0.00021	mg/L				103.21%
b .833	32.7	-0.0012	0.00073	mg/L				62.43%
e 196.026	-17.8	0.0002	0.00015	mg/L				72.65%
n 189.933	61.4	-0.0014	0.00019	mg/L				13.17%
i 334.941	2184.8	0.0064	0.00007	mg/L				1.12%
l 190.800	-21.7	-0.0010	0.00089	mg/L				88.73%
292.402	810.1	0.0002	0.00022	mg/L				111.84%
n 206.191	6085.4	0.1148	0.00337	mg/L				2.94%

lean Data ----------

D: 526771 1/10 Seq. No.: 68 Sample No.: 44 A/S Pos: 52
ample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/14/02 9:45:20 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3794263.0	1.073	0.0018	mg/L				0.17%
g 328.068	-1528.9	-0.0011	0.00043	mg/L				39.85%
l 308.215	104176.9	6.924	0.0641	mg/L				0.93%
s 188.979	-26.4	0.0035	0.00074	mg/L				21.32%
249.773	1461.5	0.0101	0.00000	mg/L				0.02%
a 233.527	17527.6	0.2273	0.00198	mg/L				0.87%
e 313.107	-4158.6	-0.0001	0.00000	mg/L				4.22%
a 315.887	3275098.3	29.38	0.023	mg/L				0.08%
d 226.502	-23.4	0.0008	0.00004	mg/L				4.54%
o 228.616	-109.1	0.0049	0.00003	mg/L				0.53%
r 267.716	763.9	0.0065	0.00003	mg/L				0.42%
u 324.754	3276.0	0.0017	0.00002	mg/L				0.98%
e 238.863	158588.1	8.192	0.0659	mg/L				0.80%
404.721	-1268.5	2.230	0.4024	mg/L				18.05%
g 279.079	52048.0	3.159	0.0189	mg/L				0.60%
n 257.610	150173.7	0.4221	0.00302	mg/L				0.72%
c .030	-11.8	0.0003	0.00024	mg/L				77.57%
a .237	1789.9	1.107	0.0583	mg/L				5.27%
i 231.604	42.5	0.0068	0.00017	mg/L				2.57%
b 220.353	69.6	0.0117	0.00015	mg/L				1.32%
b 206.833	33.5	-0.0007	0.00180	mg/L				255.68%
e 196.026	-15.5	0.0014	0.00519	mg/L				378.17%

n 189.933	795.8	0.1094	0.00039	mg/L	0.35%
i 334.941	117865.2	0.2869	0.00176	mg/L	0.61%
l 800	-25.5	-0.0041	0.00130	mg/L	31.88%
402	5191.3	0.0232	0.00027	mg/L	1.16%
n 206.191	168834.7	3.228	0.0151	mg/L	0.47%

ean Data ----------

D: 526773 1/500 Seq. No.: 69 Sample No.: 45 A/S Pos: 53
ample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 500.0
Data: Original Date: 02/14/02 9:50:19 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3739752.8	1.058	0.0081	mg/L				0.76%
g 328.068	-1441.5	-0.0005	0.00020	mg/L				37.15%
l 308.215	6405.0	0.1114	0.00316	mg/L				2.84%
s 188.979	-25.8	0.0039	0.00098	mg/L				24.79%
249.773	633.7	-0.0035	0.00033	mg/L				9.29%
a 233.527	397.7	0.0042	0.00004	mg/L				0.97%
e 313.107	-3832.5	0.0000	0.00001	mg/L				50.84%
a 315.887	22491.5	0.1949	0.00488	mg/L				2.51%
d 226.502	-22.0	0.0009	0.00006	mg/L				6.61%
o 228.616	-198.4	0.0006	0.00003	mg/L				5.28%
r 267.716	93.7	0.0000	0.00031	mg/L				>999.9%
u 324.754	2392.7	-0.0025	0.00019	mg/L				7.63%
e 238.863	3860.9	0.1999	0.00417	mg/L				2.08%
404.721	-1281.3	1.997	0.5201	mg/L				26.04%
g 279.079	789.9	-0.0052	0.00079	mg/L				15.24%
n 257.610	1237.4	0.0040	0.00007	mg/L				1.81%
o 202.030	-15.8	0.0000	0.00011	mg/L				427.61%
a 330.237	1449.8	0.5058	0.00853	mg/L				1.69%
i 231.604	-154.0	0.0004	0.00004	mg/L				10.74%
b 220.353	111.6	0.0220	0.00065	mg/L				2.95%
b 206.833	29.5	-0.0030	0.00201	mg/L				66.08%
e .026	-17.5	0.0003	0.00073	mg/L				214.94%
.933	53.8	-0.0026	0.00026	mg/L				9.97%
i 4.941	1625.1	0.0050	0.00006	mg/L				1.16%
l 190.800	-22.2	-0.0014	0.00132	mg/L				91.05%
292.402	809.8	0.0002	0.00009	mg/L				45.74%
n 206.191	135976.4	2.600	0.0046	mg/L				0.18%

lean Data ----------

D: CCV Seq. No.: 70 Sample No.: 8 A/S Pos: 4
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 9:55:28 PM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3560420.2	1.007	0.0099	mg/L				0.98%
g 328.068	76187.9	0.4941	0.00674	mg/L				1.36%
l 308.215	147977.8	9.976	0.1605	mg/L				1.61%
s 188.979	1300.7	1.018	0.0129	mg/L				1.27%
249.773	151504.4	2.476	0.0470	mg/L				1.90%
a 233.527	802935.7	10.46	0.010	mg/L				0.09%
e 313.107	1260585.8	0.2530	0.00012	mg/L				0.05%
a 315.887	2880501.0	25.84	0.020	mg/L				0.08%
d 226.502	40167.9	0.5165	0.00820	mg/L				1.59%
o 228.616	53321.7	2.563	0.0356	mg/L				1.39%
r 267.716	52727.8	0.5111	0.00690	mg/L				1.35%
u 324.754	267615.0	1.275	0.0224	mg/L				1.76%
e 238.863	99379.0	5.134	0.0477	mg/L				0.93%
404.721	222.7	29.30	0.559	mg/L				1.91%
*QC exceeds upper limit for K 404.721		Recovery = 117.20%		Action = Continue				
g 279.079	413111.8	25.45	0.021	mg/L				0.08%
n 257.610	277434.3	0.7794	0.00980	mg/L				1.26%
o 202.030	29889.9	2.471	0.0403	mg/L				1.63%
a 330.237	14777.2	24.05	0.351	mg/L				1.46%
i .604	64370.3	2.092	0.0291	mg/L				1.39%
b .353	2092.8	0.5095	0.00629	mg/L				1.24%
b 206.833	8645.0	5.002	0.0872	mg/L				1.74%
e 196.026	943.9	0.5080	0.00736	mg/L				1.45%
n 189.933	36522.9	5.499	0.0831	mg/L				1.51%
i 334.941	1025417.4	2.487	0.0074	mg/L				0.30%

l 190.800	1279.6	1.049	0.0162	mg/L	1.54%
292.402	483913.6	2.541	0.0053	mg/L	0.21%
n .191	56027.8	1.070	0.0075	mg/L	0.70%

lean Data

D: CCB Seq. No.: 71 Sample No.: 9 A/S Pos: 5
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 10:00:32 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3598860.3	1.018	0.0071	mg/L				0.69%
g 328.068	-1422.0	-0.0004	0.00024	mg/L				58.77%
l 308.215	4726.9	-0.0055	0.00119	mg/L				21.60%
s 188.979	-30.1	0.0006	0.00297	mg/L				472.65%
249.773	2134.4	0.0212	0.00360	mg/L				17.00%
a 233.527	218.3	0.0018	0.00087	mg/L				47.56%
e 313.107	-3509.0	0.0001	0.00005	mg/L				66.57%
a 315.887	1411.0	0.0057	0.00373	mg/L				65.53%
d 226.502	-83.7	0.0001	0.00003	mg/L				44.90%
o 228.616	-186.7	0.0012	0.00037	mg/L				31.55%
r 267.716	117.3	0.0002	0.00012	mg/L				50.41%
u 324.754	3223.4	0.0015	0.00132	mg/L				89.08%
e 238.863	-50.3	-0.0021	0.00144	mg/L				68.03%
404.721	-1203.1	3.417	1.5004	mg/L				43.91%
QC exceeds upper limit for K 404.721		Action = Continue						
g 279.079	211.9	-0.0409	0.00631	mg/L				15.45%
n 257.610	-131.1	0.0002	0.00005	mg/L				32.29%
o 202.030	-3.6	0.0010	0.00038	mg/L				38.56%
a 330.237	1159.1	-0.0078	0.04521	mg/L				578.24%
i 231.604	-155.9	0.0003	0.00023	mg/L				67.19%
b 220.353	19.7	-0.0006	0.00021	mg/L				35.91%
b 206.833	69.2	0.0200	0.00456	mg/L				22.75%
QC exceeds upper limit for Sb 206.833		Action = Continue						
e 6.026	-17.5	0.0003	0.00147	mg/L				452.01%
i .933	139.7	0.0104	0.00322	mg/L				31.04%
i 4.941	47.9	0.0012	0.00050	mg/L				41.49%
l 190.800	-19.6	0.0007	0.00174	mg/L				250.78%
292.402	806.2	0.0002	0.00046	mg/L				262.26%
n 206.191	892.4	0.0154	0.00175	mg/L				11.37%

lean Data

ID: 526774 1/5 Seq. No.: 72 Sample No.: 46 A/S Pos: 54
ample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0
Data: Original Date: 02/14/02 10:05:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3753293.2	1.062	0.0042	mg/L				0.40%
Ag 328.068	-1635.3	-0.0018	0.00030	mg/L				16.80%
Al 308.215	211558.6	14.41	0.101	mg/L				0.70%
As 188.979	-27.4	0.0027	0.00259	mg/L				96.56%
B 249.773	3222.3	0.0390	0.00143	mg/L				3.67%
Ba 233.527	34099.0	0.4431	0.00182	mg/L				0.41%
Be 313.107	-4221.7	-0.0001	0.00000	mg/L				2.45%
Ca 315.887	4645482.1	41.68	0.009	mg/L				0.02%
Cd 226.502	48.9	0.0018	0.00008	mg/L				4.30%
Co 228.616	-49.9	0.0077	0.00022	mg/L				2.84%
Cr 267.716	1405.9	0.0127	0.00007	mg/L				0.53%
Cu 324.754	4429.0	0.0073	0.00024	mg/L				3.26%
Fe 238.863	305480.8	15.78	0.094	mg/L				0.60%
K 404.721	-1097.5	7.478	0.8612	mg/L				11.52%
Mg 279.079	104075.8	6.371	0.0345	mg/L				0.54%
Mn 257.610	187749.1	0.5276	0.00403	mg/L				0.76%
Mo 202.030	-2.3	0.0011	0.00000	mg/L				0.36%
Na 330.237	1755.9	1.047	0.0470	mg/L				4.49%
Ni 231.604	113.3	0.0091	0.00025	mg/L				2.75%
P 3.353	86.3	0.0158	0.00009	mg/L				0.60%
Sb 6.833	41.2	0.0037	0.00108	mg/L				28.74%
Se 196.026	-19.1	-0.0005	0.00030	mg/L				60.76%
Sn 189.933	1589.8	0.2291	0.00192	mg/L				0.84%
Ti 334.941	228458.0	0.5551	0.00047	mg/L				0.08%
Tl 190.800	-30.0	-0.0077	0.00004	mg/L				0.54%

292.402	8294.8	0.0396	0.00019	mg/L	0.48%
n 206.191	83935.6	1.604	0.0040	mg/L	0.25%

le ata

D: 526775 1/2 Seq. No.: 73 Sample No.: 47 A/S Pos: 55
ample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/14/02 10:10:55 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3639256.0	1.029	0.0144	mg/L				1.40%
Ag 328.068	-2017.8	-0.0042	0.00010	mg/L				2.49%
Al 308.215	883085.2	61.20	1.024	mg/L				1.67%
As 188.979	-31.3	-0.0003	0.00194	mg/L				710.73%
B 249.773	8368.6	0.1236	0.00069	mg/L				0.56%
Ba 233.527	58348.9	0.7589	0.00636	mg/L				0.84%
Be 313.107	-3998.5	0.0000	0.00001	mg/L				37.92%
Ca 315.887	17106591.8	153.5	0.88	mg/L				0.58%
Cd 226.502	281.4	0.0048	0.00007	mg/L				1.45%
Co 228.616	363.2	0.0275	0.00019	mg/L				0.70%
Cr 267.716	4115.9	0.0391	0.00003	mg/L				0.08%
Cu 324.754	10918.0	0.0386	0.00007	mg/L				0.19%
Fe 238.863	1021630.5	52.77	0.897	mg/L				1.70%
K 404.721	-661.0	20.43	0.729	mg/L				3.57%
Mg 279.079	486620.2	29.99	0.520	mg/L				1.73%
Mn 257.610	418870.5	1.177	0.0199	mg/L				1.69%
Mo 202.030	2.9	0.0015	0.00028	mg/L				18.24%
Na 330.237	2440.7	2.256	0.0562	mg/L				2.49%
Ni 231.604	925.2	0.0354	0.00033	mg/L				0.92%
Pb 220.353	137.5	0.0334	0.00012	mg/L				0.35%
Sb 206.833	33.5	-0.0007	0.00189	mg/L				254.44%
Se 196.026	-16.7	0.0008	0.00077	mg/L				99.39%
Sn 189.933	5357.7	0.7975	0.01146	mg/L				1.44%
Ti 334.941	813745.2	1.974	0.0327	mg/L				1.65%
Tl 190.800	-38.9	-0.0149	0.00061	mg/L				4.11%
V 402	21503.5	0.1090	0.00092	mg/L				0.84%
Zn 6.191	9046.7	0.1714	0.00378	mg/L				2.21%

Mean Data

ID: 526776 1/10 Seq. No.: 74 Sample No.: 48 A/S Pos: 56
Sample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/14/02 10:16:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3852032.8	1.090	0.0024	mg/L				0.22%
Ag 328.068	-1595.7	-0.0015	0.00009	mg/L				5.75%
Al 308.215	84422.7	5.548	0.0045	mg/L				0.08%
As 188.979	-32.8	-0.0014	0.00155	mg/L				109.35%
B 249.773	2999.1	0.0354	0.00047	mg/L				1.33%
Ba 233.527	10843.4	0.1402	0.00034	mg/L				0.24%
Be 313.107	-3452.4	0.0001	0.00000	mg/L				3.62%
Ca 315.887	1747744.8	15.68	0.003	mg/L				0.02%
Cd 226.502	248.0	0.0043	0.00005	mg/L				1.12%
Co 228.616	-68.8	0.0068	0.00012	mg/L				1.81%
Cr 267.716	7040.7	0.0675	0.00023	mg/L				0.35%
Cu 324.754	21940.0	0.0917	0.00007	mg/L				0.07%
Fe 238.863	634806.5	32.79	0.010	mg/L				0.03%
K 404.721	-1307.8	5.973	0.3173	mg/L				5.31%
Mg 279.079	49123.0	2.978	0.0087	mg/L				0.29%
Mn 257.610	150247.4	0.4223	0.00109	mg/L				0.26%
Mo 202.030	65.4	0.0067	0.00001	mg/L				0.22%
Na 330.237	1367.5	0.3604	0.06326	mg/L				17.55%
Ni 231.604	402.7	0.0184	0.00011	mg/L				0.60%
Pb 220.353	1976.1	0.4808	0.00192	mg/L				0.40%
Sb 206.833	39.2	0.0026	0.00110	mg/L				42.34%
Se 196.026	-14.0	0.0022	0.00003	mg/L				1.51%
Sn 189.933	860.9	0.1192	0.00085	mg/L				0.71%
Ti 334.941	83153.8	0.2027	0.00046	mg/L				0.23%
Tl 190.800	-26.7	-0.0050	0.00030	mg/L				6.04%
V 292.402	4591.8	0.0201	0.00012	mg/L				0.58%
Zn 206.191	74341.8	1.421	0.0018	mg/L				0.12%

ean Data ----------
): 526777 1/2 Seq. No.: 75 Sample No.: 49 A/S Pos: 57
ar Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/14/02 10:21:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3865291.6	1.093	0.0084	mg/L				0.76%
g 328.068	-1904.7	-0.0035	0.00066	mg/L				18.88%
l 308.215	631129.7	43.64	0.027	mg/L				0.06%
s 188.979	-22.9	0.0062	0.00049	mg/L				7.92%
249.773	6288.0	0.0894	0.00154	mg/L				1.72%
a 233.527	90247.6	1.174	0.0204	mg/L				1.74%
e 313.107	-4092.4	0.0000	0.00002	mg/L				47.68%
a 315.887	10199085.5	91.52	0.447	mg/L				0.49%
d 226.502	262.1	0.0045	0.00004	mg/L				0.90%
o 228.616	201.9	0.0198	0.00016	mg/L				0.82%
r 267.716	3442.2	0.0325	0.00082	mg/L				2.51%
u 324.754	9120.6	0.0299	0.00067	mg/L				2.24%
e 238.863	857106.7	44.27	0.017	mg/L				0.04%
404.721	-933.5	14.33	1.118	mg/L				7.80%
g 279.079	319994.5	19.70	0.333	mg/L				1.69%
n 257.610	579765.5	1.628	0.0014	mg/L				0.09%
o 202.030	-0.6	0.0012	0.00002	mg/L				2.01%
a 330.237	2100.4	1.655	0.1157	mg/L				6.99%
i 231.604	633.9	0.0259	0.00024	mg/L				0.92%
b 220.353	192.0	0.0453	0.00023	mg/L				0.51%
b 206.833	26.5	-0.0048	0.00011	mg/L				2.29%
e 196.026	-11.1	0.0037	0.00262	mg/L				70.57%
n 189.933	4035.7	0.5981	0.00395	mg/L				0.66%
i 334.941	636459.4	1.544	0.0008	mg/L				0.05%
l 190.800	-43.9	-0.0189	0.00120	mg/L				6.34%
292.402	20312.5	0.1028	0.00197	mg/L				1.92%
n 206.191	25496.0	0.4861	0.00793	mg/L				1.63%

le ata ----------
ID: 526778 1/5 Seq. No.: 76 Sample No.: 50 A/S Pos: 58
ample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0
Data: Original Date: 02/14/02 10:26:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3767314.5	1.066	0.0042	mg/L				0.40%
Ag 328.068	-1666.1	-0.0020	0.00003	mg/L				1.62%
Al 308.215	322241.5	22.12	0.175	mg/L				0.79%
As 188.979	-23.8	0.0055	0.00119	mg/L				21.82%
B 249.773	3658.9	0.0462	0.00051	mg/L				1.10%
Ba 233.527	38185.6	0.4963	0.00295	mg/L				0.59%
Be 313.107	-3068.0	0.0002	0.00000	mg/L				0.52%
Ca 315.887	4804287.6	43.11	0.018	mg/L				0.04%
Cd 226.502	162.6	0.0032	0.00003	mg/L				0.87%
Co 228.616	2.6	0.0102	0.00028	mg/L				2.77%
Cr 267.716	2627.0	0.0246	0.00002	mg/L				0.08%
Cu 324.754	7284.6	0.0210	0.00016	mg/L				0.74%
Fe 238.863	491866.4	25.41	0.010	mg/L				0.04%
K 404.721	-1079.1	9.121	0.6238	mg/L				6.84%
Mg 279.079	167249.4	10.27	0.068	mg/L				0.66%
Mn 257.610	237454.4	0.6672	0.00505	mg/L				0.76%
Mo 202.030	-6.3	0.0008	0.00009	mg/L				12.37%
Na 330.237	1750.8	1.037	0.0085	mg/L				0.82%
Ni 231.604	305.7	0.0153	0.00001	mg/L				0.06%
Pb 220.353	772.8	0.1847	0.00065	mg/L				0.35%
Sb 206.833	32.1	-0.0015	0.00025	mg/L				16.31%
Se 196.026	-20.6	-0.0013	0.00164	mg/L				128.80%
Sn 189.933	2437.8	0.3571	0.00169	mg/L				0.47%
Ti 334.941	276885.4	0.6725	0.00024	mg/L				0.04%
Tl 190.800	-30.4	-0.0081	0.00025	mg/L				3.16%
V .402	8890.9	0.0427	0.00003	mg/L				0.06%
Zn 206.191	123881.0	2.368	0.0208	mg/L				0.88%

Mean Data ----------
ID: 526779 1/50 Seq. No.: 77 Sample No.: 51 A/S Pos: 59
Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 50.0

Data: Original Date: 02/14/02 10:31:47 PM

El c	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
? 371.030	3752758.6	1.061	0.0040	mg/L				0.37%
ag 328.068	-1499.2	-0.0009	0.00027	mg/L				29.63%
al 308.215	31278.4	1.845	0.0015	mg/L				0.08%
as 188.979	-30.5	0.0003	0.00225	mg/L				718.63%
3 249.773	1062.3	0.0035	0.00058	mg/L				16.34%
ba 233.527	2976.6	0.0378	0.00028	mg/L				0.73%
be 313.107	-3816.9	0.0000	0.00001	mg/L				54.51%
ca 315.887	412805.1	3.698	0.0121	mg/L				0.33%
cd 226.502	-41.5	0.0006	0.00003	mg/L				4.24%
co 228.616	-187.9	0.0011	0.00015	mg/L				13.53%
cr 267.716	241.4	0.0014	0.00025	mg/L				17.64%
cu 324.754	2659.9	-0.0012	0.00003	mg/L				2.58%
fe 238.863	43141.8	2.229	0.0056	mg/L				0.25%
k 404.721	-1186.0	3.727	0.9663	mg/L				25.93%
mg 279.079	15298.7	0.8905	0.00165	mg/L				0.18%
mn 257.610	20601.7	0.0584	0.00036	mg/L				0.61%
mo 202.030	-13.9	0.0001	0.00002	mg/L				13.35%
na 330.237	1253.7	0.1594	0.10480	mg/L				65.75%
ni 231.604	-120.6	0.0015	0.00026	mg/L				17.53%
pb 220.353	118.3	0.0237	0.00032	mg/L				1.37%
sb 206.833	30.9	-0.0022	0.00069	mg/L				31.13%
se 196.026	-18.1	0.0000	0.00061	mg/L				>999.9%
sn 189.933	284.3	0.0322	0.00005	mg/L				0.16%
ti 334.941	26380.1	0.0651	0.00007	mg/L				0.11%
tl 190.800	-20.2	0.0002	0.00048	mg/L				230.45%
v 292.402	1547.3	0.0041	0.00006	mg/L				1.35%
zn 206.191	55807.6	1.066	0.0001	mg/L				0.01%

lean Data

ID: 526780 1/10 Seq. No.: 78 Sample No.: 52 A/S Pos: 60

Sa[illegible] Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0

Data: Original Date: 02/14/02 10:36:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
? 371.030	3815856.9	1.079	0.0002	mg/L				0.02%
Ag 328.068	-1534.1	-0.0011	0.00006	mg/L				5.35%
Al 308.215	106029.6	7.053	0.0746	mg/L				1.06%
As 188.979	-28.7	0.0017	0.00002	mg/L				1.44%
B 249.773	1720.8	0.0144	0.00031	mg/L				2.15%
Ba 233.527	14678.2	0.1902	0.00195	mg/L				1.02%
Be 313.107	-3605.9	0.0001	0.00000	mg/L				7.59%
Ca 315.887	1869226.8	16.77	0.006	mg/L				0.04%
Cd 226.502	32.1	0.0016	0.00002	mg/L				1.03%
Co 228.616	-132.1	0.0038	0.00013	mg/L				3.31%
Cr 267.716	838.9	0.0072	0.00002	mg/L				0.33%
Cu 324.754	3891.6	0.0047	0.00007	mg/L				1.41%
Fe 238.863	169296.8	8.745	0.0790	mg/L				0.90%
K 404.721	-1177.4	3.883	1.2822	mg/L				33.02%
Mg 279.079	57244.1	3.480	0.0307	mg/L				0.88%
Mn 257.610	93673.0	0.2635	0.00234	mg/L				0.89%
Mo 202.030	-7.9	0.0006	0.00004	mg/L				6.01%
Na 330.237	1556.9	0.6950	0.28742	mg/L				41.36%
Ni 231.604	0.2	0.0054	0.00000	mg/L				0.07%
Pb 220.353	3831.5	0.9373	0.00337	mg/L				0.36%
Sb 206.833	31.6	-0.0018	0.00059	mg/L				32.30%
Se 196.026	-14.9	0.0017	0.00103	mg/L				59.65%
Sn 189.933	931.6	0.1298	0.00028	mg/L				0.21%
Ti 334.941	98893.8	0.2409	0.00227	mg/L				0.94%
Tl 190.800	-23.8	-0.0027	0.00052	mg/L				19.57%
V 292.402	3938.4	0.0166	0.00034	mg/L				2.04%
Zn 206.191	93318.1	1.784	0.0222	mg/L				1.25%

M[illegible]ata

IL [illegible]6781 1/2 Seq. No.: 79 Sample No.: 53 A/S Pos: 61

Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

Data: Original Date: 02/14/02 10:42:09 PM

	Mean Corr.	Mean		Calib	Mean	Sample		

lement	Intensity	Conc.	Std.Dev.	Units	Conc.	Std.Dev.	Units	RSD
371.030	3709828.2	1.049	0.0072	mg/L				0.68%
g .068	-1842.4	-0.0031	0.00024	mg/L				7.88%
l .215	805110.1	55.77	0.109	mg/L				0.20%
s 188.979	-27.7	0.0131	0.00048	mg/L				3.70%
249.773	7028.4	0.1016	0.00087	mg/L				0.86%
a 233.527	84991.4	1.106	0.0135	mg/L				1.22%
e 313.107	-2712.7	0.0002	0.00001	mg/L				3.61%
a 315.887	10190754.8	91.44	0.171	mg/L				0.19%
d 226.502	440.0	0.0068	0.00009	mg/L				1.27%
o 228.616	267.4	0.0229	0.00003	mg/L				0.14%
r 267.716	4353.5	0.0414	0.00026	mg/L				0.64%
u 324.754	14400.7	0.0553	0.00012	mg/L				0.22%
e 238.863	1096655.5	56.64	0.027	mg/L				0.05%
404.721	-883.3	16.92	0.783	mg/L				4.63%
g 279.079	421381.1	25.96	0.000	mg/L				0.00%
n 257.610	566214.6	1.590	0.0012	mg/L				0.08%
o 202.030	14.9	0.0025	0.00001	mg/L				0.40%
a 330.237	3982.5	4.980	0.0017	mg/L				0.03%
i 231.604	966.8	0.0367	0.00034	mg/L				0.92%
b 220.353	22825.5	5.615	0.0643	mg/L				1.14%
b 206.833	29.3	-0.0032	0.00029	mg/L				9.08%
e 196.026	-13.9	0.0022	0.00045	mg/L				20.22%
n 189.933	4923.5	0.7320	0.00314	mg/L				0.43%
i 334.941	731953.3	1.776	0.0002	mg/L				0.01%
l 190.800	-43.6	-0.0187	0.00154	mg/L				8.22%
292.402	23433.0	0.1192	0.00160	mg/L				1.34%
n 206.191	83742.7	1.600	0.0184	mg/L				1.15%

lean Data
D: 526782 1/5 Seq. No.: 80 Sample No.: 54 A/S Pos: 62
ample Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0
Data: Original Date: 02/14/02 10:47:26 PM

l t	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
.030	3728886.9	1.055	0.0079	mg/L				0.75%
g 328.068	-1647.1	-0.0018	0.00041	mg/L				22.48%
l 308.215	226768.2	15.47	0.273	mg/L				1.76%
s 188.979	-25.7	0.0040	0.00232	mg/L				58.66%
249.773	2740.2	0.0311	0.00064	mg/L				2.06%
a 233.527	30275.4	0.3933	0.00741	mg/L				1.89%
e 313.107	-4149.6	-0.0001	0.00001	mg/L				23.44%
a 315.887	4486997.7	40.26	0.018	mg/L				0.04%
d 226.502	109.5	0.0026	0.00000	mg/L				0.05%
o 228.616	-36.0	0.0084	0.00003	mg/L				0.33%
r 267.716	1749.8	0.0161	0.00004	mg/L				0.28%
u 324.754	5677.1	0.0133	0.00040	mg/L				3.02%
e 238.863	379063.6	19.58	0.002	mg/L				0.01%
404.721	-1172.3	6.638	0.5571	mg/L				8.39%
g 279.079	155879.8	9.569	0.1682	mg/L				1.76%
n 257.610	179882.5	0.5055	0.00921	mg/L				1.82%
o 202.030	-3.9	0.0010	0.00002	mg/L				2.42%
a 330.237	1753.7	1.043	0.0371	mg/L				3.56%
i 231.604	182.9	0.0113	0.00032	mg/L				2.87%
b 220.353	383.7	0.0890	0.00188	mg/L				2.11%
b 206.833	32.0	-0.0016	0.00020	mg/L				12.13%
e 196.026	-21.7	-0.0019	0.00349	mg/L				186.95%
n 189.933	2305.5	0.3371	0.00353	mg/L				1.05%
i 334.941	233502.3	0.5673	0.01012	mg/L				1.78%
l 190.800	-28.7	-0.0066	0.00111	mg/L				16.71%
292.402	8422.2	0.0402	0.00102	mg/L				2.54%
n 206.191	114902.3	2.197	0.0279	mg/L				1.27%

Mean Data
ID: 526783 1/5 Seq. No.: 81 Sample No.: 55 A/S Pos: 63
Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0
Data: Original Date: 02/14/02 10:52:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3651196.1	1.033	0.0056	mg/L				0.54%
Ag 328.068	-1668.0	-0.0020	0.00002	mg/L				1.26%

l 308.215	219015.3	14.93	0.102	mg/L	0.68%
s 188.979	-27.9	0.0023	0.00003	mg/L	1.48%
2 73	2742.9	0.0312	0.00037	mg/L	1.19%
a .527	43951.1	0.5714	0.00456	mg/L	0.80%
e 313.107	-4010.8	0.0000	0.00000	mg/L	11.83%
a 315.887	3343378.0	30.00	0.000	mg/L	0.00%
d 226.502	88.7	0.0023	0.00003	mg/L	1.12%
o 228.616	-56.0	0.0074	0.00011	mg/L	1.47%
r 267.716	1945.8	0.0180	0.00015	mg/L	0.83%
u 324.754	109401.2	0.5130	0.00373	mg/L	0.73%
e 238.863	389020.4	20.09	0.006	mg/L	0.03%
404.721	-1272.7	4.884	1.4269	mg/L	29.22%
g 279.079	105487.3	6.458	0.0645	mg/L	1.00%
n 257.610	178944.3	0.5029	0.00471	mg/L	0.94%
o 202.030	20.7	0.0030	0.00007	mg/L	2.41%
a 330.237	1946.5	1.383	0.1091	mg/L	7.89%
i 231.604	158.1	0.0105	0.00011	mg/L	1.07%
o 220.353	465.8	0.1092	0.00123	mg/L	1.12%
b 206.833	32.0	-0.0016	0.00026	mg/L	16.23%
e 196.026	-15.4	0.0014	0.00037	mg/L	25.67%
n 189.933	1637.2	0.2363	0.00093	mg/L	0.39%
i 334.941	216146.6	0.5252	0.00460	mg/L	0.88%
l 190.800	-26.6	-0.0050	0.00014	mg/L	2.90%
292.402	7611.5	0.0360	0.00034	mg/L	0.96%
n 206.191	192014.3	3.672	0.0289	mg/L	0.79%

ean Data ----------

D: CCV Seq. No.: 82 Sample No.: 8 A/S Pos: 4
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 10:57:38 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3585215.9	1.014	0.0013	mg/L				0.13%
g 068	75246.1	0.4881	0.00258	mg/L				0.53%
l .215	146471.0	9.871	0.0875	mg/L				0.89%
s 188.979	1296.2	1.015	0.0041	mg/L				0.41%
249.773	148964.3	2.434	0.0001	mg/L				0.00%
a 233.527	802856.4	10.46	0.004	mg/L				0.04%
e 313.107	1261626.6	0.2532	0.00009	mg/L				0.04%
a 315.887	2878582.1	25.83	0.021	mg/L				0.08%
d 226.502	39860.9	0.5126	0.00354	mg/L				0.69%
o 228.616	52404.4	2.519	0.0163	mg/L				0.65%
r 267.716	51879.3	0.5029	0.00266	mg/L				0.53%
u 324.754	266387.4	1.269	0.0083	mg/L				0.65%
e 238.863	97750.5	5.049	0.0468	mg/L				0.93%
404.721	149.6	27.97	0.589	mg/L				2.10%
QC exceeds upper limit for K 404.721		Recovery = 111.89%		Action = Continue				
g 279.079	412012.5	25.38	0.013	mg/L				0.05%
n 257.610	272664.6	0.7660	0.00149	mg/L				0.19%
o 202.030	29731.0	2.458	0.0193	mg/L				0.79%
a 330.237	14633.8	23.80	0.068	mg/L				0.28%
i 231.604	63759.6	2.072	0.0157	mg/L				0.76%
b 220.353	2121.2	0.5165	0.00227	mg/L				0.44%
b 206.833	8617.0	4.986	0.0181	mg/L				0.36%
e 196.026	946.2	0.5092	0.00014	mg/L				0.03%
n 189.933	36073.2	5.431	0.0220	mg/L				0.41%
i 334.941	1015846.7	2.464	0.0033	mg/L				0.14%
l 190.800	1295.1	1.062	0.0006	mg/L				0.05%
292.402	480381.7	2.522	0.0018	mg/L				0.07%
n 206.191	55291.4	1.056	0.0164	mg/L				1.55%

lean Data ----------

D: CCB Seq. No.: 83 Sample No.: 9 A/S Pos: 5
ample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 11:02:42 PM

El t	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3601047.9	1.019	0.0006	mg/L				0.06%
g 328.068	-1395.0	-0.0002	0.00002	mg/L				7.79%
l 308.215	4853.7	0.0033	0.00050	mg/L				14.89%
s 188.979	-33.4	-0.0019	0.00061	mg/L				32.47%

. 249.773	2142.3	0.0213	0.00377 mg/L	17.70%
a 233.527	326.2	0.0032	0.00141 mg/L	43.68%
e .107	-3353.9	0.0001	0.00006 mg/L	52.74%
a .887	1896.7	0.0100	0.00591 mg/L	58.83%
d .502	-74.6	0.0002	0.00001 mg/L	7.68%
o 228.616	-188.9	0.0011	0.00028 mg/L	26.68%
r 267.716	129.5	0.0003	0.00020 mg/L	58.36%
u 324.754	3485.6	0.0027	0.00168 mg/L	61.32%
e 238.863	-161.6	-0.0079	0.00121 mg/L	15.41%
404.721	-1204.2	3.396	0.1277 mg/L	3.76%
QC exceeds upper limit for K 404.721		Action = Continue		
g 279.079	-62.2	-0.0578	0.00284 mg/L	4.91%
n 257.610	-92.8	0.0003	0.00010 mg/L	36.07%
o 202.030	5.2	0.0017	0.00067 mg/L	39.18%
a 330.237	1187.9	0.0431	0.09432 mg/L	219.09%
i 231.604	-156.8	0.0003	0.00058 mg/L	189.42%
b 220.353	22.8	0.0002	0.00032 mg/L	186.09%
b 206.833	73.2	0.0224	0.00773 mg/L	34.56%
QC exceeds upper limit for Sb 206.833		Action = Continue		
e 196.026	-23.3	-0.0027	0.00272 mg/L	99.53%
n 189.933	134.6	0.0096	0.00306 mg/L	31.88%
i 334.941	178.1	0.0015	0.00056 mg/L	36.88%
l 190.800	-18.2	0.0018	0.00020 mg/L	11.05%
292.402	925.2	0.0008	0.00057 mg/L	71.21%
n 206.191	816.4	0.0139	0.00172 mg/L	12.32%

Mean Data ----------

ID: 526784 1/5 Seq. No.: 84 Sample No.: 56 A/S Pos: 64

Sample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 5.0

Data: Original Date: 02/14/02 11:07:46 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3713726.9	1.050	0.0058	mg/L				0.55%
g 328.068	-1631.5	-0.0017	0.00039	mg/L				22.48%
.215	245078.6	16.74	0.216	mg/L				1.29%
.979	-28.4	0.0020	0.00021	mg/L				10.46%
249.773	3640.9	0.0459	0.00093	mg/L				2.02%
a 233.527	27355.9	0.3553	0.00479	mg/L				1.35%
e 313.107	-3733.1	0.0000	0.00001	mg/L				32.59%
a 315.887	4122282.9	36.99	0.028	mg/L				0.08%
d 226.502	75.1	0.0021	0.00000	mg/L				0.14%
o 228.616	-44.3	0.0080	0.00049	mg/L				6.09%
r 267.716	1569.9	0.0143	0.00012	mg/L				0.83%
u 324.754	8242.6	0.0257	0.00045	mg/L				1.77%
e 238.863	395354.2	20.42	0.230	mg/L				1.13%
404.721	-1157.3	7.024	0.3327	mg/L				4.74%
g 279.079	134972.1	8.278	0.0958	mg/L				1.16%
n 257.610	226816.5	0.6373	0.00803	mg/L				1.26%
o 202.030	-4.6	0.0009	0.00013	mg/L				14.26%
a 330.237	2403.7	2.191	0.0081	mg/L				0.37%
i 231.604	226.6	0.0127	0.00010	mg/L				0.76%
b 220.353	221.5	0.0491	0.00056	mg/L				1.14%
b 206.833	38.8	0.0024	0.00081	mg/L				33.99%
e 196.026	-11.9	0.0033	0.00012	mg/L				3.72%
n 189.933	2031.9	0.2958	0.00243	mg/L				0.82%
i 334.941	247069.1	0.6002	0.00717	mg/L				1.19%
l 190.800	-25.7	-0.0042	0.00186	mg/L				44.04%
292.402	8564.5	0.0410	0.00058	mg/L				1.42%
n 206.191	133491.4	2.552	0.0240	mg/L				0.94%

Mean Data ----------

ID: 526788 1/2 Seq. No.: 85 Sample No.: 57 A/S Pos: 65

Sample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

Data: Original Date: 02/14/02 11:12:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y .030	3764020.5	1.065	0.0070	mg/L				0.66%
Ag 328.068	-1943.4	-0.0037	0.00006	mg/L				1.51%
Al 308.215	306248.7	21.00	0.094	mg/L				0.45%
As 188.979	-11.3	0.0150	0.00043	mg/L				2.89%
B 249.773	4234.8	0.0557	0.00054	mg/L				0.96%

a 233.527	64630.0	0.8407	0.00256	mg/L	0.30%
e 313.107	-5202.2	-0.0003	0.00001	mg/L	4.02%
a 887	14766663.9	132.5	0.10	mg/L	0.08%
d .502	148.6	0.0031	*0.00000*	mg/L	*0.05%*
o 228.616	58.0	0.0129	0.00005	mg/L	0.35%
r 267.716	2447.3	0.0229	0.00024	mg/L	1.07%
u 324.754	5809.1	0.0139	0.00005	mg/L	0.37%
e 238.863	601613.3	31.07	0.072	mg/L	0.23%
404.721	-1301.3	5.857	1.1786	mg/L	20.12%
g 279.079	170806.6	10.49	0.034	mg/L	0.32%
n 257.610	562505.5	1.580	0.0018	mg/L	0.11%
o 202.030	1.9	0.0014	0.00016	mg/L	11.38%
a 330.237	1955.1	1.398	0.1568	mg/L	11.21%
i 231.604	275.1	0.0143	0.00006	mg/L	0.43%
b 220.353	150.3	0.0315	0.00110	mg/L	3.50%
b 206.833	37.1	0.0014	0.00075	mg/L	53.41%
e 196.026	-19.6	-0.0008	0.00038	mg/L	49.37%
n 189.933	2423.5	0.3549	0.00267	mg/L	0.75%
i 334.941	391204.6	0.9497	0.00227	mg/L	0.24%
l 190.800	-41.7	-0.0171	0.00039	mg/L	2.29%
292.402	17272.3	0.0868	0.00009	mg/L	0.11%
n 206.191	4406.9	0.0826	0.00195	mg/L	2.37%

Mean Data ---------- 526788A

ID: 526788D 1/2 Seq. No.: 86 Sample No.: 58 A/S Pos: 66

Sample Qty: 1.0000 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

CLP 2/19/02 CLP 2/19/02 Data: Original Date: 02/14/02 11:18:05 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3560631.7	1.007	0.0002	mg/L				0.02%
g 328.068	5211.9	0.0419	0.00032	mg/L				0.76%
l 308.215	348860.9	23.97	0.432	mg/L				1.80%
s 188.979	35.6	0.0509	0.00015	mg/L				0.30%
773	61920.9	1.004	0.0059	mg/L				0.59%
a .527	212113.6	2.762	0.0024	mg/L				0.09%
e 313.107	224125.3	0.0456	0.00010	mg/L				0.22%
a 315.887	15543615.4	139.5	1.56	mg/L				1.12%
d 226.502	3719.8	0.0489	0.00096	mg/L				1.96%
o 228.616	9713.7	0.4751	0.00347	mg/L				0.73%
r 267.716	21343.7	0.2064	0.00003	mg/L				0.02%
u 324.754	54085.9	0.2465	0.00138	mg/L				0.56%
e 238.863	648911.4	33.52	0.595	mg/L				1.77%
404.721	-217.3	25.87	0.973	mg/L				3.76%
g 279.079	205191.2	12.61	0.171	mg/L				1.36%
n 257.610	750044.9	2.106	0.0281	mg/L				1.33%
o 202.030	5460.5	0.4524	0.00960	mg/L				2.12%
a 330.237	12268.6	19.62	0.040	mg/L				0.20%
i 231.604	14620.4	0.4793	0.00277	mg/L				0.58%
b 220.353	2088.3	0.5084	0.01032	mg/L				2.03%
b 206.833	819.6	0.4560	0.00909	mg/L				1.99%
e 196.026	1561.6	0.8341	0.01677	mg/L				2.01%
n 189.933	2880.0	0.4238	0.00127	mg/L				0.30%
i 334.941	599013.5	1.454	0.0167	mg/L				1.15%
l 190.800	2316.5	1.886	0.0388	mg/L				2.06%
292.402	105423.2	0.5503	0.00070	mg/L				0.13%
n 206.191	27633.4	0.5270	0.00146	mg/L				0.28%

Mean Data ---------- 526788A

ID: 526788S 1/2 Seq. No.: 87 Sample No.: 59 A/S Pos: 67

Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

CLP 2/19/02 Data: Original Date: 02/14/02 11:23:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3692991.5	1.045	0.0060	mg/L				0.57%
Ag 328.068	-1927.8	-0.0036	0.00012	mg/L				3.29%
Al 308.215	306792.0	21.04	0.138	mg/L				0.66%
As 188.979	-19.2	0.0089	0.00180	mg/L				20.13%
B 249.773	4536.0	0.0606	0.00054	mg/L				0.89%
Ba 233.527	63606.2	0.8274	0.00707	mg/L				0.85%
Be 313.107	-4824.2	-0.0002	0.00000	mg/L				1.25%
Ca 315.887	13549742.7	121.6	0.03	mg/L				0.03%

. 226.502	146.7	0.0030	0.00003	mg/L	0.97%
: 228.616	68.7	0.0134	0.00004	mg/L	0.27%
' 716	2211.9	0.0206	0.00006	mg/L	0.27%
ı 754	6300.3	0.0163	0.00014	mg/L	0.87%
: 2..863	612433.8	31.63	0.274	mg/L	0.87%
404.721	-1386.2	4.393	0.7486	mg/L	17.04%
(279.079	169719.1	10.42	0.106	mg/L	1.02%
ı 257.610	540458.9	1.518	0.0158	mg/L	1.04%
) 202.030	2.9	0.0015	0.00010	mg/L	6.56%
ı 330.237	1925.4	1.346	0.0365	mg/L	2.71%
. 231.604	287.3	0.0147	0.00017	mg/L	1.15%
) 220.353	165.5	0.0353	0.00002	mg/L	0.07%
) 206.833	36.4	0.0010	0.00031	mg/L	31.35%
: 196.026	-13.8	0.0023	0.00437	mg/L	188.38%
ı 189.933	2416.3	0.3538	0.00238	mg/L	0.67%
ı 334.941	388001.5	0.9419	0.00924	mg/L	0.98%
l 190.800	-40.6	-0.0163	0.00009	mg/L	0.58%
292.402	19773.0	0.0999	0.00104	mg/L	1.04%
ı 206.191	4230.9	0.0793	0.00068	mg/L	0.85%

ean Data ---------- 526788-S 1/2 ----------

D: ~~526788A 1/2~~ Seq. No.: 88 Sample No.: 60 A/S Pos: 68

ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

CLZ/19/02 Data: Original Date: 02/14/02 11:28:35 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3723411.6	1.053	0.0038	mg/L				0.36%
g 328.068	1631.4	0.0191	0.00005	mg/L				0.26%
l 308.215	335220.5	23.02	0.028	mg/L				0.12%
s 188.979	2.8	0.0258	0.00091	mg/L				3.51%
249.773	31073.8	0.4968	0.00713	mg/L				1.44%
a 233.527	142817.5	1.859	0.0174	mg/L				0.93%
e 313.107	107346.3	0.0223	0.00021	mg/L				0.95%
a ...887	15033927.7	134.9	1.69	mg/L				1.25%
d 502	1873.9	0.0252	0.00004	mg/L				0.17%
o ...616	4792.0	0.2395	0.00017	mg/L				0.07%
r 267.716	11591.8	0.1117	0.00130	mg/L				1.16%
u 324.754	29614.1	0.1286	0.00165	mg/L				1.28%
e 238.863	553233.3	28.58	0.008	mg/L				0.03%
404.721	-954.5	11.81	0.260	mg/L				2.20%
g 279.079	191041.7	11.74	0.100	mg/L				0.85%
n 257.610	570714.5	1.603	0.0025	mg/L				0.16%
o 202.030	2560.8	0.2129	0.00023	mg/L				0.11%
a 330.237	6994.5	10.30	0.062	mg/L				0.60%
i 231.604	7264.3	0.2409	0.00031	mg/L				0.13%
b 220.353	1084.5	0.2614	0.00029	mg/L				0.11%
b 206.833	238.4	0.1183	0.00106	mg/L				0.90%
e 196.026	809.2	0.4368	0.00375	mg/L				0.86%
n 189.933	2680.8	0.3937	0.00074	mg/L				0.19%
i 334.941	494042.6	1.199	0.0018	mg/L				0.15%
l 190.800	1096.6	0.9015	0.00043	mg/L				0.05%
292.402	60471.6	0.3139	0.00276	mg/L				0.88%
n 206.191	15631.8	0.2974	0.00404	mg/L				1.36%

lean Data ----------

D: 526788L 1/2 Seq. No.: 89 Sample No.: 61 A/S Pos: 69

ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0

Data: Original Date: 02/14/02 11:33:45 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3766330.9	1.065	0.0086	mg/L				0.80%
g 328.068	-1528.1	-0.0011	0.00032	mg/L				29.35%
l 308.215	64933.2	4.190	0.0142	mg/L				0.34%
s 188.979	-24.8	0.0047	0.00008	mg/L				1.73%
249.773	1704.5	0.0141	0.00042	mg/L				2.95%
a ...527	13476.6	0.1745	0.00039	mg/L				0.22%
e ...107	-4105.3	0.0000	0.00001	mg/L				31.22%
a 315.887	3030354.4	27.19	0.027	mg/L				0.10%
d 226.502	-41.4	0.0006	0.00004	mg/L				5.89%
o 228.616	-139.9	0.0034	0.00014	mg/L				4.01%
r 267.716	555.1	0.0045	0.00002	mg/L				0.34%

u 324.754	3213.8	0.0014	0.00003	mg/L	2.23%
e 238.863	126040.0	6.511	0.0311	mg/L	0.48%
721	-1218.6	3.135	0.2494	mg/L	7.96%
g .079	35125.3	2.114	0.0138	mg/L	0.65%
n 257.610	117382.2	0.3301	0.00153	mg/L	0.46%
o 202.030	-8.0	0.0006	0.00011	mg/L	17.18%
a 330.237	1283.2	0.2114	0.03647	mg/L	17.25%
i 231.604	-74.1	0.0030	0.00007	mg/L	2.32%
b 220.353	45.6	0.0058	0.00001	mg/L	0.15%
b 206.833	34.0	-0.0004	0.00021	mg/L	52.00%
e 196.026	-17.8	0.0002	0.00192	mg/L	>999.9%
n 189.933	527.8	0.0689	0.00066	mg/L	0.95%
'i 334.941	79995.3	0.1951	0.00090	mg/L	0.46%
'l 190.800	-20.7	-0.0002	0.00106	mg/L	508.13%
' 292.402	4156.9	0.0178	0.00048	mg/L	2.72%
:n 206.191	922.0	0.0160	0.00025	mg/L	1.54%

lean Data ----------

:D: 999991 Seq. No.: 90 Sample No.: 62 A/S Pos: 70
:ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 11:38:45 PM

:lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
' 371.030	3645200.1	1.031	0.0039	mg/L				0.38%
\g 328.068	-1480.5	-0.0008	0.00007	mg/L				8.98%
\l 308.215	4862.5	0.0039	0.00012	mg/L				2.99%
\s 188.979	-29.0	0.0015	0.00044	mg/L				29.74%
3 249.773	899.6	0.0009	0.00043	mg/L				49.03%
3a 233.527	48.5	-0.0004	0.00002	mg/L				6.36%
3e 313.107	-3948.4	0.0000	0.00001	mg/L				39.73%
:a 315.887	133.5	-0.0058	0.00211	mg/L				36.53%
:d 226.502	-89.5	0.0000	0.00005	mg/L				>999.9%
:o 228.616	-204.4	0.0003	0.00024	mg/L				74.57%
:r 7.716	51.7	-0.0004	0.00003	mg/L				7.18%
:u ..754	2379.4	-0.0026	0.00025	mg/L				9.82%
Fe 238.863	-202.6	-0.0100	0.00177	mg/L				17.73%
K 404.721	-1257.2	2.433	0.4704	mg/L				19.33%
Mg 279.079	-380.8	-0.0774	0.00087	mg/L				1.12%
Mn 257.610	-154.8	0.0001	0.00004	mg/L				37.79%
Mo 202.030	-15.1	0.0000	0.00001	mg/L				15.30%
Na 330.237	1008.9	-0.2731	0.03527	mg/L				12.92%
Ni 231.604	-164.4	0.0001	0.00013	mg/L				221.69%
Pb 220.353	21.3	-0.0002	0.00010	mg/L				46.07%
Sb 206.833	32.2	-0.0015	0.00036	mg/L				24.84%
Se 196.026	-19.4	-0.0006	0.00180	mg/L				282.37%
Sn 189.933	36.7	-0.0052	0.00009	mg/L				1.75%
Ti 334.941	-355.1	0.0002	0.00004	mg/L				15.51%
Tl 190.800	-20.5	0.0000	0.00072	mg/L				>999.9%
V 292.402	749.6	-0.0001	0.00056	mg/L				463.64%
Zn 206.191	178.0	0.0017	0.00050	mg/L				28.79%

Mean Data ----------

ID: CRI Seq. No.: 91 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/14/02 11:43:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3688366.0	1.043	0.0042	mg/L				0.40%
Ag 328.068	1506.9	0.0183	0.00017	mg/L				0.95%
Al 308.215	4673.0	-0.0093	0.00443	mg/L				47.79%
As 188.979	-2.1	0.0220	0.00142	mg/L				6.44%
B 249.773	912.2	0.0011	0.00031	mg/L				29.13%
Ba 233.527	102.0	0.0003	0.00005	mg/L				15.33%
Be 313.107	44786.7	0.0097	0.00001	mg/L				0.12%
Ca 315.887	1205.1	0.0038	0.00053	mg/L				13.89%
C 6.502	707.2	0.0102	0.00005	mg/L				0.52%
Co 28.616	1939.7	0.1030	0.00081	mg/L				0.78%
Cr 267.716	2163.2	0.0201	0.00022	mg/L				1.10%
Cu 324.754	12215.1	0.0448	0.00057	mg/L				1.26%
Fe 238.863	-177.5	-0.0087	0.00065	mg/L				7.46%
K 404.721	-1192.7	3.605	1.8315	mg/L				50.80%

Mg 279.079	-346.7	-0.0753	0.00080	mg/L	1.07%
Mn 257.610	10620.8	0.0304	0.00012	mg/L	0.40%
Mo 202.030	-16.3	-0.0001	0.00023	mg/L	378.43%
Na 330.237	1172.8	0.0164	0.10497	mg/L	638.54%
Ni 231.604	2397.4	0.0831	0.00022	mg/L	0.26%
Pb 220.353	46.4	0.0060	0.00068	mg/L	11.33%
Sb 206.833	238.4	0.1183	0.00284	mg/L	2.40%
Se 196.026	-2.3	0.0084	0.00106	mg/L	12.62%
Sn 189.933	46.3	-0.0037	0.00021	mg/L	5.70%
Ti 334.941	-343.3	0.0003	0.00010	mg/L	38.49%
Tl 190.800	6.7	0.0219	0.00091	mg/L	4.17%
V 292.402	19471.8	0.0983	0.00017	mg/L	0.17%
Zn 206.191	2386.2	0.0440	0.00011	mg/L	0.25%

Mean Data

ID: ICSA | Seq. No.: 92 | Sample No.: 6 | A/S Pos: 7
Sample Qty: 1.0000 g | Prep. Vol.: 1.0 L | Dilution: 1.0: 1.0
Data: Original | Date: 02/14/02 11:49:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3265522.3	0.924	0.0020	mg/L				0.21%
Ag 328.068	-3165.1	-0.0115	0.00068	mg/L				5.95%
Al 308.215	7453697.5	519.0	3.03	mg/L				0.58%
As 188.979	-73.1	0.0024	0.00000	mg/L				0.07%
B 249.773	9418.5	0.1409	0.00230	mg/L				1.64%
Ba 233.527	-513.6	-0.0077	0.00038	mg/L				4.99%
Be 313.107	-4589.9	-0.0001	0.00000	mg/L				3.25%
Ca 315.887	54089686.2	485.4	3.45	mg/L				0.71%
Cd 226.502	1250.0	0.0062	0.00002	mg/L				0.32%
Co 228.616	-230.8	-0.0009	0.00010	mg/L				10.13%
Cr 267.716	835.7	0.0072	0.00014	mg/L				1.91%
Cu 324.754	623.2	0.0003	0.00030	mg/L				98.79%
Fe 238.863	3590992.8	185.5	0.04	mg/L				0.02%
K 404.721	-2761.3	0.3415	0.16499	mg/L				48.31%
Mg 279.079	8626955.3	532.5	4.07	mg/L				0.76%
Mn 257.610	-3003.0	0.0081	0.00010	mg/L				1.24%
Mo 202.030	19.7	0.0029	0.00009	mg/L				2.96%
Na 330.237	1079.4	-0.0215	0.03349	mg/L				155.44%
Ni 231.604	-160.7	0.0002	0.00004	mg/L				22.30%
Pb 220.353	-147.7	-0.0032	0.00067	mg/L				20.88%
Sb 206.833	34.2	-0.0003	0.00048	mg/L				152.71%
Se 196.026	7.1	0.0036	0.00629	mg/L				175.85%
Sn 189.933	13489.7	-0.0187	0.00955	mg/L				50.97%
Ti 334.941	-2761.0	-0.0056	0.00001	mg/L				0.25%
Tl 190.800	-45.3	-0.0201	0.00240	mg/L				11.96%
V 292.402	8003.0	0.0380	0.00003	mg/L				0.08%
Zn 206.191	1276.9	0.0083	0.00009	mg/L				1.05%

Mean Data

ID: ICSAB | Seq. No.: 93 | Sample No.: 7 | A/S Pos: 8
Sample Qty: 1.0000 g | Prep. Vol.: 1.0 L | Dilution: 1.0: 1.0
Data: Original | Date: 02/14/02 11:55:11 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
Y 371.030	3294846.3	0.932	0.0017	mg/L				0.19%
Ag 328.068	168745.0	1.084	0.0010	mg/L				0.09%
Al 308.215	7420431.5	516.7	0.15	mg/L				0.03%
As 188.979	-80.8	-0.0034	0.00420	mg/L				123.25%
B 249.773	9564.2	0.1433	0.00205	mg/L				1.43%
Ba 233.527	40726.6	0.5294	0.00106	mg/L				0.20%
Be 313.107	2523118.2	0.5056	0.00059	mg/L				0.12%
Ca 315.887	54086517.0	485.4	3.53	mg/L				0.73%
Cd 226.502	75567.6	0.9598	0.00176	mg/L				0.18%
Co 228.616	9536.4	0.4666	0.00210	mg/L				0.45%
Cr 267.716	50927.4	0.4937	0.00039	mg/L				0.08%
Cu 324.754	112022.9	0.5370	0.00263	mg/L				0.49%
Fe 238.863	3594943.5	185.7	0.16	mg/L				0.08%
K 404.721	-2703.8	1.413	1.1058	mg/L				78.25%
Mg 279.079	8622090.9	532.2	4.15	mg/L				0.78%
Mn 257.610	172772.4	0.5016	0.00100	mg/L				0.20%
Mo 202.030	14.1	0.0024	0.00074	mg/L				30.40%

Na 330.237	1226.5	0.2391	0.01892	mg/L	7.91%
Ni 231.604	28202.9	0.9196	0.00415	mg/L	0.45%
Pb .353	3838.7	0.9775	0.00315	mg/L	0.32%
Sb .833	34.3	-0.0003	0.00070	mg/L	281.86%
Se 196.026	3.9	0.0019	0.00027	mg/L	14.17%
Sn 189.933	13391.0	-0.0325	0.01211	mg/L	37.27%
Ti 334.941	-2666.8	-0.0054	0.00005	mg/L	0.91%
Tl 190.800	-51.1	-0.0247	0.00064	mg/L	2.59%
V 292.402	102341.3	0.5341	0.00142	mg/L	0.27%
Zn 206.191	49867.6	0.9379	0.00108	mg/L	0.11%

Mean Data ----------

ID: CCV Seq. No.: 94 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 12:00:46 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3658587.2	1.035	0.0026	mg/L				0.26%
Ag 328.068	75196.5	0.4878	0.00046	mg/L				0.09%
Al 308.215	152508.0	10.29	0.037	mg/L				0.36%
As 188.979	1270.1	0.9946	0.00550	mg/L				0.55%
B 249.773	148480.4	2.426	0.0084	mg/L				0.35%
Ba 233.527	801432.6	10.44	0.004	mg/L				0.04%
Be 313.107	1264489.8	0.2538	0.00009	mg/L				0.03%
Ca 315.887	2936657.9	26.35	0.075	mg/L				0.29%
Cd 226.502	40140.3	0.5162	0.00077	mg/L				0.15%
Co 228.616	52175.1	2.508	0.0002	mg/L				0.01%
Cr 267.716	51820.4	0.5023	0.00020	mg/L				0.04%
Cu 324.754	267115.0	1.273	0.0007	mg/L				0.05%
Fe 238.863	103010.1	5.321	0.0592	mg/L				1.11%
K 404.721	142.4	27.84	0.028	mg/L				0.10%
*QC exceeds upper limit for K 404.721		Recovery = 111.37%		Action = Continue				
Mg 279.079	421531.6	25.97	0.028	mg/L				0.11%
Mn 257.610	270604.3	0.7602	0.00009	mg/L				0.01%
Mo .030	29844.9	2.467	0.0078	mg/L				0.32%
Na 0.237	14687.5	23.89	0.109	mg/L				0.46%
Ni 231.604	63963.1	2.079	0.0023	mg/L				0.11%
Pb 220.353	2103.1	0.5120	0.00182	mg/L				0.36%
Sb 206.833	8466.1	4.898	0.0032	mg/L				0.06%
Se 196.026	930.0	0.5006	0.00373	mg/L				0.74%
Sn 189.933	35924.7	5.409	0.0143	mg/L				0.27%
Ti 334.941	1009002.5	2.448	0.0041	mg/L				0.17%
Tl 190.800	1282.1	1.051	0.0013	mg/L				0.12%
V 292.402	478582.8	2.513	0.0022	mg/L				0.09%
Zn 206.191	53792.3	1.027	0.0004	mg/L				0.04%

Mean Data ----------

ID: CCB Seq. No.: 95 Sample No.: 9 A/S Pos: 5
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 12:05:50 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3669441.0	1.038	0.0086	mg/L				0.82%
Ag 328.068	-1366.5	0.0000	0.00020	mg/L				403.57%
Al 308.215	5034.2	0.0159	0.00996	mg/L				62.66%
As 188.979	-30.3	0.0005	0.00030	mg/L				66.65%
B 249.773	4316.4	0.0570	0.01763	mg/L				30.92%
Ba 233.527	803.8	0.0095	0.00162	mg/L				17.12%
Be 313.107	-1995.3	0.0004	0.00010	mg/L				25.60%
Ca 315.887	5610.6	0.0434	0.01357	mg/L				31.27%
Cd 226.502	-50.5	0.0005	0.00007	mg/L				14.25%
Co 228.616	-137.8	0.0035	0.00069	mg/L				19.69%
Cr 267.716	173.2	0.0008	0.00016	mg/L				20.97%
Cu 324.754	3645.0	0.0035	0.00186	mg/L				53.02%
Fe 238.863	602.2	0.0316	0.00440	mg/L				13.91%
K .721	-1194.7	3.569	2.1537	mg/L				60.35%
* xceeds upper limit for K 404.721		Action = Continue						
Mg 279.079	4414.8	0.2186	0.04710	mg/L				21.55%
Mn 257.610	151.2	0.0010	0.00018	mg/L				19.18%
Mo 202.030	45.2	0.0050	0.00214	mg/L				42.58%
Na 330.237	1189.5	0.0459	0.10059	mg/L				219.31%

Ni 231.604	-91.1	0.0024	0.00043 mg/L	17.82%
Pb 220.353	20.8	-0.0003	0.00064 mg/L	202.62%
Sb 206.833	121.6	0.0504	0.02351 mg/L	46.61%
*(:ceeds upper limit for Sb 206.833			Action = Continue	
Se 196.026	-20.0	-0.0010	0.00191 mg/L	196.91%
Sn 189.933	248.2	0.0267	0.00377 mg/L	14.09%
Ti 334.941	1627.6	0.0050	0.00197 mg/L	39.06%
Tl 190.800	-15.5	0.0039	0.00214 mg/L	54.27%
V 292.402	1389.9	0.0032	0.00095 mg/L	29.17%
Zn 206.191	269.0	0.0035	0.00044 mg/L	12.62%

Mean Data

ID: 526763 1/2 Seq. No.: 96 Sample No.: 63 A/S Pos: 71
Sample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/15/02 12:10:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3799316.3	1.075	0.0014	mg/L				0.13%
Ag 328.068	*-1670.6*	*-0.0020*	*0.00016*	*mg/L*				*8.19%*
Al 308.215	148561.2	10.02	0.017	mg/L				0.17%
As 188.979	-22.2	0.0067	0.00098	mg/L				14.63%
B 249.773	4729.2	0.0638	0.00587	mg/L				9.19%
Ba 233.527	16376.0	0.2123	0.00042	mg/L				0.20%
Be 313.107	-3758.9	0.0000	0.00001	mg/L				54.87%
Ca 315.887	3899783.7	34.99	0.074	mg/L				0.21%
Cd 226.502	332.2	0.0054	0.00006	mg/L				1.07%
Co 228.616	-35.1	0.0084	0.00006	mg/L				0.70%
Cr 267.716	1900.2	0.0175	0.00008	mg/L				0.43%
Cu 324.754	6784.9	0.0186	0.00011	mg/L				0.58%
Fe 238.863	435341.2	22.49	0.022	mg/L				0.10%
K 404.721	-1368.0	3.480	1.7960	mg/L				51.62%
Mg 279.079	69431.0	4.232	0.0137	mg/L				0.32%
Mn 257.610	142562.9	0.4008	0.00080	mg/L				0.20%
Mo 202.030	8.6	0.0020	0.00028	mg/L				13.99%
N).237	3598.9	4.302	0.0305	mg/L				0.71%
N 1.604	289.2	0.0148	0.00008	mg/L				0.51%
Pb 220.353	484.6	0.1138	0.00036	mg/L				0.31%
Sb 206.833	53.0	0.0106	0.00126	mg/L				11.86%
Se 196.026	-17.3	0.0004	0.00088	mg/L				197.80%
Sn 189.933	1136.2	0.1607	0.00004	mg/L				0.02%
Ti 334.941	*181582.6*	*0.4414*	*0.00192*	*mg/L*				*0.43%*
Tl 190.800	-25.4	-0.0040	0.00025	mg/L				6.25%
V 292.402	9580.4	0.0463	0.00024	mg/L				0.53%
Zn 206.191	585824.5	11.21	0.015	mg/L				0.13%

Mean Data

ID: 526765 1/2 Seq. No.: 97 Sample No.: 64 A/S Pos: 72
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/15/02 12:16:02 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3726760.7	1.054	0.0017	mg/L				0.17%
Ag 328.068	-1731.4	-0.0024	0.00045	mg/L				18.91%
Al 308.215	180196.9	12.22	0.128	mg/L				1.04%
As 188.979	-26.1	0.0037	0.00336	mg/L				91.84%
B 249.773	4296.1	0.0567	0.00599	mg/L				10.57%
Ba 233.527	23057.2	0.2993	0.00351	mg/L				1.17%
Be 313.107	-4767.7	-0.0002	0.00000	mg/L				2.04%
Ca 315.887	6295669.0	56.49	0.074	mg/L				0.13%
Cd 226.502	146.6	0.0030	0.00001	mg/L				0.49%
Co 228.616	-46.3	0.0079	0.00031	mg/L				3.95%
Cr 267.716	2301.6	0.0214	0.00000	mg/L				0.01%
Cu 324.754	6140.5	0.0155	0.00006	mg/L				0.37%
Fe 238.863	390882.7	20.19	0.012	mg/L				0.06%
K 404.721	-1315.1	4.127	0.1889	mg/L				4.58%
M 79.079	79178.2	4.834	0.0578	mg/L				1.20%
N 7.610	144315.8	0.4057	0.00517	mg/L				1.27%
Mo 202.030	10.4	0.0021	0.00003	mg/L				1.36%
Na 330.237	2970.9	3.193	0.1719	mg/L				5.38%
Ni 231.604	289.0	0.0148	0.00022	mg/L				1.49%
Pb 220.353	413.2	0.0962	0.00018	mg/L				0.18%

ɔ 206.833	42.2	0.0043	0.00130	mg/L	29.92%
ɜ 196.026	-17.0	0.0006	0.00090	mg/L	148.66%
ı 933	1228.1	0.1746	0.00105	mg/L	0.60%
i 941	225104.7	0.5469	0.00613	mg/L	1.12%
l 190.800	-25.0	-0.0037	0.00120	mg/L	32.56%
292.402	10821.0	0.0528	0.00059	mg/L	1.11%
ı 206.191	394613.2	7.548	0.0158	mg/L	0.21%

ean Data ----------

D: 526767 1/10 Seq. No.: 98 Sample No.: 65 A/S Pos: 73
ample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/15/02 12:21:19 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3718424.0	1.052	0.0047	mg/L				0.45%
g 328.068	-1178.1	0.0012	0.00013	mg/L				11.28%
l 308.215	13219.9	0.5863	0.00527	mg/L				0.90%
s 188.979	-12.7	0.0139	0.00020	mg/L				1.40%
249.773	1624.3	0.0128	0.00203	mg/L				15.92%
a 233.527	587.1	0.0066	0.00001	mg/L				0.21%
e 313.107	-3917.0	0.0000	0.00000	mg/L				55.28%
a 315.887	214027.9	1.914	0.0053	mg/L				0.28%
d 226.502	6227.4	0.0811	0.00018	mg/L				0.22%
o 228.616	-154.3	0.0027	0.00049	mg/L				17.85%
r 267.716	245.5	0.0015	0.00013	mg/L				8.50%
u 324.754	18630.3	0.0757	0.00027	mg/L				0.36%
e 238.863	34012.4	1.757	0.0019	mg/L				0.11%
404.721	-1172.7	3.968	0.5400	mg/L				13.61%
g 279.079	5697.7	0.2978	0.00385	mg/L				1.29%
n 257.610	12877.8	0.0367	0.00009	mg/L				0.25%
o 202.030	-79.2	-0.0053	0.00008	mg/L				1.59%
a 330.237	130339.6	228.2	0.38	mg/L				0.17%
i 231.604	280.0	0.0145	0.00018	mg/L				1.22%
b .353	52531.7	12.92	0.018	mg/L				0.14%
b .833	85.8	0.0297	0.00101	mg/L				3.42%
e .026	-29.2	-0.0058	0.00084	mg/L				14.44%
n 189.933	460.5	0.0588	0.00032	mg/L				0.54%
i 334.941	13439.6	0.0337	0.00016	mg/L				0.47%
l 190.800	-19.7	0.0006	0.00300	mg/L				478.38%
292.402	1272.1	0.0026	0.00017	mg/L				6.54%
n 206.191	14448789.0	276.4	0.31	mg/L				0.11%

lean Data ----------

:D: 526769 1/10 Seq. No.: 99 Sample No.: 66 A/S Pos: 74
ample Qty: 1.0500 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/15/02 12:26:34 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3770507.4	1.066	0.0010	mg/L				0.09%
Ag 328.068	-1570.0	-0.0013	0.00049	mg/L				36.75%
Al 308.215	122495.5	8.201	0.0700	mg/L				0.85%
As 188.979	-26.9	0.0030	0.00267	mg/L				87.58%
B 249.773	2335.0	0.0245	0.00188	mg/L				7.70%
Ba 233.527	17348.0	0.2249	0.00163	mg/L				0.73%
Be 313.107	-4214.6	-0.0001	0.00000	mg/L				5.11%
Ca 315.887	2659902.5	23.86	0.029	mg/L				0.12%
Cd 226.502	113.5	0.0026	0.00000	mg/L				0.08%
Co 228.616	-110.0	0.0048	0.00011	mg/L				2.22%
Cr 267.716	718.5	0.0061	0.00013	mg/L				2.19%
Cu 324.754	3396.4	0.0023	0.00013	mg/L				5.52%
Fe 238.863	185844.0	9.600	0.0561	mg/L				0.58%
K 404.721	-1214.5	3.208	0.4937	mg/L				15.39%
Mg 279.079	57299.7	3.483	0.0149	mg/L				0.43%
Mn 257.610	142156.6	0.3996	0.00216	mg/L				0.54%
Mo 202.030	-13.4	0.0002	0.00018	mg/L				102.36%
N .237	2453.3	2.279	0.0615	mg/L				2.70%
N 1.604	19.9	0.0060	0.00003	mg/L				0.56%
Pb 220.353	111.1	0.0219	0.00164	mg/L				7.49%
Sb 206.833	37.2	0.0014	0.00067	mg/L				47.50%
Se 196.026	-20.9	-0.0015	0.00030	mg/L				20.72%
Sn 189.933	908.6	0.1264	0.00042	mg/L				0.33%

334.941	130845.2	0.3184	0.00241	mg/L	0.76%
800	-25.5	-0.0041	0.00042	mg/L	10.35%
2)2	5551.2	0.0251	0.00017	mg/L	0.67%
.191	396682.7	7.587	0.2135	mg/L	2.81%

an Data ----------

): 526771 1/2 Seq. No.: 100 Sample No.: 67 A/S Pos: 75
mple Qty: 1.0100 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/15/02 12:31:53 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3782353.3	1.070	0.0063	mg/L				0.59%
g 328.068	-2035.7	-0.0043	0.00005	mg/L				1.17%
l 308.215	529417.4	36.56	0.033	mg/L				0.09%
s 188.979	-25.4	0.0042	0.00095	mg/L				22.24%
249.773	5622.3	0.0785	0.00355	mg/L				4.53%
a 233.527	87101.0	1.133	0.0193	mg/L				1.70%
e 313.107	-5799.8	-0.0004	0.00003	mg/L				7.33%
a 315.887	16629692.9	149.2	0.45	mg/L				0.30%
d 226.502	222.7	0.0040	0.00007	mg/L				1.65%
o 228.616	229.1	0.0211	0.00005	mg/L				0.24%
r 267.716	3489.2	0.0330	0.00006	mg/L				0.18%
u 324.754	7482.3	0.0220	0.00020	mg/L				0.93%
e 238.863	793928.1	41.01	0.038	mg/L				0.09%
404.721	-1075.9	11.30	0.151	mg/L				1.34%
g 279.079	258343.0	15.89	0.266	mg/L				1.67%
n 257.610	740241.9	2.079	0.0008	mg/L				0.04%
o 202.030	-6.5	0.0007	0.00013	mg/L				17.79%
a 330.237	4832.2	6.481	0.1686	mg/L				2.60%
i 231.604	856.3	0.0331	0.00019	mg/L				0.58%
b 220.353	279.4	0.0633	0.00047	mg/L				0.75%
b 206.833	34.9	0.0001	0.00165	mg/L				>999.9%
e 196.026	-15.9	0.0012	0.00191	mg/L				161.67%
n .933	3439.6	0.5082	0.00233	mg/L				0.46%
i .941	598759.8	1.453	0.0005	mg/L				0.03%
l 190.800	-48.3	-0.0224	0.00083	mg/L				3.70%
292.402	22829.4	0.1160	0.00179	mg/L				1.55%
n 206.191	942122.0	18.02	0.690	mg/L				3.83%

lean Data ----------

D: 526773 1/10 Seq. No.: 101 Sample No.: 68 A/S Pos: 76
ample Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 10.0
Data: Original Date: 02/15/02 12:37:09 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3773994.9	1.067	0.0011	mg/L				0.10%
Ag 328.068	-1495.2	-0.0009	0.00014	mg/L				15.60%
Al 308.215	92109.8	6.083	0.0123	mg/L				0.20%
As 188.979	-28.4	0.0019	0.00179	mg/L				92.56%
B 249.773	1999.7	0.0190	0.00112	mg/L				5.91%
Ba 233.527	18388.5	0.2385	0.00085	mg/L				0.36%
Be 313.107	-4175.6	-0.0001	0.00000	mg/L				6.18%
Ca 315.887	1179132.0	10.57	0.098	mg/L				0.92%
Cd 226.502	3134.5	0.0414	0.00001	mg/L				0.02%
Co 228.616	-129.4	0.0039	0.00002	mg/L				0.42%
Cr 267.716	1062.0	0.0094	0.00007	mg/L				0.71%
Cu 324.754	7510.5	0.0221	0.00029	mg/L				1.32%
Fe 238.863	195748.4	10.11	0.031	mg/L				0.31%
K 404.721	-1210.2	3.287	1.9254	mg/L				58.58%
Mg 279.079	41192.9	2.489	0.0055	mg/L				0.22%
Mn 257.610	70499.0	0.1985	0.00006	mg/L				0.03%
Mo 202.030	-34.3	-0.0015	0.00024	mg/L				15.53%
Na 330.237	23914.8	40.19	0.027	mg/L				0.07%
Ni 231.604	165.4	0.0107	0.00016	mg/L				1.44%
P 0.353	4958.3	1.215	0.0010	mg/L				0.09%
S 5.833	43.2	0.0049	0.00001	mg/L				0.21%
Se 196.026	-26.5	-0.0044	0.00374	mg/L				84.45%
Sn 189.933	719.9	0.0979	0.00016	mg/L				0.16%
Ti 334.941	98775.8	0.2406	0.00033	mg/L				0.14%
Tl 190.800	-22.7	-0.0018	0.00102	mg/L				55.36%
V 292.402	3784.7	0.0158	0.00013	mg/L				0.85%

206.191	5494968.7	105.1	0.28	mg/L	0.27%

al a

: /76 1/2 Seq. No.: 102 Sample No.: 69 A/S Pos: 77
mple Qty: 1.0300 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/15/02 12:42:31 AM

ement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3847968.9	1.088	0.0003	mg/L				0.03%
: 328.068	-2401.0	-0.0066	0.00023	mg/L				3.45%
. 308.215	428118.1	29.50	0.022	mg/L				0.07%
: 188.979	-45.8	0.0186	0.00027	mg/L				1.44%
249.773	10706.4	0.1621	0.00111	mg/L				0.69%
ı 233.527	55962.7	0.7279	0.00327	mg/L				0.45%
: 313.107	-2704.1	0.0002	0.00002	mg/L				8.04%
ı 315.887	8894447.6	79.81	0.364	mg/L				0.46%
i 226.502	1631.3	0.0126	0.00000	mg/L				0.04%
ɔ 228.616	431.8	0.0308	0.00005	mg/L				0.16%
: 267.716	35221.0	0.3411	0.00161	mg/L				0.47%
ı 324.754	108536.4	0.5089	0.00226	mg/L				0.44%
ɛ 238.863	3105171.4	160.4	0.27	mg/L				0.17%
404.721	-1983.0	11.06	0.458	mg/L				4.14%
g 279.079	250226.0	15.39	0.044	mg/L				0.29%
n 257.610	757008.4	2.140	0.0005	mg/L				0.03%
ɔ 202.030	395.6	0.0340	0.00027	mg/L				0.80%
a 330.237	3122.0	4.074	0.1235	mg/L				3.03%
i 231.604	2700.0	0.0929	0.00060	mg/L				0.65%
b 220.353	10209.7	2.504	0.0144	mg/L				0.57%
b 206.833	61.7	0.0157	0.00070	mg/L				4.45%
e 196.026	-14.8	0.0018	0.00104	mg/L				58.45%
n 189.933	3686.1	0.5454	0.00107	mg/L				0.20%
i 334.941	429854.3	1.043	0.0004	mg/L				0.04%
l 190.800	-54.7	-0.0276	0.00258	mg/L				9.32%
102	20766.0	0.1051	0.00063	mg/L				0.60%
n .191	442539.1	8.465	0.3164	mg/L				3.74%

ean Data

D: 526779 1/2 Seq. No.: 103 Sample No.: 70 A/S Pos: 78
ample Qty: 1.0400 g Prep. Vol.: 100.0 mL Dilution: 1.0: 2.0
Data: Original Date: 02/15/02 12:47:57 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
! 371.030	3782723.9	1.070	0.0023	mg/L				0.22%
ıg 328.068	-2001.7	-0.0041	0.00042	mg/L				10.18%
ıl 308.215	723804.2	50.10	0.056	mg/L				0.11%
ıs 188.979	-27.2	0.0133	0.00126	mg/L				9.44%
ɜ 249.773	6651.0	0.0954	0.00052	mg/L				0.54%
ɜa 233.527	75990.6	0.9887	0.00773	mg/L				0.78%
ɜe 313.107	-3832.0	0.0000	0.00000	mg/L				8.43%
ɔa 315.887	10652308.6	95.59	0.450	mg/L				0.47%
ɔd 226.502	1036.4	0.0144	0.00001	mg/L				0.09%
ɔo 228.616	232.4	0.0212	0.00024	mg/L				1.14%
ɔr 267.716	4865.7	0.0463	0.00026	mg/L				0.56%
ɔu 324.754	13727.6	0.0521	0.00003	mg/L				0.07%
Fe 238.863	1080685.2	55.82	0.158	mg/L				0.28%
K 404.721	-761.3	19.03	0.823	mg/L				4.33%
Mg 279.079	400728.1	24.68	0.047	mg/L				0.19%
Mn 257.610	520682.9	1.462	0.0038	mg/L				0.26%
Mo 202.030	-5.4	0.0008	0.00010	mg/L				12.23%
Na 330.237	6493.6	9.416	0.0337	mg/L				0.36%
Ni 231.604	861.2	0.0333	0.00025	mg/L				0.74%
Pb 220.353	2577.8	0.6329	0.00250	mg/L				0.40%
Sb 206.833	30.7	-0.0023	0.00076	mg/L				32.25%
Se 196.026	-15.1	0.0016	0.00402	mg/L				250.51%
Sr 9.933	4704.9	0.6991	0.00192	mg/L				0.27%
T 1.941	691249.4	1.677	0.0016	mg/L				0.10%
Tl 90.800	-40.6	-0.0163	0.00056	mg/L				3.41%
V 292.402	21793.5	0.1105	0.00123	mg/L				1.11%
Zn 206.191	1351143.4	25.85	0.041	mg/L				0.16%

Mean Data

: 999992 Seq. No.: 104 Sample No.: 71 A/S Pos: 79
mple Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 12:53:05 AM

ement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3677058.1	1.040	0.0056	mg/L				0.54%
328.068	-1491.1	-0.0008	0.00002	mg/L				2.68%
308.215	5983.3	0.0820	0.05690	mg/L				69.36%
188.979	-27.8	0.0024	0.00204	mg/L				85.00%
249.773	673.2	-0.0029	0.00093	mg/L				32.78%
233.527	103.4	0.0003	0.00036	mg/L				106.36%
313.107	-3970.5	0.0000	0.00000	mg/L				19.49%
315.887	15797.7	0.1348	0.12235	mg/L				90.77%
226.502	-85.0	0.0001	0.00003	mg/L				55.66%
228.616	-206.5	0.0002	0.00003	mg/L				12.87%
267.716	81.0	-0.0001	0.00023	mg/L				190.60%
324.754	2374.3	-0.0026	0.00020	mg/L				7.85%
238.863	1179.6	0.0614	0.02281	mg/L				37.15%
404.721	-1266.0	2.274	0.1567	mg/L				6.89%
279.079	422.9	-0.0278	0.02660	mg/L				95.56%
257.610	352.4	0.0015	0.00053	mg/L				34.93%
202.030	-15.1	0.0000	0.00024	mg/L				711.96%
330.237	1015.2	-0.2619	0.03828	mg/L				14.62%
231.604	-167.3	0.0000	0.00025	mg/L				768.95%
220.353	23.8	0.0004	0.00025	mg/L				60.72%
206.833	32.2	-0.0015	0.00083	mg/L				56.35%
196.026	-19.6	-0.0008	0.00385	mg/L				495.71%
189.933	38.9	-0.0048	0.00009	mg/L				1.97%
334.941	1070.7	0.0037	0.00249	mg/L				67.36%
190.800	-20.9	-0.0004	0.00011	mg/L				30.09%
292.402	794.1	0.0001	0.00046	mg/L				406.24%
206.191	10158.5	0.1927	0.04961	mg/L				25.75%

e/ ata
D 0993 Seq. No.: 105 Sample No.: 72 A/S Pos: 80
ample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 12:58:03 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3704678.0	1.048	0.0116	mg/L				1.11%
g 328.068	-1437.9	-0.0005	0.00027	mg/L				54.21%
l 308.215	4894.2	0.0061	0.00525	mg/L				85.44%
s 188.979	-31.4	-0.0003	0.00177	mg/L				514.54%
249.773	606.6	-0.0039	0.00099	mg/L				25.01%
a 233.527	43.2	-0.0005	0.00001	mg/L				1.53%
e 313.107	-3962.8	0.0000	0.00000	mg/L				0.72%
a 315.887	-962.3	-0.0156	0.00041	mg/L				2.60%
d 226.502	-89.2	0.0000	0.00003	mg/L				518.45%
o 228.616	-200.6	0.0005	0.00031	mg/L				60.38%
r 267.716	215.6	0.0012	0.00039	mg/L				33.14%
u 324.754	2624.3	-0.0014	0.00001	mg/L				0.52%
e 238.863	220.8	0.0119	0.00004	mg/L				0.36%
404.721	-1191.9	3.619	0.5189	mg/L				14.34%
g 279.079	-206.1	-0.0667	0.00292	mg/L				4.38%
n 257.610	232.6	0.0012	0.00001	mg/L				1.21%
o 202.030	-14.1	0.0001	0.00021	mg/L				175.48%
a 330.237	992.3	-0.3024	0.06575	mg/L				21.74%
i 231.604	-41.4	0.0040	0.00012	mg/L				3.07%
b 220.353	20.2	-0.0005	0.00012	mg/L				25.19%
b 206.833	34.8	0.0000	0.00090	mg/L				>999.9%
e 196.026	-19.4	-0.0006	0.00341	mg/L				527.63%
n 189.933	38.9	-0.0048	0.00075	mg/L				15.58%
i 334.941	-270.3	0.0004	0.00001	mg/L				3.14%
l 190.800	-19.1	0.0011	0.00233	mg/L				214.33%
V .402	733.5	-0.0002	0.00001	mg/L				4.94%
Zr .191	4269.4	0.0800	0.00290	mg/L				3.63%

Mean Data
ID: CCV Seq. No.: 106 Sample No.: 8 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 1:03:11 AM

e	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
3 30	3651918.7	1.033	0.0087	mg/L				0.84%
328.068	75808.1	0.4917	0.00286	mg/L				0.58%
308.215	148826.0	10.04	0.038	mg/L				0.38%
188.979	1276.0	0.9991	0.00494	mg/L				0.49%
249.773	149381.1	2.441	0.0347	mg/L				1.42%
233.527	803103.1	10.46	0.000	mg/L				0.00%
313.107	1263232.4	0.2535	0.00010	mg/L				0.04%
315.887	2886344.8	25.89	0.007	mg/L				0.03%
226.502	40592.6	0.5220	0.00133	mg/L				0.26%
228.616	52588.1	2.527	0.0121	mg/L				0.48%
267.716	52216.2	0.5062	0.00247	mg/L				0.49%
324.754	268255.6	1.278	0.0109	mg/L				0.85%
238.863	99785.8	5.155	0.0084	mg/L				0.16%
404.721	181.0	28.54	0.116	mg/L				0.41%
QC exceeds upper limit for K 404.721		Recovery = 114.17%		Action = Continue				
279.079	412339.2	25.40	0.022	mg/L				0.09%
257.610	268901.7	0.7555	0.00016	mg/L				0.02%
202.030	30316.8	2.506	0.0053	mg/L				0.21%
330.237	15030.4	24.50	0.045	mg/L				0.18%
231.604	64625.7	2.100	0.0030	mg/L				0.14%
220.353	2140.2	0.5212	0.00412	mg/L				0.79%
206.833	8544.0	4.943	0.0132	mg/L				0.27%
196.026	954.3	0.5135	0.00679	mg/L				1.32%
189.933	36478.8	5.492	0.0255	mg/L				0.46%
334.941	1004429.6	2.437	0.0018	mg/L				0.07%
190.800	1307.8	1.072	0.0085	mg/L				0.80%
292.402	475802.0	2.498	0.0015	mg/L				0.06%
206.191	104701.4	2.001	0.2232	mg/L				11.15%
QC exceeds upper limit for Zn 206.191		Recovery = 200.14%		Action = Continue				

ean Data

D· `B Seq. No.: 107 Sample No.: 9 A/S Pos: 5

a Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/15/02 1:08:16 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3683803.7	1.042	0.0004	mg/L				0.04%
g 328.068	-1238.7	0.0008	0.00028	mg/L				37.28%
l 308.215	4959.8	0.0107	0.00787	mg/L				73.41%
s 188.979	-28.6	0.0018	0.00197	mg/L				111.56%
249.773	4217.8	0.0554	0.01697	mg/L				30.62%
a 233.527	1791.3	0.0223	0.00306	mg/L				13.69%
QC exceeds upper limit for Ba 233.527		Action = Continue						
e 313.107	-1143.3	0.0005	0.00008	mg/L				15.36%
a 315.887	6936.7	0.0553	0.00892	mg/L				16.15%
d 226.502	-8.0	0.0010	0.00012	mg/L				11.50%
o 228.616	-77.2	0.0064	0.00083	mg/L				12.89%
r 267.716	233.8	0.0014	0.00005	mg/L				3.61%
u 324.754	4264.3	0.0065	0.00104	mg/L				16.01%
e 238.863	439.3	0.0232	0.00350	mg/L				15.11%
404.721	-1146.1	4.451	0.3598	mg/L				8.08%
QC exceeds upper limit for K 404.721		Action = Continue						
g 279.079	903.9	0.0019	0.00278	mg/L				149.26%
n 257.610	595.5	0.0022	0.00025	mg/L				11.31%
Mo 202.030	80.2	0.0079	0.00218	mg/L				27.61%
Na 330.237	1143.0	-0.0362	0.15855	mg/L				438.26%
Ni 231.604	-25.0	0.0046	0.00056	mg/L				12.30%
Pb 220.353	29.1	0.0017	0.00004	mg/L				2.50%
Sb 206.833	131.1	0.0560	0.02134	mg/L				38.10%
QC exceeds upper limit for Sb 206.833		Action = Continue						
Se 196.026	-18.2	0.0000	0.00153	mg/L				>999.9%
Sn 189.933	233.0	0.0245	0.00525	mg/L				21.46%
Ti 334.941	2593.5	0.0074	0.00219	mg/L				29.59%
T 190.800	-10.8	0.0078	0.00318	mg/L				40.73%
V 292.402	1776.5	0.0053	0.00107	mg/L				20.33%
Zn 206.191	18257.5	0.3476	0.01981	mg/L				5.70%
QC exceeds upper limit for Zn 206.191		Action = Continue						

Mean Data

ID: CRI Seq. No.: 108 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 1:13:19 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
[illegible] 371.030	3730690.3	1.055	0.0059	mg/L				0.56%
Ag 328.068	1475.7	0.0181	0.00002	mg/L				0.11%
Al 308.215	4631.3	-0.0122	0.00189	mg/L				15.51%
As 188.979	-1.9	0.0222	0.00379	mg/L				17.08%
B 249.773	2287.0	0.0237	0.00611	mg/L				25.80%
Ba 233.527	132.4	0.0007	0.00006	mg/L				8.98%
Be 313.107	45051.7	0.0098	0.00001	mg/L				0.10%
Ca 315.887	1270.6	0.0044	0.00054	mg/L				12.18%
Cd 226.502	715.5	0.0103	0.00000	mg/L				0.05%
Co 228.616	1941.7	0.1031	0.00004	mg/L				0.04%
Cr 267.716	2150.3	0.0200	0.00019	mg/L				0.95%
Cu 324.754	12649.1	0.0469	0.00019	mg/L				0.42%
Fe 238.863	36.9	0.0024	0.00046	mg/L				19.26%
K 404.721	-1178.6	*3.860*	*1.5858*	mg/L				*41.08%*
Mg 279.079	624.7	-0.0154	0.00796	mg/L				51.79%
Mn 257.610	10673.0	0.0305	0.00005	mg/L				0.16%
Mo 202.030	-11.4	0.0003	0.00017	mg/L				49.96%
Na 330.237	1131.2	-0.0571	0.00983	mg/L				17.23%
Ni 231.604	2413.1	0.0836	0.00026	mg/L				0.31%
Pb 220.353	46.7	0.0061	0.00011	mg/L				1.88%
Sb 206.833	255.0	0.1280	0.00135	mg/L				1.06%
Se 196.026	2.2	0.0107	0.00380	mg/L				35.37%
Sn 189.933	94.5	0.0036	0.00024	mg/L				6.79%
Ti 334.941	-202.3	0.0006	0.00014	mg/L				23.79%
Tl 190.800	6.2	0.0215	0.00050	mg/L				2.32%
V 292.402	19369.5	0.0978	0.00029	mg/L				0.30%
Zn 206.191	11131.0	0.2113	0.00456	mg/L				2.16%

*QC exceeds upper limit for Zn 206.191 Recovery = 528.20% Action = Continue

Mean Data
ID: ICSA Seq. No.: 109 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 1:18:48 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3332992.2	0.943	0.0006	mg/L				0.06%
Ag 328.068	-3272.8	-0.0122	0.00064	mg/L				5.27%
Al 308.215	7442222.3	518.2	2.06	mg/L				0.40%
As 188.979	-70.0	0.0046	0.00175	mg/L				37.77%
B 249.773	9719.2	0.1458	0.00476	mg/L				3.26%
Ba 233.527	-457.6	-0.0070	0.00004	mg/L				0.57%
Be 313.107	-4506.8	-0.0001	0.00000	mg/L				0.99%
Ca 315.887	53866831.9	483.4	1.30	mg/L				0.27%
Cd 226.502	1243.1	0.0062	0.00002	mg/L				0.35%
Co 228.616	-220.3	-0.0004	0.00043	mg/L				99.03%
Cr 267.716	858.1	0.0074	0.00004	mg/L				0.52%
Cu 324.754	1380.4	0.0039	0.00055	mg/L				14.17%
Fe 238.863	3571070.2	184.5	0.01	mg/L				0.01%
K 404.721	-2646.7	2.282	1.0275	mg/L				45.03%
Mg 279.079	8584268.9	529.9	1.40	mg/L				0.26%
Mn 257.610	-3077.4	0.0078	0.00029	mg/L				3.73%
Mo 202.030	21.8	0.0031	0.00011	mg/L				3.63%
Na 330.237	1030.6	-0.1093	0.01032	mg/L				9.45%
Ni 231.604	-158.2	0.0003	0.00032	mg/L				122.56%
Pb 220.353	-151.1	-0.0041	0.00025	mg/L				6.19%
Sb 206.833	39.5	0.0027	0.00354	mg/L				128.80%
Se 196.026	8.3	0.0043	0.00600	mg/L				138.63%
Sn 189.933	13275.0	-0.0410	0.00616	mg/L				15.01%
Ti 334.941	-2705.1	-0.0055	0.00000	mg/L				0.07%
Tl 190.800	-39.6	-0.0155	0.00002	mg/L				0.14%
V [illegible].402	8031.5	0.0382	0.00005	mg/L				0.12%
Z[illegible]6.191	6854.0	0.1151	0.01147	mg/L				9.97%

Mean Data
ID: ICSAB Seq. No.: 110 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0

Data: Original Date: 02/15/02 1:24:47 AM

el	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3335871.3	0.944	0.0024	mg/L				0.26%
328.068	169506.9	1.089	0.0056	mg/L				0.52%
308.215	7447523.4	518.6	2.23	mg/L				0.43%
188.979	-76.1	0.0001	0.00141	mg/L				>999.9%
249.773	9380.5	0.1403	0.00236	mg/L				1.68%
233.527	40869.1	0.5313	0.00268	mg/L				0.51%
313.107	2521345.8	0.5053	0.00005	mg/L				0.01%
315.887	53848099.0	483.2	2.12	mg/L				0.44%
226.502	75697.2	0.9615	0.00526	mg/L				0.55%
228.616	9506.7	0.4652	0.00096	mg/L				0.21%
267.716	51032.3	0.4947	0.00245	mg/L				0.50%
324.754	112290.8	0.5383	0.00657	mg/L				1.22%
238.863	3582424.0	185.0	0.04	mg/L				0.02%
404.721	-2593.2	3.333	1.8925	mg/L				56.78%
279.079	8582741.3	529.8	2.58	mg/L				0.49%
257.610	172724.2	0.5014	0.00189	mg/L				0.38%
202.030	15.9	0.0026	0.00013	mg/L				4.92%
330.237	1212.5	0.2144	0.05932	mg/L				27.67%
231.604	28192.6	0.9192	0.00271	mg/L				0.30%
220.353	3853.3	0.9812	0.00523	mg/L				0.53%
206.833	39.7	0.0029	0.00091	mg/L				31.46%
196.026	6.9	0.0036	0.00103	mg/L				28.57%
189.933	13240.5	-0.0459	0.00526	mg/L				11.46%
334.941	-2681.7	-0.0054	0.00003	mg/L				0.65%
190.800	-50.5	-0.0243	0.00040	mg/L				1.64%
292.402	102557.3	0.5353	0.00192	mg/L				0.36%
206.191	52807.9	0.9943	0.00683	mg/L				0.69%

ean Data

D: CCV Seq. No.: 111 Sample No.: 8 A/S Pos: 4
am Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 1:30:26 AM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Units	RSD
371.030	3688670.2	1.043	0.0072	mg/L				0.69%
g 328.068	75289.5	0.4884	0.00436	mg/L				0.89%
l 308.215	157236.6	10.62	0.491	mg/L				4.63%
s 188.979	1279.1	1.002	0.0111	mg/L				1.11%
249.773	148225.4	2.422	0.0104	mg/L				0.43%
a 233.527	802085.3	10.45	0.007	mg/L				0.07%
e 313.107	1265622.4	0.2540	0.00034	mg/L				0.14%
a 315.887	2980082.8	26.74	0.511	mg/L				1.91%
d 226.502	40108.7	0.5158	0.00626	mg/L				1.21%
o 228.616	52148.4	2.506	0.0272	mg/L				1.08%
r 267.716	51871.1	0.5028	0.00508	mg/L				1.01%
u 324.754	267223.2	1.273	0.0101	mg/L				0.80%
e 238.863	105051.3	5.427	0.2358	mg/L				4.35%
404.721	300.4	30.71	0.664	mg/L				2.16%
QC exceeds upper limit for K 404.721		Recovery = 122.84%		Action = Continue				
g 279.079	427399.7	26.33	0.467	mg/L				1.77%
n 257.610	270741.8	0.7606	0.00007	mg/L				0.01%
o 202.030	29809.4	2.464	0.0139	mg/L				0.56%
a 330.237	14744.0	23.99	0.180	mg/L				0.75%
i 231.604	63880.1	2.076	0.0245	mg/L				1.18%
b 220.353	2131.8	0.5191	0.00545	mg/L				1.05%
b 206.833	8569.1	4.958	0.0057	mg/L				0.12%
e 196.026	945.5	0.5088	0.00444	mg/L				0.87%
n 189.933	35909.9	5.406	0.0729	mg/L				1.35%
i 334.941	1010085.3	2.450	0.0050	mg/L				0.20%
l 190.800	1300.0	1.066	0.0106	mg/L				1.00%
292.402	478442.5	2.512	0.0035	mg/L				0.14%
n 206.191	55997.1	1.070	0.0142	mg/L				1.33%

Me Data

ID: CCB Seq. No.: 112 Sample No.: 9 A/S Pos: 5
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/15/02 1:35:31 AM

lement	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Units	Mean Conc.	Sample Std.Dev.	Units	RSD
7 030	3724927.1	1.054	0.0076	mg/L				0.72%
g .068	-1265.2	0.0006	0.00003	mg/L				5.58%
l 308.215	5328.7	0.0364	0.01278	mg/L				35.09%
s 188.979	-26.6	0.0033	0.00059	mg/L				17.62%
249.773	4371.8	0.0579	0.01718	mg/L				29.65%
a 233.527	1630.8	0.0202	0.00569	mg/L				28.12%
QC exceeds upper limit for Ba 233.527		Action = Continue						
e 313.107	-999.3	0.0006	0.00004	mg/L				6.54%
a 315.887	10118.2	0.0838	0.01343	mg/L				16.03%
d 226.502	-5.8	0.0011	0.00030	mg/L				27.65%
o 228.616	-76.9	0.0064	0.00153	mg/L				23.74%
r 267.716	216.0	0.0012	0.00032	mg/L				27.27%
u 324.754	4357.8	0.0069	0.00155	mg/L				22.33%
e 238.863	1021.5	0.0533	0.00959	mg/L				18.01%
404.721	-1066.8	5.890	0.1881	mg/L				3.19%
QC exceeds upper limit for K 404.721		Action = Continue						
g 279.079	5457.3	0.2829	0.05335	mg/L				18.86%
n 257.610	471.3	0.0019	0.00045	mg/L				23.98%
o 202.030	72.7	0.0073	0.00263	mg/L				36.08%
a 330.237	1137.7	-0.0455	0.04927	mg/L				108.28%
i 231.604	-27.8	0.0045	0.00101	mg/L				22.60%
b 220.353	27.4	0.0013	0.00046	mg/L				35.11%
b 206.833	131.1	0.0560	0.02231	mg/L				39.87%
QC exceeds upper limit for Sb 206.833		Action = Continue						
e 196.026	-15.1	0.0016	0.00005	mg/L				3.10%
n 189.933	294.5	0.0337	0.00574	mg/L				17.02%
i 334.941	2377.8	0.0069	0.00144	mg/L				20.95%
l 190.800	-11.6	0.0071	0.00008	mg/L				1.08%
/ 292.402	1689.8	0.0048	0.00034	mg/L				7.14%
n 206.191	2133.3	0.0391	0.00090	mg/L				2.30%
QC exceeds upper limit for Zn 206.191		Action = Continue						

Metals Cover Page

Instrument: FIMS

Analyst: DCB Date: 2/6/02

Data File: Feb-06 Reviewed By: DCB

Entered By: ~~DCB~~ CH2M 2/11/02 Manager Approval: CH2M 2/11/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems
~~74234~~ ~~74237~~ 74379	Hg	M2480131A	7471 TCLP		

Package Data:

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
R-10427	(Pkg 5) / ASP	Hg TCLP		M2480131A	(YES) / NO	MARRS to LIMS / (Run Created Above)	YES / NO
R-10454	(Pkg 5) / ASP	Hg		M2480131B	(YES) / NO	(MARRS to LIMS) / Run Created Above	YES / NO
R-10454	(Pkg 5) / ASP	Hg		M2480131C	(YES) / NO	(MARRS to LIMS) / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

Method Name: Hg_CLP
Method Description: Method 245.1A FIMS
Element: Hg

2/6/02
DCB

Date: 02/06/2002
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: ROUTINE.SIF Results Data Set Name: Feb-06

Element: Hg Seq. No.: 24 AS Loc.: 1 Date: 02/06/2002
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0004	0.0015	0.0004	09:42:19	No
2			0.0003	0.0015	0.0003	09:42:48	No
Mean:			0.0003				
SD :			0.0000				
%RSD:			2.0446				

Auto-zero performed.

Element: Hg Seq. No.: 25 AS Loc.: 8 Date: 02/06/2002
Sample ID: 0.2ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0020	0.0107	0.0024	09:44:08	No
2			0.0019	0.0101	0.0023	09:44:37	No
Mean:			0.0020				
SD :			0.0000				
%RSD:			2.0592				

[Hg] Standard number 1 applied. [0.2000]
Correlation Coefficient: 1.00000 Slope: 0.00988

Element: Hg Seq. No.: 26 AS Loc.: 2 Date: 02/06/2002
Sample ID: 0.5ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0050	0.0246	0.0053	09:45:58	No
2			0.0050	0.0248	0.0053	09:46:27	No
Mean:			0.0050				
SD :			0.0000				
%RSD:							

[Hg] Standard number 2 applied. [0.5000]
Correlation Coefficient: 0.99998 Slope: 0.00994

Element: Hg Seq. No.: 27 AS Loc.: 3 Date: 02/06/2002
Sample ID: 1ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0104	0.0502	0.0107	09:47:45	No
2			0.0104	0.0504	0.0107	09:48:14	No
Mean:			0.0104				
SD :			0.0000				
%RSD:							

[Hg] Standard number 3 applied. [1.000]

1	3.041	3.041	0.0310	0.1465	0.0313	09:55:03	No
2	3.052	3.052	0.0311	0.1456	0.0314	09:55:33	No
Mean:	3.046	3.046	0.0310				
SD :	0.00770	0.00770	0.0001				
%RSD:	0.3	0.3	0.2528				

QC value within specified limits.

Element: Hg Seq. No.: 32 AS Loc.: 1 Date: 02/06/2002
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0019	-0.0019	0.0000	0.0015	0.0003	09:56:52	No
2	-0.0014	-0.0014	0.0000	0.0017	0.0003	09:57:22	No
Mean:	-0.0016	-0.0016	0.0000				
SD :	0.00038	0.00038	0.0000				
%RSD:	23.1	23.1	23.0613				

QC value within specified limits.

Element: Hg Seq. No.: 33 AS Loc.: 8 Date: 02/06/2002
Sample ID: CRII

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1930	0.1930	0.0020	0.0108	0.0023	09:58:42	No
2	0.1973	0.1973	0.0020	0.0108	0.0024	09:59:11	No
Mean:	0.1952	0.1952	0.0020				
SD :	0.00306	0.00306	0.0000				
%RSD:	1.6	1.6	1.5653				

QC value within specified limits.

Element: Hg Seq. No.: 34 AS Loc.: 7 Date: 02/06/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.000	3.000	0.0305	0.1451	0.0309	10:00:33	No
2	3.064	3.064	0.0312	0.1455	0.0315	10:01:02	No
Mean:	3.032	3.032	0.0309				
SD :	0.04483	0.04483	0.0005				
%RSD:	1.5	1.5	1.4784				

QC value within specified limits.

Element: Hg Seq. No.: 35 AS Loc.: 1 Date: 02/06/2002
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0073	-0.0073	-0.0001	0.0010	0.0003	10:02:21	No
2	-0.0034	-0.0034	0.0000	0.0015	0.0003	10:02:50	No
Mean:	-0.0053	-0.0053	-0.0001				
SD :	0.00275	0.00275	0.0000				
%RSD:	51.4	51.4	51.4101				

QC value within specified limits.

Element: Hg Seq. No.: 36 2/7/02 DCB AS Loc.: 9 Date: 02/06/2002
Sample ID: PBT-M2480131A ~~529467~~ 529624

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	-0.0069	-0.0069	-0.0001	0.0012	0.0003	10:04:06	No
2	-0.0064	-0.0064	-0.0001	0.0011	0.0003	10:04:36	No
Mean:	-0.0066	-0.0066	-0.0001				
SD :	0.00035	0.00035	0.0000				
%RSD:	5.2	5.2	5.2143				

Element: Hg Seq. No.: 37 2/7/02 DCS AS Loc.: 10 Date: 02/06/2002
Sample ID: LCSS-M2480131A ~~524464~~ 524625

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	8.724	8.724	0.0888	0.4307	0.0892	10:05:53	No
2	8.929	8.929	0.0909	0.4327	0.0912	10:06:22	No
Mean:	8.826	8.826	0.0898				
SD :	0.1450	0.1450	0.0015				
%RSD:	1.6	1.6	1.6433				

Element: Hg Seq. No.: 38 AS Loc.: 11 Date: 02/06/2002
Sample ID: 526404

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0544	0.0544	0.0006	0.0040	0.0009	10:07:40	No
2	0.0504	0.0504	0.0005	0.0032	0.0009	10:08:09	No
Mean:	0.0524	0.0524	0.0005				
SD :	0.00285	0.00285	0.0000				
%RSD:	5.4	5.4	5.4384				

Element: Hg Seq. No.: 39 2/7/02 DCS AS Loc.: 12 Date: 02/06/2002
Sample ID: 526404D ~~524464~~ 524622

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0342	0.0342	0.0003	0.0029	0.0007	10:09:29	No
2	0.0374	0.0374	0.0004	0.0036	0.0007	10:09:58	No
Mean:	0.0358	0.0358	0.0004				
SD :	0.00226	0.00226	0.0000				
%RSD:	6.3	6.3	6.3146				

Element: Hg Seq. No.: 40 2/7/02 DCS AS Loc.: 13 Date: 02/06/2002
Sample ID: 526404S ~~524464~~ 524623

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.9738	0.9738	0.0099	0.0483	0.0103	10:11:17	No
2	0.9888	0.9888	0.0101	0.0481	0.0104	10:11:46	No
Mean:	0.9813	0.9813	0.0100				
SD :	0.01060	0.01060	0.0001				
%RSD:	1.1	1.1	1.0804				

Element: Hg Seq. No.: 41 AS Loc.: 14 Date: 02/06/2002
Sample ID: PBS-M2480131B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0045	-0.0045	0.0000	0.0012	0.0003	10:13:07	No
2	-0.0030	-0.0030	0.0000	0.0014	0.0003	10:13:37	No
Mean:	-0.0038	-0.0038	0.0000				
SD :	0.00103	0.00103	0.0000				
%RSD:	27.2	27.2	27.2457				

Element: Hg Seq. No.: 42 AS Loc.: 15 Date: 02/06/2002
Sample ID: LCSS-M2480131B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	8.405	8.405	0.0856	0.4044	0.0859	10:14:59	No
2	8.429	8.429	0.0858	0.4045	0.0861	10:15:28	No
Mean:	8.417	8.417	0.0857				
SD :	0.01712	0.01712	0.0002				
%RSD:	0.2	0.2	0.2034				

Element: Hg Seq. No.: 43 AS Loc.: 16 Date: 02/06/2002
Sample ID: ~~526737~~ 526757 CK 2/12/02

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0342	0.0342	0.0003	0.0030	0.0007	10:16:50	No
2	0.0344	0.0344	0.0004	0.0032	0.0007	10:17:20	No
Mean:	0.0343	0.0343	0.0003				
SD :	0.00018	0.00018	0.0000				
%RSD:	0.5	0.5	0.5281				

Element: Hg Seq. No.: 44 AS Loc.: 17 Date: 02/06/2002
Sample ID: ~~526737D~~ 526757D CK 2/12/02

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0307	0.0307	0.0003	0.0028	0.0007	10:18:40	No
2	0.0292	0.0292	0.0003	0.0028	0.0006	10:19:09	No
Mean:	0.0300	0.0300	0.0003				
SD :	0.00107	0.00107	0.0000				
%RSD:	3.6	3.6	3.5836				

Element: Hg Seq. No.: 45 AS Loc.: 18 Date: 02/06/2002
Sample ID: ~~526737S~~ 526757S CK 2/12/02

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.8299	0.8299	0.0084	0.0413	0.0088	10:20:23	No
2	0.8297	0.8297	0.0084	0.0413	0.0088	10:20:52	No
Mean:	0.8298	0.8298	0.0084				
SD :	0.00013	0.00013	0.0000				
%RSD:							

Element: Hg Seq. No.: 46 AS Loc.: 7 Date: 02/06/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.079	3.079	0.0313	0.1485	0.0317	10:22:11	No
2	3.075	3.075	0.0313	0.1487	0.0316	10:22:41	No
Mean:	3.077	3.077	0.0313				
SD :	0.00328	0.00328	0.0000				
%RSD:	0.1	0.1	0.1066				

QC value within specified limits.

Element: Hg Seq. No.: 47 AS Loc.: 1 Date: 02/06/2002
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	-0.0033	-0.0033	0.0000	0.0014	0.0003	10:24:00	No
2	-0.0036	-0.0036	0.0000	0.0014	0.0003	10:24:30	No
Mean:	-0.0035	-0.0035	0.0000				
SD :	0.00017	0.00017	0.0000				
%RSD:	4.8	4.8	4.8488				

QC value within specified limits.

Element: Hg Seq. No.: 48 AS Loc.: 19 Date: 02/06/2002
Sample ID: 526760

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1492	0.1492	0.0015	0.0092	0.0019	10:25:47	No
2	0.1457	0.1457	0.0015	0.0088	0.0018	10:26:17	No
Mean:	0.1474	0.1474	0.0015				
SD :	0.00252	0.00252	0.0000				
%RSD:	1.7	1.7	1.7075				

Element: Hg Seq. No.: 49 AS Loc.: 20 Date: 02/06/2002
Sample ID: 526763

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0047	0.0047	0.0000	0.0018	0.0004	10:27:33	No
2	0.0062	0.0062	0.0001	0.0020	0.0004	10:28:02	No
Mean:	0.0055	0.0055	0.0001				
SD :	0.00104	0.00104	0.0000				
%RSD:	19.1	19.1	19.0751				

Element: Hg Seq. No.: 50 AS Loc.: 21 Date: 02/06/2002
Sample ID: 526765

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0136	0.0136	0.0001	0.0021	0.0005	10:29:19	No
2	0.0134	0.0134	0.0001	0.0019	0.0005	10:29:48	No
Mean:	0.0135	0.0135	0.0001				
SD :	0.00015	0.00015	0.0000				
%RSD:	1.1	1.1	1.1470				

Element: Hg Seq. No.: 51 AS Loc.: 22 Date: 02/06/2002
Sample ID: 526767

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.2350	0.2350	0.0024	0.0125	0.0027	10:31:06	No
2	0.2435	0.2435	0.0025	0.0129	0.0028	10:31:35	No
Mean:	0.2392	0.2392	0.0024				
SD :	0.00603	0.00603	0.0001				
%RSD:	2.5	2.5	2.5212				

Element: Hg Seq. No.: 52 AS Loc.: 23 Date: 02/06/2002
Sample ID: 526769

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0337	0.0337	0.0003	0.0032	0.0007	10:32:53	No
2	0.0339	0.0339	0.0003	0.0031	0.0007	10:33:23	No
Mean:	0.0338	0.0338	0.0003				
SD :	0.00018	0.00018	0.0000				

%RSD: 0.5 0.5 0.5235

Element: Hg Seq. No.: 53 AS Loc.: 24 Date: 02/06/2002
Sample ID: 526771

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0247	0.0247	0.0003	0.0025	0.0006	10:34:42	No
2	0.0240	0.0240	0.0002	0.0026	0.0006	10:35:12	No
Mean:	0.0243	0.0243	0.0002				
SD :	0.00050	0.00050	0.0000				
%RSD:	2.0	2.0	2.0407				

Element: Hg Seq. No.: 54 AS Loc.: 25 Date: 02/06/2002
Sample ID: PBS-M2480131C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0035	-0.0035	0.0000	0.0014	0.0003	10:36:30	No
2	-0.0047	-0.0047	0.0000	0.0014	0.0003	10:36:59	No
Mean:	-0.0041	-0.0041	0.0000				
SD :	0.00086	0.00086	0.0000				
%RSD:	20.8	20.8	20.7851				

Element: Hg Seq. No.: 55 AS Loc.: 26 Date: 02/06/2002
Sample ID: LCSS-M2480131C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	9.018	9.018	0.0918	0.4337	0.0922	10:38:18	No
2	9.052	9.052	0.0921	0.4345	0.0925	10:38:47	No
Mean:	9.035	9.035	0.0920				
SD :	0.02346	0.02346	0.0002				
%RSD:	0.3	0.3	0.2597				

Element: Hg Seq. No.: 56 AS Loc.: 27 Date: 02/06/2002
Sample ID: 526773

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1019	0.1019	0.0010	0.0063	0.0014	10:40:12	No
2	0.1075	0.1075	0.0011	0.0069	0.0014	10:40:41	No
Mean:	0.1047	0.1047	0.0011				
SD :	0.00397	0.00397	0.0000				
%RSD:	3.8	3.8	3.7896				

Element: Hg Seq. No.: 57 AS Loc.: 28 Date: 02/06/2002
Sample ID: 526774

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0296	0.0296	0.0003	0.0030	0.0006	10:42:02	No
2	0.0281	0.0281	0.0003	0.0027	0.0006	10:42:31	No
Mean:	0.0288	0.0288	0.0003				
SD :	0.00102	0.00102	0.0000				
%RSD:	3.5	3.5	3.5195				

Element: Hg Seq. No.: 58 AS Loc.: 7 Date: 02/06/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.097	3.097	0.0315	0.1496	0.0319	10:43:52	No
2	3.157	3.157	0.0321	0.1508	0.0325	10:44:22	No
Mean:	3.127	3.127	0.0318				
SD :	0.04254	0.04254	0.0004				
%RSD:	1.4	1.4	1.3602				

QC value within specified limits.

Element: Hg Seq. No.: 59 AS Loc.: 1 Date: 02/06/2002
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0032	-0.0032	0.0000	0.0010	0.0003	10:45:41	No
2	0.0009	0.0009	0.0000	0.0015	0.0004	10:46:11	No
Mean:	-0.0012	-0.0012	0.0000				
SD :	0.00285	0.00285	0.0000				
%RSD:	247.3	247.3	247.2864				

QC value within specified limits.

Element: Hg Seq. No.: 60 AS Loc.: 29 Date: 02/06/2002
Sample ID: 526775

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0367	0.0367	0.0004	0.0034	0.0007	10:47:30	No
2	0.0339	0.0339	0.0003	0.0031	0.0007	10:47:59	No
Mean:	0.0353	0.0353	0.0004				
SD :	0.00199	0.00199	0.0000				
%RSD:	5.7	5.7	5.6515				

Element: Hg Seq. No.: 61 AS Loc.: 30 Date: 02/06/2002
Sample ID: 526776

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1559	0.1559	0.0016	0.0094	0.0019	10:49:21	No
2	0.1564	0.1564	0.0016	0.0092	0.0019	10:49:50	No
Mean:	0.1562	0.1562	0.0016				
SD :	0.00036	0.00036	0.0000				
%RSD:	0.2	0.2	0.2284				

Element: Hg Seq. No.: 62 AS Loc.: 31 Date: 02/06/2002
Sample ID: 526777

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0403	0.0403	0.0004	0.0036	0.0008	10:51:12	No
2	0.0383	0.0383	0.0004	0.0033	0.0007	10:51:41	No
Mean:	0.0393	0.0393	0.0004				
SD :	0.00146	0.00146	0.0000				
%RSD:	3.7	3.7	3.7238				

Element: Hg Seq. No.: 63 AS Loc.: 32 Date: 02/06/2002
Sample ID: 526778

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	0.0651	0.0651	0.0007	0.0045	0.0010	10:53:00	No
2	0.0669	0.0669	0.0007	0.0045	0.0010	10:53:29	No
Mean:	0.0660	0.0660	0.0007				
SD :	0.00125	0.00125	0.0000				
%RSD:	1.9	1.9	1.8926				

Element: Hg Seq. No.: 64 AS Loc.: 33 Date: 02/06/2002
Sample ID: 526779

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0474	0.0474	0.0005	0.0037	0.0008	10:54:44	No
2	0.0468	0.0468	0.0005	0.0037	0.0008	10:55:13	No
Mean:	0.0471	0.0471	0.0005				
SD :	0.00038	0.00038	0.0000				
%RSD:	0.8	0.8	0.7977				

Element: Hg Seq. No.: 65 AS Loc.: 34 Date: 02/06/2002
Sample ID: 526780

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.072	1.072	0.0109	0.0524	0.0113	10:56:28	No
2	1.053	1.053	0.0107	0.0507	0.0111	10:56:57	No
Mean:	1.062	1.062	0.0108				
SD :	0.01401	0.01401	0.0001				
%RSD:	1.3	1.3	1.3186				

Element: Hg Seq. No.: 66 AS Loc.: 35 Date: 02/06/2002
Sample ID: 526781

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.4665	0.4665	0.0047	0.0240	0.0051	10:58:13	No
2	0.4632	0.4632	0.0047	0.0235	0.0051	10:58:42	No
Mean:	0.4648	0.4648	0.0047				
SD :	0.00234	0.00234	0.0000				
%RSD:	0.5	0.5	0.5039				

Element: Hg Seq. No.: 67 AS Loc.: 36 Date: 02/06/2002
Sample ID: 526782

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0465	0.0465	0.0005	0.0040	0.0008	10:59:59	No
2	0.0462	0.0462	0.0005	0.0038	0.0008	11:00:28	No
Mean:	0.0464	0.0464	0.0005				
SD :	0.00023	0.00023	0.0000				
%RSD:	0.5	0.5	0.5020				

Element: Hg Seq. No.: 68 AS Loc.: 37 Date: 02/06/2002
Sample ID: 526783

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0971	0.0971	0.0010	0.0063	0.0013	11:01:44	No
2	0.0949	0.0949	0.0010	0.0062	0.0013	11:02:15	No
Mean:	0.0960	0.0960	0.0010				
SD :	0.00156	0.00156	0.0000				
%RSD:	1.6	1.6	1.6299				

Element: Hg Seq. No.: 69 AS Loc.: 38 Date: 02/06/2002
Sample ID: 526784

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1780	0.1780	0.0018	0.0094	0.0022	11:03:32	No
2	0.1855	0.1855	0.0019	0.0106	0.0022	11:04:03	No
Mean:	0.1817	0.1817	0.0019				
SD :	0.00532	0.00532	0.0001				
%RSD:	2.9	2.9	2.9271				

Element: Hg Seq. No.: 70 AS Loc.: 7 Date: 02/06/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.154	3.154	0.0321	0.1524	0.0325	11:05:23	No
2	3.169	3.169	0.0323	0.1519	0.0326	11:05:52	No
Mean:	3.162	3.162	0.0322				
SD :	0.01098	0.01098	0.0001				
%RSD:	0.3	0.3	0.3473				

QC value within specified limits.

Element: Hg Seq. No.: 71 AS Loc.: 1 Date: 02/06/2002
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0006	-0.0006	0.0000	0.0015	0.0003	11:07:10	No
2	-0.0028	-0.0028	0.0000	0.0014	0.0003	11:07:40	No
Mean:	-0.0017	-0.0017	0.0000				
SD :	0.00155	0.00155	0.0000				
%RSD:	91.3	91.3	91.3206				

QC value within specified limits.

Element: Hg Seq. No.: 72 AS Loc.: 39 Date: 02/06/2002
Sample ID: 526785

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0591	0.0591	0.0006	0.0044	0.0009	11:08:57	No
2	0.0591	0.0591	0.0006	0.0042	0.0009	11:09:27	No
Mean:	0.0591	0.0591	0.0006				
SD :	0.00006	0.00006	0.0000				
%RSD:	0.1	0.1	0.1094				

Element: Hg Seq. No.: 73 AS Loc.: 40 Date: 02/06/2002
Sample ID: 526786

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0310	0.0310	0.0003	0.0029	0.0007	11:10:45	No
2	0.0326	0.0326	0.0003	0.0032	0.0007	11:11:14	No
Mean:	0.0318	0.0318	0.0003				
SD :	0.00113	0.00113	0.0000				
%RSD:	3.5	3.5	3.5474				

Element: Hg Seq. No.: 74 AS Loc.: 41 Date: 02/06/2002
Sample ID: 526787

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	µg/L	µg/L	Signal	Area	Height		Stored
1	0.0269	0.0269	0.0003	0.0028	0.0006	11:12:33	No
2	0.0247	0.0247	0.0003	0.0028	0.0006	11:13:02	No
Mean:	0.0258	0.0258	0.0003				
SD :	0.00157	0.00157	0.0000				
%RSD:	6.1	6.1	6.0752				

Element: Hg Seq. No.: 75 AS Loc.: 42 Date: 02/06/2002
Sample ID: 526788

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0237	0.0237	0.0002	0.0027	0.0006	11:14:21	No
2	0.0258	0.0258	0.0003	0.0031	0.0006	11:14:50	No
Mean:	0.0247	0.0247	0.0003				
SD :	0.00145	0.00145	0.0000				
%RSD:	5.9	5.9	5.8533				

Element: Hg Seq. No.: 76 AS Loc.: 43 Date: 02/06/2002
Sample ID: 526788D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0270	0.0270	0.0003	0.0030	0.0006	11:16:10	No
2	0.0259	0.0259	0.0003	0.0027	0.0006	11:16:40	No
Mean:	0.0264	0.0264	0.0003				
SD :	0.00077	0.00077	0.0000				
%RSD:	2.9	2.9	2.9130				

Element: Hg Seq. No.: 77 AS Loc.: 44 Date: 02/06/2002
Sample ID: 526788S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.003	1.003	0.0102	0.0497	0.0106	11:18:00	No
2	1.032	1.032	0.0105	0.0505	0.0108	11:18:30	No
Mean:	1.017	1.017	0.0104				
SD :	0.02025	0.02025	0.0002				
%RSD:	2.0	2.0	1.9908				

Element: Hg Seq. No.: 78 AS Loc.: 45 Date: 02/06/2002
Sample ID: 526789

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0551	0.0551	0.0006	0.0043	0.0009	11:19:50	No
2	0.0548	0.0548	0.0006	0.0041	0.0009	11:20:20	No
Mean:	0.0549	0.0549	0.0006				
SD :	0.00019	0.00019	0.0000				
%RSD:	0.3	0.3	0.3379				

Element: Hg Seq. No.: 79 AS Loc.: 46 Date: 02/06/2002
Sample ID: 526790

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0426	0.0426	0.0004	0.0036	0.0008	11:21:41	No
2	0.0412	0.0412	0.0004	0.0035	0.0008	11:22:10	No
Mean:	0.0419	0.0419	0.0004				
SD :	0.00100	0.00100	0.0000				

%RSD: 2.4 2.4 2.3924

Element: Hg Seq. No.: 80 AS Loc.: 47 Date: 02/06/2002
Sample ID: 526791

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0415	0.0415	0.0004	0.0035	0.0008	11:23:32	No
2	0.0421	0.0421	0.0004	0.0035	0.0008	11:24:01	No
Mean:	0.0418	0.0418	0.0004				
SD :	0.00042	0.00042	0.0000				
%RSD:	1.0	1.0	0.9983				

Element: Hg Seq. No.: 81 AS Loc.: 48 Date: 02/06/2002
Sample ID: 526792

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0418	0.0418	0.0004	0.0036	0.0008	11:25:20	No
2	0.0447	0.0447	0.0005	0.0038	0.0008	11:25:49	No
Mean:	0.0433	0.0433	0.0004				
SD :	0.00211	0.00211	0.0000				
%RSD:	4.9	4.9	4.8726				

Element: Hg Seq. No.: 82 AS Loc.: 7 Date: 02/06/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.138	3.138	0.0319	0.1536	0.0323	11:27:07	No
2	3.166	3.166	0.0322	0.1552	0.0326	11:27:36	No
Mean:	3.152	3.152	0.0321				
SD :	0.01970	0.01970	0.0002				
%RSD:	0.6	0.6	0.6250				

QC value within specified limits.

Element: Hg Seq. No.: 83 AS Loc.: 1 Date: 02/06/2002
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0015	-0.0015	0.0000	0.0016	0.0003	11:28:55	No
2	-0.0006	-0.0006	0.0000	0.0016	0.0003	11:29:25	No
Mean:	-0.0010	-0.0010	0.0000				
SD :	0.00059	0.00059	0.0000				
%RSD:	56.6	56.6	56.5509				

QC value within specified limits.

Metals Cover Page

Instrument: FIMS

lyst: DCB

Date: 2/8/02

Data File: Feb-085

Reviewed By: DCB

Entered By: CK 2/12/02

Manager Approval: CK 2/12/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems

CK 2/12/02

Package Data:

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
R-10459 ✓	Pkg 5 / ASP	Hg		M2480132A	YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

Method Name: Hg_CLP
Method Description: Method 245.1A FIMS
Element: Hg

2/8/02
DCS

Date: 02/08/2002
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: ROUTINE.SIF Results Data Set Name: Feb-08S

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 02/08/2002
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0003	0.0019	0.0003	10:54:49	No
2			0.0003	0.0016	0.0003	10:55:19	No
Mean:			0.0003				
SD :			0.0000				
%RSD:			6.0849				

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 8 Date: 02/08/2002
Sample ID: 0.2ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0019	0.0100	0.0022	10:56:39	No
2			0.0019	0.0098	0.0022	10:57:08	No
Mean:			0.0019				
SD :			0.0000				
%RSD:			0.9893				

[Hg] Standard number 1 applied. [0.2000]
Correlation Coefficient: 1.00000 Slope: 0.00959

Element: Hg Seq. No.: 3 AS Loc.: 2 Date: 02/08/2002
Sample ID: 0.5ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0049	0.0223	0.0052	10:58:28	No
2			0.0047	0.0222	0.0050	10:58:57	No
Mean:			0.0048				
SD :			0.0001				
%RSD:			1.8554				

[Hg] Standard number 2 applied. [0.5000]
Correlation Coefficient: 1.00000 Slope: 0.00960

Element: Hg Seq. No.: 4 AS Loc.: 3 Date: 02/08/2002
Sample ID: 1ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0100	0.0443	0.0103	11:00:16	No
2			0.0098	0.0440	0.0101	11:00:45	No
Mean:			0.0099				
SD :			0.0001				
%RSD:			1.4967				

[Hg] Standard number 3 applied. [1.000]

Correlation Coefficient: 0.99969 Slope: 0.00983

Element: Hg Seq. No.: 5 AS Loc.: 4 Date: 02/08/2002
Sample ID: 2ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0200	0.0882	0.0203	11:02:04	No
2			0.0195	0.0866	0.0198	11:02:33	No
Mean:			0.0197				
SD :			0.0004				
%RSD:			1.9163				

[Hg] Standard number 4 applied. [2.000]
Correlation Coefficient: 0.99994 Slope: 0.00986

Element: Hg Seq. No.: 6 AS Loc.: 5 Date: 02/08/2002
Sample ID: 5ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0490	0.2186	0.0494	11:03:53	No
2			0.0487	0.2168	0.0490	11:04:22	No
Mean:			0.0489				
SD :			0.0002				
%RSD:			0.4651				

[Hg] Standard number 5 applied. [5.000]
Correlation Coefficient: 0.99998 Slope: 0.00979

Element: Hg Seq. No.: 7 AS Loc.: 6 Date: 02/08/2002
Sample ID: 10ppb std

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0978	0.4364	0.0981	11:05:43	No
2			0.0957	0.4272	0.0960	11:06:12	No
Mean:			0.0968				
SD :			0.0015				
%RSD:			1.5287				

[Hg] Standard number 6 applied. [10.00]
Correlation Coefficient: 0.99997 Slope: 0.00971

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0003	----	----	----	----
0.2ppb std	0.0019	0.2000	0.1976	0.00002	1.0
0.5ppb std	0.0048	0.5000	0.4947	0.00009	1.9
1ppb std	0.0099	1.0000	1.020	0.00015	1.5
2ppb std	0.0197	2.0000	2.034	0.00038	1.9
5ppb std	0.0489	5.0000	5.037	0.00023	0.5
10ppb std	0.0968	10.0000	9.973	0.00148	1.5
2ppb std	0.0197	2.0000	2.034	0.00038	1.9
Correlation Coefficient: 0.99997		Slope:	0.00971	----	

Element: Hg Seq. No.: 8 AS Loc.: 7 Date: 02/08/2002
Sample ID: ICV

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	µg/L	µg/L	Signal	Area	Height		Stored
1	3.173	3.173	0.0308	0.1363	0.0311	11:07:33	No
2	3.096	3.096	0.0300	0.1335	0.0303	11:08:02	No
Mean:	3.134	3.134	0.0304				
SD :	0.05466	0.05466	0.0005				
%RSD:	1.7	1.7	1.7440				

QC value within specified limits.

Element: Hg Seq. No.: 9 AS Loc.: 1 Date: 02/08/2002
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0036	-0.0036	0.0000	0.0009	0.0003	11:09:21	No
2	-0.0008	-0.0008	0.0000	0.0014	0.0003	11:09:51	No
Mean:	-0.0022	-0.0022	0.0000				
SD :	0.00201	0.00201	0.0000				
%RSD:	91.1	91.1	91.1316				

QC value within specified limits.

Element: Hg Seq. No.: 10 AS Loc.: 8 Date: 02/08/2002
Sample ID: CRII

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.2082	0.2082	0.0020	0.0102	0.0023	11:11:11	No
2	0.2084	0.2084	0.0020	0.0104	0.0023	11:11:41	No
Mean:	0.2083	0.2083	0.0020				
SD :	0.00012	0.00012	0.0000				
%RSD:							

QC value within specified limits.

Element: Hg Seq. No.: 11 AS Loc.: 7 Date: 02/08/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.189	3.189	0.0309	0.1388	0.0313	11:13:02	No
2	3.092	3.092	0.0300	0.1346	0.0303	11:13:32	No
Mean:	3.140	3.140	0.0305				
SD :	0.06849	0.06849	0.0007				
%RSD:	2.2	2.2	2.1811				

QC value within specified limits.

Element: Hg Seq. No.: 12 AS Loc.: 1 Date: 02/08/2002
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0003	-0.0003	0.0000	0.0012	0.0003	11:14:51	No
2	0.0021	0.0021	0.0000	0.0013	0.0003	11:15:20	No
Mean:	0.0009	0.0009	0.0000				
SD :	0.00174	0.00174	0.0000				
%RSD:	191.0	191.0	190.9946				

QC value within specified limits.

Element: Hg Seq. No.: 13 AS Loc.: 9 Date: 02/08/2002
Sample ID: PBS-M2480132A

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	µg/L	µg/L	Signal	Area	Height		Stored
1	0.0012	0.0012	0.0000	0.0010	0.0003	11:16:37	No
2	0.0026	0.0026	0.0000	0.0015	0.0003	11:17:07	No
Mean:	0.0019	0.0019	0.0000				
SD :	0.00094	0.00094	0.0000				
%RSD:	49.5	49.5	49.4972				

Element: Hg Seq. No.: 14 AS Loc.: 10 Date: 02/08/2002
Sample ID: LCSS-M2480132A

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	8.930	8.930	0.0867	0.3943	0.0870	11:18:24	No
2	8.988	8.988	0.0872	0.3925	0.0875	11:18:53	No
Mean:	8.959	8.959	0.0869				
SD :	0.04118	0.04118	0.0004				
%RSD:	0.5	0.5	0.4597				

Element: Hg Seq. No.: 15 AS Loc.: 11 Date: 02/08/2002
Sample ID: 526793

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0235	0.0235	0.0002	0.0022	0.0005	11:20:10	No
2	0.0257	0.0257	0.0002	0.0028	0.0006	11:20:39	No
Mean:	0.0246	0.0246	0.0002				
SD :	0.00151	0.00151	0.0000				
%RSD:	6.1	6.1	6.1494				

Element: Hg Seq. No.: 16 AS Loc.: 12 Date: 02/08/2002
Sample ID: 526794

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0322	0.0322	0.0003	0.0031	0.0006	11:21:59	No
2	0.0359	0.0359	0.0003	0.0031	0.0007	11:22:28	No
Mean:	0.0340	0.0340	0.0003				
SD :	0.00265	0.00265	0.0000				
%RSD:	7.8	7.8	7.7796				

Element: Hg Seq. No.: 17 AS Loc.: 13 Date: 02/08/2002
Sample ID: 526795

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0106	0.0106	0.0001	0.0014	0.0004	11:23:47	No
2	0.0153	0.0153	0.0001	0.0020	0.0005	11:24:16	No
Mean:	0.0130	0.0130	0.0001				
SD :	0.00334	0.00334	0.0000				
%RSD:	25.7	25.7	25.7300				

Element: Hg Seq. No.: 18 AS Loc.: 14 Date: 02/08/2002
Sample ID: 526796

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0447	0.0447	0.0004	0.0038	0.0007	11:25:37	No
2	0.0374	0.0374	0.0004	0.0030	0.0007	11:26:07	No
Mean:	0.0410	0.0410	0.0004				
SD :	0.00515	0.00515	0.0000				

%RSD: 12.6 12.6 12.5613

Element: Hg Seq. No.: 19 AS Loc.: 15 Date: 02/08/2002
Sample ID: 526797

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0395	0.0395	0.0004	0.0035	0.0007	11:27:29	No
2	0.0379	0.0379	0.0004	0.0032	0.0007	11:27:58	No
Mean:	0.0387	0.0387	0.0004				
SD :	0.00119	0.00119	0.0000				
%RSD:	3.1	3.1	3.0640				

Element: Hg Seq. No.: 20 AS Loc.: 16 Date: 02/08/2002
Sample ID: 526798

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0742	0.0742	0.0007	0.0045	0.0010	11:29:21	No
2	0.0746	0.0746	0.0007	0.0046	0.0010	11:29:51	No
Mean:	0.0744	0.0744	0.0007				
SD :	0.00029	0.00029	0.0000				
%RSD:	0.4	0.4	0.3866				

Element: Hg Seq. No.: 21 AS Loc.: 17 Date: 02/08/2002
Sample ID: 526799

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0529	0.0529	0.0005	0.0115	0.0008	11:31:10	No
2	0.0379	0.0379	0.0004	0.0028	0.0007	11:31:39	No
Mean:	0.0454	0.0454	0.0004				
SD :	0.01060	0.01060	0.0001				
%RSD:	23.4	23.4	23.3810				

Element: Hg Seq. No.: 22 AS Loc.: 18 Date: 02/08/2002
Sample ID: 526800

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0333	0.0333	0.0003	0.0028	0.0006	11:32:54	No
2	0.0319	0.0319	0.0003	0.0026	0.0006	11:33:24	No
Mean:	0.0326	0.0326	0.0003				
SD :	0.00103	0.00103	0.0000				
%RSD:	3.2	3.2	3.1644				

Element: Hg Seq. No.: 23 AS Loc.: 7 Date: 02/08/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.184	3.184	0.0309	0.1397	0.0312	11:34:43	No
2	3.147	3.147	0.0305	0.1383	0.0308	11:35:12	No
Mean:	3.165	3.165	0.0307				
SD :	0.02627	0.02627	0.0003				
%RSD:	0.8	0.8	0.8298				

QC value within specified limits.

Element: Hg Seq. No.: 24 AS Loc.: 1 Date: 02/08/2002

Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0051	-0.0051	0.0000	0.0011	0.0003	11:36:32	No
2	-0.0033	-0.0033	0.0000	0.0012	0.0003	11:37:01	No
Mean:	-0.0042	-0.0042	0.0000				
SD :	0.00125	0.00125	0.0000				
%RSD:	30.1	30.1	30.1054				

QC value within specified limits.

Element: Hg Seq. No.: 25 AS Loc.: 19 Date: 02/08/2002
Sample ID: 526801

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0410	0.0410	0.0004	0.0032	0.0007	11:38:18	No
2	0.0305	0.0305	0.0003	0.0015	0.0006	11:38:47	No
Mean:	0.0358	0.0358	0.0003				
SD :	0.00744	0.00744	0.0001				
%RSD:	20.8	20.8	20.7999				

Element: Hg Seq. No.: 26 AS Loc.: 20 Date: 02/08/2002
Sample ID: 526802

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0352	0.0352	0.0003	0.0028	0.0006	11:40:04	No
2	0.0312	0.0312	0.0003	0.0026	0.0006	11:40:33	No
Mean:	0.0332	0.0332	0.0003				
SD :	0.00283	0.00283	0.0000				
%RSD:	8.5	8.5	8.5222				

Element: Hg Seq. No.: 27 AS Loc.: 21 Date: 02/08/2002
Sample ID: 526804

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0348	0.0348	0.0003	0.0029	0.0006	11:41:50	No
2	0.0350	0.0350	0.0003	0.0028	0.0006	11:42:19	No
Mean:	0.0349	0.0349	0.0003				
SD :	0.00009	0.00009	0.0000				
%RSD:	0.3	0.3	0.2525				

Element: Hg Seq. No.: 28 AS Loc.: 22 Date: 02/08/2002
Sample ID: 526805

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0500	0.0500	0.0005	0.0035	0.0008	11:43:37	No
2	0.0508	0.0508	0.0005	0.0034	0.0008	11:44:07	No
Mean:	0.0504	0.0504	0.0005				
SD :	0.00059	0.00059	0.0000				
%RSD:	1.2	1.2	1.1748				

Element: Hg Seq. No.: 29 AS Loc.: 23 Date: 02/08/2002
Sample ID: 526807

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	0.0989	0.0989	0.0010	0.0056	0.0013	11:45:25	No
2	0.0997	0.0997	0.0010	0.0058	0.0013	11:45:54	No
Mean:	0.0993	0.0993	0.0010				
SD :	0.00058	0.00058	0.0000				
%RSD:	0.6	0.6	0.5888				

Element: Hg Seq. No.: 30 AS Loc.: 24 Date: 02/08/2002
Sample ID: 526809

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0294	0.0294	0.0003	0.0025	0.0006	11:47:14	No
2	0.0292	0.0292	0.0003	0.0025	0.0006	11:47:42	No
Mean:	0.0293	0.0293	0.0003				
SD :	0.00018	0.00018	0.0000				
%RSD:	0.6	0.6	0.6047				

Element: Hg Seq. No.: 31 AS Loc.: 25 Date: 02/08/2002
Sample ID: 526809D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0275	0.0275	0.0003	0.0026	0.0006	11:49:01	No
2	0.0249	0.0249	0.0002	0.0023	0.0005	11:49:31	No
Mean:	0.0262	0.0262	0.0003				
SD :	0.00186	0.00186	0.0000				
%RSD:	7.1	7.1	7.0838				

Element: Hg Seq. No.: 32 AS Loc.: 26 Date: 02/08/2002
Sample ID: 526809S

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.058	1.058	0.0103	0.0488	0.0106	11:50:50	No
2	1.052	1.052	0.0102	0.0488	0.0105	11:51:20	No
Mean:	1.055	1.055	0.0102				
SD :	0.00378	0.00378	0.0000				
%RSD:	0.4	0.4	0.3586				

Element: Hg Seq. No.: 33 AS Loc.: 27 Date: 02/08/2002
Sample ID: 526811

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0369	0.0369	0.0004	0.0032	0.0007	11:52:40	No
2	0.0384	0.0384	0.0004	0.0033	0.0007	11:53:09	No
Mean:	0.0377	0.0377	0.0004				
SD :	0.00107	0.00107	0.0000				
%RSD:	2.8	2.8	2.8316				

Element: Hg Seq. No.: 34 AS Loc.: 28 Date: 02/08/2002
Sample ID: 526812

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0529	0.0529	0.0005	0.0036	0.0008	11:54:31	No
2	0.0494	0.0494	0.0005	0.0034	0.0008	11:55:00	No
Mean:	0.0511	0.0511	0.0005				
SD :	0.00249	0.00249	0.0000				
%RSD:	4.9	4.9	4.8756				

Element: Hg Seq. No.: 35 AS Loc.: 7 Date: 02/08/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.084	3.084	0.0299	0.1407	0.0302	11:56:21	No
2	3.102	3.102	0.0301	0.1388	0.0304	11:56:51	No
Mean:	3.093	3.093	0.0300				
SD :	0.01281	0.01281	0.0001				
%RSD:	0.4	0.4	0.4142				

QC value within specified limits.

Element: Hg Seq. No.: 36 AS Loc.: 1 Date: 02/08/2002
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0017	-0.0017	0.0000	0.0011	0.0003	11:58:09	No
2	0.0006	0.0006	0.0000	0.0014	0.0003	11:58:39	No
Mean:	-0.0006	-0.0006	0.0000				
SD :	0.00165	0.00165	0.0000				
%RSD:	294.5	294.5	294.5500				

QC value within specified limits.

Element: Hg Seq. No.: 37 AS Loc.: 29 Date: 02/08/2002
Sample ID: 526813

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0335	0.0335	0.0003	0.0029	0.0006	11:59:58	No
2	0.0296	0.0296	0.0003	0.0025	0.0006	12:00:27	No
Mean:	0.0316	0.0316	0.0003				
SD :	0.00273	0.00273	0.0000				
%RSD:	8.7	8.7	8.6614				

Element: Hg Seq. No.: 38 AS Loc.: 30 Date: 02/08/2002
Sample ID: 526814

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0263	0.0263	0.0003	0.0025	0.0006	12:01:49	No
2	0.0269	0.0269	0.0003	0.0026	0.0006	12:02:19	No
Mean:	0.0266	0.0266	0.0003				
SD :	0.00045	0.00045	0.0000				
%RSD:	1.7	1.7	1.6837				

Element: Hg Seq. No.: 39 AS Loc.: 31 Date: 02/08/2002
Sample ID: 526815

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.6457	0.6457	0.0063	0.0304	0.0066	12:03:41	No
2	0.6375	0.6375	0.0062	0.0293	0.0065	12:04:10	No
Mean:	0.6416	0.6416	0.0062				
SD :	0.00577	0.00577	0.0001				
%RSD:	0.9	0.9	0.9001				

Element: Hg Seq. No.: 40 AS Loc.: 32 Date: 02/08/2002
Sample ID: 526816

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	µg/L	µg/L	Signal	Area	Height		Stored
1	0.0550	0.0550	0.0005	0.0036	0.0008	12:05:29	No
2	0.0561	0.0561	0.0005	0.0041	0.0008	12:05:59	No
Mean:	0.0555	0.0555	0.0005				
SD :	0.00075	0.00075	0.0000				
%RSD:	1.3	1.3	1.3436				

2/8/02 DCB

Reanalyze

Element: Hg Seq. No.: 41 AS Loc.: 33 Date: 02/08/2002
Sample ID: PBS-M2480132B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0036	-0.0036	0.0000	0.0011	0.0003	12:07:13	No
2	-0.0031	-0.0031	0.0000	0.0012	0.0003	12:07:43	No
Mean:	-0.0034	-0.0034	0.0000				
SD :	0.00030	0.00030	0.0000				
%RSD:	8.9	8.9	8.8528				

Element: Hg Seq. No.: 42 AS Loc.: 34 Date: 02/08/2002
Sample ID: LCSS-M2480132B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0290	-0.0290	-0.0003	0.0000	0.0000	12:08:58	No
2	5.430	5.430	0.0527	0.2305	0.0530	12:09:27	No
Mean:	2.700	2.700	0.0262				
SD :	3.860	3.860	0.0375				
%RSD:	142.9	142.9	142.9397				

Element: Hg Seq. No.: 43 AS Loc.: 35 Date: 02/08/2002
Sample ID: 528677

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0850	0.0850	0.0008	0.0058	0.0011	12:10:43	No
2	0.0788	0.0788	0.0008	0.0050	0.0011	12:11:13	No
Mean:	0.0819	0.0819	0.0008				
SD :	0.00437	0.00437	0.0000				
%RSD:	5.3	5.3	5.3374				

Element: Hg Seq. No.: 44 AS Loc.: 36 Date: 02/08/2002
Sample ID: 528678

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0525	0.0525	0.0005	0.0027	0.0008	12:12:29	No
2	0.0536	0.0536	0.0005	0.0026	0.0008	12:12:59	No
Mean:	0.0531	0.0531	0.0005				
SD :	0.00075	0.00075	0.0000				
%RSD:	1.4	1.4	1.4087				

Element: Hg Seq. No.: 45 AS Loc.: 37 Date: 02/08/2002
Sample ID: 528679

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0737	0.0737	0.0007	0.0055	0.0010	12:14:16	No
2	0.0726	0.0726	0.0007	0.0052	0.0010	12:14:45	No
Mean:	0.0731	0.0731	0.0007				
SD :	0.00077	0.00077	0.0000				

%RSD: 1.1 1.1 1.0524

2/8/02 DCB

Reanalyze

Element: Hg Seq. No.: 46 AS Loc.: 38 Date: 02/08/2002
Sample ID: 528680

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.3014	0.3014	0.0029	0.0311	0.0032	12:16:03	No
2	0.6168	0.6168	0.0060	0.0157	0.0063	12:16:32	No
Mean:	0.4591	0.4591	0.0045				
SD :	0.2230	0.2230	0.0022				
%RSD:	48.6	48.6	48.5702				

Element: Hg Seq. No.: 47 AS Loc.: 7 Date: 02/08/2002
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.946	2.946	0.0286	0.1354	0.0289	12:17:52	No
2	3.043	3.043	0.0295	0.1502	0.0298	12:18:21	No
Mean:	2.995	2.995	0.0291				
SD :	0.06853	0.06853	0.0007				
%RSD:	2.3	2.3	2.2882				

QC value within specified limits.

Element: Hg Seq. No.: 48 AS Loc.: 1 Date: 02/08/2002
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0502	0.0502	0.0005	0.0074	0.0008	12:19:39	No
2	0.0303	0.0303	0.0003	0.0060	0.0006	12:20:09	No
Mean:	0.0403	0.0403	0.0004				
SD :	0.01405	0.01405	0.0001				
%RSD:	34.9	34.9	34.9048				

QC value within specified limits.

Element: Hg Seq. No.: 49 AS Loc.: 39 Date: 02/08/2002
Sample ID: 528681

2/8/02 DCB

Run ends

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1059	0.1059	0.0010	0.0085	0.0013	12:21:26	No
2	0.0922	0.0922	0.0009	0.0065	0.0012	12:21:55	No
Mean:	0.0990	0.0990	0.0010				
SD :	0.00970	0.00970	0.0001				
%RSD:	9.8	9.8	9.7984				

Element: Hg Seq. No.: 50 AS Loc.: 40 Date: 02/08/2002
Sample ID: 528682

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1179	0.1179	0.0011	0.0104	0.0015	12:23:14	No
2	0.1069	0.1069	0.0010	0.0099	0.0013	12:23:43	No
Mean:	0.1124	0.1124	0.0011				
SD :	0.00782	0.00782	0.0001				
%RSD:	7.0	7.0	6.9569				

Metals Cover Page

Instrument: DPkma2

Analyst: SD

Date: 2/19/02

Data File: 2feb19

Reviewed By: CK 2/19/02

Entered By: CK 2/19/02

Manager Approval: SD 2/19/02

Starlims Run #	Analytes Used	Batch ID	Method Requested	Failed Analytes	Comments / Problems
74625	Cr Cu Fe Ni Pb Zn	M2680031	200.7		Pb 0.100 mg/L PQL
					Ni 0.0030 mg/L > IBM
					Fe 0.0600 J
74626	Cu Pb(u) Zn	M2680033	200.7		Cu, Zn pqL 10 ppb

Package Data:

Client Sub. #	Type Of Package	Analytes Used	Failed Metals	Batch ID	Standards Attached	How Was Data Transferred To LIMS	Raw Data Copied
R10459	(Pkg 5) / ASP	Zn rpt 1/5000		M2530070	YES / NO	(MARRS to LIMS) / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO
	Pkg 5 / ASP				YES / NO	MARRS to LIMS / Run Created Above	YES / NO

alibration Summary
e' Method 200.7 misc Date: 02/19/02 10:36:17 AM

lement	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

ethod: Method 200.7 misc IEC: 012902.iec MSF:
esults: 2feb19 Spectra Stored: Yes Method Stored: Yes
ample Info: 2007 User: User1 Date: 02/19/02 10:36:17 AM
ethod Description: Optima 3000XL #2

lean Data
D: IS Init Seq. No.: 1 A/S Pos: 1
Data: Original Date: 02/19/02 10:37:47 AM

lement	Mean Corr. Intensity	Std.Dev.	RSD
371.030	3834088.5	14883.08	0.39%

lean Data
D: Calib Blank 1 Seq. No.: 2 A/S Pos: 1
Data: Original Date: 02/19/02 10:39:17 AM

lement	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
371.030	3809798.3	11465.94	0.30%	0.994	mg/L
l 308.215	5472.0	25.22	0.46%	0	mg/L
a 315.887	380.4	22.76	5.98%	0	mg/L
d 226.502	-26.4	2.33	8.84%	0	mg/L
r 267.716	52.9	2.25	4.26%	0	mg/L
u 324.754	2277.9	6.39	0.28%	0	mg/L
e .863	-104.4	4.26	4.08%	0	mg/L
g .079	61.8	5.09	8.25%	0	mg/L
i .604	-185.7	10.74	5.78%	0	mg/L
b 220.353	9.1	4.84	52.94%	0	mg/L
n 206.191	527.8	1.39	0.26%	0	mg/L

Steve 2/19/02

lean Data
D: Calib Std 1 Seq. No.: 3 A/S Pos: 2
Data: Original Date: 02/19/02 10:43:23 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.030	3753768.7	8883.05	0.24%	0.979	mg/L
Al 308.215	296803.5	412.60	0.14%	20.0000	mg/L
Ca 315.887	5929207.9	3356.76	0.06%	50.0000	mg/L
Cd 226.502	81378.8	114.29	0.14%	1.0000	mg/L
Cr 267.716	112775.9	49.87	0.04%	1.0000	mg/L
Cu 324.754	488061.6	428.56	0.09%	2.5000	mg/L
Fe 238.863	224577.5	98.57	0.04%	10.0000	mg/L
Mg 279.079	801283.2	768.24	0.10%	50.0000	mg/L
Ni 231.604	116109.8	194.58	0.17%	4.0000	mg/L
Pb 220.353	3949.9	10.85	0.27%	1.0000	mg/L
Zn 206.191	102973.7	222.70	0.22%	2.0000	mg/L

Calibration Summary
Method: Method 200.7 misc Date: 02/19/02 10:43:48 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Al 308.215	1	Linear	5472.0	14566.6	0.00000	1.000000
Ca 315.887	1	Linear	380.4	118576.5	0.00000	1.000000
Cd 226.502	1	Linear	-26.4	81405.2	0.00000	1.000000
C .716	1	Linear	52.9	112723.0	0.00000	1.000000
Cu 4.754	1	Linear	2277.9	194313.5	0.00000	1.000000
Fe 238.863	1	Linear	-104.4	22468.2	0.00000	1.000000
Mg 279.079	1	Linear	61.8	16024.4	0.00000	1.000000
Ni 231.604	1	Linear	-185.7	29073.9	0.00000	1.000000
Pb 220.353	1	Linear	9.1	3940.8	0.00000	1.000000

Zn 206.191	1	Linear	527.8	51223.0	0.00000	1.000000

M Data
I. IGH CHECK — Seq. No.: 4 — Sample No.: 10 — A/S Pos: 2
Sample Qty: 1.0000 g — Prep. Vol.: 1.0 L — Dilution: 1.0: 1.0
Data: Original — Date: 02/19/02 10:46:42 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3779058.8	0.986	0.0010	mg/L				0.10%
Al 308.215	296952.9	20.01	0.008	mg/L				0.04%
Ca 315.887	5932363.9	50.03	0.028	mg/L				0.06%
Cd 226.502	80721.7	0.9919	0.00393	mg/L				0.40%
Cr 267.716	112630.7	0.9987	0.00086	mg/L				0.09%
Cu 324.754	489109.0	2.505	0.0030	mg/L				0.12%
Fe 238.863	224131.0	9.980	0.0012	mg/L				0.01%
Mg 279.079	801944.7	50.04	0.022	mg/L				0.04%
Ni 231.604	114896.0	3.958	0.0063	mg/L				0.16%
Pb 220.353	3935.7	0.9964	0.00103	mg/L				0.10%
Zn 206.191	102205.0	1.985	0.0050	mg/L				0.25%

Mean Data
ID: ICV — Seq. No.: 5 — Sample No.: 1 — A/S Pos: 3
Sample Qty: 1.0000 g — Prep. Vol.: 1.0 L — Dilution: 1.0: 1.0
Data: Original — Date: 02/19/02 10:49:57 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3800361.5	0.991	0.0081	mg/L				0.82%
Al 308.215	149224.1	9.869	0.0002	mg/L				0.00%
Ca 315.887	3006012.0	25.35	0.012	mg/L				0.05%
Cd 226.502	42084.7	0.5173	0.00745	mg/L				1.44%
Cr 267.716	57687.1	0.5113	0.00038	mg/L				0.07%
Cu 324.754	249342.1	1.271	0.0008	mg/L				0.06%
F 38.863	114397.8	5.096	0.0060	mg/L				0.12%
I 9.079	401484.4	25.05	0.007	mg/L				0.03%
N 31.604	61047.8	2.106	0.0270	mg/L				1.28%
*QC exceeds upper limit for Ni 231.604 Recovery = 105.31% Action = Continue								
Pb 220.353	2049.0	0.5176	0.01052	mg/L				2.03%
Zn 206.191	53890.8	1.042	0.0155	mg/L				1.48%

OK CK211962

Mean Data
ID: ICB — Seq. No.: 6 — Sample No.: 3 — A/S Pos: 1
Sample Qty: 1.0000 g — Prep. Vol.: 1.0 L — Dilution: 1.0: 1.0
Data: Original — Date: 02/19/02 10:53:51 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3837314.9	1.001	0.0097	mg/L				0.97%
Al 308.215	5447.7	-0.0017	0.00241	mg/L				144.59%
Ca 315.887	507.8	0.0011	0.00072	mg/L				66.55%
Cd 226.502	-19.5	0.0001	0.00002	mg/L				19.71%
Cr 267.716	77.8	0.0002	0.00012	mg/L				54.67%
Cu 324.754	2966.5	0.0035	0.00088	mg/L				24.89%
Fe 238.863	18.5	0.0055	0.00142	mg/L				26.05%
Mg 279.079	123.9	0.0039	0.00041	mg/L				10.65%
Ni 231.604	-154.2	0.0011	0.00001	mg/L				1.26%
Pb 220.353	6.6	-0.0006	0.00052	mg/L				81.20%
Zn 206.191	624.6	0.0019	0.00047	mg/L				24.75%

Mean Data
ID: CRI — Seq. No.: 7 — Sample No.: 5 — A/S Pos: 6
Sample Qty: 1.0000 g — Prep. Vol.: 1.0 L — Dilution: 1.0: 1.0
Data: Original — Date: 02/19/02 10:58:36 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
1.030	3938291.6	1.027	0.0143	mg/L				1.39%
08.215	5346.3	-0.0086	0.00417	mg/L				48.37%
Ca 315.887	2998.2	0.0221	0.00085	mg/L				3.85%
Cd 226.502	825.6	0.0105	0.00015	mg/L				1.45%
Cr 267.716	2286.4	0.0198	0.00028	mg/L				1.40%
Cu 324.754	11588.7	0.0479	0.00063	mg/L				1.32%

Fe 238.863	-48.8	0.0025	0.00066	mg/L	26.62%
Mg 279.079	79.9	0.0011	0.00040	mg/L	35.32%
N `1.604	2286.5	0.0850	0.00068	mg/L	0.80%
I .0.353	35.6	0.0067	0.00031	mg/L	4.64%
Zn 206.191	2610.3	0.0407	0.00078	mg/L	1.93%

Mean Data

ID: ICSA Seq. No.: 8 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:03:00 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3452613.2	0.901	0.0109	mg/L				1.21%
Al 308.215	7600162.2	521.4	0.14	mg/L				0.03%
Ca 315.887	56871204.6	479.6	7.16	mg/L				1.49%
Cd 226.502	1559.1	0.0085	0.00034	mg/L				4.02%
Cr 267.716	773.1	0.0064	0.00075	mg/L				11.76%
Cu 324.754	660.9	0.0031	0.00014	mg/L				4.41%
Fe 238.863	4184983.7	186.3	0.07	mg/L				0.04%
Mg 279.079	8354307.9	521.3	0.42	mg/L				0.08%
Ni 231.604	-201.5	-0.0005	0.00002	mg/L				3.91%
Pb 220.353	-190.0	-0.0118	0.00407	mg/L				34.51%
Zn 206.191	1603.9	0.0069	0.00051	mg/L				7.48%

Mean Data

ID: ICSAB Seq. No.: 9 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:06:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3472834.9	0.906	0.0016	mg/L				0.17%
Al 308.215	7601590.4	521.5	0.49	mg/L				0.09%
C `15.887	57104028.9	481.6	1.74	mg/L				0.36%
(6.502	79489.7	0.9658	0.00189	mg/L				0.20%
C_ _67.716	55752.4	0.4941	0.00069	mg/L				0.14%
Cu 324.754	106558.3	0.5481	0.00348	mg/L				0.63%
Fe 238.863	4193797.2	186.7	0.08	mg/L				0.04%
Mg 279.079	8477081.5	529.0	1.81	mg/L				0.34%
Ni 231.604	27326.6	0.9463	0.00176	mg/L				0.19%
Pb 220.353	3737.5	0.9848	0.00534	mg/L				0.54%
Zn 206.191	50049.4	0.9524	0.00162	mg/L				0.17%

Mean Data

ID: CCV Seq. No.: 10 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:10:32 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3804624.8	0.992	0.0014	mg/L				0.14%
Al 308.215	148982.0	9.852	0.0121	mg/L				0.12%
Ca 315.887	3010789.7	25.39	0.007	mg/L				0.03%
Cd 226.502	41773.1	0.5135	0.00307	mg/L				0.60%
Cr 267.716	57344.9	0.5083	0.00021	mg/L				0.04%
Cu 324.754	248616.3	1.268	0.0016	mg/L				0.13%
Fe 238.863	116260.1	5.179	0.0047	mg/L				0.09%
Mg 279.079	402604.3	25.12	0.003	mg/L				0.01%
Ni 231.604	60398.8	2.084	0.0128	mg/L				0.61%
Pb 220.353	2031.8	0.5133	0.00515	mg/L				1.00%
Zn 206.191	53427.8	1.033	0.0049	mg/L				0.48%

Mean Data

ID: CCB Seq. No.: 11 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:14:25 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3790978.7	0.989	0.0060	mg/L				0.61%
Al 308.215	5564.5	0.0063	0.00256	mg/L				40.37%
Ca 315.887	936.0	0.0047	0.00043	mg/L				9.19%

Cd 226.502	-19.2	0.0001	0.00004	mg/L	42.48%
Cr 267.716	90.1	0.0003	0.00001	mg/L	4.27%
C 24.754	2718.9	0.0023	0.00058	mg/L	25.50%
1 8.863	477.1	0.0259	0.00156	mg/L	6.01%
Mg 279.079	1767.3	0.1064	0.00713	mg/L	6.70%
Ni 231.604	-148.7	0.0013	0.00049	mg/L	38.44%
Pb 220.353	9.8	0.0002	0.00005	mg/L	31.77%
Zn 206.191	515.5	-0.0002	0.00045	mg/L	186.77%

Mean Data ----------

ID: PBW-M2680031 Seq. No.: 12 Sample No.: 1 A/S Pos: 9
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:19:02 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3955762.5	1.032	0.0008	mg/L				0.08%
Al 308.215	5374.3	-0.0067	0.00015	mg/L				2.21%
Ca 315.887	198.8	-0.0015	0.00027	mg/L				17.56%
Cd 226.502	-19.7	0.0001	0.00002	mg/L				22.05%
Cr 267.716	95.3	0.0004	0.00009	mg/L				24.44%
Cu 324.754	2474.0	0.0010	0.00005	mg/L				5.07%
Fe 238.863	259.4	0.0162	0.00054	mg/L				3.32%
Mg 279.079	1056.5	0.0621	0.00102	mg/L				1.64%
Ni 231.604	-166.4	0.0007	0.00019	mg/L				28.10%
Pb 220.353	10.0	0.0002	0.00005	mg/L				22.95%
Zn 206.191	522.7	-0.0001	0.00019	mg/L				190.06%

Mean Data ----------

ID: LCSW-M2680031 Seq. No.: 13 Sample No.: 2 A/S Pos: 10
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:22:54 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4089816.6	1.067	0.0053	mg/L				0.50%
Al 308.215	32523.5	1.857	0.0001	mg/L				0.01%
Ca 315.887	231974.0	1.953	0.0018	mg/L				0.09%
Cd 226.502	4159.5	0.0514	0.00001	mg/L				0.03%
Cr 267.716	21805.7	0.1930	0.00049	mg/L				0.25%
Cu 324.754	51928.3	0.2555	0.00089	mg/L				0.35%
Fe 238.863	22254.7	0.9951	0.00341	mg/L				0.34%
Mg 279.079	30837.5	1.921	0.0025	mg/L				0.13%
Ni 231.604	14598.7	0.5085	0.00138	mg/L				0.27%
Pb 220.353	2032.7	0.5135	0.00056	mg/L				0.11%
Zn 206.191	26545.9	0.5079	0.00136	mg/L				0.27%

Mean Data ----------

ID: 525546 Seq. No.: 14 Sample No.: 3 A/S Pos: 11
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:26:58 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3802320.5	0.992	0.0061	mg/L				0.61%
Al 308.215	6680.4	0.0830	0.00154	mg/L				1.85%
Ca 315.887	37001902.2	312.0	2.59	mg/L				0.83%
Cd 226.502	-15.7	0.0001	0.00001	mg/L				8.70%
Cr 267.716	264.6	0.0019	0.00008	mg/L				4.37%
Cu 324.754	77067.4	0.3849	0.00068	mg/L				0.18%
Fe 238.863	737.2	0.0375	0.00067	mg/L				1.79%
Mg 279.079	182399.5	11.38	0.014	mg/L				0.12%
Ni 231.604	-20.9	0.0057	0.00005	mg/L				0.94%
Pb 220.353	9.2	0.0000	0.00040	mg/L				>999.9%
Zn 206.191	572.1	0.0009	0.00015	mg/L				17.73%

Mean Data ~~530646~~ 530649 ----------

~~530646~~ Seq. No.: 15 Sample No.: 4 A/S Pos: 12
le Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
CK 2/19/02 Data: Original Date: 02/19/02 11:31:14 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD

Mislabelled in prep.

Y 371.030	3171860.1	0.827	0.0090	mg/L	1.09%
Al 308.215	13859.0	0.5758	0.01169	mg/L	2.03%
Ca 315.887	49226023.4	415.1	0.79	mg/L	0.19%
Cd 226.502	-1136.3	-0.0136	0.00009	mg/L	0.68%
Cr 267.716	3728.6	0.0326	0.00009	mg/L	0.27%
Cu 324.754	8141.1	0.0302	0.00032	mg/L	1.05%
Fe 238.863	23763.1	1.062	0.0067	mg/L	0.63%
Mg 279.079	310437.0	19.37	0.021	mg/L	0.11%
Ni 231.604	1421.9	0.0553	0.00079	mg/L	1.42%
Pb 220.353	-316.6	-0.0827	0.00348	mg/L	4.21%
Zn 206.191	3951.3	0.0668	0.00025	mg/L	0.38%

Mean Data

ID: 530651 Seq. No.: 16 Sample No.: 5 A/S Pos: 13
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:34:45 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3083236.0	0.804	0.0032	mg/L				0.40%
Al 308.215	13049.7	0.5202	0.00331	mg/L				0.64%
Ca 315.887	32120874.2	270.9	2.04	mg/L				0.75%
Cd 226.502	-809.3	-0.0096	0.00007	mg/L				0.75%
Cr 267.716	5607.9	0.0493	0.00045	mg/L				0.91%
Cu 324.754	8815.9	0.0336	0.00018	mg/L				0.54%
Fe 238.863	32630.0	1.457	0.0011	mg/L				0.08%
Mg 279.079	425939.7	26.58	0.013	mg/L				0.05%
Ni 231.604	2556.2	0.0943	0.00018	mg/L				0.19%
Pb 220.353	-188.7	-0.0502	0.00019	mg/L				0.38%
Zn 206.191	7966.1	0.1452	0.00032	mg/L				0.22%

Mean Data

ID: 530651L Seq. No.: 17 Sample No.: 6 A/S Pos: 14
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:38:57 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3767479.1	0.983	0.0034	mg/L				0.34%
Al 308.215	7147.5	0.1150	0.00157	mg/L				1.37%
Ca 315.887	6620502.7	55.83	0.058	mg/L				0.10%
Cd 226.502	-192.0	-0.0020	0.00001	mg/L				0.36%
Cr 267.716	1178.4	0.0100	0.00002	mg/L				0.21%
Cu 324.754	3381.1	0.0057	0.00003	mg/L				0.57%
Fe 238.863	6760.2	0.3055	0.00133	mg/L				0.44%
Mg 279.079	89701.2	5.594	0.0327	mg/L				0.59%
Ni 231.604	416.3	0.0207	0.00021	mg/L				1.01%
Pb 220.353	-31.9	-0.0104	0.00032	mg/L				3.09%
Zn 206.191	2204.9	0.0327	0.00015	mg/L				0.46%

Mean Data

ID: PBW-M2680033 Seq. No.: 18 Sample No.: 7 A/S Pos: 15
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:43:50 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4217993.2	1.100	0.0014	mg/L				0.13%
Al 308.215	5249.1	-0.0153	0.00011	mg/L				0.75%
Ca 315.887	1256.9	0.0074	0.00026	mg/L				3.53%
Cd 226.502	-26.4	0.0000	0.00003	mg/L				>999.9%
Cr 267.716	68.2	0.0001	0.00007	mg/L				53.85%
Cu 324.754	2236.9	-0.0002	0.00001	mg/L				4.00%
Fe 238.863	40.3	0.0064	0.00003	mg/L				0.39%
Mg 279.079	367.5	0.0191	0.00011	mg/L				0.56%
Ni 231.604	-166.2	0.0007	0.00003	mg/L				5.09%
Pb 220.353	8.3	-0.0002	0.00059	mg/L				271.12%
Zn 206.191	375.1	-0.0030	0.00022	mg/L				7.50%

Mean Data

ID: LCSW-M2680033 Seq. No.: 19 Sample No.: 8 A/S Pos: 16
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:47:52 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y ..030	4232478.5	1.104	0.0156	mg/L				1.41%
Al 308.215	33785.8	1.944	0.0264	mg/L				1.36%
Ca 315.887	239111.1	2.013	0.0118	mg/L				0.59%
Cd 226.502	4340.1	0.0536	0.00070	mg/L				1.31%
Cr 267.716	22362.3	0.1979	0.00201	mg/L				1.01%
Cu 324.754	53358.0	0.2629	0.00009	mg/L				0.03%
Fe 238.863	22645.5	1.013	0.0089	mg/L				0.88%
Mg 279.079	31739.7	1.977	0.0182	mg/L				0.92%
Ni 231.604	15132.7	0.5269	0.00477	mg/L				0.90%
Pb 220.353	2113.8	0.5341	0.00782	mg/L				1.46%
Zn 206.191	27651.7	0.5295	0.00563	mg/L				1.06%

Mean Data

ID: 529854 Seq. No.: 20 Sample No.: 9 A/S Pos: 17
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:51:56 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4205684.3	1.097	0.0099	mg/L				0.90%
Al 308.215	6692.1	0.0838	0.00679	mg/L				8.10%
Ca 315.887	1612562.5	13.60	0.002	mg/L				0.02%
Cd 226.502	-23.8	0.0000	0.00000	mg/L				15.03%
Cr 267.716	152.8	0.0009	0.00014	mg/L				15.74%
Cu 324.754	2700.3	0.0022	0.00009	mg/L				4.26%
Fe 238.863	4490.5	0.2045	0.00085	mg/L				0.41%
Mg 279.079	50439.4	3.144	0.0243	mg/L				0.77%
Ni 231.604	-160.6	0.0009	0.00011	mg/L				12.41%
Pb 220.353	9.3	0.0000	0.00068	mg/L				>999.9%
Zn 206.191	559.5	0.0006	0.00022	mg/L				35.51%

Mean Data

529855 Seq. No.: 21 Sample No.: 10 A/S Pos: 18
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 11:56:55 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4152170.0	1.083	0.0021	mg/L				0.19%
Al 308.215	6185.4	0.0490	0.00150	mg/L				3.06%
Ca 315.887	30918734.1	260.7	0.17	mg/L				0.06%
Cd 226.502	-26.7	0.0000	0.00004	mg/L				>999.9%
Cr 267.716	186.0	0.0012	0.00001	mg/L				0.94%
Cu 324.754	14327.3	0.0620	0.00022	mg/L				0.35%
Fe 238.863	5862.1	0.2656	0.00135	mg/L				0.51%
Mg 279.079	63542.3	3.961	0.0125	mg/L				0.32%
Ni 231.604	-128.8	0.0020	0.00023	mg/L				11.64%
Pb 220.353	11.0	0.0005	0.00077	mg/L				161.50%
Zn 206.191	2385.4	0.0363	0.00022	mg/L				0.61%

Mean Data

ID: CCV Seq. No.: 22 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:01:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4052507.0	1.057	0.0047	mg/L				0.44%
Al 308.215	148887.0	9.845	0.0222	mg/L				0.23%
Ca 315.887	3010286.1	25.38	0.010	mg/L				0.04%
Cd 226.502	41725.2	0.5129	0.00419	mg/L				0.82%
Cr 267.716	56867.0	0.5040	0.00104	mg/L				0.21%
Cu 324.754	247669.1	1.263	0.0037	mg/L				0.29%
Fe 238.863	113412.1	5.052	0.0019	mg/L				0.04%
79.079	401041.5	25.02	0.010	mg/L				0.04%
31.604	59816.5	2.064	0.0154	mg/L				0.74%
Pb 220.353	2041.8	0.5158	0.00623	mg/L				1.21%
Zn 206.191	52729.1	1.019	0.0091	mg/L				0.89%

Mean Data

ID: CCB Seq. No.: 23 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:05:10 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4024157.0	1.050	0.0109	mg/L				1.04%
Al 308.215	5432.7	-0.0027	0.00569	mg/L				210.76%
Ca 315.887	2069.0	0.0142	0.00516	mg/L				36.22%
Cd 226.502	-19.8	0.0001	0.00001	mg/L				7.26%
Cr 267.716	89.9	0.0003	0.00008	mg/L				25.06%
Cu 324.754	2652.5	0.0019	0.00088	mg/L				45.73%
Fe 238.863	-7.2	0.0043	0.00070	mg/L				16.20%
Mg 279.079	276.8	0.0134	0.00290	mg/L				21.59%
Ni 231.604	-160.7	0.0009	0.00038	mg/L				43.94%
Pb 220.353	10.3	0.0003	0.00136	mg/L				480.40%
Zn 206.191	413.8	-0.0022	0.00050	mg/L				22.44%

Mean Data

ID: 529855D Seq. No.: 24 Sample No.: 11 A/S Pos: 19
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:10:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4114167.0	1.073	0.0050	mg/L				0.47%
Al 308.215	6198.0	0.0498	0.00037	mg/L				0.75%
Ca 315.887	30658845.2	258.6	0.36	mg/L				0.14%
Cd 226.502	-23.6	0.0000	0.00000	mg/L				2.41%
Cr 267.716	177.7	0.0011	0.00011	mg/L				10.36%
Cu 324.754	14404.2	0.0624	0.00003	mg/L				0.04%
Fe 238.863	5660.3	0.2566	0.00082	mg/L				0.32%
Mg 279.079	63199.9	3.940	0.0045	mg/L				0.11%
Ni 231.604	-128.4	0.0020	0.00012	mg/L				5.96%
Pb 220.353	10.2	0.0003	0.00045	mg/L				167.53%
[illegible]16.191	2362.0	0.0358	0.00004	mg/L				0.10%

Mean Data

ID: 529855S Seq. No.: 25 Sample No.: 12 A/S Pos: 20
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:14:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4000229.3	1.043	0.0004	mg/L				0.04%
Al 308.215	37094.6	2.171	0.0201	mg/L				0.93%
Ca 315.887	32270940.5	272.1	0.28	mg/L				0.10%
Cd 226.502	4160.7	0.0514	0.00039	mg/L				0.75%
Cr 267.716	22116.1	0.1957	0.00158	mg/L				0.81%
Cu 324.754	65853.5	0.3272	0.00085	mg/L				0.26%
Fe 238.863	28017.0	1.252	0.0068	mg/L				0.54%
Mg 279.079	96233.3	6.002	0.0019	mg/L				0.03%
Ni 231.604	14562.5	0.5073	0.00273	mg/L				0.54%
Pb 220.353	2070.6	0.5231	0.00110	mg/L				0.21%
Zn 206.191	28051.8	0.5373	0.00209	mg/L				0.39%

Mean Data

ID: 529855A Seq. No.: 26 Sample No.: 13 A/S Pos: 21
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:18:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3807412.7	0.993	0.0086	mg/L				0.87%
Al 308.215	35499.1	2.061	0.0164	mg/L				0.80%
Ca 315.887	32947781.3	277.9	0.53	mg/L				0.19%
Cd 226.502	3906.2	0.0483	0.00043	mg/L				0.90%
[illegible]67.716	20815.0	0.1842	0.00187	mg/L				1.02%
[illegible]24.754	63649.7	0.3158	0.00082	mg/L				0.26%
[illegible]238.863	26954.6	1.204	0.0130	mg/L				1.08%
Mg 279.079	97309.1	6.069	0.0026	mg/L				0.04%
Ni 231.604	13645.0	0.4757	0.00399	mg/L				0.84%
Pb 220.353	1956.3	0.4941	0.00756	mg/L				1.53%

Zn 206.191	26632.3	0.5096	0.00554	mg/L	1.09%

Mean Data
I 29855L Seq. No.: 27 Sample No.: 14 A/S Pos: 22
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:22:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4090306.2	1.067	0.0093	mg/L				0.87%
Al 308.215	5638.3	0.0114	0.00364	mg/L				31.91%
Ca 315.887	6579914.2	55.49	0.063	mg/L				0.11%
Cd 226.502	-27.4	0.0000	0.00000	mg/L				13.84%
Cr 267.716	82.8	0.0003	0.00003	mg/L				12.04%
Cu 324.754	4486.6	0.0114	0.00015	mg/L				1.31%
Fe 238.863	1136.3	0.0552	0.00047	mg/L				0.85%
Mg 279.079	13209.8	0.8205	0.00597	mg/L				0.73%
Ni 231.604	-167.4	0.0006	0.00014	mg/L				22.05%
Pb 220.353	8.0	-0.0003	0.00021	mg/L				73.97%
Zn 206.191	694.6	0.0033	0.00006	mg/L				1.94%

Mean Data
ID: 529856 Seq. No.: 28 Sample No.: 15 A/S Pos: 23
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:27:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3902378.7	1.018	0.0120	mg/L				1.17%
Al 308.215	5781.0	0.0212	0.00409	mg/L				19.29%
Ca 315.887	85017230.1	717.0	7.59	mg/L				1.06%
Cd 226.502	-32.5	-0.0001	0.00004	mg/L				46.74%
Cr 267.716	199.7	0.0013	0.00006	mg/L				4.99%
Cu 324.754	14099.4	0.0608	0.00080	mg/L				1.31%
Fe 238.863	4554.7	0.2074	0.00265	mg/L				1.28%
Mg 279.079	111910.0	6.980	0.1936	mg/L				2.77%
Ni 231.604	-81.3	0.0036	0.00018	mg/L				4.93%
Pb 220.353	10.8	0.0004	0.00100	mg/L				234.28%
Zn 206.191	5969.9	0.1062	0.00102	mg/L				0.96%

Mean Data
ID: 529857 Seq. No.: 29 Sample No.: 16 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:32:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	4093764.2	1.068	0.0007	mg/L				0.07%
Al 308.215	6086.9	0.0422	0.00175	mg/L				4.13%
Ca 315.887	1603645.4	13.52	0.152	mg/L				1.12%
Cd 226.502	-23.7	0.0000	0.00005	mg/L				148.02%
Cr 267.716	134.2	0.0007	0.00006	mg/L				7.88%
Cu 324.754	2472.1	0.0010	0.00004	mg/L				4.42%
Fe 238.863	3310.3	0.1520	0.00040	mg/L				0.26%
Mg 279.079	49604.2	3.092	0.0157	mg/L				0.51%
Ni 231.604	-167.5	0.0006	0.00011	mg/L				17.85%
Pb 220.353	10.8	0.0004	0.00123	mg/L				300.94%
Zn 206.191	514.5	-0.0003	0.00020	mg/L				77.73%

Mean Data
ID: 529859 Seq. No.: 30 Sample No.: 17 A/S Pos: 25
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:37:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3999989.9	1.043	0.0049	mg/L				0.47%
Al 308.215	6078.1	0.0416	0.00170	mg/L				4.09%
Ca 315.887	1713612.2	14.45	0.014	mg/L				0.10%
Cd 226.502	-24.4	0.0000	0.00000	mg/L				12.87%
Cr 267.716	107.8	0.0005	0.00004	mg/L				8.44%
Cu 324.754	2989.5	0.0037	0.00009	mg/L				2.44%
Fe 238.863	1442.9	0.0689	0.00029	mg/L				0.42%

Mg 279.079	53319.7	3.324	0.0364	mg/L	1.09%
Ni 231.604	-168.4	0.0006	0.00021	mg/L	35.12%
Pb 220.353	9.4	0.0001	0.00099	mg/L	>999.9%
Zn 206.191	584.1	0.0011	0.00005	mg/L	4.25%

Mean Data

ID: 529861 Seq. No.: 31 Sample No.: 18 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:42:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3959972.2	1.033	0.0052	mg/L				0.51%
Al 308.215	5711.0	0.0164	0.00253	mg/L				15.40%
Ca 315.887	31615212.7	266.6	0.07	mg/L				0.03%
Cd 226.502	-28.3	0.0000	0.00002	mg/L				67.14%
Cr 267.716	150.1	0.0009	0.00007	mg/L				8.44%
Cu 324.754	9672.6	0.0381	0.00007	mg/L				0.18%
Fe 238.863	28.4	0.0059	0.00046	mg/L				7.72%
Mg 279.079	70234.3	4.379	0.0055	mg/L				0.13%
Ni 231.604	-137.1	0.0017	0.00016	mg/L				9.45%
Pb 220.353	12.7	0.0009	0.00118	mg/L				132.07%
Zn 206.191	3597.6	0.0599	0.00021	mg/L				0.35%

Mean Data

ID: 529862 Seq. No.: 32 Sample No.: 19 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:47:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3725883.8	0.972	0.0038	mg/L				0.39%
Al 308.215	5962.9	0.0337	0.00148	mg/L				4.41%
Ca 315.887	87605726.6	738.8	2.46	mg/L				0.33%
Cd 226.502	-31.7	-0.0001	0.00009	mg/L				141.36%
Cr 267.716	198.5	0.0013	0.00007	mg/L				5.22%
Cu 324.754	10106.1	0.0403	0.00023	mg/L				0.58%
Fe 238.863	-56.6	0.0021	0.00010	mg/L				4.74%
Mg 279.079	119061.9	7.426	0.0049	mg/L				0.07%
Ni 231.604	-83.7	0.0035	0.00020	mg/L				5.64%
Pb 220.353	13.9	0.0012	0.00079	mg/L				64.71%
Zn 206.191	6208.2	0.1109	0.00042	mg/L				0.38%

Mean Data

ID: 529871 Seq. No.: 33 Sample No.: 20 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:52:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	4027989.1	1.051	0.0022	mg/L				0.21%
Al 308.215	6711.3	0.0851	0.00344	mg/L				4.04%
Ca 315.887	1708729.6	14.41	0.140	mg/L				0.97%
Cd 226.502	-22.3	0.0000	0.00007	mg/L				144.51%
Cr 267.716	114.4	0.0005	0.00003	mg/L				5.13%
Cu 324.754	2741.5	0.0024	0.00005	mg/L				1.95%
Fe 238.863	3973.7	0.1815	0.00019	mg/L				0.10%
Mg 279.079	52109.4	3.248	0.0310	mg/L				0.95%
Ni 231.604	-182.0	0.0001	0.00012	mg/L				97.67%
Pb 220.353	10.0	0.0002	0.00000	mg/L				0.66%
Zn 206.191	485.0	-0.0008	0.00032	mg/L				37.86%

Mean Data

ID: CCV Seq. No.: 34 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 12:56:39 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Std.Dev.	Calib Units	Mean Conc.	Sample Std.Dev.	Sample Units	RSD
Y 371.030	3857319.2	1.006	0.0021	mg/L				0.21%
Al 308.215	147573.8	9.755	0.0173	mg/L				0.18%
Ca 315.887	3005654.6	25.34	0.001	mg/L				0.00%
Cd 226.502	42449.0	0.5218	0.00036	mg/L				0.07%

Cr 267.716	56307.9	0.4991	0.00018	mg/L	0.04%
Cu 324.754	246454.2	1.257	0.0020	mg/L	0.16%
Fe [illegible].863	112671.4	5.019	0.0018	mg/L	0.04%
Mg [illegible].079	400229.1	24.97	0.013	mg/L	0.05%
Ni 231.604	60330.2	2.081	0.0048	mg/L	0.23%
Pb 220.353	2098.2	0.5301	0.00157	mg/L	0.30%
Zn 206.191	53551.1	1.035	0.0035	mg/L	0.34%

Mean Data ----------

ID: CCB Seq. No.: 35 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:00:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3888172.0	1.014	0.0006	mg/L				0.06%
Al 308.215	5597.2	0.0086	0.00023	mg/L				2.65%
Ca 315.887	945.2	0.0048	0.00368	mg/L				77.34%
Cd 226.502	-20.1	0.0001	0.00002	mg/L				20.04%
Cr 267.716	81.1	0.0003	0.00017	mg/L				69.17%
Cu 324.754	2938.5	0.0034	0.00059	mg/L				17.28%
Fe 238.863	-80.0	0.0011	0.00008	mg/L				6.99%
Mg 279.079	111.6	0.0031	0.00310	mg/L				99.57%
Ni 231.604	-178.5	0.0002	0.00051	mg/L				209.18%
Pb 220.353	9.0	0.0000	0.00101	mg/L				>999.9%
Zn 206.191	384.4	-0.0028	0.00032	mg/L				11.43%

Mean Data ----------

ID: 529873 Seq. No.: 36 Sample No.: 21 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:05:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y [illegible].030	3843261.7	1.002	0.0003	mg/L				0.03%
Al 8.215	6401.1	0.0638	0.00083	mg/L				1.30%
Ca [illegible]15.887	24417127.7	205.9	0.36	mg/L				0.17%
Cd 226.502	-26.7	0.0000	0.00002	mg/L				615.75%
Cr 267.716	173.2	0.0011	0.00002	mg/L				2.27%
Cu 324.754	14155.5	0.0611	0.00006	mg/L				0.10%
Fe 238.863	5770.2	0.2615	0.00069	mg/L				0.26%
Mg 279.079	57589.1	3.590	0.0014	mg/L				0.04%
Ni 231.604	-160.6	0.0009	0.00015	mg/L				17.93%
Pb 220.353	13.2	0.0010	0.00009	mg/L				8.22%
Zn 206.191	2614.0	0.0407	0.00021	mg/L				0.51%

Mean Data ----------

ID: 529873D Seq. No.: 37 Sample No.: 22 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:10:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3768351.6	0.983	0.0010	mg/L				0.10%
Al 308.215	6549.8	0.0740	0.00050	mg/L				0.67%
Ca 315.887	25098924.2	211.7	0.73	mg/L				0.35%
Cd 226.502	-26.2	0.0000	0.00004	mg/L				>999.9%
Cr 267.716	167.1	0.0010	0.00007	mg/L				6.60%
Cu 324.754	14420.7	0.0625	0.00005	mg/L				0.07%
Fe 238.863	5855.4	0.2653	0.00056	mg/L				0.21%
Mg 279.079	58687.7	3.659	0.0002	mg/L				0.00%
Ni 231.604	-157.5	0.0010	0.00017	mg/L				17.65%
Pb 220.353	13.3	0.0011	0.00056	mg/L				53.02%
Zn 206.191	2299.7	0.0346	0.00004	mg/L				0.12%

Mean Data ----------

ID: 529873S Seq. No.: 38 Sample No.: 23 A/S Pos: 31
le Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:14:42 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3896803.8	1.016	0.0055	mg/L				0.54%

l 308.215	35218.8	2.042	0.0055	mg/L	0.27%
a [illegible].887	24310312.5	205.0	1.96	mg/L	0.95%
i 502	4085.9	0.0505	0.00032	mg/L	0.62%
c [illegible].716	21208.4	0.1877	0.00081	mg/L	0.43%
u 324.754	63552.7	0.3153	0.00027	mg/L	0.09%
e 238.863	26898.5	1.202	0.0028	mg/L	0.24%
g 279.079	87272.5	5.442	0.0033	mg/L	0.06%
i 231.604	14132.9	0.4925	0.00057	mg/L	0.12%
b 220.353	2038.3	0.5149	0.00153	mg/L	0.30%
n 206.191	27277.0	0.5222	0.00198	mg/L	0.38%

ean Data
D: 529873L Seq. No.: 39 Sample No.: 24 A/S Pos: 32
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:18:50 PM

lement	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
371.030	3932988.7	1.026	0.0019	mg/L				0.19%
l 308.215	5799.2	0.0225	0.00072	mg/L				3.23%
a 315.887	5014410.0	42.29	0.019	mg/L				0.04%
d 226.502	-26.2	0.0000	0.00002	mg/L				988.26%
r 267.716	91.2	0.0003	0.00015	mg/L				44.05%
u 324.754	4338.6	0.0106	0.00009	mg/L				0.81%
e 238.863	1073.6	0.0524	0.00042	mg/L				0.80%
g 279.079	11474.8	0.7122	0.00134	mg/L				0.19%
i 231.604	-186.5	0.0000	0.00024	mg/L				815.81%
b 220.353	13.6	0.0011	0.00022	mg/L				19.87%
n 206.191	707.9	0.0035	0.00035	mg/L				9.95%

lean Data
D: 529877 Seq. No.: 40 Sample No.: 25 A/S Pos: 33
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:23:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3683787.6	0.961	0.0034	mg/L				0.35%
Al 308.215	6402.7	0.0639	0.00197	mg/L				3.09%
Ca 315.887	77644834.7	654.8	2.18	mg/L				0.33%
Cd 226.502	-33.0	-0.0001	0.00008	mg/L				92.05%
Cr 267.716	260.7	0.0018	0.00011	mg/L				5.97%
Cu 324.754	24931.7	0.1166	0.00032	mg/L				0.28%
Fe 238.863	20890.4	0.9344	0.00421	mg/L				0.45%
Mg 279.079	94119.0	5.870	0.0063	mg/L				0.11%
Ni 231.604	-107.8	0.0027	0.00026	mg/L				9.82%
Pb 220.353	15.0	0.0015	0.00039	mg/L				26.04%
Zn 206.191	4934.5	0.0860	0.00021	mg/L				0.24%

Mean Data
ID: 529881 Seq. No.: 41 Sample No.: 26 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:28:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3938240.2	1.027	0.0053	mg/L				0.52%
Al 308.215	7115.4	0.1128	0.00218	mg/L				1.94%
Ca 315.887	1575489.6	13.28	0.117	mg/L				0.88%
Cd 226.502	-20.5	0.0001	0.00001	mg/L				19.31%
Cr 267.716	116.2	0.0006	0.00002	mg/L				3.88%
Cu 324.754	2551.5	0.0014	0.00026	mg/L				18.43%
Fe 238.863	4932.2	0.2242	0.00083	mg/L				0.37%
Mg 279.079	48564.3	3.027	0.0006	mg/L				0.02%
Ni 231.604	-187.0	0.0000	0.00006	mg/L				119.78%
Pb 220.353	10.3	0.0003	0.00123	mg/L				423.38%
Z 06.191	577.9	0.0010	0.00011	mg/L				10.84%

Me Data
ID: 529884 Seq. No.: 42 Sample No.: 27 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:33:30 PM

	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
[illegible] 30	3945614.3	1.029	0.0087	mg/L				0.84%
[illegible].215	6140.8	0.0459	0.00605	mg/L				13.19%
a 315.887	1626829.4	13.72	0.014	mg/L				0.10%
d 226.502	-26.4	0.0000	0.00005	mg/L				>999.9%
r 267.716	118.7	0.0006	0.00001	mg/L				2.44%
u 324.754	2760.4	0.0025	0.00011	mg/L				4.32%
e 238.863	1482.4	0.0706	0.00038	mg/L				0.54%
g 279.079	50609.0	3.154	0.0051	mg/L				0.16%
i 231.604	-183.4	0.0001	0.00001	mg/L				14.41%
b 220.353	10.1	0.0002	0.00058	mg/L				251.53%
n 206.191	589.5	0.0012	0.00019	mg/L				15.97%

ean Data ----------

D: 529886 Seq. No.: 43 Sample No.: 28 A/S Pos: 36
ample Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:38:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
' 371.030	3821430.5	0.997	0.0031	mg/L				0.31%
l 308.215	5932.6	0.0316	0.00150	mg/L				4.76%
a 315.887	24164548.1	203.8	0.66	mg/L				0.32%
d 226.502	-28.4	0.0000	0.00001	mg/L				43.71%
r 267.716	135.6	0.0007	0.00003	mg/L				4.41%
u 324.754	8849.4	0.0338	0.00018	mg/L				0.54%
e 238.863	43.2	0.0066	0.00006	mg/L				0.90%
g 279.079	62510.0	3.897	0.0011	mg/L				0.03%
i 231.604	-169.3	0.0006	0.00004	mg/L				6.42%
b 220.353	13.0	0.0010	0.00003	mg/L				3.36%
n 206.191	1798.7	0.0248	0.00008	mg/L				0.32%

ean Data ----------

D: [illegible]9889 Seq. No.: 44 Sample No.: 29 A/S Pos: 37
Sa[illegible]e Qty: 1.0000 mL Prep. Vol.: 50.0 mL Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:43:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3582186.7	0.934	0.0022	mg/L				0.23%
Al 308.215	6207.1	0.0505	0.00053	mg/L				1.05%
Ca 315.887	78732520.9	664.0	2.92	mg/L				0.44%
Cd 226.502	-34.2	-0.0001	0.00005	mg/L				47.66%
Cr 267.716	177.2	0.0011	0.00009	mg/L				8.13%
Cu 324.754	9369.5	0.0365	0.00008	mg/L				0.22%
Fe 238.863	-69.9	0.0015	0.00000	mg/L				0.25%
Mg 279.079	100117.2	6.244	0.0051	mg/L				0.08%
Ni 231.604	-122.6	0.0022	0.00011	mg/L				4.90%
Pb 220.353	14.0	0.0012	0.00069	mg/L				56.17%
Zn 206.191	5005.7	0.0874	0.00007	mg/L				0.08%

Mean Data ----------

ID: 526767 1/5000 Seq. No.: 45 Sample No.: 30 A/S Pos: 38
Sample Qty: 1.0200 g Prep. Vol.: 100.0 mL Dilution: 1.0: 5000.0
Data: Original Date: 02/19/02 1:48:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3843303.9	1.002	0.0005	mg/L				0.05%
Al 308.215	5774.9	0.0208	0.00017	mg/L				0.82%
Ca 315.887	17947.9	0.1482	0.09399	mg/L				63.44%
Cd 226.502	-14.0	0.0002	0.00006	mg/L				41.57%
Cr 267.716	49.5	0.0000	0.00007	mg/L				217.90%
Cu 324.754	2101.3	-0.0009	0.00002	mg/L				2.51%
Fe 238.863	-113.5	-0.0004	0.00028	mg/L				69.76%
M[illegible]79.079	-102.2	-0.0102	0.00037	mg/L				3.66%
[illegible]31.604	-199.5	-0.0005	0.00007	mg/L				15.68%
Pb 220.353	109.8	0.0256	0.00078	mg/L				3.05%
Zn 206.191	78139.7	1.515	0.0035	mg/L				0.23%

Mean Data ----------

ID: CCV Seq. No.: 46 Sample No.: 2 A/S Pos: 3

Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:52:32 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3802164.4	0.992	0.0019	mg/L				0.19%
Al 308.215	146960.5	9.713	0.0168	mg/L				0.17%
Ca 315.887	3006117.6	25.35	0.010	mg/L				0.04%
Cd 226.502	42523.9	0.5227	0.00262	mg/L				0.50%
Cr 267.716	55943.5	0.4958	0.00032	mg/L				0.06%
Cu 324.754	245754.2	1.253	0.0009	mg/L				0.07%
Fe 238.863	112303.7	5.003	0.0102	mg/L				0.20%
Mg 279.079	400668.4	25.00	0.001	mg/L				0.00%
Ni 231.604	60164.9	2.076	0.0128	mg/L				0.62%
Pb 220.353	2093.5	0.5289	0.00248	mg/L				0.47%
Zn 206.191	53841.7	1.041	0.0057	mg/L				0.55%

Mean Data
ID: CCB Seq. No.: 47 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 1:56:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3801844.3	0.992	0.0069	mg/L				0.70%
Al 308.215	5749.6	0.0191	0.00041	mg/L				2.14%
Ca 315.887	125.3	-0.0022	0.00184	mg/L				85.68%
Cd 226.502	-21.7	0.0001	0.00003	mg/L				43.16%
Cr 267.716	88.2	0.0003	0.00003	mg/L				9.56%
Cu 324.754	2942.9	0.0034	0.00046	mg/L				13.30%
Fe 238.863	-118.8	-0.0006	0.00090	mg/L				140.18%
Mg 279.079	5.2	-0.0035	0.00199	mg/L				56.45%
Ni 231.604	-191.7	-0.0002	0.00024	mg/L				115.12%
Pb 220.353	12.5	0.0008	0.00004	mg/L				5.15%
Zn 206.191	443.1	-0.0017	0.00048	mg/L				29.10%

Data
ID: 526767L 1/5000 Seq. No.: 48 Sample No.: 31 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 100.0 mL Dilution: 1.0: 5000.0
Data: Original Date: 02/19/02 2:01:07 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3904285.7	1.018	0.0012	mg/L				0.12%
Al 308.215	5689.7	0.0149	0.00288	mg/L				19.28%
Ca 315.887	-126.1	-0.0043	0.01234	mg/L				289.00%
Cd 226.502	-24.3	0.0000	0.00005	mg/L				208.44%
Cr 267.716	50.3	0.0000	0.00002	mg/L				103.26%
Cu 324.754	2069.9	-0.0011	0.00003	mg/L				2.38%
Fe 238.863	-163.7	-0.0026	0.00030	mg/L				11.25%
Mg 279.079	-106.8	-0.0105	0.00061	mg/L				5.77%
Ni 231.604	-189.0	-0.0001	0.00029	mg/L				253.70%
Pb 220.353	29.7	0.0052	0.00012	mg/L				2.29%
Zn 206.191	15491.8	0.2921	0.00044	mg/L				0.15%

Mean Data
ID: CRI Seq. No.: 49 Sample No.: 5 A/S Pos: 6
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 2:05:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3861286.2	1.007	0.0018	mg/L				0.18%
Al 308.215	5658.5	0.0128	0.00072	mg/L				5.62%
Ca 315.887	2754.2	0.0200	0.00063	mg/L				3.13%
Cd 226.502	843.1	0.0107	0.00008	mg/L				0.77%
Cr 267.716	2273.5	0.0197	0.00007	mg/L				0.36%
Cu 324.754	11463.4	0.0473	0.00031	mg/L				0.66%
Fe 238.863	-146.9	-0.0019	0.00015	mg/L				7.77%
Mg 279.079	-43.6	-0.0066	0.00044	mg/L				6.65%
Ni 231.604	2265.7	0.0843	0.00062	mg/L				0.73%
Pb 220.353	36.9	0.0070	0.00123	mg/L				17.42%
Zn 206.191	2505.1	0.0386	0.00012	mg/L				0.31%

Mean Data

ID: ICSA Seq. No.: 50 Sample No.: 6 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 2:10:15 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3407497.2	0.889	0.0001	mg/L				0.01%
Al 308.215	7523388.4	516.1	0.05	mg/L				0.01%
Ca 315.887	56982896.5	480.6	0.09	mg/L				0.02%
Cd 226.502	1488.0	0.0077	0.00018	mg/L				2.29%
Cr 267.716	903.2	0.0075	0.00049	mg/L				6.51%
Cu 324.754	396.0	0.0016	0.00043	mg/L				27.98%
Fe 238.863	4125225.5	183.6	0.05	mg/L				0.03%
Mg 279.079	8447267.7	527.1	0.10	mg/L				0.02%
Ni 231.604	-226.2	-0.0014	0.00043	mg/L				31.19%
Pb 220.353	-171.8	-0.0075	0.00132	mg/L				17.53%
Zn 206.191	1429.4	0.0033	0.00098	mg/L				29.67%

Mean Data

ID: ICSAB Seq. No.: 51 Sample No.: 7 A/S Pos: 8
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 2:14:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3419260.9	0.892	0.0100	mg/L				1.12%
Al 308.215	7504563.0	514.8	0.33	mg/L				0.06%
Ca 315.887	56966620.3	480.4	7.43	mg/L				1.55%
Cd 226.502	81642.4	0.9924	0.00784	mg/L				0.79%
Cr 267.716	55009.7	0.4875	0.00483	mg/L				0.99%
Cu 324.754	107040.6	0.5504	0.00321	mg/L				0.58%
Fe 238.863	4133152.4	184.0	0.22	mg/L				0.12%
Mg 279.079	8442203.6	526.8	8.19	mg/L				1.55%
Ni 231.604	27476.7	0.9515	0.00941	mg/L				0.99%
Pb 220.353	3883.3	1.021	0.0077	mg/L				0.75%
Zn 206.191	50702.4	0.9653	0.00694	mg/L				0.72%

Mean Data

ID: CCV Seq. No.: 52 Sample No.: 2 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 2:17:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3778313.7	0.985	0.0050	mg/L				0.51%
Al 308.215	149209.2	9.868	0.0489	mg/L				0.50%
Ca 315.887	3023350.5	25.49	0.022	mg/L				0.08%
Cd 226.502	42500.5	0.5224	0.00241	mg/L				0.46%
Cr 267.716	55833.9	0.4949	0.00005	mg/L				0.01%
Cu 324.754	247381.0	1.261	0.0018	mg/L				0.14%
Fe 238.863	116113.1	5.173	0.0347	mg/L				0.67%
Mg 279.079	404137.0	25.22	0.002	mg/L				0.01%
Ni 231.604	60179.7	2.076	0.0097	mg/L				0.47%
Pb 220.353	2081.3	0.5258	0.00281	mg/L				0.53%
Zn 206.191	53647.2	1.037	0.0048	mg/L				0.46%

Mean Data

ID: CCB Seq. No.: 53 Sample No.: 4 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 02/19/02 2:21:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Y 371.030	3761759.8	0.981	0.0006	mg/L				0.06%
Al 308.215	5939.5	0.0321	0.00639	mg/L				19.92%
Ca 315.887	2061.6	0.0142	0.01179	mg/L				83.15%
Cd 226.502	-14.6	0.0001	0.00010	mg/L				68.96%
Cr 267.716	112.4	0.0005	0.00018	mg/L				33.77%
Cu 324.754	3079.9	0.0041	0.00067	mg/L				16.23%
Fe 238.863	447.2	0.0245	0.00336	mg/L				13.70%
Mg 279.079	3114.2	0.1905	0.01681	mg/L				8.83%

Ni	231.604	-185.3	0.0000	0.00017 mg/L	>999.9%
Pb	220.353	14.2	0.0013	0.00005 mg/L	4.04%
Z	5.191	384.8	-0.0028	0.00028 mg/L	10.14%

CAS-Rochester ICP Soil Digest Log

alyst: JM Date: 1/30/02 Spike Witness: SD Approval: CV

Method: SW846 3050 // CLP Digest: Initial Digestion // Redigestion of _____

Report: Routine // ASP // Pkg.5 6010B/846 // 200.7/136 // ASP/CLP

	Client/ Order #	Initial wgt(g)	Final vol(ml)	Initial Color/Clarity	Final Color/Clarity	Metals	Spike vol(ml)
1	PBS	1.00	100	colorless/clear	colorless/clear	~~AAS.~~ ~~Pb,~~ ~~Se,~~ Ag, Ba, Cd, Cr, Mn, Zn	
2	LCSS	1.01		brown/fine	yellow/clear		#246
3	R10459 526757	1.02		brown/medium			
4	760	1.05					
5	763	1.03					
6	765	1.02					
7	767	1.02					
8	769	1.05					
9	771	1.01					
10	773	1.03					
11	774	1.03					
12	775	1.01					
13	776	1.03					
14	777	1.01					
15	778	1.02					
16	779	1.04					
17	780	1.02					
18	781	1.00					
19	782	1.01					
20	783	1.00					
21	784	1.09					
22	788	1.03					
23	788D	1.00					
24	788S	1.02					H2O 1 spk A B Be 10 1 Se
25				JM 1/30/02			
26							

Spiking Standards Lot # or Prep Date:

Spike A,B M1780029E Spike #4 — Se M1780029Q Sn — Ba — TCLP —

Reagent Lot #:

LCSS M1780029X HNO3 M1780031I HCL M1780031J H2O2 M1780020R

Comments/Problems: HOT Block

M2530070

CAS-Rochester ICP Soil Digest Log

Analyst: JM Date: 2/4/02 Spike Witness: CK Approval: CK

Method: (SW846 3050) // CLP Digest: (Initial Digestion) // Redigestion of _____

Report: Routine // ASP // (Pkg.5) (6010B/846) // 200.7/136 // ASP/CLP

	Client/ Order #	Initial wgt(g)	Final vol(ml)	Initial Color/Clarity	Final Color/Clarity	Metals	Spike vol(ml)
1	PBS	1.00	100	colorless/clear	colorless/clear	2As, 2Pb, 2Se, Ag, Ba, Cd, Cr, Mn, Zn	
2	LCSS	1.02		brown/fine	yellow/clear		#246
3	R10459 526785	1.00		brown/medium			
4	786	1.00					
5	787	1.04					
6	789	1.03					
7	790	1.02					
8	791	1.05					
9	792	1.04					
10	793	1.04					
11	794	1.00					
	795	1.00					
13	796	1.00					
14	797	1.02					
15	798	1.00					
16	799	1.02					
17	800	1.00					
18	801	1.05					
19	802	1.02					
20	804	1.01					
21	805	1.02					
22	809	1.04					
23	809D	1.01					
24	809S	1.02					0.1ml Se 1ml spk A,B
25			JM	2/4/02			
26							

Spiking Standards Lot # or Prep Date:

Spike A,B M1780032E Spike #4 — Se M1780059Q Sn — Ba — TCLP —

Reagent Lot #:

LCSS M1780029X HNO3 M1780031I HCL M1780031J H2O2 M1780020R

Comments/Problems: M2530071

CAS-Rochester ICP Soil Digest Log

A st: YM Date: 2/4/02 Spike Witness: CK Approval: CK

Method: (SW846 3050 /) CLP Digest: (Initial Digestion) // Redigestion of _____

Report: (Routine) // ASP // (Pkg.5) (6010B/846) // 200.7/136 // ASP/CLP

	Client/ Order #	Initial wgt(g)	Final vol(ml)	Initial Color/Clarity	Final Color/Clarity	Metals	Spike vol(ml)
1	PBS	1.00	100	colorless/clear	colorless/clear	2As, 2Pb, 2Se, 2Tl, Ag, Ba, Be, Cd, Cr, Mn, Ni, Sb, Zn	
2	LCSS	1.01		brown/fine	yellow/clear	↓	#246
3	R10459 526807	1.00		brown/medium		2As, 2Pb, 2Se, Ag, Ba, Cd, Cr, Mo, Zn	
4	811	1.02					
5	812	1.00					
6	813	1.04					
7	814	1.00					
8	815	1.01					
9	816	1.04					
10	R10427 526394	1.01		green/medium			
11	394D	1.05					
	394S	1.01					1ml Spk A,B 0.10ml Se
13	R10434 526855	1.00		brown/medium		2As, 2Se, 2Tl, Ag, Ba, Be, Cd, Cr, Ni, Pb, Sb, Zn	
14	527030	1.00				↓	
15	R10478 527356	1.00				Pb	
16	357	1.05					
17	358	1.03					
18	359	1.00					
19							
20							
21							
22							
23							
24							
25							
26							

2/4/02

Spiking Standards Lot # or Prep Date:

Spike A,B M1780032D,E Spike #4 — Se M1780029Q Sn — Ba — TCLP —

Reagent Lot #:

LCSS M1780029X HNO3 M1780031I HCL M1780031J H2O2 M1780020R

Comments/Problems: M2530072

PKG 5 = R10459, R10427 GE= R10434

CAS-Rochester ICP Soil Digest Log

Analyst: JM Date: 2/8/02 Spike Witness: DCS Approval: CK

Method: (SW846 3050) // CLP Digest: Initial Digestion // (Redigestion) of M2530075

Report: (Routine) // ASP // (Pkg.5) (6010B/846) // 200.7/136 // ASP/CLP

	Client/ Order #	Initial wgt(g)	Final vol(ml)	Initial Color/Clarity	Final Color/Clarity	Metals	Spike vol(ml)
1	PBS	1.00	100	colorless/clear	colorless/clear	Ag	
2	LCSS	1.05		brown/fine	yellow/clear		
3	R10459 526807	1.02		brown/medium			
4	811	1.03					
5	812	1.02					
6	813	1.00					
7	814	1.00					
8	815	1.03					
9	816	1.02					
10	R10427 526394	1.02		green/medium			
11	394D	1.01					
	394S	1.04					0.1ml Se 1.0ml Se A,B
13	R10434 526855	1.02		brown/medium			
14	527030	1.02					
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

JM 2/8/02

Spiking Standards Lot # or Prep Date:

Spike A,B M1780032DE Spike #4 — Se M1780029D Sn — Ba — TCLP —

Reagent Lot #:

LCSS M1780032M HNO3 M1780031I HCL M1780031J H2O2 M1780020R

Comments/Problems: M2530077

Hot Plate (PKGS = R10459, R10427) (GE = R10434) 77

Columbia Analytical Services

Analysis For: Hg | EPA Method: 7470 (7471) 245.1 / 245.5 | Analyst: DCB

Temp: In 95 / Out 95 | Report: Routine / ASP (Pkg.5) | Date Prepped: 2/5/02

Time In: 1410 | File Name: Feb-06 | Date Analyzed: 2/6/02

Time Out: 1440

	Client / Submission #	Sample Number	Initial Wgt/Volume (g/ml)	Final Volume (ml)		Client / Submission #	Sample Number	Initial Wgt/Volume (g/ml)	Final Volume (ml)
1		PBT H	0.60	100	31	R-10454	526785	0.61	100
2		LCST A	0.60		32		786	0.63	
3	R-10427	526404	0.64		33		787	0.61	
4		404 Dup	0.64		34		788	0.65	
5		404 SPK	0.62		35		788 Dup	0.64	
6		PBS B	0.60		36		788 SPK	0.65	
7		LCSS B	0.62		37		789	0.60	
8	R-10454	526757	0.62		38		790	0.61	
9		757 Dup	0.60		39		791	0.60	
10		757 SPK	0.62		40		792	0.60	
11		760	0.61		41				
12		763	0.68		42				
13		765	0.67		43				
14		767	0.74		44				
15		769	0.63		45		2/6/02		
16		771	0.62		46		DCB		
17		PBS C	0.60		47				
18		LCSS C	0.62		48				
19		526773	0.60		49				
20		774	0.65				ICB	100ml DI Water	100
21		775	0.62				Std 0	100ml DI Water	100
22		776	0.62				Std 0.2*	0.20ml of 0.1ppm	100
23		777	0.64				Std 0.5*	0.50ml of 0.1ppm	100
24		778	0.63				Std 1.0*	1.00ml of 0.1ppm	100
25		779	0.61				Std 2.0*	2.00ml of 0.1ppm	100
26		780	0.63				Std 5.0*	5.00ml of 0.1ppm	100
27		781	0.61				Std 10.0*	10.0ml of 0.1ppm	100
28		782	0.61				ICV/CCV**	3.00ml of 0.1ppm	100
29		783	0.60				LCSW/MS**	1.00ml of 0.1ppm	100
30		784	0.61				CRDL*	0.20ml of 0.1ppm	100

Lot # of Reagents Used:

HNO3: M1780031I | H2SO4: — | HCL: M1780031J | K2S2O8: — | KMnO4: M1780030P

SnCl2: M1780031Q | NaCl: M1780030K | NH2OH-HCL: M1780030E | LCSS CAS Lot#: M1780029W

LCSS ERA Lot#: 246

*Source Standard: (Vendor/Lot #) M1780030N | **ICV Standard: (Vendor/Lot #) M2780026F

*(10ppm stock Lot#: M2650177A) | **(10ppm stock Lot#: M2650217A)

*(0.1ppm working std Lot#: M2650177C) | **(0.1ppm working std Lot#: M2650217C)

Comments/Problems:

Batch Name: M2480131A | M2480131B | M2480131C

41831

Columbia Analytical Services

Analysis For: Hg | EPA Method: 7470 / 7471 / 245.1 / 245.5 | Analyst: DCB

Bath Temp: In 95 / Out 95 | Report: Routine / ASP / Pkg.5 | Date Prepped: 2/7/02

Time In: 1440 | File Name: Feb-085 Feb-0852 | Date Analyzed: 2/8/02

Time Out: 1510

	Client / Submission #	Sample Number	Initial Wgt/Volume (g/ml)	Final Volume (ml)		Client / Submission #	Sample Number	Initial Wgt/Volume (g/ml)	Final Volume (ml)
1		PBS A	0.60	100	31	R-10552	528681	0.61	100
2		LCSS A	0.62		32		682	0.64	
3	R-10459	526793	0.61		33		683	0.65	
4		794	0.66		34		684	0.67	
5		795	0.61		35		685	0.67	
6		796	0.62		36		685Dup	0.60	
7		797	0.63		37		685SPK	0.65	
8		798	0.61		38				
9		799	0.64		39				
10		800	0.64		40				
11		801	0.67		41				
12		802	0.62		42				
13		804	0.63		43				
14		805	0.60		44		2/7/02 DCB		
15		807	0.63		45				
		809	0.61		46				
		809Dup	0.61		47				
18		809SPK	0.61		48				
19		811	0.60		49				
20		812	0.64				ICB	100ml DI Water	100
21		813	0.62				Std 0	100ml DI Water	100
22		814	0.62				Std 0.2*	0.20ml of 0.1ppm	100
23		815	0.67				Std 0.5*	0.50ml of 0.1ppm	100
24		816	0.61				Std 1.0*	1.00ml of 0.1ppm	100
25		PBS B	0.60				Std 2.0*	2.00ml of 0.1ppm	100
26		LCSS B	0.61				Std 5.0*	5.00ml of 0.1ppm	100
27	R-10552	528677	0.64				Std 10.0*	10.0ml of 0.1ppm	100
28		678	0.61				ICV/CCV**	3.00ml of 0.1ppm	100
29		679	0.62				LCSW/MS**	1.00ml of 0.1ppm	100
30		680	0.61				CRDL*	0.20ml of 0.1ppm	100

Lot # of Reagents Used:

HNO3: M1780031I | H2SO4: — | HCL: M1780031J | K2S2O8: — | KMnO4: M178030P

SnCl2: M1780031Q | NaCl: M1780030R | NH2OH-HCL: M178 00130E | LCSS CAS Lot#: M1780029X

LCSS ERA Lot#: 246

*Source Standard: (Vendor/Lot #) M1780030N | **ICV Standard: (Vendor/Lot #) M1780026F

*(10ppm stock Lot#: M2650177A) | **(10ppm stock Lot#: M2650217A)

*(0.1ppm working std Lot#: M2650177D) | **(0.1ppm working std Lot#: M2650217D)

Comments/Problems: M2480132A = Feb-085 M2480132B = Feb-0852

Batch Name: M2480132A M2480132B

TIMA CALIBRATION STANDARD (Standard is prepared daily.)

	Element	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Pipet ID
l Std 1	CA	M1780031W	5000	2.00	200	50.0	2%HNO3	SD 2/4/02	A	M1780031I	M1780031J	M18
	MG		5000			50.0	5%HCl	SD 2/5/02	* B			M18
	K		5000			50.0	*6% HNO_3		C			
	NA		5000			50.0	15% HCl	DCB 2/6/02	D	M1780031I	M1780031J	M18
l Std 2	AG	M1780032M	100	2.00		1.00		SD 2/7/02	* E			M18
	CR		100			1.00			F			
	MN		150			1.50		DCB 2/8/02	G	M1780031I	M1780031J	M18
	NI		400			4.00			H			
	ZN		200			2.00			I			
al Std 3	AL	M17800 32K	2000	2.00		20.0			J			
	BA		2000			20.0			K			
	BE		50			0.500			L			
	CO		500			5.00			M			
	CU		250			2.50			N			
	FE		1000			10.0			O			
	V		500			5.00			P			
Cal Std 4	AS	M17800 32J	100	4.00		2.00			Q			
	CD		50			1.00			R			
	PB		50			1.00			S			
	SE		50			1.00			T			
	TL		100			2.00			U			
Single	SB	M17800 29J	1000	2.00		10.0			V			
Elements	SN	30J	1000	2.00		10.0			W			
	B	28E	1000	1.00		5.00			X			
	MO	25N	1000	1.00		5.00			Y			
	TI	29H	1000	1.00		5.00			Z			

420

MA CALIBRATION STANDARD (Standard is prepared daily.)

	Element	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Pipet ID
Std 1	CA	M1780031W	5000	2.00	200	50.0	2%HNO3	SD 2/10/02	A	M1780031L	M1780031J	M18
	MG		5000			50.0	5%HCl	SD 2/11/02	B	1	1	1
	K		5000			50.0		SD 2/12/02	C	1	1	M18
	NA		5000			50.0		SD 2/13/02	D	1	1	M18
Std 2	AG	M1780031M	100	2.00		1.00		SD 2/14/02	E	1	1	M18
	CR		100			1.00		SD 2/19/02	F	1	1	M18
	MN		150			1.50			G			
	NI		400			4.00			H			
	ZN		200			2.00			I			
Std 3	AL	M1780032K	2000	2.00		20.0			J			
	BA		2000			20.0			K			
	BE		50			0.500			L			
	CO		500			5.00			M			
	CU		250			2.50			N			
	FE		1000			10.0		SD	O			
	V		500			5.00			P			
l Std 4	AS	M1780032J	100	4.00		2.00			Q			
	CD		50			1.00			R			
	PB		50			1.00			S			
	SE		50			1.00			T			
	TL		100			2.00			U			
ingle	SB	M1780032P	1000	2.00		10.0			V			
ements	SN	~~32J~~ 32F	1000	2.00		10.0			W			
	B	28E	1000	1.00		5.00			X			
	MO	25N	1000	1.00		5.00			Y			
	TI	29H	1000	1.00		5.00			Z			

SD 2/10/02

4211

TIMA ICV/CCV STANDARD (Standard is prepared daily.)

	Element	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Pipet ID
Cal Std 1	CA	M1780031F	5000	1.00	200	25.0	2%HNO3	SD 2/5/02	*A	M17800311	M1780031J	M18/M10
	MG		5000			25.0	5%HCl	SD 2/5/02	B	"	"	"
	K		5000			25.0	*12% HNO_3	DCS 2/6/02	C	M1780031E	M1780031J	M18/M10
	NA		5000			25.0	15% HCl	SD 2/7/02	*D	"	"	M18/M10
Cal Std 2	AG	M1780029Y	100	1.00		0.500		"	E	"	"	"
	CR		100			0.500		DCS 2/8/02	F	M1780031I	M1780031J	M18/M10
	MN		150			0.750			G			
	NI		400			2.00			H			
	ZN		200			1.00			I			
Cal Std 3	AL	M1780031H	2000	1.00		10.0			J			
	BA		2000			10.0			K			
	BE		50			0.250			L			
	CO		500			2.50			M			
	CU		250			1.25			N			
	FE		1000			5.00			O			
	V		500			2.50			P			
Cal Std 4	AS	M1780031B	100	2.00		1.00			Q			
	CD		50			0.500			R			
	PB		50			0.500			S			
	SE		50			0.500			T			
	TL		100			1.00			U			
Single Elements	SB	M1780030H	1000	1.00		5.00			V			
	SN	M1780031V	1000	1.00		5.00			W			
	B	M1780031P	1000	0.500		2.50			X			
	MO	M1780029C	1000	0.500		2.50			Y			
	TI	M1780027H	1000	0.500		2.50			Z			

422

MA ICV/CCV STANDARD (Standard is prepared daily.)

	Element	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	Letter ID	Nitric Acid Lot#	Hydrochloric Acid Lot #	Pipet ID
Std 1	CA	M17800316	5000	1.00	200	25.0	2%HNO3	SD 2/10/02	A	M17800311	M17800311	M18/M10
	MG		5000			25.0	5%HCl	SD 2/11/02	B	1	1	M18/M10
	K		5000			25.0		SD 2/12/02	C	1	1	M18/M10
	NA		5000			25.0		SD 2/13/02	D	1	1	M18/M10
Std 2	AG	M17800294	100	1.00		0.500		SD 2/14/02	E	1	1	M18/M10
	CR		100			0.500		SD 2/15/02	F	1	1	M18/M10
	MN		150			0.750		SD 2/20/02	G	1	1	M18/M10
	NI		400			2.00		SI	H			
	ZN		200			1.00			I			
Std 3	AL	M17800314	2000	1.00		10.0			J			
	BA		2000			10.0			K			
	BE		50			0.250			L			
	CO		500			2.50			M			
	CU		250			1.25			N			
	FE		1000			5.00			O			
	V		500			2.50			P			
l Std 4	AS	M17800316	100	2.00		1.00			Q			
	CD		50			0.500			R			
	PB		50			0.500			S			
	SE		50			0.500			T			
	TL		100			1.00			U			
ingle	SB	MM800 30H	1000	1.00		5.00			V			
ements	SN	31V	1000	1.00		5.00			W			
	B	31P	1000	0.500		2.50			X			
	MO	27C	1000	0.500		2.50			Y			
	TI	27H	1000	0.500		2.50			Z			

423

OPTIMA CRI STANDARD

ıent	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot #	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
DL TD	M17800260	Multi	0.500	500	Multi	5% HCL 2%HNO3	SD 11/26/01	A	M1780028N	M1780030A	5/26/02	M10
G		20			0.0200		SD 12/4/01	B	"	"	6/4/02	M10
S		20			0.0200		SD 12/12/01	C	M1780029E	M1780030A	6/12/02	M10
E		10			0.0100		SD 12/19/01	D	"	M1780031J	6/19/02	M10
D		10			0.0100		SD 1/2/02	E	"	"	7/2/02	M10
R		20			0.0200		SD 1/9/02	F	"	"	7/9/02	M10
O		100			0.100		SD 1/16/02	G	M17800311	"	7/16/02	M10
U		50			0.0500		SD 1/24/02	H	"	"	7/24/02	M10
IN		30			0.0300		SD 2/4/02	I	"	"	8/4/02	M10
NI		80			0.0800		SD 2/10/02	J	"	"	8/10/02	M10
PB		6			0.00600		SD 2/20/02	K	"	"	8/20/02	M10
SB		120			0.120			L				
SE		10			0.0100			M				
TL		20			0.0200			N				
V		100			0.100			O				
ZN		40			0.0400			P				
								Q				

ICSA / ICSAB STANDAF

ICSA

ient	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot #	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
Sol'n	M1780032 I	Multi	100	1000	Multi	5% HCL	SD 1/11/02	A	M1780029E	M1780031J	7/11/02	—
L		5000			500	2%HNO3	SD 1/28/02	B	M1780031 I	"	7/28/02	—
A		5000			500		SD 2/10/02	C	"	"	8/10/02	—
E		2000			200			D				
IG		5000			500			E				

ICSAB

A Sol'n	M1780031E	Multi	100	1000	Multi	SD 12/26/01	AA	M1780029E	M1780031J	6/26/02	M+
AL		5000			500	SD 1/11/02	BB	"	"	7/11/02	—
CA		5000			500	SD 1/28/02	CC	M1780031 I	"	7/28/02	—
FE		2000			200	SD 2/14/02	DD	"	"	8/19/02	—
MG		5000			500		EE				
B Sol'n	M1780028J	Multi	10.0		Multi		FF				
AG		100			1.00		GG				
BA		50			0.500		HH				
BE		50			0.500		II				
CD		100			1.00		JJ				
CO		50			0.500		KK				
CR		50			0.500		LL				
CU		50			0.500		MM				
MN		50			0.500		NN				
NI		100			1.00		OO				
PB		100			1.00		PP				
V		50			0.500		QQ				
ZN		100			1.00		RR				
							SS				
							TT				
							UU				

425

OPTIMA INTERNAL STANDARD

ent	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot #	Hydrochloric Acid Lot #	Expiration Date	Pipet ID
	M1780029N	1000	50.0	500	100	2% HNO3	SD 10/22/01	A	M1780028N	M1780029V	4/22/02	—
s	M17800290	1000	50.0	500	100	5% HCL	SD 11/7/01	B	〃	M1780030A	5/7/02	-
							SD 11/26/01	C	〃	〃	5/26/02	—
							SD 12/12/01	D	M1780029E	M1780030A	6/12/02	—
							SD 12/28/01	E	〃	M1780031J	6/28/02	—
							SD 1/16/02	F	M17800311	〃	7/16/02	-
							SD 2/4/02	G	〃	〃	8/4/02	-
								H				
								I				
								J				
								K				
								L				
								M				
								N				
								O				
								P				
								Q				
								R				
								S				

426

MERCURY CALIBRATION / CRDL STANDARDS

Standard	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Expiration Date	Nitric Acid Lot#	Pipet ID
Hg Cal Stk A	M1780030N	1000	1.00	100	10.0	0.5% HNO3	DCB 2/4/02	A	2/10/02	M1780031S	MY

(PREPARED DAILY)

Standard	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot#	Pipet ID
Hg Cal Stk B	Hg Cal Stk A	10.0	1.00	100	0.100	0.5% HNO3	DCB 2/4/02	B	M1780031S 2/4/02	MY
							DCB 2/5/02	C	2/4/02 DCB M1780031E	MY
							DCB 2/7/02	D	M1780031F	MY
								E		
								F		
								G		
								H		

(PREPARED WITH EACH RUN)

Calibration Standards (ppb)	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppb)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot#	Pipet ID
0.200	Hg Cal Stk B	0.100	0.200	100	0.200	0.5% HNO3	DCB 2/4/02	I	M1780031S	—
0.500			0.500		0.500		DCB 2/5/02	J	M1780031E	—
1.00			1.00		1.00		DCB 2/7/02	K	M1780031F	—
2.00			2.00		2.00			L		
5.00			5.00		5.00			M		
10.0			10.0		10.0			N		
CRA			0.200		0.200			O		

MERCURY CCV / LCSW /MS STANDARDS

Standard	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Expiration Date	Nitric Acid Lot#	Pipet ID
Hg CCV Stk A	M178026F	1000	1.00	100	10.0	0.5% HNO3	DCB 2/1/02	A	2/10/02	M178031F	mf

(PREPARED DAILY)

Standard	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppm)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot#	Pipet ID
Hg CCV Stk B	Hg CCV Stk A	10.0	1.00	100	0.100	0.5% HNO3	DCB 2/4/02	B	M178031F	mf
							DCB 2/5/02	C	M178031F	mf
							DCB 2/7/02	D	M178031F	mf
								E		
								F		
								G		
								H		

(PREPARED WITH EACH RUN)

CCV Standard (ppb)	CAS Lot #	Conc. (ppm)	Vol. (mls)	Final Vol. (mls)	Final Conc. (ppb)	Matrix	Analyst/ Date	ID Letter	Nitric Acid Lot#	Pipet ID
3.00	Hg CCV Stk B	0.100	3.00	100	3.00	0.5% HNO3	DCB 2/4/02	I	M178031F	—
LCSW / MS			1.00		1.00		DCB 2/5/02	J	M178031F	—
							DCB 2/7/02	K	M178031F	—
								L		
								M		
								N		
								O		

WET CHEM DATA

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : BA-S-2-2/6

Date Sampled : 01/19/02 08:21 Order #: 526757 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	81.9	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : B9-S-4-0/2

Date Sampled : 01/18/02 15:04 Order #: 526760 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	90.8	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : GBS-S-4-0/2

Date Sampled : 01/22/02 12:40 Order #: 526763 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	98.2	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : GBS-S-4-2/6

Date Sampled : 01/22/02 07:37 Order #: 526765 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	98.4	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : HWSC-S-1-2/4

Date Sampled : 01/18/02 16:24 Order #: 526769 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	84.4	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : HWSC-S-4-2/4

Date Sampled : 01/18/02 17:10 Order #: 526771 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	87.2	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : HWSC-S-6-0/2

Date Sampled : 01/18/02 17:35 Order #: 526773 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	84.6	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : HWSC-S-7-2/4

Date Sampled : 01/18/02 17:54 Order #: 526774 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	85.8	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : HWSA-S-2-2/4

Date Sampled : 01/17/02 14:45 Order #: 526775 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	81.1	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : HWSB-S-2-0/2

Date Sampled : 01/17/02 15:54 Order #: 526776 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	89.8	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : HWSD-S-B4-0/2

Date Sampled : 01/17/02 11:15 Order #: 526777 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	87.1	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OSEDS-S-A2-0/2

Date Sampled : 01/16/02 15:17 Order #: 526778 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	84.3	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OSEDS-S-A14-0/2

Date Sampled : 01/16/02 17:45 Order #: 526779 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	84.8	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OSEDS-S-B4-0/2

Date Sampled : 01/16/02 19:30 Order #: 526780 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	89.6	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OSEDS-S-B4-2/4

Date Sampled : 01/17/02 08:34 Order #: 526781 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	89.4	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OSEDS-S-C1-0/2

Date Sampled : 01/17/02 09:40 Order #: 526782 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	89.6	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OSEDS-S-C2-0/2

Date Sampled : 01/17/02 09:52 Order #: 526783 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	87.7	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OSEDS-S-C3-2/4

Date Sampled : 01/17/02 10:16 **Order #:** 526784 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	85.4	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OS-S-4-0/2

Date Sampled : 01/21/02 15:40 Order #: 526785 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	88.5	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OS-S-4-2/6

Date Sampled : 01/22/02 07:50 **Order #:** 526786 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	88.6	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OS-S-4-6/10

Date Sampled : 01/22/02 08:45 Order #: 526787 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	90.5	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OS-S-4-10/14

Date Sampled : 01/22/02 07:55 Order #: 526788 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	94.6	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : RPS-S-A2-0/2

Date Sampled : 01/17/02 11:42 Order #: 526789 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	91.1	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : RPS-S-C2-0/2-FD

Date Sampled : 01/17/02 13:46 **Order #:** 526790 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	84.5	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : RPS-S-C2-0/2

Date Sampled : 01/17/02 13:46 Order #: 526791 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	84.9	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OS-S-01-0/2

Date Sampled : 01/21/02 10:30 Order #: 526792 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	87.2	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OS-S-1-2/6

Date Sampled : 01/22/02 07:45 **Order #:** 526793 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	92.1	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OS-S-1-6/10

Date Sampled : 01/22/02 08:40 Order #: 526794 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	95.7	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : OS-S-1-10/14

Date Sampled : 01/22/02 09:00 Order #: 526795 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	94.7	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SA-S-B3-2/4

Date Sampled : 01/16/02 16:55 **Order #:** 526796 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	80.7	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SA-S-B3-2/4-FD

Date Sampled : 01/16/02 16:55 **Order #:** 526797 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	80.6	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SA-S-D1-0/2

Date Sampled : 01/16/02 18:03 **Order #:** 526798 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	89.3	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SAP-S-1-0/2

Date Sampled : 01/19/02 11:25 **Order #:** 526799 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	83.3	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SAP-S-4-0/2

Date Sampled : 01/20/02 13:05 Order #: 526800 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	91.5	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SI-S-2-0/2

Date Sampled : 01/20/02 10:54 **Order #:** 526801 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	84.3	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SI-S-2-2/6

Date Sampled : 01/21/02 16:16 **Order #:** 526802 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	90.5	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SI-S-2-2/6-FD

Date Sampled : 01/21/02 16:16 Order #: 526804 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	90.6	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SI-S-5-0/2

Date Sampled : 01/21/02 17:15 **Order #:** 526805 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	88.5	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SMP-S-1-0/2

Date Sampled : 01/18/02 10:48 **Order #:** 526807 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	88.1	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SMP-S-3-0/2

Date Sampled : 01/18/02 10:07 **Order #:** 526809 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	88.5	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SMP-S-6-0/2

Date Sampled : 01/18/02 09:18 **Order #:** 526811 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	87.5	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SR-S-2-0/2

Date Sampled : 01/19/02 07:40 **Order #:** 526812 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	82.8	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SR-S-3-2/6

Date Sampled : 01/19/02 09:20 Order #: 526813 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	82.8	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SR-S-3-2/6-FD

Date Sampled : 01/19/02 09:20 Order #: 526814 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	82.9	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SWD-S-1-0/2

Date Sampled : 01/17/02 16:20 **Order #:** 526815 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 01/25/02 **Submission #:** R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	81.4	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 02/20/02

Tetra Tech EM Inc.
Project Reference: AGROMAC-LOCKWOOD G9011.01.0008.10
Client Sample ID : SWD-S-7-0/2

Date Sampled : 01/17/02 17:24 Order #: 526816 Sample Matrix: SOIL/SEDIMENT
Date Received: 01/25/02 Submission #: R2210459

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.0	1.0	82.4	%	01/29/02	10:50	1.0

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 02/20/02
CAS Order # : 526788 - OS-S-4-10/14
Client : Tetra Tech EM Inc.
AGROMAC-LOCKWOOD G9011.01.0008.10
Reported Units: %
Run # : 73916

	PRECISION		
	ORIGINAL	DUPLICATE	RPD
PERCENT SOLIDS	94.6	94.6	0

COLUMBIA ANALYTICAL SERVICES

INORGANIC QUALITY CONTROL SUMMARY

Report Date : 02/20/02
CAS Order # : 526809 - SMP-S-3-0/2
Client : Tetra Tech EM Inc.
AGROMAC-LOCKWOOD G9011.01.0008.10
Reported Units: %
Run # : 73916

PRECISION

	ORIGINAL	DUPLICATE	RPD
PERCENT SOLIDS	88.5	88.5	0

2 copies: 10457
10459

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#: 73916
lyte PERCENT SOL. 160.0 PERCENT SOLIDS
n 1/30/02 16:20

E	SUBMISSION	ORDER #	MATRIX	REPORTED RESULT	DILUTION	PQL	% RECOVERY	% RSD	DATE ANALYZED	QC	PKG #
5		527525	SOIL/SEDIM	1.00	1.0	1.0		194.9	01/29/2002		
IP	9912010457	526725	SOIL/SEDIM	77.3	1.0	1.0			01/29/2002		5
IP		527526	SOIL/SEDIM	76.7	1.0	1.0		0.77	01/29/2002		
IP	9912010457	526726	SOIL/SEDIM	82.8	1.0	1.0			01/29/2002		5
IP	9912010457	526729	SOIL/SEDIM	80.2	1.0	1.0			01/29/2002		5
IP	9912010457	526730	SOIL/SEDIM	78.7	1.0	1.0			01/29/2002		5
IP	9912010459	526757	SOIL/SEDIM	81.9	1.0	1.0			01/29/2002		5
IP	9912010459	526760	SOIL/SEDIM	~~91.3~~ 90.8 BB 4/02 Transcription error	1.0	1.0			01/29/2002		5
MP	9912010459	526763	SOIL/SEDIM	98.2	1.0	1.0			01/29/2002		5
MP	9912010459	526765	SOIL/SEDIM	98.4	1.0	1.0			01/29/2002		5
MP	9912010459	526769	SOIL/SEDIM	84.4	1.0	1.0			01/29/2002		5
UP		527527	SOIL/SEDIM	84.4	1.0	1.0		0.05	01/29/2002		
MP	9912010459	526771	SOIL/SEDIM	87.2	1.0	1.0			01/29/2002		5
MP	9912010459	526773	SOIL/SEDIM	84.6	1.0	1.0			01/29/2002		5
MP	9912010459	526774	SOIL/SEDIM	85.8	1.0	1.0			01/29/2002		5
MP	9912010459	526775	SOIL/SEDIM	81.0	1.0	1.0			01/29/2002		5
MP	9912010459	526776	SOIL/SEDIM	89.8	1.0	1.0			01/29/2002		5
MP	9912010459	526777	SOIL/SEDIM	87.1	1.0	1.0			01/29/2002		5
MP	9912010459	526778	SOIL/SEDIM	84.3	1.0	1.0			01/29/2002		5
MP	9912010459	526779	SOIL/SEDIM	84.8	1.0	1.0			01/29/2002		5
SV	12010459	526780	SOIL/SEDIM	89.6	1.0	1.0			01/29/2002		5
SA	12010459	526781	SOIL/SEDIM	89.4	1.0	1.0			01/29/2002		5
SMP	9912010459	526782	SOIL/SEDIM	89.6	1.0	1.0			01/29/2002		5
SMP	9912010459	526783	SOIL/SEDIM	~~86.0~~ 87.3 BB 4/02 Transcription error	1.0	1.0			01/29/2002		5
SMP	9912010459	526784	SOIL/SEDIM	85.4	1.0	1.0			01/29/2002		5
SMP	9912010459	526785	SOIL/SEDIM	88.5	1.0	1.0			01/29/2002		5
SMP	9912010459	526786	SOIL/SEDIM	88.6	1.0	1.0			01/29/2002		5
SMP	9912010459	526787	SOIL/SEDIM	90.5	1.0	1.0			01/29/2002		5
SMP	9912010459	526788	SOIL/SEDIM	94.6	1.0	1.0			01/29/2002	QC	5
DUP		527528	SOIL/SEDIM	94.6	1.0	1.0		0.01	01/29/2002		
SMP	9912010459	526789	SOIL/SEDIM	91.1	1.0	1.0			01/29/2002		5
SMP	9912010459	526790	SOIL/SEDIM	84.5	1.0	1.0			01/29/2002		5
SMP	9912010459	526791	SOIL/SEDIM	84.9	1.0	1.0			01/29/2002		5
SMP	9912010459	526792	SOIL/SEDIM	87.2	1.0	1.0			01/29/2002		5
SMP	9912010459	526793	SOIL/SEDIM	92.1	1.0	1.0			01/29/2002		5
SMP	9912010459	526794	SOIL/SEDIM	95.7	1.0	1.0			01/29/2002		5
SMP	9912010459	526795	SOIL/SEDIM	94.7	1.0	1.0			01/29/2002		5
SMP	9912010459	526796	SOIL/SEDIM	80.7	1.0	1.0			01/29/2002		5
LDUP		527529	SOIL/SEDIM	80.4	1.0	1.0		0.40	01/29/2002		
SMP	9912010459	526797	SOIL/SEDIM	80.6	1.0	1.0			01/29/2002		5
SMP	9912010459	526798	SOIL/SEDIM	89.3	1.0	1.0			01/29/2002		5
SMP	9912010459	526799	SOIL/SEDIM	83.3	1.0	1.0			01/29/2002		5
SMP	9912010459	526800	SOIL/SEDIM	91.5	1.0	1.0			01/29/2002		5
SMP	9912010459	526801	SOIL/SEDIM	84.3	1.0	1.0			01/29/2002		5
SMP	9912010459	526802	SOIL/SEDIM	90.5	1.0	1.0			01/29/2002		5
E	9912010459	526804	SOIL/SEDIM	90.6	1.0	1.0			01/29/2002		5
E	9912010459	526805	SOIL/SEDIM	88.5	1.0	1.0			01/29/2002		5
SMP	9912010459	526807	SOIL/SEDIM	88.1	1.0	1.0			01/29/2002		5
SMP	9912010459	526809	SOIL/SEDIM	88.5	1.0	1.0			01/29/2002	QC	5
LDUP		527530	SOIL/SEDIM	88.5	1.0	1.0		0.01	01/29/2002		
SMP	9912010459	526811	SOIL/SEDIM	87.5	1.0	1.0			01/29/2002		5

Review Date 2/1/02 Name S Boone
Entry Date _____ Name _____

ANALYTE:G:\STARLIMS\ASBAR.RP1
Page 1

TYPE	SUBMISSION	ORDER #	MATRIX	RESULT	DILUTION	PQL	% RECOVERY	% RSD	ANALYZED	QC	PKG #
SMP	9912010459	526812	SOIL/SEDIM	82.8	1.0	1.0			01/29/2002		5
SMP	12010459	526813	SOIL/SEDIM	82.8	1.0	1.0			01/29/2002		5
SMP	12010459	526814	SOIL/SEDIM	82.9	1.0	1.0			01/29/2002		5
SMP	9912010459	526815	SOIL/SEDIM	81.4	1.0	1.0			01/29/2002		5
SMP	9912010459	526816	SOIL/SEDIM	82.4	1.0	1.0			01/29/2002		5
DUP		527524	SOIL/SEDIM	82.3	1.0	1.0		0.08	01/29/2002		
SMP	9912010467	527046	SOIL/SEDIM	89.7	1.0	1.0			01/29/2002		1

Records printed: 58

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SOLIDS REPORT

:UN #: 73916 ANALYSIS DATE: 01/29/2002 ASSIGNED TO :
'EMPLATE: DUPS
[EST :

CUP#	ORDER #	SUBMISSION	CONTROL TYPE	GROSS(g) TARE(g) DIFF(g)		% SOLID	DISH ID	LS JOB#	LS LOC#
1	527525	R22 0	MBLK	(1.2600-1.2600)=0.0000	DRY*100 =	1.00	1		
				(1.2600-1.2600)=0.0000	WET				
2	526725	R2210457	ESMP	(9.4500-1.2500)=8.2000	DRY*100 =	77.30	2		
				(11.8600-1.2500)=10.6100	WET				
3	527526	R22 0	DUPE	(9.3500-1.2500)=8.1000	DRY*100 =	76.70	3		
				(11.8100-1.2500)=10.5600	WET				
4	526726	R2210457	ESMP	(9.6100-1.2600)=8.3500	DRY*100 =	82.80	4		
				(11.3500-1.2600)=10.0900	WET				
5	526729	R2210457	ESMP	(9.3700-1.2500)=8.1200	DRY*100 =	80.20	5		
				(11.3700-1.2500)=10.1200	WET				
6	526730	R2210457	ESMP	(9.5100-1.2600)=8.2500	DRY*100 =	78.70	6		
				(11.7400-1.2600)=10.4800	WET				
7	526757	R2210459	ESMP	(9.5700-1.2700)=8.3000	DRY*100 =	81.90	7		
				(11.4000-1.2700)=10.1300	WET				
8	526760	R2210459	ESMP	(10.7000-1.2600)=9.4400	DRY*100 =	~~91.30~~ 90.8	8		
				(11.6600-1.2600)=10.3400 BB 2/1/02	WET				
9	526763	R2210459	ESMP	(11.6500-1.2500)=10.4000	DRY*100 =	98.20	9		
				(11.8400-1.2500)=10.5900	WET				
	526765	R2210459	ESMP	(11.4600-1.2700)=10.1900	DRY*100 =	98.40	10		
				(11.6300-1.2700)=10.3600	WET				
11	526769	R2210459	ESMP	(10.0500-1.2500)=8.8000	DRY*100 =	84.40	11		
				(11.6800-1.2500)=10.4300	WET				
12	527527	R22 0	DUPE	(10.0500-1.2600)=8.7900	DRY*100 =	84.40	13		
				(11.6700-1.2600)=10.4100	WET				
13	526771	R2210459	ESMP	(10.0800-1.2500)=8.8300	DRY*100 =	87.20	14		
				(11.3800-1.2500)=10.1300	WET				
14	526773	R2210459	ESMP	(10.0100-1.2500)=8.7600	DRY*100 =	84.60	15		
				(11.6000-1.2500)=10.3500	WET				
15	526774	R2210459	ESMP	(10.1800-1.2400)=8.9400	DRY*100 =	85.80	16		
				(11.6600-1.2400)=10.4200	WET				
16	526775	R2210459	ESMP	(9.2500-1.2500)=8.0000	DRY*100 =	81.00	17		
				(11.1200-1.2500)=9.8700	WET				
17	526776	R2210459	ESMP	(10.5000-1.2600)=9.2400	DRY*100 =	89.80	18		
				(11.5500-1.2600)=10.2900	WET				
18	526777	R2210459	ESMP	(10.4200-1.2600)=9.1600	DRY*100 =	87.10	19		
				(11.7800-1.2600)=10.5200	WET				
19	526778	R2210459	ESMP	(9.7900-1.2400)=8.5500	DRY*100 =	84.30	20		
				(11.3800-1.2400)=10.1400	WET				
20	526779	R2210459	ESMP	(9.8300-1.2600)=8.5700	DRY*100 =	84.80	21		
				(11.3700-1.2600)=10.1100	WET				
21	526780	R2210459	ESMP	(10.2900-1.2600)=9.0300	DRY*100 =	89.60	22		
				(11.3400-1.2600)=10.0800	WET				
23	526781	R2210459	ESMP	(10.3300-1.2600)=9.0700	DRY*100 =	89.40	24		
				(11.4100-1.2600)=10.1500	WET				
24	526782	R2210459	ESMP	(10.8000-1.2600)=9.5400	DRY*100 =	89.60	25		
				(11.9100-1.2600)=10.6500	WET	87.6			
24	526783	R2210459	ESMP	(10.4200-1.2600)=9.1600	DRY*100 =	~~88.00~~	26		
				(11.9100-1.2600)=10.6500 BB 2/1/02	WET				
25	526784	R2210459	ESMP	(9.8600-1.2600)=8.6000	DRY*100 =	85.40	27		
				(11.3300-1.2600)=10.0700	WET				

)ATE PRINTED: 01/30/02

SOLIDS REPORT

RUN #: 73916 ANALYSIS DATE: 01/29/2002 ASSIGNED TO :
TEMPLATE: DWPS
TEST :

CUP#	ORDER #	SUBMISSION	CONTROL TYPE	GROSS(g) TARE(g) DIFF(g)		% SOLID	DISH ID	LS JOB#	LS LOC#
26	526785	R2210459	ESMP	(10.2700-1.2500)=9.0200	DRY*100 =	88.50	28		
				(11.4400-1.2500)=10.1900	WET				
27	526786	R2210459	ESMP	(10.4800-1.2700)=9.2100	DRY*100 =	88.60	29		
				(11.6600-1.2700)=10.3900	WET				
28	526787	R2210459	ESMP	(10.6300-1.2500)=9.3800	DRY*100 =	90.50	30		
				(11.6100-1.2500)=10.3600	WET				
29	526788	R2210459	ESMP	(11.0300-1.2300)=9.8000	DRY*100 =	94.60	31		
				(11.5900-1.2300)=10.3600	WET				
30	527528	R22 0	DUPE	(11.0400-1.2400)=9.8000	DRY*100 =	94.60	32		
				(11.6000-1.2400)=10.3600	WET				
31	526789	R2210459	ESMP	(10.6800-1.2600)=9.4200	DRY*100 =	91.10	33		
				(11.6000-1.2600)=10.3400	WET				
32	526790	R2210459	ESMP	(9.7600-1.2500)=8.5100	DRY*100 =	84.50	35		
				(11.3200-1.2500)=10.0700	WET				
33	526791	R2210459	ESMP	(9.9100-1.2600)=8.6500	DRY*100 =	84.90	36		
				(11.4500-1.2600)=10.1900	WET				
34	526792	R2210459	ESMP	(10.3400-1.2400)=9.1000	DRY*100 =	87.20	37		
				(11.6800-1.2400)=10.4400	WET				
	526793	R2210459	ESMP	(10.9500-1.2500)=9.7000	DRY*100 =	92.10	38		
				(11.7800-1.2500)=10.5300	WET				
36	526794	R2210459	ESMP	(11.1200-1.2400)=9.8800	DRY*100 =	95.70	39		
				(11.5600-1.2400)=10.3200	WET				
37	526795	R2210459	ESMP	(10.9600-1.2400)=9.7200	DRY*100 =	94.70	40		
				(11.5000-1.2400)=10.2600	WET				
38	526796	R2210459	ESMP	(9.3000-1.2400)=8.0600	DRY*100 =	80.70	41		
				(11.2300-1.2400)=9.9900	WET				
39	527529	R22 0	DUPE	(9.3200-1.2500)=8.0700	DRY*100 =	80.40	42		
				(11.2900-1.2500)=10.0400	WET				
40	526797	R2210459	ESMP	(9.8400-1.2400)=8.6000	DRY*100 =	80.60	43		
				(11.9100-1.2400)=10.6700	WET				
41	526798	R2210459	ESMP	(10.1900-1.2400)=8.9500	DRY*100 =	89.30	44		
				(11.2600-1.2400)=10.0200	WET				
42	526799	R2210459	ESMP	(10.0000-1.2400)=8.7600	DRY*100 =	83.30	46		
				(11.7500-1.2400)=10.5100	WET				
43	526800	R2210459	ESMP	(10.7700-1.2400)=9.5300	DRY*100 =	91.50	47		
				(11.6500-1.2400)=10.4100	WET				
44	526801	R2210459	ESMP	(9.7900-1.2500)=8.5400	DRY*100 =	84.30	48		
				(11.3800-1.2500)=10.1300	WET				
45	526802	R2210459	ESMP	(10.6800-1.2400)=9.4400	DRY*100 =	90.50	49		
				(11.6780-1.2400)=10.4300	WET				
46	526804	R2210459	ESMP	(10.7200-1.2600)=9.4600	DRY*100 =	90.60	50		
				(11.7000-1.2600)=10.4400	WET				
47	526805	R2210459	ESMP	(10.2400-1.2600)=8.9800	DRY*100 =	88.50	51		
				(11.4100-1.2600)=10.1500	WET				
	526807	R2210459	ESMP	(10.1000-1.2700)=8.8300	DRY*100 =	88.10	52		
				(11.2900-1.2700)=10.0200	WET				
49	526809	R2210459	ESMP	(10.0800-1.2600)=8.8200	DRY*100 =	88.50	53		
				(11.2300-1.2600)=9.9700	WET				
50	527530	R22 0	DUPE	(10.1200-1.2600)=8.8600	DRY*100 =	88.50	54		
				(11.2700-1.2600)=10.0100	WET				

E PRINTED: 01/30/02

SOLIDS REPORT

I #: 73916 ANALYSIS DATE: 01/29/2002 ASSIGNED TO :
PLATE: DWPS
ST :

P#	ORDER #	SUBMISSION	CONTROL TYPE	GROSS(g) TARE(g) DIFF(g)		% SOLID	DISH ID	LS JOB#	LS LOC#
51	526811	R2210459	ESMP	(10.2100-1.3000)=8.9100	DRY*100 =	87.50	55		
				(11.4800-1.3000)=10.1800	WET				
52	526812	R2210459	ESMP	(9.6800-1.2600)=8.4200	DRY*100 =	82.80	57		
				(11.4300-1.2600)=10.1700	WET				
53	526813	R2210459	ESMP	(9.8600-1.2600)=8.6000	DRY*100 =	82.80	58		
				(11.6500-1.2600)=10.3900	WET				
54	526814	R2210459	ESMP	(10.0400-1.2600)=8.7800	DRY*100 =	82.90	59		
				(11.8500-1.2600)=10.5900	WET				
55	526815	R2210459	ESMP	(9.5500-1.2400)=8.3100	DRY*100 =	81.40	60		
				(11.4500-1.2400)=10.2100	WET				
56	526816	R2210459	ESMP	(9.5500-1.2700)=8.2800	DRY*100 =	82.40	61		
				(11.3200-1.2700)=10.0500	WET				
57	527524	R22 0	DUPE	(9.5100-1.2600)=8.2500	DRY*100 =	82.30	62		
				(11.2800-1.2600)=10.0200	WET				
58	527046	R2210467	ESMP	(10.8700-1.2700)=9.6000	DRY*100 =	89.70	63		
				(11.9700-1.2700)=10.7000	WET				

Dry Weight Percent Solids

Analyst: T. Drobek

Date: 1/29/02 Time: 1050

Columbia Analytical Services
1 Mustard Street
Rochester, NY 14609

"S" weight initial: 10.00 final: 10.00

Order Number	Submission Client	Dish I.D.	Wet Weight (g)		Dry Weight (g)	Percent Solid
				Gross	1.26	
ICB		1	1.26	Tare		
				Diff.		
			11.86	Gross	9.45	
526725	R2-10457	2	1.25	Tare		
				Diff.		
			11.81	Gross	9.35	
-Dup		3	1.25	Tare		
				Diff.		
			11.35	Gross	9.61	
526726		4	1.26	Tare		
				Diff.		
			11.37	Gross	9.37	
526729		5	1.285 TD 1/29	Tare		
				Diff.		
			11.74	Gross	9.51	
526730		6	1.26	Tare		
				Diff.		
			11.40	Gross	11.659.57	GW 1/30/02
526757	R2-10459	7	1.27	Tare		
				Diff.		
			11.66	Gross	10.70	
526760		8	1.246 TD 1/29	Tare		
				Diff.		

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v Weight Percent Solids

Columbia Analytical Services
1 Mustard Street
Rochester, NY 14609

Analyst: T. Drobek

Date: 1/29/02 Time: _____ "S" weight initial: _____ final: _____

Order Number	Submission Client	Dish I.D.	Wet Weight (g)		Dry Weight (g)	Percent Solid
			11.84	Gross	11.65	
526763	R2-10459	9	1.25	Tare		
				Diff.		
			11.63	Gross	11.46	
526765		10	1.27	Tare		
				Diff.		
			11.68	Gross	10.05	
526769		11	1.25	Tare		
				Diff.		
				Gross	1.26	
CCB		12	1.26	Tare		
				Diff.		
			11.67	Gross	10.05	
526769		13	1.26	Tare		
-Dup				Diff.		
			11.38	Gross	10.08	
526771		14	1.25	Tare		
				Diff.		
			11.60	Gross	10.01	
526773		15	1.205 TO 1/29	Tare		
				Diff.		
			11.66	Gross	10.18	
526774		16	1.24	Tare		
				Diff.		

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v Weight Percent Solids

Columbia Analytical Services
1 Mustard Street
Rochester, NY 14609

Analyst: T. Drobek

Date: 1/29/02 Time: _____ "S" weight initial: _____ final: _____

Order Number	Submission Client	Dish I.D.	Wet Weight (g)		Dry Weight (g)	Percent Solid
526775	R2-10459	17	11.12	Gross	9.25	
			1.25	Tare		
				Diff.		
526776		18	11.55	Gross	10.50	
			1.26	Tare		
				Diff.		
526777		19	11.78	Gross	10.42	
			1.26	Tare		
				Diff.		
526778		20	11.38	Gross	9.79	
			1.24	Tare		
				Diff.		
526779		21	11.37	Gross	9.83.	
			1.26	Tare		
				Diff.		
526780		22	11.34	Gross	10.29	
			1.26	Tare		
				Diff.		
CCB		23		Gross	1.26.	
			1.25	Tare		
				Diff.		
526781		24	11.41	Gross	10.33	
			1.26	Tare		
				Diff.		

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45 + 8
TD
1/27

-y Weight Percent Solids

Columbia Analytical Services
1 Mustard Street
Rochester, NY 14609

Analyst: T. Drobek

Date: 1/29/02 Time: _____ "S" weight initial: _____ final: _____

Order Number	Submission Client	Dish I.D.	Wet Weight (g)		Dry Weight (g)	Percent Solid
			11.91	Gross	10.80	
526782	R2-10459	25	1.26	Tare		
				Diff.		
			11.71	Gross	10.42	
526783		26	1.26	Tare		
				Diff.		
			11.393	Gross	986	
526784		27	1.26 TD 1/31	Tare		
				Diff.		
			11.44	Gross	10.27	
526785		28	1.25	Tare		
				Diff.		
			11.66	Gross	10.48	
526786		29	1.27	Tare		
				Diff.		
			11.61	Gross	10.63	
526787		30	1.25	Tare		
				Diff.		
			11.59	Gross	11.03	
526788		31	1.23	Tare		
				Diff.		
			11.60	Gross	11.04	
-Dup		32	1.24	Tare		
				Diff.		

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5 of 8

v Weight Percent Solids

Columbia Analytical Services
1 Mustard Street
Rochester, NY 14609

Analyst: T. Drobek

Date: 1/29/02 Time: _____ "S" weight initial: _____ final: _____

Order Number	Submission Client	Dish I.D.	Wet Weight (g)		Dry Weight (g)	Percent Solid
526789	R2-10459	33	11.60	Gross	10.68	
			1.26	Tare		
				Diff.		
CCB		34		Gross	1.26	
			1.26	Tare		
				Diff.		
526790		35	11.32	Gross	9.76	
			1.25	Tare		
				Diff.		
526791		36	11.45	Gross	9.91	
			1.26	Tare		
				Diff.		
526792		37	11.68	Gross	10.34	
			1.24	Tare		
				Diff.		
526793		38	11.78	Gross	10.95	
			1.265	Tare		
			TD 1/29	Diff.		
526794		39	11.56	Gross	11.12	
			1.24	Tare		
				Diff.		
526795		40	11.50	Gross	10.946 GW 1/30/02	
			1.24	Tare		
				Diff.		

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Dry Weight Percent Solids

Analyst: T. Drobek

Columbia Analytical Services
1 Mustard Street
Rochester, NY 14609

Date: 1/29/02 Time: _____ "S" weight initial: _____ final: _____

Order Number	Submission Client	Dish I.D.	Wet Weight (g)		Dry Weight (g)	Percent Solid
526796	R2-10459	41	11.23	Gross	9.30	
			1.24	Tare		
				Diff.		
-Dup		42	11.29	Gross	9.32	
			1.25	Tare		
				Diff.		
526797		43	11.91	Gross	9.84	
			1.24	Tare		
				Diff.		
526798		44	11.26	Gross	10.19	
			1.24	Tare		
				Diff.		
CCB		45		Gross	1.25	
			1.25	Tare		
				Diff.		
526799		46	11.75	Gross	10.00	
			1.24	Tare		
				Diff.		
526800		47	11.65	Gross	10.71	
			1.24	Tare		
				Diff.		
526801		48	11.38	Gross	9.79	
			1.25	Tare		
				Diff.		

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Weight Percent Solids

Columbia Analytical Services
1 Mustard Street
Rochester, NY 14609

Analyst: T. Drobek

Date: 1/29/02 Time: _____ "S" weight initial: _____ final: _____

Order Number	Submission Client	Dish I.D.	Wet Weight (g)		Dry Weight (g)	Percent Solid
526802	R2-10459	49	11.67	Gross	10.68	
			1.24	Tare		
				Diff.		
526804		50	11.70	Gross	10.72	
			1.26	Tare		
				Diff.		
526805		51	11.41	Gross	10.24	
			1.26	Tare		
				Diff.		
526807		52	11.29	Gross	10.10	
			1.27	Tare		
				Diff.		
526809		53	11.23	Gross	10.08	
			1.26	Tare		
				Diff.		
-Dup		54	11.27	Gross	10.12	
			1.26	Tare		
				Diff.		
526811		55	11.48	Gross	10.21	
			1.30	Tare		
				Diff.		
CCB		56		Gross	1.25	
			1.25	Tare		
				Diff.		

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Weight Percent Solids

Analyst: T. Dribek

Columbia Analytical Services
1 Mustard Street
Rochester, NY 14609

Date: 1/29/02 Time: _____ "S" weight initial: _____ final: _____

Order Number	Submission Client	Dish I.D.	Wet Weight (g)		Dry Weight (g)	Percent Solid
526812	R2-10459	57	11.43	Gross	9.68	
			1.26	Tare		
				Diff.		
526813		58	11.65	Gross	9.86	
			1.26	Tare		
				Diff.		
526814		59	11.85	Gross	10.04	
			1.26	Tare		
				Diff.		
526815		60	11.45	Gross	9.55	
			1.24	Tare		
				Diff.		
526816		61	11.32	Gross	9.55	
			1.27	Tare		
				Diff.		
-Dup		62	11.28	Gross	9.51	
			1.26	Tare		
				Diff.		
527046	R2-10467	63	11.97	Gross	10.87	
			1.27	Tare		
			TD 1/29	Diff.		
CCB		64		Gross	1.25	
			1.26	Tare		
				Diff.		

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Columbia Analytical Services
1 Mustard St., Rochester, NY 14608-0859

General Chemistry Analytical Run Cover Sheet

Analyst: T. Drobek Date: 1/~~31~~ 29/02 TP 1/31

Analysis: DWPS Instrument: American Scientific Toploader

Quality Control:

	Log Book #	Log Book Date	Stock Sol (mLs)	Stock Sol (mg/L)	Final Vol (mLs)	True Value (mg/L)
a) Standards Prep.:						
b) ICCV Preparation:						
c) LCS Preparation:						
d) Matrix Spike Prep.:						

Instrument log filled in? (Y) (N)

Comments:

Packages:

a) Chains Signed? (Y) (N)

b) Copy and attach Standards Preparation.

Production:

	Start Time	End Time	Total (minutes)
Preparation Time :			
Analytical Time:			
Finish Time:			

# of Samples (including Mtx QC): _____
Repeats due to Sample: _____
Repeats due to Error: _____

Comments:

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