SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 080114-6
SRR: 31907
SDG: 316507
CASE: CNWRA
VTSR: January 10, 2008
PROJECT#: 14002.01.171

METALS

010002

SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 080114-6
SRR: 31907
SDG: 316507
CASE: CNWRA
VTSR: January 10, 2008
PROJECT#: 14002.01.171

FINAL REPORT

SOUTHWEST RESEARCH INSTITUTE

SAMPLE ANALYSIS DATA SHEET

010003

Sample ID
Chamber 1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: 01/10/08

Lab System ID: 316507

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Aluminum	<1.00	1
Antimony	<0.100	0.1
Arsenic	<0.100	0.1
Barium	<0.0500	0.05
Beryllium	<0.0500	0.05
Bismuth	<0.200	0.2
Boron	4.91	0.2
Cadmium	<0.0500	0.05
Calcium	8.25	0.5
Chromium	<0.0500	0.05
Cobalt	<0.0500	0.05
Copper	<0.0500	0.05
Iron	<0.500	0.5
Lanthanum	<0.0500	0.05
Lead	<0.0500	0.05
Lithium	<0.100	0.1
Magnesium	<0.500	0.5
Manganese	0.0569	0.05
Molybdenum	<0.0500	0.05
Nickel	<0.0500	0.05
Palladium	<0.200	0.2
Phosphorus	<0.200	0.2
Potassium	<2.00	2
Selenium	<0.100	0.1
Silicon	54.4	0.25
Silver	<0.0500	0.05
Sodium	6.32	2
Strontium	<0.0500	0.05
Sulfur	1.72	1
Thallium	<0.100	0.1
Thorium	<0.200	0.2
Tin	<0.0500	0.05
Titanium	<0.0500	0.05
Tungsten	<0.100	0.1
Uranium	<1.50	1.5
Vanadium	<0.0500	0.05
Yttrium	<0.0500	0.05
Zinc	<0.0500	0.05
Zirconium	<0.0500	0.05

SOUTHWEST RESEARCH INSTITUTE

DUPLICATE SUMMARY

010004

Sample ID
Chamber 1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: 01/10/08

Lab System ID: 316507D

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Orig. Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	RPD
Aluminum	<1.00	<1.00	0.00%
Antimony	<0.100	<0.100	0.00%
Arsenic	<0.100	<0.100	0.00%
Barium	<0.0500	<0.0500	0.00%
Beryllium	<0.0500	<0.0500	0.00%
Bismuth	<0.200	<0.200	0.00%
Boron	4.91	4.98	1.42%
Cadmium	<0.0500	<0.0500	0.00%
Calcium	8.25	8.41	1.92%
Chromium	<0.0500	<0.0500	0.00%
Cobalt	<0.0500	<0.0500	0.00%
Copper	<0.0500	<0.0500	0.00%
Iron	<0.500	<0.500	0.00%
Lanthanum	<0.0500	<0.0500	0.00%
Lead	<0.0500	<0.0500	0.00%
Lithium	<0.100	<0.100	0.00%
Magnesium	<0.500	<0.500	0.00%
Manganese	0.0569	0.0581	2.09%
Molybdenum	<0.0500	<0.0500	0.00%
Nickel	<0.0500	<0.0500	0.00%
Palladium	<0.200	<0.200	0.00%
Phosphorus	<0.200	<0.200	0.00%
Potassium	<2.00	<2.00	0.00%
Selenium	<0.100	<0.100	0.00%
Silicon	54.4	54.8	0.73%
Silver	<0.0500	<0.0500	0.00%
Sodium	6.32	6.91	8.92%
Strontium	<0.0500	<0.0500	0.00%
Sulfur	1.72	1.45	17.03%
Thallium	<0.100	<0.100	0.00%
Thorium	<0.200	<0.200	0.00%
Tin	<0.0500	<0.0500	0.00%
Titanium	<0.0500	<0.0500	0.00%
Tungsten	<0.100	<0.100	0.00%
Uranium	<1.50	<1.50	0.00%
Vanadium	<0.0500	<0.0500	0.00%
Yttrium	<0.0500	<0.0500	0.00%
Zinc	<0.0500	<0.0500	0.00%
Zirconium	<0.0500	<0.0500	0.00%

SOUTHWEST RESEARCH INSTITUTE

010005

MATRIX SPIKE SUMMARY

Sample ID
Chamber 1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: 01/10/08

Lab System ID: 316507S

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Orig. Sample Result (mg/L)	Spike Result (mg/L)	Spike Added (mg/L)	Recovery
Aluminum	<1.00	19.6	20.0	98.0%
Antimony	<0.100	5.00	5.00	100.0%
Arsenic	<0.100	20.1	20.0	100.5%
Barium	<0.0500	19.7	20.0	98.5%
Beryllium	<0.0500	0.505	0.500	101.0%
Bismuth	NA	NA	NA	NA
Boron	NA	NA	NA	NA
Cadmium	<0.0500	0.484	0.500	96.8%
Calcium	8.25	217	200	104.4%
Chromium	<0.0500	1.95	2.00	97.5%
Cobalt	<0.0500	4.93	5.00	98.6%
Copper	<0.0500	2.40	2.50	96.0%
Iron	<0.500	9.99	10.0	99.9%
Lanthanum	NA	NA	NA	NA
Lead	<0.0500	4.92	5.00	98.4%
Lithium	<0.100	37.9	40.0	94.8%
Magnesium	<0.500	211	200	105.5%
Manganese	0.0569	5.00	5.00	98.9%
Molybdenum	NA	NA	NA	NA
Nickel	<0.0500	4.90	5.00	98.0%
Palladium	NA	NA	NA	NA
Phosphorus	NA	NA	NA	NA
Potassium	<2.00	180	200	90.0%
Selenium	<0.100	21.1	20.0	105.5%
Silicon	NA	NA	NA	NA
Silver	<0.0500	0.493	0.500	98.6%
Sodium	6.32	205	200	99.3%
Strontium	NA	NA	NA	NA
Sulfur	NA	NA	NA	NA
Thallium	<0.100	20.5	20.0	102.5%
Thorium	NA	NA	NA	NA
Tin	NA	NA	NA	NA
Titanium	NA	NA	NA	NA
Tungsten	NA	NA	NA	NA
Uranium	NA	NA	NA	NA
Vanadium	<0.0500	4.79	5.00	95.8%
Yttrium	NA	NA	NA	NA
Zinc	<0.0500	4.95	5.00	99.0%
Zirconium	NA	NA	NA	NA

NA - Not Applicable.

SOUTHWEST RESEARCH INSTITUTE

SAMPLE ANALYSIS DATA SHEET 010006

Sample ID
Chamber 2A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: 01/10/08

Lab System ID: 316508

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Aluminum	<1.00	1
Antimony	<0.100	0.1
Arsenic	<0.100	0.1
Barium	<0.0500	0.05
Beryllium	<0.0500	0.05
Bismuth	<0.200	0.2
Boron	5.18	0.2
Cadmium	<0.0500	0.05
Calcium	1.64	0.5
Chromium	<0.0500	0.05
Cobalt	<0.0500	0.05
Copper	<0.0500	0.05
Iron	<0.500	0.5
Lanthanum	<0.0500	0.05
Lead	<0.0500	0.05
Lithium	<0.100	0.1
Magnesium	<0.500	0.5
Manganese	<0.0500	0.05
Molybdenum	<0.0500	0.05
Nickel	<0.0500	0.05
Palladium	<0.200	0.2
Phosphorus	<0.200	0.2
Potassium	<2.00	2
Selenium	<0.100	0.1
Silicon	16.1	0.25
Silver	<0.0500	0.05
Sodium	5.97	2
Strontium	<0.0500	0.05
Sulfur	<1.00	1
Thallium	<0.100	0.1
Thorium	<0.200	0.2
Tin	<0.0500	0.05
Titanium	<0.0500	0.05
Tungsten	<0.100	0.1
Uranium	<1.50	1.5
Vanadium	<0.0500	0.05
Yttrium	<0.0500	0.05
Zinc	<0.0500	0.05
Zirconium	<0.0500	0.05

SOUTHWEST RESEARCH INSTITUTE

010007

SAMPLE ANALYSIS DATA SHEET

Sample ID
Chamber 3A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: 01/10/08

Lab System ID: 316509

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Aluminum	<1.00	1
Antimony	<0.100	0.1
Arsenic	<0.100	0.1
Barium	<0.0500	0.05
Beryllium	<0.0500	0.05
Bismuth	<0.200	0.2
Boron	2.07	0.2
Cadmium	<0.0500	0.05
Calcium	1.64	0.5
Chromium	<0.0500	0.05
Cobalt	<0.0500	0.05
Copper	<0.0500	0.05
Iron	<0.500	0.5
Lanthanum	<0.0500	0.05
Lead	<0.0500	0.05
Lithium	<0.100	0.1
Magnesium	<0.500	0.5
Manganese	<0.0500	0.05
Molybdenum	<0.0500	0.05
Nickel	<0.0500	0.05
Palladium	<0.200	0.2
Phosphorus	<0.200	0.2
Potassium	<2.00	2
Selenium	<0.100	0.1
Silicon	14.3	0.25
Silver	<0.0500	0.05
Sodium	3.14	2
Strontium	<0.0500	0.05
Sulfur	1.03	1
Thallium	<0.100	0.1
Thorium	<0.200	0.2
Tin	<0.0500	0.05
Titanium	<0.0500	0.05
Tungsten	<0.100	0.1
Uranium	<1.50	1.5
Vanadium	<0.0500	0.05
Yttrium	<0.0500	0.05
Zinc	<0.0500	0.05
Zirconium	<0.0500	0.05

SOUTHWEST RESEARCH INSTITUTE

SAMPLE ANALYSIS DATA SHEET 010008

Sample ID
Chamber 4A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: 01/10/08

Lab System ID: 316510

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Aluminum	<1.00	1
Antimony	<0.100	0.1
Arsenic	<0.100	0.1
Barium	<0.0500	0.05
Beryllium	<0.0500	0.05
Bismuth	<0.200	0.2
Boron	5.18	0.2
Cadmium	<0.0500	0.05
Calcium	2.39	0.5
Chromium	<0.0500	0.05
Cobalt	<0.0500	0.05
Copper	<0.0500	0.05
Iron	<0.500	0.5
Lanthanum	<0.0500	0.05
Lead	<0.0500	0.05
Lithium	<0.100	0.1
Magnesium	<0.500	0.5
Manganese	<0.0500	0.05
Molybdenum	<0.0500	0.05
Nickel	<0.0500	0.05
Palladium	<0.200	0.2
Phosphorus	<0.200	0.2
Potassium	<2.00	2
Selenium	<0.100	0.1
Silicon	18.0	0.25
Silver	<0.0500	0.05
Sodium	6.43	2
Strontium	<0.0500	0.05
Sulfur	<1.00	1
Thallium	<0.100	0.1
Thorium	<0.200	0.2
Tin	<0.0500	0.05
Titanium	<0.0500	0.05
Tungsten	<0.100	0.1
Uranium	<1.50	1.5
Vanadium	<0.0500	0.05
Yttrium	<0.0500	0.05
Zinc	<0.0500	0.05
Zirconium	<0.0500	0.05

SOUTHWEST RESEARCH INSTITUTE

SAMPLE ANALYSIS DATA SHEET

010009

Sample ID: Drift A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: 01/10/08

Lab System ID: 316511

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Aluminum	<2.50	2.5
Antimony	<0.250	0.25
Arsenic	<0.250	0.25
Barium	<0.125	0.125
Beryllium	<0.125	0.125
Bismuth	<0.500	0.5
Boron	25.2	0.5
Cadmium	<0.125	0.125
Calcium	<1.25	1.25
Chromium	<0.125	0.125
Cobalt	<0.125	0.125
Copper	<0.125	0.125
Iron	<1.25	1.25
Lanthanum	<0.125	0.125
Lead	<0.125	0.125
Lithium	<0.250	0.25
Magnesium	<1.25	1.25
Manganese	<0.125	0.125
Molybdenum	<0.125	0.125
Nickel	<0.125	0.125
Palladium	<0.500	0.5
Phosphorus	1.21	0.5
Potassium	<5.00	5
Selenium	<0.250	0.25
Silicon	17.8	0.625
Silver	<0.125	0.125
Sodium	38.7	5
Strontium	<0.125	0.125
Sulfur	108	2.5
Thallium	<0.250	0.25
Thorium	<0.500	0.5
Tin	<0.125	0.125
Titanium	<0.125	0.125
Tungsten	<0.250	0.25
Uranium	<3.75	3.75
Vanadium	<0.125	0.125
Yttrium	<0.125	0.125
Zinc	<0.125	0.125
Zirconium	<0.125	0.125

SOUTHWEST RESEARCH INSTITUTE

LABORATORY CONTROL SAMPLE

010010

Sample ID
Lab Control

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: NA

Lab System ID: LCSW-A31H1

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Sample Result (mg/L)	True Value (mg/L)	Recovery
Aluminum	1.98	2.00	99.0%
Antimony	0.504	0.50	100.8%
Arsenic	2.03	2.00	101.5%
Barium	2.01	2.00	100.5%
Beryllium	0.0503	0.05	100.6%
Bismuth	NA	NA	NA
Boron	NA	NA	NA
Cadmium	0.0484	0.05	96.8%
Calcium	21.2	20.0	106.0%
Chromium	0.194	0.20	97.0%
Cobalt	0.491	0.50	98.2%
Copper	0.246	0.25	98.4%
Iron	0.980	1.00	98.0%
Lanthanum	NA	NA	NA
Lead	0.490	0.50	98.0%
Lithium	4.00	4.00	100.0%
Magnesium	21.3	20.0	106.5%
Manganese	0.493	0.50	98.6%
Molybdenum	NA	NA	NA
Nickel	0.491	0.50	98.2%
Palladium	NA	NA	NA
Phosphorus	NA	NA	NA
Potassium	18.9	20.0	94.5%
Selenium	2.10	2.00	105.0%
Silicon	NA	NA	NA
Silver	0.0491	0.05	98.2%
Sodium	20.2	20.0	101.0%
Strontium	NA	NA	NA
Sulfur	NA	NA	NA
Thallium	2.06	2.00	103.0%
Thorium	NA	NA	NA
Tin	NA	NA	NA
Titanium	NA	NA	NA
Tungsten	NA	NA	NA
Uranium	NA	NA	NA
Vanadium	0.480	0.50	96.0%
Yttrium	NA	NA	NA
Zinc	0.484	0.50	96.8%
Zirconium	NA	NA	NA

NA - Not Applicable.

SOUTHWEST RESEARCH INSTITUTE

BLANK SUMMARY

010011

Sample ID
Prep Blank

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Project No.: 14002.01.171

Matrix: Water

Date Received: NA

Lab System ID: PBW-A31H1

SRR #: 31907

Method: 6010B

Task Order #: 080114-6

Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Aluminum	<1.00	1
Antimony	<0.100	0.1
Arsenic	<0.100	0.1
Barium	<0.0500	0.05
Beryllium	<0.0500	0.05
Bismuth	<0.200	0.2
Boron	<0.200	0.2
Cadmium	<0.0500	0.05
Calcium	<0.500	0.5
Chromium	<0.0500	0.05
Cobalt	<0.0500	0.05
Copper	<0.0500	0.05
Iron	<0.500	0.5
Lanthanum	<0.0500	0.05
Lead	<0.0500	0.05
Lithium	<0.100	0.1
Magnesium	<0.500	0.5
Manganese	<0.0500	0.05
Molybdenum	<0.0500	0.05
Nickel	<0.0500	0.05
Palladium	<0.200	0.2
Phosphorus	<0.200	0.2
Potassium	<2.00	2
Selenium	<0.100	0.1
Silicon	<0.250	0.25
Silver	<0.0500	0.05
Sodium	<2.00	2
Strontium	<0.0500	0.05
Sulfur	<1.00	1
Thallium	<0.100	0.1
Thorium	<0.200	0.2
Tin	<0.0500	0.05
Titanium	<0.0500	0.05
Tungsten	<0.100	0.1
Uranium	<1.50	1.5
Vanadium	<0.0500	0.05
Yttrium	<0.0500	0.05
Zinc	<0.0500	0.05
Zirconium	<0.0500	0.05

NA - Not Applicable.

010012

SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 080114-6
SRR: 31907
SDG: 316507
CASE: CNWRA
VTSR: January 10, 2008
PROJECT#: 14002.01.171

Task Orders/01-QPP-015

Southwest Research Institute

Laboratory Task Order

TO #: 080114-6 Revision: 0

SDG: 316507
VTSR: 01/10/08
CASE: CNWRA NUC

SRR #'s: 31907
Client(s): DIVISION 20

Project(s): 14002.01.171
Manager(s): RANGER, JACKIE
To PM: 01/29/08
To QA: 01/29/08
To Client: 01/30/08

010013

Instructions

DIVISION 20 - CNWRA.
FIVE samples received on ICP. Contacts are Brian Derby or Todd Mintz (ext. 5282) todd.mintz@swri.org.
Send prelims to Todd Mintz. Forms only, ARCHIVE ALL.

Documents Related to this task order: 37601[COC for SRR 31907]

Deliverables --> Hard Copy: -YES- EDD: no PDF: no

This Task Order is NOT BILLED

Test: DIL-DILUTION Holding: 180 days from CED
Section: METALPREP **Prep, Dilution** Cnt: 5

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
316507		1	Liquid	Chamber 1A	19 Nov 07	17 May 08
316508		1	Liquid	Chamber 2A	19 Nov 07	17 May 08
316509		1	Liquid	Chamber 3A	19 Nov 07	17 May 08
316510		1	Liquid	Chamber 4A	19 Nov 07	17 May 08
316511		1	Liquid	Drift A	19 Nov 07	17 May 08

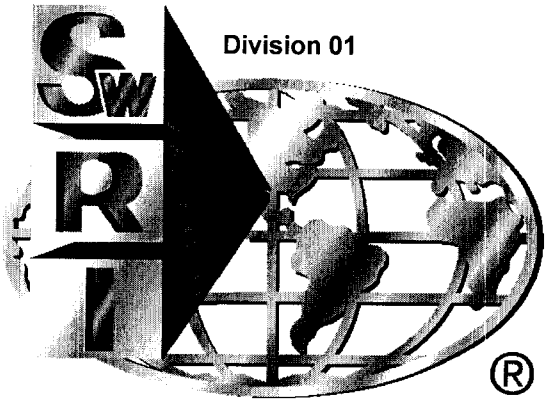
Test: ICP-6010B Holding: 180 days from CED
Section: METALS **ICP Method 6010B Total Metals** Cnt: 5

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
316507		1	Liquid	Chamber 1A	19 Nov 07	17 May 08
316508		1	Liquid	Chamber 2A	19 Nov 07	17 May 08
316509		1	Liquid	Chamber 3A	19 Nov 07	17 May 08
316510		1	Liquid	Chamber 4A	19 Nov 07	17 May 08
316511		1	Liquid	Drift A	19 Nov 07	17 May 08

010014

01-QPP-015
Division 01
Revision 6
June 2006

Document No._____



Division 01

Chemistry and Chemical
Engineering Division

QUALITY PROJECT PLAN FOR

PERFORMANCE OF CHEMICAL ANALYSES FOR COMMERCIAL NUCLEAR POWER PLANTS WITHIN THE DEPARTMENT OF ANALYTICAL AND ENVIRONMENTAL CHEMISTRY

SOUTHWEST RESEARCH INSTITUTE
Chemistry and Chemical Engineering Division
6220 CULEBRA ROAD, SAN ANTONIO, TEXAS 78238

QUALITY PROJECT PLAN FOR PERFORMANCE OF CHEMICAL ANALYSES FOR COMMERCIAL NUCLEAR POWER PLANTS WITHIN THE DEPARTMENT OF ANALYTICAL AND ENVIONMENTAL CHEMISTRY

SwRI AUTHORIZATION SIGNATORIES

This is to certify that this Quality Project Plan of Southwest Research Institute (SwRI) has been reviewed and approved by the following personnel:

JO ANN BOYD (210) 522-2169 — **DATE** 6/28/06
Quality Assurance Manager

REZA KARIMI (210) 522-2412 — **DATE** 6/28/06
Director, Department of Analytical and Environmental Chemistry

MICHAEL G. MACNAUGHTON (210) 522-5162 — **DATE** 6/29/06
Vice President, Chemistry and Chemical Engineering Division

CHRISTOPHER HOBSON (210) 522-5838 — **DATE** 7/6/2006
Quality Assurance Engineer

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PERFORMANCE OF CHEMICAL ANALYSES FOR COMMERCIAL NUCLEAR POWER PLANTS WITHIN THE DEPARTMENT OF ANALYTICAL AND ENVIRONMENTAL CHEMISTRY

1.0 INTRODUCTION

This Quality Project Plan (QPP) defines the Quality Assurance (QA) program requirements for personnel providing the chemical analyses for commercial nuclear power plants. Southwest Research Institute (SwRI) ***Program Quality Plan (PQP-Nuclear)***, *Nuclear Services* shall implement the QA requirements. Project activities controlled by the PQP-Nuclear shall be accomplished as specified by the appropriate sections of **01-QAP-004**, *Quality Assurance Plan for Analytical and Environmental Services* and/or nationally recognized testing methods as specified on individual purchase orders. This QPP shall be applied to all projects initiated for nuclear utilities in the Department of Analytical and Environmental Chemistry. If, as a result of complexity, duration, or other factors, it is determined that a unique, project-specific quality plan is required, the project QAE shall notify the Project Manager and a project-specific quality plan shall be generated in accordance with **SOP-01-4.2.1**, *Preparation and Revision of Documented Procedures*.

2.0 SCOPE

This Quality Project Plan shall be applied to the chemical analyses performed for commercial nuclear power plants by the Department of Analytical and Environmental Chemistry within the Chemistry and Chemical Engineering Division. Although the majority of the work performed for nuclear facilities resides within the Department of Analytical and Environmental Chemistry, other departments within the division may utilize this Quality Project Plan as deemed necessary when nuclear projects are conducted.

3.0 REFERENCES

3.1 *SwRI Quality System Manual – 2000*

3.2 *10 CFR 50, Appendix B, ASME NQA-1*

3.3 *SwRI Program Quality Plan (PQP-Nuclear), Nuclear Services*

3.4 01-QAP-004, *Quality Assurance Plan for Analytical and Environmental Services*

4.0 APPLICABLE SECTIONS OF SwRI PROGRAM QUALITY PLAN (PQP-NUCLEAR)

4.1 Indoctrination and Training

4.1.1 Personnel performing duties affecting quality shall receive quality training to the *SwRI Program Quality Plan (PQP-Nuclear), Nuclear Services* prior to performing any work on projects for nuclear utilities. This training will be conducted either by Institute Quality Systems (IQS) or Division 01 Quality Assurance personnel and documentation shall be evident in the personnel training files maintained in Division

01 Quality Assurance.

4.1.2 Indoctrination and training of personnel shall be conducted in accordance with **SOP-01-6.2.1**, *Qualification and Training.*

4.2 Qualification of Personnel

4.2.1 Testing personnel shall be designated as qualified to perform applicable project activities as specified in **SOP-01-6.2.1**, *Qualification and Training.*

4.2.2 During the performance of each testing process, testing personnel shall have access to the necessary documented procedures, i.e., QPP, QAP, Task Order, Division Quality System Standard Operating Procedures (SOPs), and applicable test/analytical procedures (TAPs) available for ready reference.

4.2.3 Any person who has not performed testing activities associated with any particular method being used for nuclear utilities projects for a period of one year shall be reevaluated prior to the conduct of the test.

4.2.4 Quality Assurance personnel witnessing the testing process for nuclear utilities shall have documented evidence of qualifications maintained by Institute Quality Systems or Division 01 Quality Assurance.

4.3 Design Control

Not applicable to activities conducted within the Department of Analytical and Environmental Chemistry.

4.4 Right of Access

4.4.1 Procurement documents shall provide for access to the suppliers' facilities and records for surveillance, inspection, or audit by SwRI and clients.

4.4.2 Where appropriate, quality clause **Q32** shall be noted on the procurement documents to indicate that right of access for inspection and surveillance of activities associated with the order shall be afforded to SwRI and clients.

4.5 Control of Supplier-Generated Documents

4.5.1 Client documents shall be controlled in accordance with **SOP-01-4.2.1**, *Preparation and Revision of Documented Procedures.* These procedures provide the requirements for the preparation, review, approval, issue, distribution, and revision of documents controlled by the Chemistry and Chemical Engineering Division.

4.5.2 Documents may be controlled as Plans or Work Instructions and shall be accessible through the Division Intranet link, ***Contract Requirements*** as PDF files.

4.5.3 Nationally recognized test methods shall be of the most current issue or as specified in the purchase order. Task orders shall identify the applicable test methods to be used on the nuclear project.

4.6 Acceptance of Services Only

Not applicable to activities conducted within the Department of Analytical and Environmental Chemistry.

4.7 Commercial Grade Items

4.7.1 Where an item is to be incorporated into a test or deliverable to a client, and that item is not subject to design or specification requirements that are unique to nuclear facilities, used in applications other then nuclear facilities, and procured from the supplier on the specifications set forth in the manufacturers' published product and description, the item shall be considered "commercial grade".

4.7.2 Chemical reagents and standards used for testing purposes shall be ordered to specific chemical grades and certificates of analysis shall be required with each lot.

4.7.3 Controls for procurement planning, supplier selection, supplier performance evaluation, and acceptance of procured items and services other than chemical reagents and standards shall be as identified in **SOP-01-7.4.1**, *Purchasing*, and any referenced document within that procedure.

4.7.4 Receipt inspection of chemical reagents, standards, and test items for use on nuclear safety-related projects shall be performed by department personnel and documented on the *SwRI Receipt Traveler* or **FRM-109**, *Item Receipt Report*, as specified in **SOP-01-8.2.4**, *Monitoring and Measurement*. Any discrepancy such as a damaged container or container label shall be documented on the form and the client shall be contacted for disposition.

4.7.5 Prior or acceptance of a commercial grade item, the receipt inspection shall determine the following:

(a) Damage was not sustained during shipment;

(b) The item has satisfied the specified acceptance criteria; and

(c) Specified documentation, as applicable to the item, was received and is acceptable.

4.7.6 Receipt inspection of chemical reagents and standards shall also consist of verification of chemical type, grade, container integrity, certificate of analysis, and shelf life, where applicable. Upon acceptance of chemical reagents and standards, the containers shall be labeled with the following:

(a) Chemical name;

(b) Chemical grade;

(c) Lot code;

(d) Date received; and

(e) Shelf life, when applicable.

4.7.7 Expired shelf life items shall not be used for testing purposes.

4.7.8 Lot codes of chemical reagents and standards used during equipment standardization and testing shall be recorded on the individual testing data sheets to provide traceability.

4.7.9 Samples supplied to SwRI for testing shall be received by the Sample Custodian and logged into the laboratory logbook. Sample documentation and sample custody shall be maintained in accordance with **TAP-01-0407-001**, *Sample Receipt Inspection*, and **TAP-01-0407-035**, *Organic and Inorganic Sample Security*.

4.7.10 Samples supplied to SwRI for testing shall be labeled with the following:

(a) Sample control number;

(b) Purchase order number;

(c) Purchase order line item number, as applicable;

(d) Task order number;

(e) Nuclear QA label; and

(f) Sample retention date, when applicable.

4.7.11 In the event that samples are damaged upon receipt, a ***Sample Discrepancy Record*** shall be generated from the Division Intranet.

4.7.12 The testing task order shall list the project number, tests required, test methods required, and shall be labeled *Nuclear Quality*.

4.7.13 Identification and traceability shall be maintained in accordance with **SOP-01-7.5.1**, *Item Identification and Traceability*.

4.8 Inspection

4.8.1 Inspection for acceptance shall be performed by qualified persons other than those who conduct or directly supervise the work being inspected.

4.8.2 Institute Quality System (IQS) personnel shall perform surveillance activities as required to ensure compliance with the contract and this Quality Project Plan. Specific areas in which IQS may perform surveillance activities include, but are not limited to, the following:

(a) Receiving inspection and labeling of chemical reagents, standards, and testing samples;

(b) Testing processes;

(c) Calibration and major equipment;

(d) Sample and record retention; and

(e) Test records.

4.9 Inspection and Testing

4.9.1 Required tests for acceptance shall be conducted under appropriate environmental conditions using the tools and equipment necessary to conduct the test in a manner to fulfill test requirements and acceptance criteria.

4.9.2 Tests shall be conducted, controlled, and verified in accordance with **SOP-01-8.2.4**, *Monitoring and Measurement.*

4.9.3 Controls for measuring and test equipment shall be as specified in **SOP-01-7.6.1**, *Control of Measuring and Test Equipment.*

4.9.4 Controls for identification, segregation, reporting, and resolution of nonconforming items and conditions shall be as specified in **SOP-01-8.3.1**, *Nonconformance Reporting.*

4.10 Handling, Storage, Packaging, Preservation, and Delivery

4.10.1 Controls for handling, storage, packaging, preservation, and delivery of items are identified in **SOP-01-7.5.3**, *Handling, Storage, Packaging, Protection, and Delivery of Items.*

4.10.2 Samples specified on the purchase order to be returned to the client shall be prepared and packaged as specified on the purchase order. Each package shall be marked legibly and indelibly with the purchase order/release number and line item number(s) relevant to the package.

4.11 Quality Assurance Records

4.11.1 Quality assurance records shall furnish documentary evidence that items or activities meet specified quality requirements. Documents that ensure this evidence include **TAP-01-0407-014**, *Inventory of Case File Purges*, and **SOP-01-4.2.4**, *Storage and Maintenance of Quality Records*. These documents and this QPP ensure that QA records shall be legible, identifiable, retrievable, and maintained in dual storage.

4.11.2 Records shall be traceable to associated items and activities and shall accurately reflect the work accomplished or information required.

4.11.3 Documents shall be considered valid records only if stamped, initialed or signed and dated by authorized personnel or otherwise authenticated.

4.11.4 Records of test analyses performed by the Department of Analytical and Environmental Chemistry are classified as *nonpermanent* and shall be retained for a minimum of five years. Nonpermanent records are those required to show evidence that an activity was performed in accordance with the applicable requirements, but need not be retained for the life of the item. Based on the use of the final data, the client shall be responsible for determining and implementing permanent storage requirements.

4.11.5 In order to satisfy duplicate storage requirements, one copy of the QA record shall maintained by the Project Manager in Building 70 and a separate copy shall be maintained in the Division Quality Assurance Archives in Building 201. Storage requirements shall be as stated in **SOP-01-4.2.4**, *Storage and Maintenance of Quality Records*, to ensure protection against the risk of damage or destruction.

4.12 10 CFR, Part 21

4.12.1 SwRI procurement documents shall include requirements for reporting and approving disposition of supplier nonconformances and, when required, compliance to 10 CFR, Part 21.

4.12.2 The Manager of Institute Quality Assurance or Director of Institute Quality Systems shall determine if a nonconforming condition is reportable under 10 CFR, Part 21, and initiate reporting and condition in accordance with the SwRI Operating Policies and Procedures (OPP). Safety hazards or defects that could create a substantial safety hazard shall be reported. Substantial safety hazard means a loss of safety function to the extent that there is a major reduction in the degree of protection provided to public health and safety.

4.13 Certified Test Report

The Project Manager, Division 01 QA Manager, and IQS Managemet as complying with all contractual requirements shall certify test reports. The certified test report shall reference the purchase order/release number, the test methods performed, and the purchase order/release line item number.

4.14 Valid Documents List

The Department of Analytical and Environmental Chemistry task order shall specify all applicable documents and appropriate document revision level for each document. The task order shall then serve as the Valid Documents List (VDL) for each individual project.

5.0 HISTORY OF REVISIONS

Versions 0 through 3 of this plan are maintained on record in Division 01 Quality Assurance.

Revision 4
Title of document changed from the Standard Project Quality Plan *SPQP-CH/AN* to Quality Project Plan, *QPP-015*
Extensive revision to comply with Project Quality Plan PQP-Nuclear, *Nuclear Services*, which replaces SwRI NQAPM, *Nuclear Quality Assurance Program Manual.*

Revision 5
Revised 4.1.1 to include designated Division 01 QA staff to conduct pertinent nuclear training sessions to the SwRI Program Quality Plan (PQP-Nuclear), *Nuclear Services*
Revised step 4.2.4 to include Division QA as an entity along with IQS, to maintain documented evidence of qualifications.

Revision 6
Revised 4.13 to include "Division 01 QA Manager" for the minimum approval signatures for test procedures for nuclear utility final test reports and to replace "Institute Quality Assurance" with "IQS Management"

ORGANICS

Southwest Research Institute

PERSONNEL SIGNATURE SHEET FOR PLANS

010024

I have read, and understand the document listed below. By affixing my signature below, I am aware that I am responsible for abiding by and following the requirements identified in the plan specified below. If I become aware of any deviations from this document, I will inform my supervisor.

Doc Number, Title, and (Rev No/Year): **QPP-015, Performance of Chemical Analyses for Commercial Nuclear Power Plants within the Department of Analytical & Environmental Chemistry (Rev 6/July 06)**

Printed Name	Signature	Date	Tel Extension
Jenny Zhang		9/28/06	2759
Pamela Piccin		9/28/06	2167
Jason D. Herrera		9/28/06	2186
William L. Barclay Jr.		9/28/2006	9527

Supervisor's/Manager's Signatures

The Personnel whose signatures appear above have been trained and certified in the contents of the document identified above:

Printed Name	Signature	Date	Tel Extension

METALS / METCHEM / RAL

Southwest Research Institute

010025

PERSONNEL SIGNATURE SHEET FOR PLANS

I have read, and understand the document listed below. By affixing my signature below, I am aware that I am responsible for abiding by and following the requirements identified in the plan specified below. If I become aware of any deviations from this document, I will inform my supervisor.

Doc Number, Title, and (Rev No/Year): **QPP-015, Performance of Chemical Analyses for Commercial Nulcar Power Plants within the Dept of Analytical and Environmental Chemistry (Rev 6/July 06)**

Printed Name	Signature	Date	Tel Extension
Valerie DeJesus	Valerie DeJesus	07/20/06	3129
Warren A. Naegeli	Warren A. Naegeli	07/20/06	6079
Carolina Orduna	Carolina Orduña	7/20/06	3146
Darwin Harris		7-20-06	3423
Jackie Ranger	J Ranger	7/20/06	3320
James Yoho	James Yoho	07/20/06	8878
Bernie Villasenor	B Villasenor	7/20/06	2702
Radonna Spies	R Spies	7/20/06	3242

Supervisor's/Manager's Signatures

The Personnel whose signatures appear above have been trained and certified in the contents of the document identified above:

Printed Name	Signature	Date	Tel Extension

Southwest Research Institute

010026

PERSONNEL SIGNATURE SHEET FOR PLANS

I have read, and understand the document listed below. By affixing my signature below, I am aware that I am responsible for abiding by and following the requirements identified in the plan specified below. If I become aware of any deviations from this document, I will inform my supervisor.

Doc Number, Title, and (Rev No/Year): **QPP-015, Performance of Chemical Analyses for Commercial Nulcar Power Plants within the Dept of Analytical and Environmental Chemistry (Rev 6/July 06)**

Printed Name	Signature	Date	Tel Extension
DAVID A PINEDA		7.13.2006	2776
Marissa A. Rodriguez		7/13/06	2476
Roger Presas		7/13/06	3682
Cynthia A. Sanchez		7-13-06	5896

Supervisor's/Manager's Signatures

The Personnel whose signatures appear above have been trained and certified in the contents of the document identified above:

Printed Name	Signature	Date	Tel Extension
JoAnn Boyd		07/13/06	2169

INORG/METALS/RAD

Southwest Research Institute

PERSONNEL SIGNATURE SHEET FOR PLANS

010027

I have read, and understand the document listed below. By affixing my signature below, I am aware that I am responsible for abiding by and following the requirements identified in the plan specified below. If I become aware of any deviations from this document, I will inform my supervisor.

Doc Number, Title, and (Rev No/Year): **QPP-015, Performance of Chemical Analyses for Commercial Nuclear Power Plants within the Department of Analytical & Environmental Chemistry (Rev 6/July 06)**

Printed Name	Signature	Date	Tel Extension
Radonna Spies	RSpies	9/26/06	3242
Bonnie J. Ilasenor		10/2/06	2702
[illegible]		10-2-06	3423
Carolina Ordiña	Cordiña	10/2/04	3146
Jackie Ranger	JRanger	10/2/06	3320
Terence O'Brien	Terence O'Brien	10/2/06	x3066
Daniel Ramirez	Dramirez	10/2/06	3867
Jennifer Willis	Jennifer Willis	10/2/06	3129
John Wilkes	John Wilkes	10-2-06	KE ~~V-01-3556~~ 5046
Jose Cardenas		10-3-06	10/5/06 ~~V-01-3079~~ 5046
Khaled Edrisi	KEdrisi	10-3-06	5046
James Ison		10/03/06	5897
Warren A. Naegeli	Warren A. Naegeli	10/03/06	11723

JR 10/6/06

Supervisor's/Manager's Signatures

The Personnel whose signatures appear above have been trained and certified in the contents of the document identified above:

Printed Name	Signature	Date	Tel Extension
Mike Damm		10-6-06	5728

TSG

Southwest Research Institute

PERSONNEL SIGNATURE SHEET FOR PLANS

010028

I have read, and understand the document listed below. By affixing my signature below, I am aware that I am responsible for abiding by and following the requirements identified in the plan specified below. If I become aware of any deviations from this document, I will inform my supervisor.

Doc Number, Title, and (Rev No/Year): **QPP-015, Performance of Chemical Analyses for Commercial Nulcar Power Plants within the Dept of Analytical and Environmental Chemistry (Rev 6/July 06)**

Printed Name	Signature	Date	Tel Extension
ALICE YAU	Alice Yau	07/13/06	5042
RUDY BALDERAZ	Rudy Balderaz	07/13/06	3920
Michelle Zuniga	Michelle Zuniga	7/13/06	6891
DAVID CAMANN	David Camann	7-17-06	2673
GANG SUN		7/19/06	3914
Jackie Clothier	Jackie Clothier	7/19/06	5165
KEVIN SHANNON	Kevin Shannon	8/7/06	x3041

Supervisor's/Manager's Signatures

The Personnel whose signatures appear above have been trained and certified in the contents of the document identified above.

Printed Name	Signature	Date	Tel Extension
Lorraine Schelle	Lorraine Schelle	7/13/06	2182

EXTRACTION

Southwest Research Institute

PERSONNEL SIGNATURE SHEET FOR PLANS

010029

I have read, and understand the document listed below. By affixing my signature below, I am aware that I am responsible for abiding by and following the requirements identified in the plan specified below. If I become aware of any deviations from this document, I will inform my supervisor.

Doc Number, Title, and (Rev No/Year): QPP-015, Performance of Chemical Analyses for Commercial Nuclear Power Plants within the Department of Analytical & Environmental Chemistry (Rev 6/July 06)

Printed Name	Signature	Date	Tel Extension
Tim Cusmano	Tim Cusmano	9-27-06	5335
Anna Miller	A Miller	9-27-06	5335
Susana Gonzalez	Susana Gonzalez	10-10-06	3073
Carter Copeland	Carter Copeland	10-11-06	5961
Elena Shayakhmetova	Elena Shayakhmetova	10-11-06	5335
Ronald Douglas		10/11/06	5335
Aaryn Gray	Aaryn S Gray	10-11-06	5335
Hamed Edrisi		10/11/06	5931

Supervisor's/Manager's Signatures

The Personnel whose signatures appear above have been trained and certified in the contents of the document identified above:

Printed Name	Signature	Date	Tel Extension

010030

SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 080114-6
SRR: 31907
SDG: 316507
CASE: CNWRA
VTSR: January 10, 2008
PROJECT#: 14002.01.171

Chain of Custody/Login Paperwork

SAMPLE LIST/CHAIN OF CUSTODY

Southwest Research Institute®
Chemistry and Chemical Engineering Division
6220 Culebra Road
San Antonio, Texas 78238-5166

Shipper Name/ Address:

Client: Div 20 CNWRA
Tood Mintz

Client Purchase Order/Other ID:

Site/Zone ID:

Requested Turnaround:
- ☐ 2 Weeks
- ☑ 3 Weeks
- ☐ Other: Jackie Tinker

SwRI Contact: Tood Mintz x 5282

Analyses Requested

Sample ID	Sample Collection Date (mm/dd/yy)	Sample Collection Time	Matrix Type	Sample Type	# of Containers	Complete ICP Analysis - see Additional sheet					QA Nuclear			
Drift A	11/19/07	10:AM	L		1	✓								
Chamber 1A						✓								
Chamber 2A						✓								
Chamber 3A						✓								
Chamber 4A						✓								

REMARKS
Preservation
- **a** = HCl to pH <2
- **b** = HNO_3 to pH <2
- **c** = H_2SO_4 to pH <2
- **d** = NaOH to pH >12
- **e** = Cool (4°C±2°C)
- **f** = Other (specify)

Matrix Types:
- **A** – Air
- **B** – Biota
- **D** - Dust
- **E** – Emission/Stack
- **L** - Liquid
- **P** – Product
- **Sd** - Solid
- **S** – Soil
- **SED** – Sediment
- **T** - Tissue
- **W** - Water
- **WP** - Wipe

Sample Types:
- **D** - Duplicate
- **ER** – Equipment Rinsate
- **ES** – Environmental Sample
- **FB** – Field Blank
- **FD** – Field Duplicate
- **MS** – Matrix Spike
- **MSD** – Matrix Spike Dup
- **TB** – Trip Blank

Temp: 22.6 Therm #: 027

Comments:

	Date	Time
Relinquished by (Print/Signature): Brian K. Derby /	1/10/08	9:20
Received by (Print/Signature):		
Relinquished by (Print/Signature):		
Received by (Print/Signature):		
Relinquished by (Print/Signature):		

SwRI Project#: 20.14002.01.171

Received by SwRI Lab: (Signature)

Date: 1/10/8 Time: 9:30

Samples Disposed: Date / Time

Samples Disposed by:

130010

Client: Division 20
SRR # 31907
Project # 14002.01.171
Case: T Mintz
VTSR: 01/10/08
Sample(s) Received Intact
Temperature: 22.0°C/#027

FORM FOR REQUESTING WORK FROM OTHER DIVISIONS 32

A. TO BE COMPLETED BY DIVISION 20 PERSONNEL

Requester: Tood Mintz **Request Date:** 1/10/08
Project No.: 20.14002.01.171 **Phone No.:** x 5282
Description of Work Requested: Complete ICP Analysis

☐ Optical Microscopy ☐ SEM ☐ Hardness ☐ Profilometer ☐ Auger ☐ Other

QUALITY REQUIREMENTS: ***The work requested is governed by the CNWRA Quality Assurance Program which addresses requirements of 10CFR50, Appendix B. Personnel performing this work shall be qualified under the CNWRA QA program or equivalently under the SwRI Nuclear QA program. Test and analysis methods shall be documented by approved procedures or recognized, standard methods. Measuring and test equipment shall be calibrated and controlled according to CNWRA and SwRI Nuclear QA program requirements.***

Sample Identification	Description
Deift Solution A	DI H_2O · flow thru Sand
Chamber 1 A	
Chamber 2 A	
Chamber 3 A	
Chamber 4A	

B. TO BE COMPLETED BY DIVISION PERFORMING WORK[1]

☐ Optical Microscopy ☐ SEM ☐ Hardness ☐ Profilometer ☐ Auger ☐ Other

Person Assigned: _____ **Signature:** _____
Division: _____ **Date:** _____

Make, Model & Serial No. of Equipment Used (*attach list if necessary*)**:** _____

Software Used (If any): _____

Standards Used (If any): _____

Photographic Negative Numbers (If Applicable): _____

1-10-8
9:20

Client: Division 20
SRR # 31907
Project # 14002.01.171
Case: T Mintz
VTSR: 01/10/08
Sample(s) Received Intact
Temperature: 22.0°C/#027

[1] Please sign and date any hardcopy of analysis or list of photographs (The photographs themselves need not be signed). If error occurred during entry, do not erase or overwrite, but strikeout with single line, initial and date, and then reenter correct information.

SAMPLE LOG-IN SHEET

010038

Lab Name: Southwest Research Institute	Page 1 of 1
Received By (Print Name): EMILIO GAMEZ	Log-in Date: 01/10/2008
Received By (Signature)	

Case Number: T Mintz	Sample Delivery Group No.	SAS Number

Remarks: 14002.01.171

		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc
1.	Custody Seal(s) — Present/Absent* Intact/Broken	Chamber 1A	None	316507	Intact
2.	Custody Seal Nos.	Chamber 2A	None	316508	Intact
		Chamber 3A	None	316509	Intact
3.	Chain-of Custody Records — (Present)/Absent*	Chamber 4A	None	316510	Intact
4.	Traffic Reports or Packing Lists — Present/(Absent)*	Drift A	None	316511	Intact
5.	Airbill — Airbill/Sticker (Present)/Absent*				
6.	Airbill No. — HAND CARRIED				
7.	Sample Tags — Present/(Absent)*				
	Sample Tag Numbers — (Listed)/Not listed on Chain of Custody				
8.	Sample Condition — Intact/Broken*/Leaking				
9.	Cooler Temperature — 22.0C				
10.	Does Information on custody records, traffic reports, and sample tags agree? — (Yes)/No*				
11.	Date Received at Lab — 01/10/2008				
12.	Time Received — 09:20:00				

Sample Transfer	
Fraction	Fraction
Area #	Area #
By EMILIO GAMEZ	By
On 01/10/2008	On

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. Sample Receipt (31907)
Date	Logbook Page No. 6408

010034

SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 080114-6
SRR: 31907
SDG: 316507
CASE: CNWRA
VTSR: January 10, 2008
PROJECT#: 14002.01.171

Copies of Login Book

Sample Login Book

Jan 10, 2008

010035

SwRI Login Area
Division 1

Sample Receipt: 31903	Project: R9730.01.001	Client: SwRI-Advisory Co
VTSR Date: Jan 08, 2008	VTSR Time: 15:45:00	Manager: FAW, AMBER

System ID	Customer Sample ID	Matrix
316483	Ceiling Sample	Ceiling Pane

Sample Receipt: 31904	Project: 11543.56.00X	Client: CH2M-WG Idaho (C
VTSR Date: Jan 10, 2008	VTSR Time: 08:30:00	Manager: DAMMANN, MIKE

System ID	Customer Sample ID	Matrix
316485	CPP7690 10908CA1	WasteWater
316486	CPP7730 10908CB1	WasteWater
316487	CPP7970 10908CA1	WasteWater

Sample Receipt: 31905	Project: 13537.01.103	Client: Hughes Associate
VTSR Date: Jan 03, 2008	VTSR Time: 10:00:00	Manager: ALVAREZ, ARTURO

System ID	Customer Sample ID	Matrix
316488	Aluminum Skinned Foam Panels	Al Panels

Sample Receipt: 31906	Project: 13589.02.00X	Client: Paducah Remediat
VTSR Date: Jan 10, 2008	VTSR Time: 08:30:00	Manager: DAMMANN, MIKE

System ID	Customer Sample ID	Matrix
316491	QK0151-08	WS
316492	TBQK0151-08	Water

Sample Receipt: 31907	Project: 14002.01.171	Client: DIVISION 20
VTSR Date: Jan 10, 2008	VTSR Time: 09:20:00	Manager: RANGER, JACKIE

System ID	Customer Sample ID	Matrix
316507	Chamber 1A	Liquid
316508	Chamber 2A	Liquid

Sample Login Book

Jan 10, 2008

010036

SwRI Login Area
Division 1

Sample Receipt: 31907	Project: 14002.01.171	Client: DIVISION 20
VTSR Date: Jan 10, 2008	VTSR Time: 09:20:00	Manager: RANGER, JACKIE

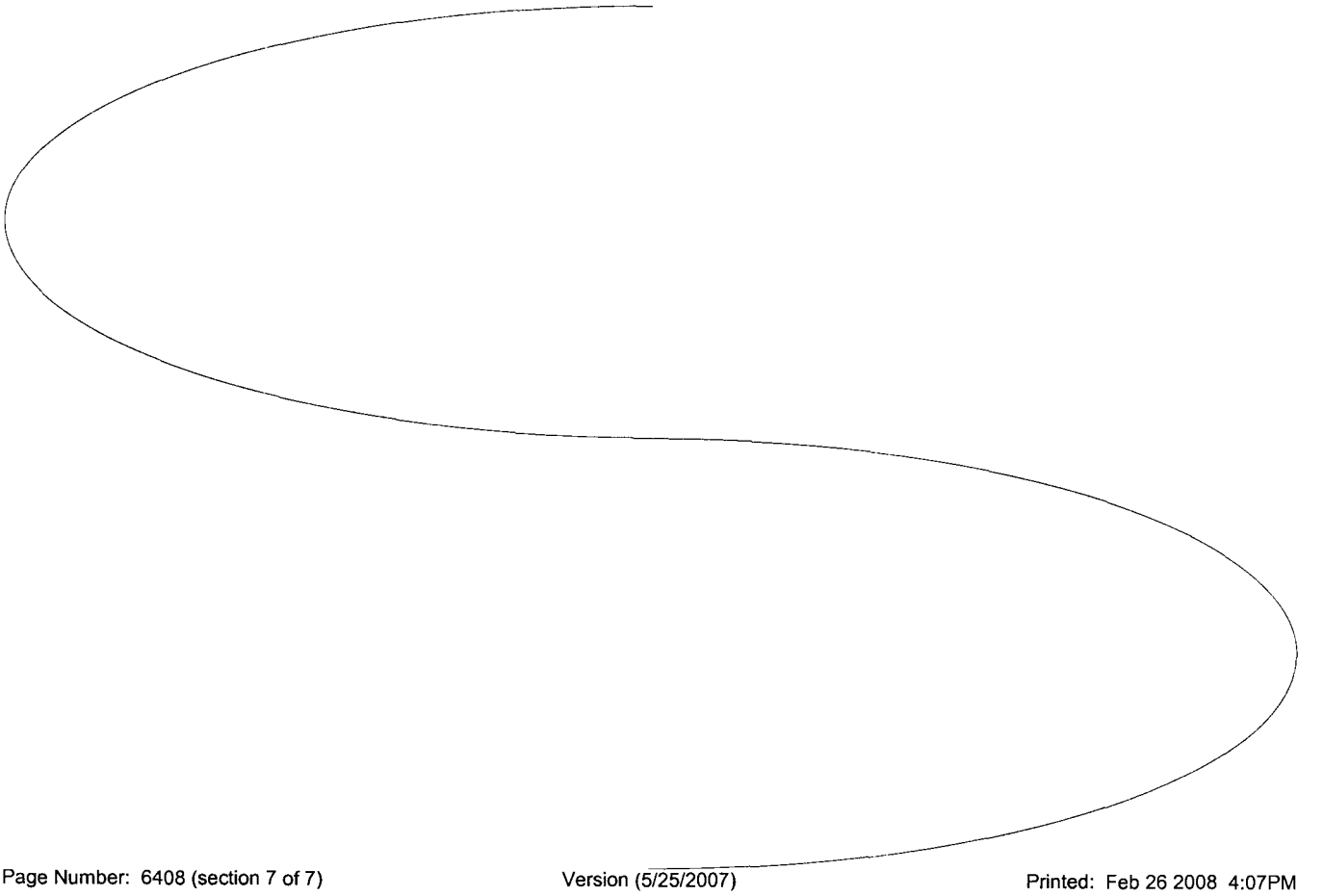
System ID	Customer Sample ID	Matrix
316509	Chamber 3A	Liquid
316510	Chamber 4A	Liquid
316511	Drift A	Liquid

Sample Receipt: 31908	Project: 11427.09.00X	Client: Materials & Ener
VTSR Date: Jan 10, 2008	VTSR Time: 09:20:00	Manager: QUARDERER, SHRADDHA

System ID	Customer Sample ID	Matrix
316512	Ports FTG-1	Solid
316513	Ports FTG-2	Solid
316514	Ports FTG-3	Org Liq

Number of samples for today: 146

Number of Containers for today: 217



010037

SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 080114-6
SRR: 31907
SDG: 316507
CASE: CNWRA
VTSR: January 10, 2008
PROJECT#: 14002.01.171

RAW DATA

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to#080114-6
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pg 70 184

10038

2-14-08

Sample 2/12/08

316507 for Ca

$$\frac{0.82493\ \mu g/ml \times 15\ ml}{1.5\ ml} = 8.25\ \frac{mg}{L}$$

Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
PBW-A31H1	Ag3280	0.0500	U		mg/L	0.05				0.005	0.0049	0.0049	1	0.05	0.00049	01/31/08	15:33
PBW-A31H1	Al3082	1.00	U		mg/L	1				0.1	0.3698	0.37	1	1	0.03698	01/31/08	15:33
PBW-A31H1	As1890	0.100	U		mg/L	0.1				0.01	0.0217	0.0217	1	0.1	0.00217	01/31/08	15:33
PBW-A31H1	B_2496	0.200	U		mg/L	0.2				0.02	0.0773	0.0773	1	0.2	0.00773	01/31/08	15:33
PBW-A31H1	Ba4934	0.0500	U		mg/L	0.05				0.005	0.0012	0.0012	1	0.05	0.00012	01/31/08	15:33
PBW-A31H1	Be3130	0.0500	U		mg/L	0.05				0.005	0.0001	0.0001	1	0.05	0.00001	01/31/08	15:33
PBW-A31H1	Bi2230	0.200	U		mg/L	0.2				0.02	0.0835	0.0835	1	0.2	0.00835	01/31/08	15:33
PBW-A31H1	Ca3179	0.500	U		mg/L	0.5				0.05	0.0203	0.0203	1	0.5	0.00203	01/31/08	15:33
PBW-A31H1	Cd2265	0.0500	U		mg/L	0.05				0.005	0.0016	0.0016	1	0.05	0.00016	01/31/08	15:33
PBW-A31H1	Co2286	0.0500	U		mg/L	0.05				0.005	0.0235	0.0235	1	0.05	0.00235	01/31/08	15:33
PBW-A31H1	Cr2677	0.0500	U		mg/L	0.05				0.005	0.0048	0.0048	1	0.05	0.00048	01/31/08	15:33
PBW-A31H1	Cu3247	0.0500	U		mg/L	0.05				0.005	0.0084	0.0084	1	0.05	0.00084	01/31/08	15:33
PBW-A31H1	K_7664	2.00	U		mg/L	2				0.2	-0.2395	-0.24	1	2	-0.02395	01/31/08	15:33
PBW-A31H1	La3988	0.0500	U		mg/L	0.05				0.005	0.0121	0.0121	1	0.05	0.00121	01/31/08	15:33
PBW-A31H1	Li6707	0.100	U		mg/L	0.1				0.01	0.0006	0.0006	1	0.1	0.00006	01/31/08	15:33
PBW-A31H1	Mg2790	0.500	U		mg/L	0.5				0.05	0.0851	0.0851	1	0.5	0.00851	01/31/08	15:33
PBW-A31H1	Mn2576	0.0500	U		mg/L	0.05				0.005	0.0011	0.0011	1	0.05	0.00011	01/31/08	15:33
PBW-A31H1	Mo2020	0.0500	U		mg/L	0.05				0.005	0.0024	0.0024	1	0.05	0.00024	01/31/08	15:33
PBW-A31H1	Ni2316	0.0500	U		mg/L	0.05				0.005	-0.0012	-0.0012	1	0.05	-0.00012	01/31/08	15:33
PBW-A31H1	P_1782	0.200	U		mg/L	0.2				0.02	0.0599	0.0599	1	0.2	0.00599	01/31/08	15:33
PBW-A31H1	Pd3404	0.200	U		mg/L	0.2				0.02	-0.0445	-0.0445	1	0.2	-0.00445	01/31/08	15:33
PBW-A31H1	Sb2068	0.100	U		mg/L	0.1				0.01	0.0365	0.0365	1	0.1	0.00365	01/31/08	15:33
PBW-A31H1	Si2881	0.250	U		mg/L	0.25				0.025	0.0375	0.0375	1	0.25	0.00375	01/31/08	15:33
PBW-A31H1	Pb220	0.0500	U		mg/L	0.05				0.005	0.0073	0.0073	1	0.05	0.00073	01/31/08	15:33
PBW-A31H1	Se196	0.100	U		mg/L	0.1				0.01	0.0312	0.0312	1	0.1	0.00312	01/31/08	15:33
PBW-A31H1	Sn1899	0.0500	U		mg/L	0.05				0.005	0.0025	0.0025	1	0.05	0.00025	01/31/08	15:33
PBW-A31H1	Sr4215	0.0500	U		mg/L	0.05				0.005	0.0006	0.0006	1	0.05	0.00006	01/31/08	15:33
PBW-A31H1	Ti3349	0.0500	U		mg/L	0.05				0.005	0.0013	0.0013	1	0.05	0.00013	01/31/08	15:33
PBW-A31H1	Tl1908	0.100	U		mg/L	0.1				0.01	-0.0096	-0.0096	1	0.1	-0.00096	01/31/08	15:33
PBW-A31H1	U_4090	1.50	U		mg/L	1.5				0.15	0.4534	0.453	1	1.5	0.04534	01/31/08	15:33
PBW-A31H1	V_2924	0.0500	U		mg/L	0.05				0.005	0.0087	0.0087	1	0.05	0.00087	01/31/08	15:33
PBW-A31H1	W_2079	0.100	U		mg/L	0.1				0.01	0.0181	0.0181	1	0.1	0.00181	01/31/08	15:33
PBW-A31H1	Y_3710	0.0500	U		mg/L	0.05				0.005	0.0009	0.0009	1	0.05	0.00009	01/31/08	15:33
PBW-A31H1	Zn2062	0.0500	U		mg/L	0.05				0.005	0.0029	0.0029	1	0.05	0.00029	01/31/08	15:33
PBW-A31H1	Zr3496	0.0500	U		mg/L	0.05				0.005	0.0123	0.0123	1	0.05	0.00123	01/31/08	15:33
LCSW-A31H1	Ag3280	0.0491			mg/L	0.005		98.2%	0.05	0.005	0.04913	0.0491	1	0.005	0.04913	01/31/08	15:37
LCSW-A31H1	Al3082	1.98			mg/L	0.1		99.0%	2	0.1	1.98114	1.98	1	0.1	1.98114	01/31/08	15:37
LCSW-A31H1	As1890	2.03			mg/L	0.01		101.5%	2	0.01	2.03224	2.03	1	0.01	2.03224	01/31/08	15:37
LCSW-A31H1	B_2496	0.0200	U		mg/L	0.02			0	0.02	0.00354	0.00354	1	0.02	0.00354	01/31/08	15:37
LCSW-A31H1	Ba4934	2.01			mg/L	0.005		100.5%	2	0.005	2.00574	2.01	1	0.005	2.00574	01/31/08	15:37
LCSW-A31H1	Be3130	0.0503			mg/L	0.005		100.6%	0.05	0.005	0.05028	0.0503	1	0.005	0.05028	01/31/08	15:37

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Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
LCSW-A31H1	Bi2230	0.0200	U		mg/L	0.02			0	0.02	0.00637	0.00637	1	0.02	0.00637	01/31/08	15:37
LCSW-A31H1	Ca3179	21.2			mg/L	0.05		106.0%	20	0.05	21.19362	21.2	1	0.05	21.19362	01/31/08	15:37
LCSW-A31H1	Cd2265	0.0484			mg/L	0.005		96.8%	0.05	0.005	0.04837	0.0484	1	0.005	0.04837	01/31/08	15:37
LCSW-A31H1	Co2286	0.491			mg/L	0.005		98.2%	0.5	0.005	0.49082	0.491	1	0.005	0.49082	01/31/08	15:37
LCSW-A31H1	Cr2677	0.194			mg/L	0.005		97.0%	0.2	0.005	0.19428	0.194	1	0.005	0.19428	01/31/08	15:37
LCSW-A31H1	Cu3247	0.246			mg/L	0.005		98.4%	0.25	0.005	0.24573	0.246	1	0.005	0.24573	01/31/08	15:37
LCSW-A31H1	K_7664	18.9			mg/L	0.2		94.5%	20	0.2	18.92043	18.9	1	0.2	18.92043	01/31/08	15:37
LCSW-A31H1	La3988	0.00500	U		mg/L	0.005			0	0.005	0.00037	0.00037	1	0.005	0.00037	01/31/08	15:37
LCSW-A31H1	Li6707	4.00			mg/L	0.01		100.0%	4	0.01	3.99726	4	1	0.01	3.99726	01/31/08	15:37
LCSW-A31H1	Mg2790	21.3			mg/L	0.05		106.5%	20	0.05	21.33453	21.3	1	0.05	21.33453	01/31/08	15:37
LCSW-A31H1	Mn2576	0.493			mg/L	0.005		98.6%	0.5	0.005	0.49265	0.493	1	0.005	0.49265	01/31/08	15:37
LCSW-A31H1	Mo2020	0.00500	U		mg/L	0.005			0	0.005	0.00059	0.00059	1	0.005	0.00059	01/31/08	15:37
LCSW-A31H1	Ni2316	0.491			mg/L	0.005		98.2%	0.5	0.005	0.49119	0.491	1	0.005	0.49119	01/31/08	15:37
LCSW-A31H1	P_1782	0.0200	U		mg/L	0.02			0	0.02	0.01002	0.01	1	0.02	0.01002	01/31/08	15:37
LCSW-A31H1	Pd3404	0.0200	U		mg/L	0.02			0	0.02	0.00184	0.00184	1	0.02	0.00184	01/31/08	15:37
LCSW-A31H1	Sb2068	0.504			mg/L	0.01		100.8%	0.5	0.01	0.50367	0.504	1	0.01	0.50367	01/31/08	15:37
LCSW-A31H1	Si2881	0.0250	U		mg/L	0.025			0	0.025	0.01253	0.0125	1	0.025	0.01253	01/31/08	15:37
LCSW-A31H1	Pb220	0.490			mg/L	0.005		98.0%	0.5	0.005	0.48998	0.49	1	0.005	0.48998	01/31/08	15:37
LCSW-A31H1	Se196	2.10			mg/L	0.01		105.0%	2	0.01	2.09963	2.1	1	0.01	2.09963	01/31/08	15:37
LCSW-A31H1	Sn1899	0.00500	U		mg/L	0.005			0	0.005	0.00063	0.00063	1	0.005	0.00063	01/31/08	15:37
LCSW-A31H1	Sr4215	0.00500	U		mg/L	0.005			0	0.005	0.00042	0.00042	1	0.005	0.00042	01/31/08	15:37
LCSW-A31H1	Ti3349	0.00500	U		mg/L	0.005			0	0.005	-0.00005	-0.00005	1	0.005	-0.00005	01/31/08	15:37
LCSW-A31H1	Tl1908	2.06			mg/L	0.01		103.0%	2	0.01	2.06102	2.06	1	0.01	2.06102	01/31/08	15:37
LCSW-A31H1	U_4090	0.150	U		mg/L	0.15			0	0.15	-0.00259	-0.00259	1	0.15	-0.00259	01/31/08	15:37
LCSW-A31H1	V_2924	0.480			mg/L	0.005		96.0%	0.5	0.005	0.48027	0.48	1	0.005	0.48027	01/31/08	15:37
LCSW-A31H1	W_2079	0.0100	U		mg/L	0.01			0	0.01	-0.00227	-0.00227	1	0.01	-0.00227	01/31/08	15:37
LCSW-A31H1	Y_3710	0.00500	U		mg/L	0.005			0	0.005	-0.00031	-0.00031	1	0.005	-0.00031	01/31/08	15:37
LCSW-A31H1	Zn2062	0.484			mg/L	0.005		96.8%	0.5	0.005	0.48429	0.484	1	0.005	0.48429	01/31/08	15:37
LCSW-A31H1	Zr3496	0.00500	U		mg/L	0.005			0	0.005	0.00199	0.00199	1	0.005	0.00199	01/31/08	15:37
316507	Ag3280	0.0500	U		mg/L	0.05				0.005	0.016	0.016	1	0.05	0.0016	01/31/08	15:42
316507	Al3082	1.00	U		mg/L	1				0.1	0.1544	0.154	1	1	0.01544	01/31/08	15:42
316507	As1890	0.100	U		mg/L	0.1				0.01	-0.0007	-0.0007	1	0.1	-0.00007	01/31/08	15:42
316507	B_2496	4.91			mg/L	0.2				0.02	4.9075	4.91	1	0.2	0.49075	01/31/08	15:42
316507	Ba4934	0.0500	U		mg/L	0.05				0.005	0.0065	0.0065	1	0.05	0.00065	01/31/08	15:42
316507	Be3130	0.0500	U		mg/L	0.05				0.005	-0.0002	-0.0002	1	0.05	-0.00002	01/31/08	15:42
316507	Bi2230	0.200	U		mg/L	0.2				0.02	0.1302	0.13	1	0.2	0.01302	01/31/08	15:42
316507	Ca3179	8.25			mg/L	0.5				0.05	8.2493	8.25	1	0.5	0.82493	01/31/08	15:42
316507	Cd2265	0.0500	U		mg/L	0.05				0.005	0.0031	0.0031	1	0.05	0.00031	01/31/08	15:42
316507	Co2286	0.0500	U		mg/L	0.05				0.005	0.026	0.026	1	0.05	0.0026	01/31/08	15:42
316507	Cr2677	0.0500	U		mg/L	0.05				0.005	-0.0092	-0.0092	1	0.05	-0.00092	01/31/08	15:42
316507	Cu3247	0.0500	U		mg/L	0.05				0.005	0.0026	0.0026	1	0.05	0.00026	01/31/08	15:42

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Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
316507	K_7664	2.00	U		mg/L	2				0.2	0.1311	0.131	1	2	0.01311	01/31/08	15:42
316507	La3988	0.0500	U		mg/L	0.05				0.005	0.0249	0.0249	1	0.05	0.00249	01/31/08	15:42
316507	Li6707	0.100	U		mg/L	0.1				0.01	0.0018	0.0018	1	0.1	0.00018	01/31/08	15:42
316507	Mg2790	0.500	U		mg/L	0.5				0.05	0.299	0.299	1	0.5	0.0299	01/31/08	15:42
316507	Mn2576	0.0569			mg/L	0.05				0.005	0.0569	0.0569	1	0.05	0.00569	01/31/08	15:42
316507	Mo2020	0.0500	U		mg/L	0.05				0.005	-0.0038	-0.0038	1	0.05	-0.00038	01/31/08	15:42
316507	Ni2316	0.0500	U		mg/L	0.05				0.005	0.0092	0.0092	1	0.05	0.00092	01/31/08	15:42
316507	P_1782	0.200	U		mg/L	0.2				0.02	0.0944	0.0944	1	0.2	0.00944	01/31/08	15:42
316507	Pd3404	0.200	U		mg/L	0.2				0.02	0.0038	0.0038	1	0.2	0.00038	01/31/08	15:42
316507	Sb2068	0.100	U		mg/L	0.1				0.01	0.0058	0.0058	1	0.1	0.00058	01/31/08	15:42
316507	Si2881	54.4			mg/L	0.25				0.025	54.3525	54.4	1	0.25	5.43525	01/31/08	15:42
316507	Pb220	0.0500	U		mg/L	0.05				0.005	0.0036	0.0036	1	0.05	0.00036	01/31/08	15:42
316507	Se196	0.100	U		mg/L	0.1				0.01	-0.0009	-0.0009	1	0.1	-0.00009	01/31/08	15:42
316507	Sn1899	0.0500	U		mg/L	0.05				0.005	0.0142	0.0142	1	0.05	0.00142	01/31/08	15:42
316507	Sr4215	0.0500	U		mg/L	0.05				0.005	0.011	0.011	1	0.05	0.0011	01/31/08	15:42
316507	Ti3349	0.0500	U		mg/L	0.05				0.005	-0.0022	-0.0022	1	0.05	-0.00022	01/31/08	15:42
316507	Tl1908	0.100	U		mg/L	0.1				0.01	0.0023	0.0023	1	0.1	0.00023	01/31/08	15:42
316507	U_4090	1.50	U		mg/L	1.5				0.15	1.0065	1.01	1	1.5	0.10065	01/31/08	15:42
316507	V_2924	0.0500	U		mg/L	0.05				0.005	-0.0064	-0.0064	1	0.05	-0.00064	01/31/08	15:42
316507	W_2079	0.100	U		mg/L	0.1				0.01	0.0118	0.0118	1	0.1	0.00118	01/31/08	15:42
316507	Y_3710	0.0500	U		mg/L	0.05				0.005	-0.0012	-0.0012	1	0.05	-0.00012	01/31/08	15:42
316507	Zn2062	0.0500	U		mg/L	0.05				0.005	0.0325	0.0325	1	0.05	0.00325	01/31/08	15:42
316507	Zr3496	0.0500	U		mg/L	0.05				0.005	0.0022	0.0022	1	0.05	0.00022	01/31/08	15:42
316507D	Ag3280	0.0500	U		mg/L	0.05	0.0%			0.005	-0.0007	-0.0007	1	0.05	-0.00007	01/31/08	15:47
316507D	Al3082	1.00	U		mg/L	1	0.0%			0.1	0.1554	0.155	1	1	0.01554	01/31/08	15:47
316507D	As1890	0.100	U		mg/L	0.1	0.0%			0.01	0.0181	0.0181	1	0.1	0.00181	01/31/08	15:47
316507D	B_2496	4.98			mg/L	0.2	1.4%			0.02	4.9783	4.98	1	0.2	0.49783	01/31/08	15:47
316507D	Ba4934	0.0500	U		mg/L	0.05	0.0%			0.005	0.0068	0.0068	1	0.05	0.00068	01/31/08	15:47
316507D	Be3130	0.0500	U		mg/L	0.05	0.0%			0.005	0.0002	0.0002	1	0.05	0.00002	01/31/08	15:47
316507D	Bi2230	0.200	U		mg/L	0.2	0.0%			0.02	0.0364	0.0364	1	0.2	0.00364	01/31/08	15:47
316507D	Ca3179	8.41			mg/L	0.5	1.9%			0.05	8.4137	8.41	1	0.5	0.84137	01/31/08	15:47
316507D	Cd2265	0.0500	U		mg/L	0.05	0.0%			0.005	0	0	1	0.05	0	01/31/08	15:47
316507D	Co2286	0.0500	U		mg/L	0.05	0.0%			0.005	0.0122	0.0122	1	0.05	0.00122	01/31/08	15:47
316507D	Cr2677	0.0500	U		mg/L	0.05	0.0%			0.005	-0.002	-0.002	1	0.05	-0.0002	01/31/08	15:47
316507D	Cu3247	0.0500	U		mg/L	0.05	0.0%			0.005	0.0025	0.0025	1	0.05	0.00025	01/31/08	15:47
316507D	K_7664	2.00	U		mg/L	2	0.0%			0.2	0.1112	0.111	1	2	0.01112	01/31/08	15:47
316507D	La3988	0.0500	U		mg/L	0.05	0.0%			0.005	-0.0034	-0.0034	1	0.05	-0.00034	01/31/08	15:47
316507D	Li6707	0.100	U		mg/L	0.1	0.0%			0.01	0.0011	0.0011	1	0.1	0.00011	01/31/08	15:47
316507D	Mg2790	0.500	U		mg/L	0.5	0.0%			0.05	0.0951	0.0951	1	0.5	0.00951	01/31/08	15:47
316507D	Mn2576	0.0581			mg/L	0.05	2.1%			0.005	0.0581	0.0581	1	0.05	0.00581	01/31/08	15:47
316507D	Mo2020	0.0500	U		mg/L	0.05	0.0%			0.005	-0.0009	-0.0009	1	0.05	-0.00009	01/31/08	15:47

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0010041

Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
316507D	Ni2316	0.0500	U		mg/L	0.05	0.0%			0.005	-0.0013	-0.0013	1	0.05	-0.00013	01/31/08	15:47
316507D	P_1782	0.200	U		mg/L	0.2	0.0%			0.02	0.099	0.099	1	0.2	0.0099	01/31/08	15:47
316507D	Pd3404	0.200	U		mg/L	0.2	0.0%			0.02	-0.0103	-0.0103	1	0.2	-0.00103	01/31/08	15:47
316507D	Sb2068	0.100	U		mg/L	0.1	0.0%			0.01	-0.0558	-0.0558	1	0.1	-0.00558	01/31/08	15:47
316507D	Si2881	54.8			mg/L	0.25	0.7%			0.025	54.7515	54.8	1	0.25	5.47515	01/31/08	15:47
316507D	Pb220	0.0500	U		mg/L	0.05	0.0%			0.005	0.0223	0.0223	1	0.05	0.00223	01/31/08	15:47
316507D	Se196	0.100	U		mg/L	0.1	0.0%			0.01	0.022	0.022	1	0.1	0.0022	01/31/08	15:47
316507D	Sn1899	0.0500	U		mg/L	0.05	0.0%			0.005	0.0198	0.0198	1	0.05	0.00198	01/31/08	15:47
316507D	Sr4215	0.0500	U		mg/L	0.05	0.0%			0.005	0.0098	0.0098	1	0.05	0.00098	01/31/08	15:47
316507D	Ti3349	0.0500	U		mg/L	0.05	0.0%			0.005	-0.0015	-0.0015	1	0.05	-0.00015	01/31/08	15:47
316507D	Tl1908	0.100	U		mg/L	0.1	0.0%			0.01	-0.001	-0.001	1	0.1	-0.0001	01/31/08	15:47
316507D	U_4090	1.50	U		mg/L	1.5	0.0%			0.15	0.0167	0.0167	1	1.5	0.00167	01/31/08	15:47
316507D	V_2924	0.0500	U		mg/L	0.05	0.0%			0.005	-0.0051	-0.0051	1	0.05	-0.00051	01/31/08	15:47
316507D	W_2079	0.100	U		mg/L	0.1	0.0%			0.01	-0.0024	-0.0024	1	0.1	-0.00024	01/31/08	15:47
316507D	Y_3710	0.0500	U		mg/L	0.05	0.0%			0.005	-0.0014	-0.0014	1	0.05	-0.00014	01/31/08	15:47
316507D	Zn2062	0.0500	U		mg/L	0.05	0.0%			0.005	0.029	0.029	1	0.05	0.0029	01/31/08	15:47
316507D	Zr3496	0.0500	U		mg/L	0.05	0.0%			0.005	-0.0013	-0.0013	1	0.05	-0.00013	01/31/08	15:47
316507S	Ag3280	0.493			mg/L	0.05		98.6%	0.5	0.005	0.4931	0.493	1	0.05	0.04931	01/31/08	15:52
316507S	Al3082	19.6			mg/L	1		98.0%	20	0.1	19.6486	19.6	1	1	1.96486	01/31/08	15:52
316507S	As1890	20.1			mg/L	0.1		100.5%	20	0.01	20.115	20.1	1	0.1	2.0115	01/31/08	15:52
316507S	B_2496	4.95		#DIV/0!	mg/L	0.2		#DIV/0!	0	0.02	4.951	4.95	1	0.2	0.4951	01/31/08	15:52
316507S	Ba4934	19.7			mg/L	0.05		98.5%	20	0.005	19.689	19.7	1	0.05	1.9689	01/31/08	15:52
316507S	Be3130	0.505			mg/L	0.05		101.0%	0.5	0.005	0.5052	0.505	1	0.05	0.05052	01/31/08	15:52
316507S	Bi2230	0.200	U	#DIV/0!	mg/L	0.2		#DIV/0!	0	0.02	0.1168	0.117	1	0.2	0.01168	01/31/08	15:52
316507S	Ca3179	217			mg/L	0.5		104.4%	200	0.05	217.2913	217	1	0.5	21.72913	01/31/08	15:52
316507S	Cd2265	0.484			mg/L	0.05		96.8%	0.5	0.005	0.484	0.484	1	0.05	0.0484	01/31/08	15:52
316507S	Co2286	4.93			mg/L	0.05		98.6%	5	0.005	4.9345	4.93	1	0.05	0.49345	01/31/08	15:52
316507S	Cr2677	1.95			mg/L	0.05		97.5%	2	0.005	1.9478	1.95	1	0.05	0.19478	01/31/08	15:52
316507S	Cu3247	2.40			mg/L	0.05		96.0%	2.5	0.005	2.4033	2.4	1	0.05	0.24033	01/31/08	15:52
316507S	K_7664	180			mg/L	2		90.0%	200	0.2	180.48	180	1	2	18.048	01/31/08	15:52
316507S	La3988	0.0500	U	#DIV/0!	mg/L	0.05		#DIV/0!	0	0.005	0.0131	0.0131	1	0.05	0.00131	01/31/08	15:52
316507S	Li6707	37.9			mg/L	0.1		94.8%	40	0.01	37.8503	37.9	1	0.1	3.78503	01/31/08	15:52
316507S	Mg2790	211			mg/L	0.5		105.5%	200	0.05	210.5084	211	1	0.5	21.05084	01/31/08	15:52
316507S	Mn2576	5.00			mg/L	0.05		98.9%	5	0.005	4.9985	5	1	0.05	0.49985	01/31/08	15:52
316507S	Mo2020	0.0500	U	#DIV/0!	mg/L	0.05		#DIV/0!	0	0.005	-0.0028	-0.0028	1	0.05	-0.00028	01/31/08	15:52
316507S	Ni2316	4.90			mg/L	0.05		98.0%	5	0.005	4.9049	4.9	1	0.05	0.49049	01/31/08	15:52
316507S	P_1782	0.200	U	#DIV/0!	mg/L	0.2		#DIV/0!	0	0.02	0.0401	0.0401	1	0.2	0.00401	01/31/08	15:52
316507S	Pd3404	0.200	U	#DIV/0!	mg/L	0.2		#DIV/0!	0	0.02	-0.0212	-0.0212	1	0.2	-0.00212	01/31/08	15:52
316507S	Sb2068	5.00			mg/L	0.1		100.0%	5	0.01	5.0041	5	1	0.1	0.50041	01/31/08	15:52
316507S	Si2881	84.7		#DIV/0!	mg/L	0.25		#DIV/0!	0	0.025	84.6743	84.7	1	0.25	8.46743	01/31/08	15:52
316507S	Pb220	4.92			mg/L	0.05		98.4%	5	0.005	4.9213	4.92	1	0.05	0.49213	01/31/08	15:52

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Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
316507S	Se196	21.1			mg/L	0.1		105.5%	20	0.01	21.0556	21.1	1	0.1	2.10556	01/31/08	15:52
316507S	Sn1899	0.0500	U	#DIV/0!	mg/L	0.05		#DIV/0!	0	0.005	0.0127	0.0127	1	0.05	0.00127	01/31/08	15:52
316507S	Sr4215	0.0500	U	#DIV/0!	mg/L	0.05		#DIV/0!	0	0.005	0.0137	0.0137	1	0.05	0.00137	01/31/08	15:52
316507S	Ti3349	0.0500	U	#DIV/0!	mg/L	0.05		#DIV/0!	0	0.005	-0.0013	-0.0013	1	0.05	-0.00013	01/31/08	15:52
316507S	Tl1908	20.5			mg/L	0.1		102.5%	20	0.01	20.4629	20.5	1	0.1	2.04629	01/31/08	15:52
316507S	U_4090	1.50	U	#DIV/0!	mg/L	1.5		#DIV/0!	0	0.15	0.4587	0.459	1	1.5	0.04587	01/31/08	15:52
316507S	V_2924	4.79			mg/L	0.05		95.8%	5	0.005	4.786	4.79	1	0.05	0.4786	01/31/08	15:52
316507S	W_2079	0.100	U	#DIV/0!	mg/L	0.1		#DIV/0!	0	0.01	-0.034	-0.034	1	0.1	-0.0034	01/31/08	15:52
316507S	Y_3710	0.0500	U	#DIV/0!	mg/L	0.05		#DIV/0!	0	0.005	-0.0035	-0.0035	1	0.05	-0.00035	01/31/08	15:52
316507S	Zn2062	4.95			mg/L	0.05		99.0%	5	0.005	4.9547	4.95	1	0.05	0.49547	01/31/08	15:52
316507S	Zr3496	0.0500	U	#DIV/0!	mg/L	0.05		#DIV/0!	0	0.005	0.0072	0.0072	1	0.05	0.00072	01/31/08	15:52
316508	Ag3280	0.0500	U		mg/L	0.05				0.005	0.001	0.001	1	0.05	0.0001	01/31/08	15:56
316508	Al3082	1.00	U		mg/L	1				0.1	0.1621	0.162	1	1	0.01621	01/31/08	15:56
316508	As1890	0.100	U		mg/L	0.1				0.01	0.0307	0.0307	1	0.1	0.00307	01/31/08	15:56
316508	B_2496	5.18			mg/L	0.2				0.02	5.1835	5.18	1	0.2	0.51835	01/31/08	15:56
316508	Ba4934	0.0500	U		mg/L	0.05				0.005	0.0001	0.0001	1	0.05	0.00001	01/31/08	15:56
316508	Be3130	0.0500	U		mg/L	0.05				0.005	-0.0001	-0.0001	1	0.05	-0.00001	01/31/08	15:56
316508	Bi2230	0.200	U		mg/L	0.2				0.02	0.0591	0.0591	1	0.2	0.00591	01/31/08	15:56
316508	Ca3179	1.64			mg/L	0.5				0.05	1.6384	1.64	1	0.5	0.16384	01/31/08	15:56
316508	Cd2265	0.0500	U		mg/L	0.05				0.005	0.0013	0.0013	1	0.05	0.00013	01/31/08	15:56
316508	Co2286	0.0500	U		mg/L	0.05				0.005	0.0228	0.0228	1	0.05	0.00228	01/31/08	15:56
316508	Cr2677	0.0500	U		mg/L	0.05				0.005	-0.0084	-0.0084	1	0.05	-0.00084	01/31/08	15:56
316508	Cu3247	0.0500	U		mg/L	0.05				0.005	-0.0013	-0.0013	1	0.05	-0.00013	01/31/08	15:56
316508	K_7664	2.00	U		mg/L	2				0.2	-0.0719	-0.0719	1	2	-0.00719	01/31/08	15:56
316508	La3988	0.0500	U		mg/L	0.05				0.005	0.0042	0.0042	1	0.05	0.00042	01/31/08	15:56
316508	Li6707	0.100	U		mg/L	0.1				0.01	0.0021	0.0021	1	0.1	0.00021	01/31/08	15:56
316508	Mg2790	0.500	U		mg/L	0.5				0.05	0.0534	0.0534	1	0.5	0.00534	01/31/08	15:56
316508	Mn2576	0.0500	U		mg/L	0.05				0.005	0.0001	0.0001	1	0.05	0.00001	01/31/08	15:56
316508	Mo2020	0.0500	U		mg/L	0.05				0.005	-0.0025	-0.0025	1	0.05	-0.00025	01/31/08	15:56
316508	Ni2316	0.0500	U		mg/L	0.05				0.005	-0.0121	-0.0121	1	0.05	-0.00121	01/31/08	15:56
316508	P_1782	0.200	U		mg/L	0.2				0.02	0.0529	0.0529	1	0.2	0.00529	01/31/08	15:56
316508	Pd3404	0.200	U		mg/L	0.2				0.02	-0.0348	-0.0348	1	0.2	-0.00348	01/31/08	15:56
316508	Sb2068	0.100	U		mg/L	0.1				0.01	-0.0323	-0.0323	1	0.1	-0.00323	01/31/08	15:56
316508	Si2881	16.1			mg/L	0.25				0.025	16.1393	16.1	1	0.25	1.61393	01/31/08	15:56
316508	Pb220	0.0500	U		mg/L	0.05				0.005	0.0085	0.0085	1	0.05	0.00085	01/31/08	15:56
316508	Se196	0.100	U		mg/L	0.1				0.01	0.0327	0.0327	1	0.1	0.00327	01/31/08	15:56
316508	Sn1899	0.0500	U		mg/L	0.05				0.005	0.0011	0.0011	1	0.05	0.00011	01/31/08	15:56
316508	Sr4215	0.0500	U		mg/L	0.05				0.005	0.0023	0.0023	1	0.05	0.00023	01/31/08	15:56
316508	Ti3349	0.0500	U		mg/L	0.05				0.005	-0.0016	-0.0016	1	0.05	-0.00016	01/31/08	15:56
316508	Tl1908	0.100	U		mg/L	0.1				0.01	0.0077	0.0077	1	0.1	0.00077	01/31/08	15:56
316508	U_4090	1.50	U		mg/L	1.5				0.15	0.3993	0.399	1	1.5	0.03993	01/31/08	15:56

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Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
316508	V_2924	0.0500	U		mg/L	0.05				0.005	-0.0065	-0.0065	1	0.05	-0.00065	01/31/08	15:56
316508	W_2079	0.100	U		mg/L	0.1				0.01	-0.0098	-0.0098	1	0.1	-0.00098	01/31/08	15:56
316508	Y_3710	0.0500	U		mg/L	0.05				0.005	-0.0011	-0.0011	1	0.05	-0.00011	01/31/08	15:56
316508	Zn2062	0.0500	U		mg/L	0.05				0.005	0.0151	0.0151	1	0.05	0.00151	01/31/08	15:56
316508	Zr3496	0.0500	U		mg/L	0.05				0.005	-0.002	-0.002	1	0.05	-0.0002	01/31/08	15:56
316509	Ag3280	0.0500	U		mg/L	0.05				0.005	-0.0028	-0.0028	1	0.05	-0.00028	01/31/08	16:01
316509	Al3082	1.00	U		mg/L	1				0.1	0.1238	0.124	1	1	0.01238	01/31/08	16:01
316509	As1890	0.100	U		mg/L	0.1				0.01	-0.0026	-0.0026	1	0.1	-0.00026	01/31/08	16:01
316509	B_2496	2.07			mg/L	0.2				0.02	2.065	2.07	1	0.2	0.2065	01/31/08	16:01
316509	Ba4934	0.0500	U		mg/L	0.05				0.005	-0.0001	-0.0001	1	0.05	-0.00001	01/31/08	16:01
316509	Be3130	0.0500	U		mg/L	0.05				0.005	-0.0003	-0.0003	1	0.05	-0.00003	01/31/08	16:01
316509	Bi2230	0.200	U		mg/L	0.2				0.02	0.0599	0.0599	1	0.2	0.00599	01/31/08	16:01
316509	Ca3179	1.64			mg/L	0.5				0.05	1.643	1.64	1	0.5	0.1643	01/31/08	16:01
316509	Cd2265	0.0500	U		mg/L	0.05				0.005	-0.0004	-0.0004	1	0.05	-0.00004	01/31/08	16:01
316509	Co2286	0.0500	U		mg/L	0.05				0.005	0.022	0.022	1	0.05	0.0022	01/31/08	16:01
316509	Cr2677	0.0500	U		mg/L	0.05				0.005	-0.0079	-0.0079	1	0.05	-0.00079	01/31/08	16:01
316509	Cu3247	0.0500	U		mg/L	0.05				0.005	-0.0051	-0.0051	1	0.05	-0.00051	01/31/08	16:01
316509	K_7664	2.00	U		mg/L	2				0.2	-0.3615	-0.362	1	2	-0.03615	01/31/08	16:01
316509	La3988	0.0500	U		mg/L	0.05				0.005	-0.0028	-0.0028	1	0.05	-0.00028	01/31/08	16:01
316509	Li6707	0.100	U		mg/L	0.1				0.01	0	0	1	0.1	0	01/31/08	16:01
316509	Mg2790	0.500	U		mg/L	0.5				0.05	-0.022	-0.022	1	0.5	-0.0022	01/31/08	16:01
316509	Mn2576	0.0500	U		mg/L	0.05				0.005	0.0005	0.0005	1	0.05	0.00005	01/31/08	16:01
316509	Mo2020	0.0500	U		mg/L	0.05				0.005	-0.0036	-0.0036	1	0.05	-0.00036	01/31/08	16:01
316509	Ni2316	0.0500	U		mg/L	0.05				0.005	-0.0106	-0.0106	1	0.05	-0.00106	01/31/08	16:01
316509	P_1782	0.200	U		mg/L	0.2				0.02	0.0403	0.0403	1	0.2	0.00403	01/31/08	16:01
316509	Pd3404	0.200	U		mg/L	0.2				0.02	-0.0935	-0.0935	1	0.2	-0.00935	01/31/08	16:01
316509	Sb2068	0.100	U		mg/L	0.1				0.01	-0.04	-0.04	1	0.1	-0.004	01/31/08	16:01
316509	Si2881	14.3			mg/L	0.25				0.025	14.3168	14.3	1	0.25	1.43168	01/31/08	16:01
316509	Pb220	0.0500	U		mg/L	0.05				0.005	0.0067	0.0067	1	0.05	0.00067	01/31/08	16:01
316509	Se196	0.100	U		mg/L	0.1				0.01	-0.0016	-0.0016	1	0.1	-0.00016	01/31/08	16:01
316509	Sn1899	0.0500	U		mg/L	0.05				0.005	-0.0189	-0.0189	1	0.05	-0.00189	01/31/08	16:01
316509	Sr4215	0.0500	U		mg/L	0.05				0.005	0.0024	0.0024	1	0.05	0.00024	01/31/08	16:01
316509	Ti3349	0.0500	U		mg/L	0.05				0.005	-0.0014	-0.0014	1	0.05	-0.00014	01/31/08	16:01
316509	Tl1908	0.100	U		mg/L	0.1				0.01	-0.0301	-0.0301	1	0.1	-0.00301	01/31/08	16:01
316509	U_4090	1.50	U		mg/L	1.5				0.15	-0.1844	-0.184	1	1.5	-0.01844	01/31/08	16:01
316509	V_2924	0.0500	U		mg/L	0.05				0.005	-0.0084	-0.0084	1	0.05	-0.00084	01/31/08	16:01
316509	W_2079	0.100	U		mg/L	0.1				0.01	-0.036	-0.036	1	0.1	-0.0036	01/31/08	16:01
316509	Y_3710	0.0500	U		mg/L	0.05				0.005	-0.0017	-0.0017	1	0.05	-0.00017	01/31/08	16:01
316509	Zn2062	0.0500	U		mg/L	0.05				0.005	0.0083	0.0083	1	0.05	0.00083	01/31/08	16:01
316509	Zr3496	0.0500	U		mg/L	0.05				0.005	-0.0056	-0.0056	1	0.05	-0.00056	01/31/08	16:01
316510	Ag3280	0.0500	U		mg/L	0.05				0.005	0.0036	0.0036	1	0.05	0.00036	01/31/08	16:06

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Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
316510	Al3082	1.00	U		mg/L	1				0.1	0.3015	0.302	1	1	0.03015	01/31/08	16:06
316510	As1890	0.100	U		mg/L	0.1				0.01	-0.0001	-0.0001	1	0.1	-0.00001	01/31/08	16:06
316510	B_2496	5.18			mg/L	0.2				0.02	5.177	5.18	1	0.2	0.5177	01/31/08	16:06
316510	Ba4934	0.0500	U		mg/L	0.05				0.005	0.0003	0.0003	1	0.05	0.00003	01/31/08	16:06
316510	Be3130	0.0500	U		mg/L	0.05				0.005	-0.0001	-0.0001	1	0.05	-0.00001	01/31/08	16:06
316510	Bi2230	0.200	U		mg/L	0.2				0.02	0.099	0.099	1	0.2	0.0099	01/31/08	16:06
316510	Ca3179	2.39			mg/L	0.5				0.05	2.394	2.39	1	0.5	0.2394	01/31/08	16:06
316510	Cd2265	0.0500	U		mg/L	0.05				0.005	0.0014	0.0014	1	0.05	0.00014	01/31/08	16:06
316510	Co2286	0.0500	U		mg/L	0.05				0.005	0.0236	0.0236	1	0.05	0.00236	01/31/08	16:06
316510	Cr2677	0.0500	U		mg/L	0.05				0.005	0.002	0.002	1	0.05	0.0002	01/31/08	16:06
316510	Cu3247	0.0500	U		mg/L	0.05				0.005	0.005	0.005	1	0.05	0.0005	01/31/08	16:06
316510	K_7664	2.00	U		mg/L	2				0.2	-0.0578	-0.0578	1	2	-0.00578	01/31/08	16:06
316510	La3988	0.0500	U		mg/L	0.05				0.005	0.0099	0.0099	1	0.05	0.00099	01/31/08	16:06
316510	Li6707	0.100	U		mg/L	0.1				0.01	0.0035	0.0035	1	0.1	0.00035	01/31/08	16:06
316510	Mg2790	0.500	U		mg/L	0.5				0.05	0.1097	0.11	1	0.5	0.01097	01/31/08	16:06
316510	Mn2576	0.0500	U		mg/L	0.05				0.005	0.0011	0.0011	1	0.05	0.00011	01/31/08	16:06
316510	Mo2020	0.0500	U		mg/L	0.05				0.005	0.0021	0.0021	1	0.05	0.00021	01/31/08	16:06
316510	Ni2316	0.0500	U		mg/L	0.05				0.005	-0.002	-0.002	1	0.05	-0.0002	01/31/08	16:06
316510	P_1782	0.200	U		mg/L	0.2				0.02	0.0311	0.0311	1	0.2	0.00311	01/31/08	16:06
316510	Pd3404	0.200	U		mg/L	0.2				0.02	-0.032	-0.032	1	0.2	-0.0032	01/31/08	16:06
316510	Sb2068	0.100	U		mg/L	0.1				0.01	0.0106	0.0106	1	0.1	0.00106	01/31/08	16:06
316510	Si2881	18.0			mg/L	0.25				0.025	18.0329	18	1	0.25	1.80329	01/31/08	16:06
316510	Pb220	0.0500	U		mg/L	0.05				0.005	0.0095	0.0095	1	0.05	0.00095	01/31/08	16:06
316510	Se196	0.100	U		mg/L	0.1				0.01	0.0049	0.0049	1	0.1	0.00049	01/31/08	16:06
316510	Sn1899	0.0500	U		mg/L	0.05				0.005	-0.0142	-0.0142	1	0.05	-0.00142	01/31/08	16:06
316510	Sr4215	0.0500	U		mg/L	0.05				0.005	0.0035	0.0035	1	0.05	0.00035	01/31/08	16:06
316510	Ti3349	0.0500	U		mg/L	0.05				0.005	0	0	1	0.05	0	01/31/08	16:06
316510	Tl1908	0.100	U		mg/L	0.1				0.01	-0.0057	-0.0057	1	0.1	-0.00057	01/31/08	16:06
316510	U_4090	1.50	U		mg/L	1.5				0.15	0.2973	0.297	1	1.5	0.02973	01/31/08	16:06
316510	V_2924	0.0500	U		mg/L	0.05				0.005	0.0017	0.0017	1	0.05	0.00017	01/31/08	16:06
316510	W_2079	0.100	U		mg/L	0.1				0.01	-0.0082	-0.0082	1	0.1	-0.00082	01/31/08	16:06
316510	Y_3710	0.0500	U		mg/L	0.05				0.005	0	0	1	0.05	0	01/31/08	16:06
316510	Zn2062	0.0500	U		mg/L	0.05				0.005	0.0082	0.0082	1	0.05	0.00082	01/31/08	16:06
316510	Zr3496	0.0500	U		mg/L	0.05				0.005	0.0047	0.0047	1	0.05	0.00047	01/31/08	16:06
316511	Ag3280	0.125	U		mg/L	0.125				0.005	0.00625	0.00625	1	0.125	0.00025	01/31/08	16:11
316511	Al3082	2.50	U		mg/L	2.5				0.1	2.16725	2.17	1	2.5	0.08669	01/31/08	16:11
316511	As1890	0.250	U		mg/L	0.25				0.01	-0.007	-0.007	1	0.25	-0.00028	01/31/08	16:11
316511	B_2496	25.2			mg/L	0.5				0.02	25.221	25.2	1	0.5	1.00884	01/31/08	16:11
316511	Ba4934	0.125	U		mg/L	0.125				0.005	0	0	1	0.125	0	01/31/08	16:11
316511	Be3130	0.125	U		mg/L	0.125				0.005	0	0	1	0.125	0	01/31/08	16:11
316511	Bi2230	0.500	U		mg/L	0.5				0.02	0.162	0.162	1	0.5	0.00648	01/31/08	16:11

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Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
316511	Ca3179	1.25	U		mg/L	1.25				0.05	0.5795	0.58	1	1.25	0.02318	01/31/08	16:11
316511	Cd2265	0.125	U		mg/L	0.125				0.005	-0.0045	-0.0045	1	0.125	-0.00018	01/31/08	16:11
316511	Co2286	0.125	U		mg/L	0.125				0.005	0.03225	0.0323	1	0.125	0.00129	01/31/08	16:11
316511	Cr2677	0.125	U		mg/L	0.125				0.005	-0.0145	-0.0145	1	0.125	-0.00058	01/31/08	16:11
316511	Cu3247	0.125	U		mg/L	0.125				0.005	-0.01125	-0.0113	1	0.125	-0.00045	01/31/08	16:11
316511	K_7664	5.00	U		mg/L	5				0.2	1.494	1.49	1	5	0.05976	01/31/08	16:11
316511	La3988	0.125	U		mg/L	0.125				0.005	-0.00175	-0.00175	1	0.125	-0.00007	01/31/08	16:11
316511	Li6707	0.250	U		mg/L	0.25				0.01	0.006	0.006	1	0.25	0.00024	01/31/08	16:11
316511	Mg2790	1.25	U		mg/L	1.25				0.05	0.24175	0.242	1	1.25	0.00967	01/31/08	16:11
316511	Mn2576	0.125	U		mg/L	0.125				0.005	-0.0005	-0.0005	1	0.125	-0.00002	01/31/08	16:11
316511	Mo2020	0.125	U		mg/L	0.125				0.005	-0.00225	-0.00225	1	0.125	-0.00009	01/31/08	16:11
316511	Ni2316	0.125	U		mg/L	0.125				0.005	-0.0025	-0.0025	1	0.125	-0.0001	01/31/08	16:11
316511	P_1782	1.21			mg/L	0.5				0.02	1.21075	1.21	1	0.5	0.04843	01/31/08	16:11
316511	Pd3404	0.500	U		mg/L	0.5				0.02	-0.07275	-0.0728	1	0.5	-0.00291	01/31/08	16:11
316511	Sb2068	0.250	U		mg/L	0.25				0.01	-0.0625	-0.0625	1	0.25	-0.0025	01/31/08	16:11
316511	Si2881	17.8			mg/L	0.625				0.025	17.82475	17.8	1	0.625	0.71299	01/31/08	16:11
316511	Pb220	0.125	U		mg/L	0.125				0.005	0.01725	0.0173	1	0.125	0.00069	01/31/08	16:11
316511	Se196	0.250	U		mg/L	0.25				0.01	0.05725	0.0573	1	0.25	0.00229	01/31/08	16:11
316511	Sn1899	0.125	U		mg/L	0.125				0.005	0.00625	0.00625	1	0.125	0.00025	01/31/08	16:11
316511	Sr4215	0.125	U		mg/L	0.125				0.005	0.00175	0.00175	1	0.125	0.00007	01/31/08	16:11
316511	Ti3349	0.125	U		mg/L	0.125				0.005	-0.00425	-0.00425	1	0.125	-0.00017	01/31/08	16:11
316511	Tl1908	0.250	U		mg/L	0.25				0.01	-0.0685	-0.0685	1	0.25	-0.00274	01/31/08	16:11
316511	U_4090	3.75	U		mg/L	3.75				0.15	0.189	0.189	1	3.75	0.00756	01/31/08	16:11
316511	V_2924	0.125	U		mg/L	0.125				0.005	-0.02025	-0.0203	1	0.125	-0.00081	01/31/08	16:11
316511	W_2079	0.250	U		mg/L	0.25				0.01	0.00225	0.00225	1	0.25	0.00009	01/31/08	16:11
316511	Y_3710	0.125	U		mg/L	0.125				0.005	-0.00225	-0.00225	1	0.125	-0.00009	01/31/08	16:11
316511	Zn2062	0.125	U		mg/L	0.125				0.005	0.0155	0.0155	1	0.125	0.00062	01/31/08	16:11
316511	Zr3496	0.125	U		mg/L	0.125				0.005	-0.0095	-0.0095	1	0.125	-0.00038	01/31/08	16:11
PBW-A31H1	Fe2714	0.500	U		mg/L	0.5				0.05	-0.1555	-0.156	1	0.5	-0.01555	01/31/08	12:43
PBW-A31H1	S_1820	1.00	U		mg/L	1				0.1	-0.2646	-0.265	1	1	-0.02646	01/31/08	12:43
PBW-A31H1	Th2837	0.200	U		mg/L	0.2				0.02	-0.008	-0.008	1	0.2	-0.0008	01/31/08	12:43
LCSW-A31H1	Fe2714	0.980			mg/L	0.05		98.0%	1	0.05	0.98038	0.98	1	0.05	0.98038	01/31/08	12:47
LCSW-A31H1	S_1820	0.100	U		mg/L	0.1			0	0.1	0.08157	0.0816	1	0.1	0.08157	01/31/08	12:47
LCSW-A31H1	Th2837	0.0200	U		mg/L	0.02			0	0.02	-0.0081	-0.0081	1	0.02	-0.0081	01/31/08	12:47
316507	Fe2714	0.500	U		mg/L	0.5				0.05	-0.251	-0.251	1	0.5	-0.0251	01/31/08	12:52
316507	S_1820	1.72			mg/L	1				0.1	1.7207	1.72	1	1	0.17207	01/31/08	12:52
316507	Th2837	0.200	U		mg/L	0.2				0.02	-0.017	-0.017	1	0.2	-0.0017	01/31/08	12:52
316507D	Fe2714	0.500	U		mg/L	0.5	0.0%			0.05	-0.1908	-0.191	1	0.5	-0.01908	01/31/08	12:57
316507D	S_1820	1.45			mg/L	1	17.0%			0.1	1.4454	1.45	1	1	0.14454	01/31/08	12:57
316507D	Th2837	0.200	U		mg/L	0.2	0.0%			0.02	-0.0598	-0.0598	1	0.2	-0.00598	01/31/08	12:57
316507S	Fe2714	9.99			mg/L	0.5		99.9%	10	0.05	9.9914	9.99	1	0.5	0.99914	01/31/08	13:01

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0100416

Sample ID	Element	Result	Qual (C)	Qual (Q)	Units	RL	%RPD	%Recovery	TV	rl	mg/L	sigwt	Dilution	Calc RL	ug/ml	Date	Time
316507S	S_1820	1.49		#DIV/0!	mg/L	1		#DIV/0!	0	0.1	1.4851	1.49	1	1	0.14851	01/31/08	13:01
316507S	Th2837	0.200	U	#DIV/0!	mg/L	0.2		#DIV/0!	0	0.02	-0.0123	-0.0123	1	0.2	-0.00123	01/31/08	13:01
316508	Fe2714	0.500	U		mg/L	0.5				0.05	-0.1018	-0.102	1	0.5	-0.01018	01/31/08	13:06
316508	S_1820	1.00	U		mg/L	1				0.1	0.2275	0.228	1	1	0.02275	01/31/08	13:06
316508	Th2837	0.200	U		mg/L	0.2				0.02	0.0071	0.0071	1	0.2	0.00071	01/31/08	13:06
316509	Fe2714	0.500	U		mg/L	0.5				0.05	-0.048	-0.048	1	0.5	-0.0048	01/31/08	13:10
316509	S_1820	1.03			mg/L	1				0.1	1.0301	1.03	1	1	0.10301	01/31/08	13:10
316509	Th2837	0.200	U		mg/L	0.2				0.02	-0.0085	-0.0085	1	0.2	-0.00085	01/31/08	13:10
316510	Fe2714	0.500	U		mg/L	0.5				0.05	-0.0654	-0.0654	1	0.5	-0.00654	01/31/08	13:15
316510	S_1820	1.00	U		mg/L	1				0.1	0.2163	0.216	1	1	0.02163	01/31/08	13:15
316510	Th2837	0.200	U		mg/L	0.2				0.02	0.0049	0.0049	1	0.2	0.00049	01/31/08	13:15
316511	Fe2714	1.25	U		mg/L	1.25				0.05	-0.16575	-0.166	1	1.25	-0.00663	01/31/08	13:20
316511	S_1820	108			mg/L	2.5				0.1	107.703	108	1	2.5	4.30812	01/31/08	13:20
316511	Th2837	0.500	U		mg/L	0.5				0.02	0.0355	0.0355	1	0.5	0.00142	01/31/08	13:20
PBW-A31H1	Na589	2.00	U		mg/L	2				0.2	0.460199564	0.46	1	2	0.046019956	01/31/08	12:38 PM
LCSW-A31H1	Na589	20.2			mg/L	0.2		101.0%	20	0.2	20.15886778	20.2	1	0.2	20.15886778	01/31/08	12:41 PM
316507	Na589	6.32			mg/L	2				0.2	6.322790839	6.32	1	2	0.632279084	01/31/08	12:44 PM
316507D	Na589	6.91			mg/L	2	8.9%			0.2	6.906898681	6.91	1	2	0.690689868	01/31/08	12:47 PM
316507S	Na589	205			mg/L	2		99.3%	200	0.2	204.5138616	205	1	2	20.45138616	01/31/08	12:50 PM
316508	Na589	5.97			mg/L	2				0.2	5.969099584	5.97	1	2	0.596909958	01/31/08	12:54 PM
316509	Na589	3.14			mg/L	2				0.2	3.139906925	3.14	1	2	0.313990693	01/31/08	12:57 PM
316510	Na589	6.43			mg/L	2				0.2	6.431082956	6.43	1	2	0.643108296	01/31/08	1:00 PM
316511	Na589	38.7			mg/L	5				0.2	38.68599874	38.7	1	5	1.54743995	01/31/08	1:03 PM

☐ 200.7 TAP No. 01-0406-028 Rev3/Jan06

☑ 6010B TAP No. 01-0406-130 Rev5/Jan06

☐ Other_____

QC STD. ID's	
CCV	080404
CRI	
ICSA	
ICSAB	080404

ICP CAL.STD. ID's	
Std0	080404
Std1	080404
Std2	
Std3	010047
Std4	
Std5	
Std6	

Linear Range run Date: 03-23-07

IDL run date: 03-27-07

IEC run date: 03-29-07

3/31/08

KKi

PROJ. NO.	PROJECT	TO#	DATE	MATRIX	LOGBK PG
14002.01.171	Div. 20	080114-6	1-31-08	Liquid	70-184

INSTRUMENT: SPECTRO FILENAME: 080131

1-31-08

Analyst/Date

File converted to wsl? ☐

:VOLUTION by Micro-Active Australia Pty Ltd 12:15:54 PM January 31, 2008

Keep last result visible enabled ...
Starting run ...
Creating high priority queue entries ...

010048

BACKGROUND CORRECTED INTENSITIES
Identity 1 : BLK_SC Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00 Printed : 12:10:50 PM January 31, 2008

	K_766	Li670	Na589	Sc361
# 1	27.0	-31.5	41.5	2168.5
# 2	26.0	-21.5	28.5	2107.5
Mean	26.5	-26.5	35.0	2138.0
SD	0.7	7.1	9.2	43.1
%RSD	2.7	26.7	26.3	2.0

INTENSITIES
Identity 1 : BLK_SC Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00 Printed : 12:10:52 PM January 31, 2008

	K_766	Li670	Na589	Sc361
# 1	0.0	-0.0	0.0	2168.5
# 2	0.0	-0.0	0.0	2107.5
Mean	0.0	-0.0	0.0	2138.0
SD	0.0	0.0	0.0	43.1
%RSD	0.7	24.7	24.3	2.0

BACKGROUND CORRECTED INTENSITIES
Identity 1 : CLP_STD1_SC Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00 Printed : 12:13:54 PM January 31, 2008

	K_766	Li670	Na589
# 1	2972.0	24836.0	18252.5
# 2	2908.0	24335.0	17913.5
Mean	2940.0	24585.5	18083.0
SD	45.3	354.3	239.7
%RSD	1.5	1.4	1.3

INTENSITIES
Identity 1 : CLP_STD1_SC Identity 2 : Type : STD
Weight : 1.0000 Volume : 1.00 Printed : 12:13:54 PM January 31, 2008

	K_766	Li670	Na589
# 1	1.3	11.3	8.3
# 2	1.3	11.2	8.2
Mean	1.3	11.2	8.3
SD	0.0	0.0	0.0
%RSD	0.5	0.4	0.3

2/1/08

2-1-08

/OLUTION by Micro-Active Australia Pty Ltd 12:23:24 PM January 31, 2008

ACKGROUND CORRECTED INTENSITIES
dentity 1 : CLP_CCV_SC Identity 2 : Type : CV
eight : 1.0000 Volume : 1.00 Printed : 12:16:58 PM January 31, 2008

010049

	K_766	Li670	Na589	Sc	Sc361
# 1	1175.5	12067.5	10556.0	2178.5	2178.5
# 2	1191.5	12087.5	10627.0	2171.5	2171.5
ean	1183.5	12077.5	10591.5	2175.0	2175.0
D	11.3	14.1	50.2	4.9	4.9
RSD	1.0	0.1	0.5	0.2	0.2

PPARENT CONCENTRATIONS
dentity 1 : CLP_CCV_SC Identity 2 : Type : CV
eight : 1.0000 Volume : 1.00 Printed : 12:16:58 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	19.8001	4.9354	29.2739	2178.500 H	101.9001
# 2	20.1422	4.9594	29.5667	2171.500 H	101.5717
ean	19.9711	4.9474	29.4203	2175.000 H	101.7359
D	0.2419	0.0170	0.2071	4.950	0.2322
RSD	1.2111	0.3439	0.7039	0.228	0.2283

hecking calibration verification ...
dentity 1 : CLP_CCV_SC Identity 2 :

eport name	Low limit	Value	High limit
_766	18.000	19.971	22.000
i670	4.500	4.947	5.500
a589	27.000	29.420	33.000

BACKGROUND CORRECTED INTENSITIES
dentity 1 : Calibration blank Identity 2 : Type : CB
eight : 1.0000 Volume : 1.00 Printed : 12:20:02 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	27.5	-3.0	67.5	2150.0	2150.0
# 2	28.5	-7.0	51.5	2172.0	2172.0
ean	28.0	-5.0	59.5	2161.0	2161.0
D	0.7	2.8	11.3	15.6	15.6
RSD	2.5	56.6	19.0	0.7	0.7

APPARENT CONCENTRATIONS
Identity 1 : Calibration blank Identity 2 : Type : CB
eight : 1.0000 Volume : 1.00 Printed : 12:20:04 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	0.0149	0.0098	0.0911	2150.000 H	100.5630
# 2	0.0273	0.0082	0.0445	2172.000 H	101.5951
Mean	0.0211	0.0090	0.0678	2161.000 H	101.0791
SD	0.0088	0.0011	0.0329	15.556	0.7298
%RSD	41.6748	12.8125	48.5908	0.720	0.7220

Checking calibration blank ...
Identity 1 : Calibration blank Identity 2 :

Report name	CRDL	Value	
K_766	0.250	0.021	
Li670	0.010	0.009	
Na589	0.050	0.068	Contaminated
Sc361	0.000	101.079	

BACKGROUND CORRECTED INTENSITIES
Identity 1 : CRI Identity 2 : Type : CV
Weight : 1.0000 Volume : 1.00 Printed : 12:23:10 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	17.5	218.5	64.0	2153.5	2153.5
# 2	17.5	213.5	31.0	2155.5	2155.5

Mean	17.5	216.0	47.5	2154.5	2154.5
SD	0.0	3.5	23.3	1.4	1.4
%RSD	0.0	1.6	49.1	0.1	0.1

010050

APPARENT CONCENTRATIONS
Identity 1 : CRI Identity 2 : Type : CV
Weight : 1.0000 Volume : 1.00 Printed : 12:23:10 PM January 31, 2008

		K_766 ppm	Li670 ppm	Na589 ppm	Sc	Sc361 ppm
# 1	L	-0.1603	0.1012	0.0809	2153.500 H	100.7272
# 2	L	-0.1606	0.0991 L	-0.0121	2155.500 H	100.8210
Mean	L	-0.1605	0.1001	0.0344	2154.500 H	100.7741
SD		0.0002	0.0015	0.0657	1.414	0.0663
%RSD		0.1248	1.5151	190.9344	0.066	0.0658

Checking calibration verification ...
Identity 1 : CRI Identity 2 :

Report name	Low limit	Value	High limit
Li670	0.090	0.100	0.110

BACKGROUND CORRECTED INTENSITIES
Identity 1 : ICSA Identity 2 : Type : INTRF
Weight : 1.0000 Volume : 1.00 Printed : 12:26:16 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	27.5	-16.0	39.0	2073.5	2073.5
# 2	28.5	-18.0	35.0	2055.5	2055.5
Mean	28.0	-17.0	37.0	2064.5	2064.5
SD	0.7	1.4	2.8	12.7	12.7
%RSD	2.5	8.3	7.6	0.6	0.6

APPARENT CONCENTRATIONS
Identity 1 : ICSA Identity 2 : Type : INTRF
Weight : 1.0000 Volume : 1.00 Printed : 12:26:16 PM January 31, 2008

	K_766 ppm	Li670 ppm	Na589 ppm	Sc	Sc361 ppm
# 1	0.0326	0.0042	0.0148	2073.500	96.9740
# 2	0.0552	0.0032	0.0040	2055.500	96.1295
Mean	0.0439	0.0037	0.0094	2064.500	96.5517
SD	0.0160	0.0007	0.0076	12.728	0.5971
%RSD	36.4477	17.6957	81.3832	0.617	0.6185

BACKGROUND CORRECTED INTENSITIES
Identity 1 : ICSAB Identity 2 : Type : ICSAB
Weight : 1.0000 Volume : 1.00 Printed : 12:29:20 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	16.5	2410.0	55.0	2028.0	2028.0
# 2	22.5	2380.0	52.0	2021.0	2021.0
Mean	19.5	2395.0	53.5	2024.5	2024.5
SD	4.2	21.2	2.1	4.9	4.9
%RSD	21.8	0.9	4.0	0.2	0.2

APPARENT CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : Type : ICSAB
Weight : 1.0000 Volume : 1.00 Printed : 12:29:20 PM January 31, 2008

		K_766 ppm	Li670 ppm	Na589 ppm	Sc	Sc361 ppm
# 1	L	-0.1599	1.0674	0.0652	2028.000	94.8393
# 2	L	-0.0474	1.0579	0.0567	2021.000	94.5109
Mean	L	-0.1037	1.0627	0.0610	2024.500	94.6751
SD		0.0796	0.0067	0.0060	4.950	0.2322
%RSD		76.7782	0.6346	9.7787	0.244	0.2453

010051

Checking interference check standard ...
Identity 1 : ICSAB Identity 2 :

Report name	Low limit	Value	High limit
Li670	0.800	1.063	1.200

BACKGROUND CORRECTED INTENSITIES
Identity 1 : CLP_CCV_SC Identity 2 : Type : CV
Weight : 1.0000 Volume : 1.00 Printed : 12:32:28 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	1181.5	11941.0	10511.0	2166.0	2166.0
# 2	1166.5	11839.0	10426.0	2151.0	2151.0
Mean	1174.0	11890.0	10468.5	2158.5	2158.5
SD	10.6	72.1	60.1	10.6	10.6
%RSD	0.9	0.6	0.6	0.5	0.5

APPARENT CONCENTRATIONS
Identity 1 : CLP_CCV_SC Identity 2 : Type : CV
Weight : 1.0000 Volume : 1.00 Printed : 12:32:28 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	20.0211	4.9119	29.3174	2166.000 H	101.3136
# 2	19.9020	4.9039	29.2830	2151.000 H	100.6099
Mean	19.9616	4.9079	29.3002	2158.500 H	100.9618
SD	0.0842	0.0056	0.0243	10.607	0.4976
%RSD	0.4217	0.1150	0.0830	0.491	0.4929

Checking calibration verification ...
Identity 1 : CLP_CCV_SC Identity 2 :

Report name	Low limit	Value	High limit
K_766	18.000	19.962	22.000
Li670	4.500	4.908	5.500
Na589	27.000	29.300	33.000

BACKGROUND CORRECTED INTENSITIES
Identity 1 : Calibration blank Identity 2 : Type : CB
Weight : 1.0000 Volume : 1.00 Printed : 12:35:32 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	12.5	0.0	51.0	2174.0	2174.0
# 2	35.5	13.0	42.0	2136.0	2136.0
Mean	24.0	6.5	46.5	2155.0	2155.0
SD	16.3	9.2	6.4	26.9	26.9
%RSD	67.8	141.4	13.7	1.2	1.2

APPARENT CONCENTRATIONS
Identity 1 : Calibration blank Identity 2 : Type : CB
Weight : 1.0000 Volume : 1.00 Printed : 12:35:32 PM January 31, 2008

		K_766	Li670	Na589	Sc	Sc361
		ppm	ppm	ppm		ppm
# 1	L	-0.2496	0.0110	0.0430	2174.000 H	101.6890
# 2		0.1587	0.0164	0.0200	2136.000	99.9062
Mean	L	-0.0454	0.0137	0.0315	2155.000 H	100.7976
SD		0.2887	0.0038	0.0163	26.870	1.2606
%RSD		635.2576	27.8767	51.7147	1.247	1.2506

Checking calibration blank ...
Identity 1 : Calibration blank Identity 2 :

Report name	CRDL	Value	
K_766	0.250	-0.045	
Li670	0.010	0.014	Contaminated
Na589	0.050	0.031	
Sc361	0.000	100.798	

BACKGROUND CORRECTED INTENSITIES

VOLUTION by Micro-Active Australia Pty Ltd 12:44:56 PM January 31, 2008

dentity 1 : PBW-A31H1 Identity 2 : Type : SAMPLE
eight : 1.0000 Volume : 1.00 Printed : 12:38:38 PM January 31, 2008

010052

	K_766	Li670	Na589	Sc	Sc361
# 1	30.0	-5.0	42.5	2169.5	2169.5
# 2	30.0	-3.0	61.5	2170.5	2170.5
ean	30.0	-4.0	52.0	2170.0	2170.0
D	0.0	1.4	13.4	0.7	0.7
RSD	0.0	35.4	25.8	0.0	0.0

PPARENT CONCENTRATIONS
dentity 1 : PBW-A31H1 Identity 2 : Type : SAMPLE
eight : 1.0000 Volume : 1.00 Printed : 12:38:38 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	0.0538	0.0090	0.0195	2169.500 H	101.4773
# 2	0.0536	0.0098	0.0725	2170.500 H	101.5247
lean	0.0537	0.0094	0.0460	2170.000 H	101.5013
:D	0.0002	0.0006	0.0375	0.707	0.0332
RSD	0.3150	6.1823	81.4503	0.033	0.0327

;ACKGROUND CORRECTED INTENSITIES
:dentity 1 : LCSW-A31H1 Identity 2 : Type : SAMPLE
leight : 1.0000 Volume : 1.00 Printed : 12:41:42 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	1184.5	9630.5	7286.5	2183.0	2183.0
# 2	1188.5	9510.5	7220.5	2158.0	2158.0
lean	1186.5	9570.5	7253.5	2170.5	2170.5
3D	2.8	84.9	46.7	17.7	17.7
;RSD	0.2	0.9	0.6	0.8	0.8

\PPARENT CONCENTRATIONS
:dentity 1 : LCSW-A31H1 Identity 2 : Type : SAMPLE
Veight : 1.0000 Volume : 1.00 Printed : 12:41:42 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	19.9132	3.9328	20.1344	2183.000 H	102.1112
# 2	20.2189	3.9288	20.1834	2158.000 H	100.9383
lean	20.0660	3.9308	20.1589	2170.500 H	101.5247
3D	0.2162	0.0028	0.0347	17.678	0.8294
;RSD	1.0772	0.0720	0.1719	0.814	0.8169

BACKGROUND CORRECTED INTENSITIES
Identity 1 : 316507 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:44:46 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	33.5	-8.5	264.0	2229.0	2229.0
# 2	32.5	-13.5	272.0	2213.0	2213.0
Mean	33.0	-11.0	268.0	2221.0	2221.0
SD	0.7	3.5	5.7	11.3	11.3
%RSD	2.1	32.1	2.1	0.5	0.5

APPARENT CONCENTRATIONS
Identity 1 : 316507 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:44:46 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	0.0989	0.0076	0.6187	2229.000 H	104.2693
# 2	0.0861	0.0056	0.6458	2213.000 H	103.5186
Mean	0.0925	0.0066	0.6323	2221.000 H	103.8940
SD	0.0091	0.0014	0.0192	11.314	0.5308

%RSD	9.8542	21.7415	3.0312	0.509	0.5109

BACKGROUND CORRECTED INTENSITIES
Identity 1 : 316507D Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:47:52 PM January 31, 2008

010053

	K_766	Li670	Na589	Sc	Sc361
# 1	25.5	-7.0	298.0	2211.0	2211.0
# 2	23.5	-15.0	281.0	2233.0	2233.0
Mean	24.5	-11.0	289.5	2222.0	2222.0
SD	1.4	5.7	12.0	15.6	15.6
%RSD	5.8	51.4	4.2	0.7	0.7

APPARENT CONCENTRATIONS
Identity 1 : 316507D Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:47:52 PM January 31, 2008

		K_766	Li670	Na589	Sc	Sc361
		ppm	ppm	ppm		ppm
# 1	L	-0.0324	0.0082	0.7178	2211.000 H	103.4248
# 2	L	-0.0703	0.0050	0.6636	2233.000 H	104.4570
Mean	L	-0.0513	0.0066	0.6907	2222.000 H	103.9409
SD		0.0268	0.0022	0.0383	15.556	0.7298
%RSD		52.2392	33.6941	5.5487	0.700	0.7022

BACKGROUND CORRECTED INTENSITIES
Identity 1 : 316507S Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:50:58 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	1205.5	9962.0	7606.0	2245.0	2245.0
# 2	1201.5	9892.0	7575.0	2233.0	2233.0
Mean	1203.5	9927.0	7590.5	2239.0	2239.0
SD	2.8	49.5	21.9	8.5	8.5
%RSD	0.2	0.5	0.3	0.4	0.4

APPARENT CONCENTRATIONS
Identity 1 : 316507S Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:50:58 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	19.7017	3.9558	20.4383	2245.000 H	105.0199
# 2	19.7428	3.9491	20.4645	2233.000 H	104.4570
Mean	19.7222	3.9524	20.4514	2239.000 H	104.7384
SD	0.0291	0.0047	0.0185	8.485	0.3981
%RSD	0.1474	0.1193	0.0906	0.379	0.3801

BACKGROUND CORRECTED INTENSITIES
Identity 1 : 316508 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:54:04 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	28.0	-10.5	256.0	2232.0	2232.0
# 2	24.0	-14.5	254.0	2209.0	2209.0
Mean	26.0	-12.5	255.0	2220.5	2220.5
SD	2.8	2.8	1.4	16.3	16.3
%RSD	10.9	22.6	0.6	0.7	0.7

APPARENT CONCENTRATIONS
Identity 1 : 316508 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:54:04 PM January 31, 2008

		K_766	Li670	Na589	Sc	Sc361
		ppm	ppm	ppm		ppm
# 1		0.0056	0.0068	0.5960	2232.000 H	104.4100
# 2	L	-0.0575	0.0052	0.5978	2209.000 H	103.3310

C10054

Mean	L	-0.0259	0.0060	0.5969	2220.500 H	103.8705
SD		0.0446	0.0012	0.0012	16.263	0.7630
%RSD		172.1719	19.4517	0.2074	0.732	0.7346

BACKGROUND CORRECTED INTENSITIES
Identity 1 : 316509 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:57:08 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	31.5	-17.0	160.0	2217.0	2217.0
# 2	25.5	-27.0	142.0	2213.0	2213.0
Mean	28.5	-22.0	151.0	2215.0	2215.0
SD	4.2	7.1	12.7	2.8	2.8
%RSD	14.9	32.1	8.4	0.1	0.1

APPARENT CONCENTRATIONS
Identity 1 : 316509 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 12:57:10 PM January 31, 2008

		K_766	Li670	Na589	Sc	Sc361
		ppm	ppm	ppm		ppm
# 1		0.0681	0.0042	0.3382	2217.000 H	103.7063
# 2	L	-0.0327	0.0002	0.2897	2213.000 H	103.5186
Mean		0.0177	0.0022	0.3140	2215.000 H	103.6125
SD		0.0713	0.0028	0.0343	2.828	0.1327
%RSD		403.3157	130.2632	10.9256	0.128	0.1281

BACKGROUND CORRECTED INTENSITIES
Identity 1 : 316510 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 1:00:12 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	27.0	-23.0	279.5	2211.5	2211.5
# 2	31.0	-20.0	262.5	2214.5	2214.5
Mean	29.0	-21.5	271.0	2213.0	2213.0
SD	2.8	2.1	12.0	2.1	2.1
%RSD	9.8	9.9	4.4	0.1	0.1

APPARENT CONCENTRATIONS
Identity 1 : 316510 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 1:00:14 PM January 31, 2008

		K_766	Li670	Na589	Sc	Sc361
		ppm	ppm	ppm		ppm
# 1	L	-0.0070	0.0018	0.6669	2211.500 H	103.4483
# 2		0.0602	0.0030	0.6193	2214.500 H	103.5890
Mean		0.0266	0.0024	0.6431	2213.000 H	103.5186
SD		0.0475	0.0009	0.0336	2.121	0.0995
%RSD		178.4920	36.1289	5.2307	0.096	0.0961

BACKGROUND CORRECTED INTENSITIES
Identity 1 : 316511 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 1:03:20 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	33.5	-21.5	616.5	2217.0	2217.0
# 2	28.5	-13.5	588.5	2219.0	2219.0
Mean	31.0	-17.5	602.5	2218.0	2218.0
SD	3.5	5.7	19.8	1.4	1.4
%RSD	11.4	32.3	3.3	0.1	0.1

APPARENT CONCENTRATIONS
Identity 1 : 316511 Identity 2 : Type : SAMPLE
Weight : 1.0000 Volume : 1.00 Printed : 1:03:20 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361

EVOLUTION by Micro-Active Australia Pty Ltd 1:09:54 PM January 31, 2008

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	ppm	ppm	ppm		ppm
# 1	0.1020	0.0024	1.5864	2217.000 H	103.7063
# 2	0.0169	0.0056	1.5084	2219.000 H	103.8001
Mean	0.0594	0.0040	1.5474	2218.000 H	103.7532
SD	0.0602	0.0023	0.0552	1.414	0.0663
%RSD	101.3035	56.7382	3.5647	0.064	0.0639

BACKGROUND CORRECTED INTENSITIES
Identity 1 : CLP_CCV_SC Identity 2 : Type : CV
Weight : 1.0000 Volume : 1.00 Printed : 1:06:22 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	1175.5	12027.0	10640.0	2180.5	2180.5
# 2	1172.5	11935.0	10510.0	2169.5	2169.5
Mean	1174.0	11981.0	10575.0	2175.0	2175.0
SD	2.1	65.1	91.9	7.8	7.8
%RSD	0.2	0.5	0.9	0.4	0.4

APPARENT CONCENTRATIONS
Identity 1 : CLP_CCV_SC Identity 2 : Type : CV
Weight : 1.0000 Volume : 1.00 Printed : 1:06:24 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	19.7815	4.9143	29.4804	2180.500 H	101.9939
# 2	19.8322	4.9015	29.2672	2169.500 H	101.4778
Mean	19.8069	4.9079	29.3738	2175.000 H	101.7359
SD	0.0359	0.0091	0.1508	7.778	0.3649
%RSD	0.1811	0.1849	0.5134	0.358	0.3587

Checking calibration verification ...
Identity 1 : CLP_CCV_SC Identity 2 :

Report name	Low limit	Value	High limit
K_766	18.000	19.807	22.000
Li670	4.500	4.908	5.500
Na589	27.000	29.374	33.000

BACKGROUND CORRECTED INTENSITIES
Identity 1 : Calibration blank Identity 2 : Type : CB
Weight : 1.0000 Volume : 1.00 Printed : 1:09:26 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	20.0	-6.5	43.5	2175.0	2175.0
# 2	22.0	-11.5	54.5	2153.0	2153.0
Mean	21.0	-9.0	49.0	2164.0	2164.0
SD	1.4	3.5	7.8	15.6	15.6
%RSD	6.7	39.3	15.9	0.7	0.7

APPARENT CONCENTRATIONS
Identity 1 : Calibration blank Identity 2 : Type : CB
Weight : 1.0000 Volume : 1.00 Printed : 1:09:26 PM January 31, 2008

		K_766	Li670	Na589	Sc	Sc361
		ppm	ppm	ppm		ppm
# 1	L	-0.1202	0.0084	0.0220	2175.000 H	101.7359
# 2	L	-0.0817	0.0063	0.0542	2153.000 H	100.7037
Mean	L	-0.1010	0.0073	0.0381	2164.000 H	101.2198
SD		0.0272	0.0015	0.0228	15.556	0.7298
%RSD		26.9093	20.2160	59.7683	0.719	0.7210

Checking calibration blank ...
Identity 1 : Calibration blank Identity 2 :

Report name	CRDL	Value
K_766	0.250	-0.101
Li670	0.010	0.007
Na589	0.050	0.038

VOLUTION by Micro-Active Australia Pty Ltd 1:18:54 PM January 31, 2008

c361 0.000 101.220

010056

ACKGROUND CORRECTED INTENSITIES
dentity 1 : CRI Identity 2 : Type : CV
eight : 1.0000 Volume : 1.00 Printed : 1:12:30 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	29.0	226.0	34.0	2156.0	2156.0
# 2	37.0	225.0	-9.0	2148.0	2148.0
ean	33.0	225.5	12.5	2152.0	2152.0
D	5.7	0.7	30.4	5.7	5.7
RSD	17.1	0.3	243.2	0.3	0.3

.PPARENT CONCENTRATIONS
dentity 1 : CRI Identity 2 : Type : CV
eight : 1.0000 Volume : 1.00 Printed : 1:12:30 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
	ppm	ppm	ppm		ppm
# 1	0.0397	0.1042 L	-0.0036	2156.000 H	100.8445
# 2	0.1814	0.1041 L	-0.1246	2148.000 H	100.4692
ean	0.1105	0.1042 L	-0.0641	2152.000 H	100.6568
D	0.1002	0.0000	0.0856	5.657	0.2654
RSD	90.6789	0.0453	133.3950	0.263	0.2637

hecking calibration verification ...
dentity 1 : CRI Identity 2 :

eport name	Low limit	Value	High limit
i670	0.090	0.104	0.110

ACKGROUND CORRECTED INTENSITIES
dentity 1 : ICSA Identity 2 : Type : INTRF
eight : 1.0000 Volume : 1.00 Printed : 1:15:34 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	9.5	-17.0	59.5	2064.0	2064.0
# 2	11.5	-14.0	42.5	2036.0	2036.0
ean	10.5	-15.5	51.0	2050.0	2050.0
D	1.4	2.1	12.0	19.8	19.8
RSD	13.5	13.7	23.6	1.0	1.0

APPARENT CONCENTRATIONS
dentity 1 : ICSA Identity 2 : Type : INTRF
eight : 1.0000 Volume : 1.00 Printed : 1:15:34 PM January 31, 2008

		K_766	Li670	Na589	Sc	Sc361
		ppm	ppm	ppm		ppm
# 1	L	-0.2926	0.0037	0.0755	2064.000	96.5283
# 2	L	-0.2534	0.0049	0.0273	2036.000	95.2146
ean	L	-0.2730	0.0043	0.0514	2050.000	95.8715
D		0.0278	0.0009	0.0341	19.799	0.9289
RSD		10.1711	19.8786	66.3149	0.966	0.9689

BACKGROUND CORRECTED INTENSITIES
Identity 1 : ICSAB Identity 2 : Type : ICSAB
Weight : 1.0000 Volume : 1.00 Printed : 1:18:38 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	16.5	2343.0	42.0	2009.0	2009.0
# 2	14.5	2365.0	66.0	2016.0	2016.0
Mean	15.5	2354.0	54.0	2012.5	2012.5
SD	1.4	15.6	17.0	4.9	4.9
%RSD	9.1	0.7	31.4	0.2	0.2

APPARENT CONCENTRATIONS
Identity 1 : ICSAB Identity 2 : Type : ICSAB
Weight : 1.0000 Volume : 1.00 Printed : 1:18:38 PM January 31, 2008

010057

		K_766 ppm	Li670 ppm	Na589 ppm	Sc	Sc361 ppm
# 1	L	-0.1571	1.0478	0.0275	2009.000	93.9479
# 2	L	-0.1954	1.0539	0.0992	2016.000	94.2763
Mean	L	-0.1762	1.0508	0.0634	2012.500	94.1121
SD		0.0271	0.0043	0.0507	4.950	0.2322
%RSD		15.3806	0.4106	80.0512	0.246	0.2467

Checking interference check standard ...
Identity 1 : ICSAB Identity 2 :

Report name	Low limit	Value	High limit
Li670	0.800	1.051	1.200

BACKGROUND CORRECTED INTENSITIES
Identity 1 : CLP_CCV_SC Identity 2 : Type : CV
Weight : 1.0000 Volume : 1.00 Printed : 1:21:42 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	1164.0	11878.0	10475.0	2185.0	2185.0
# 2	1146.0	11774.0	10392.0	2168.0	2168.0
Mean	1155.0	11826.0	10433.5	2176.5	2176.5
SD	12.7	73.5	58.7	12.0	12.0
%RSD	1.1	0.6	0.6	0.6	0.6

APPARENT CONCENTRATIONS
Identity 1 : CLP_CCV_SC Identity 2 : Type : CV
Weight : 1.0000 Volume : 1.00 Printed : 1:21:42 PM January 31, 2008

	K_766 ppm	Li670 ppm	Na589 ppm	Sc	Sc361 ppm
# 1	19.5421	4.8436	28.9618	2185.000 H	102.2050
# 2	19.3872	4.8389	28.9576	2168.000 H	101.4075
Mean	19.4647	4.8412	28.9597	2176.500 H	101.8062
SD	0.1096	0.0034	0.0030	12.021	0.5640
%RSD	0.5628	0.0694	0.0102	0.552	0.5540

Checking calibration verification ...
Identity 1 : CLP_CCV_SC Identity 2 :

Report name	Low limit	Value	High limit
K_766	18.000	19.465	22.000
Li670	4.500	4.841	5.500
Na589	27.000	28.960	33.000

BACKGROUND CORRECTED INTENSITIES
Identity 1 : Calibration blank Identity 2 : Type : CB
Weight : 1.0000 Volume : 1.00 Printed : 1:24:46 PM January 31, 2008

	K_766	Li670	Na589	Sc	Sc361
# 1	12.5	-9.5	43.5	2188.5	2188.5
# 2	19.5	-11.5	18.5	2153.5	2153.5
Mean	16.0	-10.5	31.0	2171.0	2171.0
SD	4.9	1.4	17.7	24.7	24.7
%RSD	30.9	13.5	57.0	1.1	1.1

APPARENT CONCENTRATIONS
Identity 1 : Calibration blank Identity 2 : Type : CB
Weight : 1.0000 Volume : 1.00 Printed : 1:24:46 PM January 31, 2008

		K_766 ppm	Li670 ppm	Na589 ppm	Sc	Sc361 ppm
# 1	L	-0.2510	0.0072	0.0213	2188.500 H	102.3692
# 2	L	-0.1254	0.0063 L	-0.0472	2153.500 H	100.7272
Mean	L	-0.1882	0.0067 L	-0.0130	2171.000 H	101.5482
SD		0.0888	0.0006	0.0484	24.749	1.1611
%RSD		47.1745	9.3536	373.4747	1.140	1.1434

010058

Checking calibration blank ...

Identity 1 : Calibration blank		Identity 2 :
Report name	CRDL	Value
t_766	0.250	-0.188
Li670	0.010	0.007
Na589	0.050	-0.013
Sc361	0.000	101.548

QC STD. ID's	
CCV	080404A
CRI	
ICSA	
ICSAB	080404A

ICP CAL.STD. ID's	
Std0	080404A
Std1	
Std2	010059
Std3	
Std4	
Std5	
Std6	080404

☐ 200.7 TAP No. 01-0406-028 Rev3/Jan06

☑ 6010B TAP No. 01-0406-130 Rev5/Jan06

☐ SWRI TAP No. 01-0406-148 Rev0/Apr07

☐ Other_____

Linear Range run Date: **5-14-2007**

IDL run date: **03-27-07**

IEC run date: **12-16-07**

Fe s Th

PROJ. NO.	PROJECT	TO#	DATE	MATRIX	LOGBK PG
14002.01.171	D.V. 20	080114-6	1-31-08	Liquid	70-184

INSTRUMENT: TRACE1 FILENAME: A080131

2-18-8

Analyst/Date

File converted to wsl? ☐

Method: DAILY1 Standard: blk
Run Time: 01/31/08 10:58:24

010060

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Avge	-.0000	.0012	-.0001	.0010	-.0000	.0000	-.0000
SDev	.0000	.0000	.0001	.0000	.0000	.0000	.0000
%RSD	111.5	2.557	99.97	.4942	27.21	1.116	4403.
#1	-.0000	.0012	-.0000	.0010	-.0000	.0000	.0000
#2	-.0000	.0012	-.0002	.0010	-.0001	.0000	-.0000

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Avge	.0000	-.0001	-.0000	-.0000	.0004	-.0000	.0022
SDev	.0000	.0000	.0000	.0000	.0000	.0000	.0001
%RSD	4.542	27.96	27.08	4403.	.3210	391.1	6.458
#1	.0000	-.0000	-.0000	.0000	.0004	.0000	.0021
#2	.0000	-.0001	-.0000	-.0000	.0004	-.0000	.0023

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Avge	.0005	-.0000	-.0000	.0000	-.0001	-.0001	-.0002
SDev	.0000	.0000	.0000	.0000	.0000	.0008	.0000
%RSD	3.292	24.63	36.90	81.89	58.80	559.4	16.87
#1	.0005	-.0000	-.0000	.0000	-.0000	.0004	-.0002
#2	.0005	-.0000	-.0000	.0000	-.0001	-.0007	-.0003

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Avge	-.0002	.0004	.0001	.0002	-.0000	.0005	.0000
SDev	.0001	.0000	.0000	.0001	.0000	.0000	.0000
%RSD	54.17	.4688	26.14	51.54	39.58	6.784	13.94
#1	-.0001	.0004	.0001	.0003	-.0000	.0004	.0000
#2	-.0003	.0004	.0001	.0001	-.0000	.0005	.0000

Elem	Sc3613	1960/1	1960/2	Si2881	Sn1899	Sr4215	Th2837
Avge	33.44	-.0007	.0006	.0017	-.0000	-.0000	.0000
SDev	1.52	.0001	.0001	.0001	.0000	.0000	.0000
%RSD	4.547	20.97	15.93	5.282	43.06	4.542	12.48
#1	34.52	-.0006	.0007	.0017	-.0000	-.0000	.0000
#2	32.37	-.0008	.0005	.0018	-.0000	-.0000	.0000

Elem	Ti3372	Tl1908	U_3859	V_2924	W_2079	Y_3710	Zn2062
Avge	-.0015	-.0001	.0037	-.0000	.0002	-.0000	-.0000
SDev	.0001	.0000	.0000	.0000	.0001	.0000	.0000
%RSD	5.705	5.336	.4015	141.4	31.06	199.6	51.14
#1	-.0014	-.0001	.0037	.0000	.0003	.0000	-.0000
#2	-.0015	-.0001	.0037	-.0000	.0002	-.0000	-.0000

Elem	Zr3496
Avge	.0001
SDev	.0001
%RSD	232.9
#1	.0001
#2	-.0000

1-31-08

2/1/08

010061

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	334406	10000	--	--	--	--	--
SDev	15189.36	.0000000	--	--	--	--	--
%RSD	4.542185	.0000000	--	--	--	--	--
#1	345147	10000	--	--	--	--	--
#2	323666	10000	--	--	--	--	--

Method: DAILY1 Standard: clp_std4
Run Time: 01/31/08 11:03:00

010062

Elem	Ag3280	As1890	2203/1	2203/2	Sb2068	1960/1	1960/2
Avge	.0506	.1375	.4350	.5196	.1349	.2498	.4402
SDev	.0003	.0007	.0154	.0082	.0005	.0056	.0135
%RSD	.5875	.5150	3.531	1.580	.3489	2.246	3.056
#1	.0503	.1370	.4242	.5254	.1352	.2458	.4497
#2	.0508	.1380	.4459	.5138	.1345	.2537	.4307

Elem	Tl1908
Avge	.0558
SDev	.0002
%RSD	.4265
#1	.0556
#2	.0559

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	338047	10000	--	--	--	--	--
SDev	9175.418	.0000000	--	--	--	--	--
%RSD	2.714243	.0000000	--	--	--	--	--
#1	344535	10000	--	--	--	--	--
#2	331559	10000	--	--	--	--	--

010063

Method: DAILY1 Standard: clp_std1
Run Time: 01/31/08 11:06:53

Elem	Al3082	Ca3179	Fe2714	K_7664	Li6707	Mg2790	Na3302
Avge	.1425	.1282	.1040	1.725	3.741	.0522	.0131
SDev	.0008	.0001	.0004	.014	.027	.0002	.0001
%RSD	.5976	.0550	.3616	.7875	.7251	.3405	.9997
#1	.1419	.1282	.1038	1.716	3.722	.0520	.0130
#2	.1431	.1283	.1043	1.735	3.761	.0523	.0132

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	312354	10000	--	--	--	--	--
SDev	3451.388	.0000000	--	--	--	--	--
%RSD	1.104959	.0000000	--	--	--	--	--
#1	309914	10000	--	--	--	--	--
#2	314795	10000	--	--	--	--	--

Method: DAILY1 Standard: clp_std5
Run Time: 01/31/08 11:10:47

010064

Elem	B_2496	Bi2230	Mo2020	P_1782	Si2881	Sn1899	Sr4215
Avge	.3494	.0673	.2093	.1358	.1167	.2535	1.694
SDev	.0081	.0005	.0006	.0014	.0009	.0009	.006
%RSD	2.328	.7049	.2884	1.014	.7477	.3716	.3371
#1	.3436	.0670	.2098	.1348	.1160	.2528	1.698
#2	.3551	.0676	.2089	.1367	.1173	.2541	1.690

Elem	Ti3372
Avge	1.025
SDev	.002
%RSD	.1660
#1	1.026
#2	1.023

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	329592	10000	--	--	--	--	--
SDev	5439.773	.0000000	--	--	--	--	--
%RSD	1.650459	.0000000	--	--	--	--	--
#1	325745	10000	--	--	--	--	--
#2	333438	10000	--	--	--	--	--

Method: DAILY1 Standard: clp_std2
Run Time: 01/31/08 11:14:19

010065

Elem	Ba4934	Be3130	Cr2677	Cu3247	Ni2316
Avge	.6970	.1514	.3223	.3061	.7177
SDev	.0027	.0013	.0029	.0005	.0110
%RSD	.3901	.8252	.9067	.1710	1.536
#1	.6951	.1505	.3202	.3064	.7099
#2	.6989	.1523	.3244	.3057	.7255

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	328684	10000	--	--	--	--	--
SDev	2861.661	.0000000	--	--	--	--	--
%RSD	.8706407	.0000000	--	--	--	--	--
#1	330708	10000	--	--	--	--	--
#2	326661	10000	--	--	--	--	--

Method: DAILY1 Standard: clp_std3
Run Time: 01/31/08 11:17:50

010066

Elem	Cd2265	Co2286	Mn2576	V_2924	Zn2062
Avge	1.099	.2829	.4627	.0794	.0888
SDev	.009	.0007	.0024	.0003	.0010
%RSD	.7956	.2339	.5266	.4269	1.118
#1	1.105	.2833	.4644	.0796	.0895
#2	1.093	.2824	.4610	.0791	.0881

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	317676	10000	--	--	--	--	--
SDev	5921.312	.0000000	--	--	--	--	--
%RSD	1.863947	.0000000	--	--	--	--	--
#1	321863	10000	--	--	--	--	--
#2	313489	10000	--	--	--	--	--

Method: DAILY1 Standard: clp_std6
Run Time: 01/31/08 11:21:44

010067

Elem	La4086	Na5889	Pd3404	S_1820	Th2837	U_3859	W_2079
Avge	.3862	.1471	.1474	.0729	.0657	.0358	.1551
SDev	.0002	.0042	.0006	.0003	.0010	.0000	.0019
%RSD	.0612	2.829	.4373	.3727	1.527	.1080	1.235
#1	.3860	.1441	.1469	.0727	.0650	.0359	.1537
#2	.3864	.1500	.1478	.0730	.0664	.0358	.1565

Elem	Y_3710	Zr3496
Avge	.9988	1.241
SDev	.0009	.003
%RSD	.0899	.2026
#1	.9982	1.239
#2	.9995	1.243

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	340095	10000	--	--	--	--	--
SDev	10156.88	.0000000	--	--	--	--	--
%RSD	2.986484	.0000000	--	--	--	--	--
#1	332913	10000	--	--	--	--	--
#2	347277	10000	--	--	--	--	--

Standardization Report 01/31/08 11:26:11 AM page 1

Method: DAILY1 Slope = Conc(SIR)/IR 010068

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	clp_std4	blk	39.5509	.000577	01/31/08 11:21:44
Al3082	308.215	clp_std1	blk	353.681	-.414306	01/31/08 11:21:44
As1890	189.042	clp_std4	blk	72.6441	.009336	01/31/08 11:21:44
B_2496	249.678	clp_std5	blk	28.7035	-.028923	01/31/08 11:21:44
Ba4934	493.409	clp_std2	blk	14.3464	.000669	01/31/08 11:21:44
Be3130	313.042	clp_std2	blk	33.0359	-.001235	01/31/08 11:21:44
Bi2230	223.061	clp_std5	blk	73.6999	.000071	01/31/08 11:21:44
Ca3179	317.933	clp_std1	blk	389.951	-.001167	01/31/08 11:21:44
Cd2265	226.502	clp_std3	blk	9.09856	.000493	01/31/08 11:21:44
Co2286	228.616	clp_std3	blk	35.3486	.000946	01/31/08 11:21:44
Cr2677	267.716	clp_std2	blk	31.0275	.000018	01/31/08 11:21:44
Cu3247	324.753	clp_std2	blk	32.7142	-.013110	01/31/08 11:21:44
Fe2714	271.441	clp_std1	blk	480.569	.003154	01/31/08 11:21:44
K_7664	766.491	clp_std1	blk	29.0149	-.064040	01/31/08 11:21:44
La4086	408.672	clp_std6	blk	25.0320	-.012697	01/31/08 11:21:44
Li6707	670.784	clp_std1	blk	2.67282	.000028	01/31/08 11:21:44
Mg2790	279.078	clp_std1	blk	478.930	.009388	01/31/08 11:21:44
Mn2576	257.610	clp_std3	blk	21.6131	-.000159	01/31/08 11:21:44
Mo2020	202.030	clp_std5	blk	47.7623	.002606	01/31/08 11:21:44
Na5889	588.995	clp_std6	blk	6.79204	.001012	01/31/08 11:21:44
Na3302	330.232	clp_std1	blk	3737.14	.897474	01/31/08 11:21:44
Ni2316	231.604	clp_std2	blk	13.9286	.003205	01/31/08 11:21:44
P_1782	178.287	clp_std5	blk	73.8622	-.026839	01/31/08 11:21:44
2203/1	220.351	clp_std4	blk	22.9917	-.001743	01/31/08 11:21:44
2203/2	220.352	clp_std4	blk	19.2524	-.003557	01/31/08 11:21:44
Pd3404	340.458	clp_std6	blk	69.0610	.001667	01/31/08 11:21:44
S_1820	182.040	clp_std6	blk	138.553	-.065357	01/31/08 11:21:44
Sb2068	206.838	clp_std4	blk	74.1596	-.001669	01/31/08 11:21:44
Sc3613	361.384	blk	dark	3.00141	-.380129	01/31/08 11:21:44
1960/1	196.021	clp_std4	blk	39.9374	.026220	01/31/08 11:21:44
1960/2	196.022	clp_std4	blk	22.7511	-.014100	01/31/08 11:21:44
Si2881	288.158	clp_std5	blk	86.5982	-.148563	01/31/08 11:21:44
Pb220	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Se196	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sn1899	189.989	clp_std5	blk	39.4612	.001227	01/31/08 11:21:44
Sr4215	421.552	clp_std5	blk	5.90435	.000018	01/31/08 11:21:44
Th2837	283.730	clp_std6	blk	159.605	-.005949	01/31/08 11:21:44
Ti3372	337.280	clp_std5	blk	9.74522	.014181	01/31/08 11:21:44
Tl1908	190.864	clp_std4	blk	178.849	.022970	01/31/08 11:21:44
U_3859	385.958	clp_std6	blk	311.171	-1.15792	01/31/08 11:21:44
V_2924	292.402	clp_std3	blk	125.962	.000584	01/31/08 11:21:44
W_2079	207.910	clp_std6	blk	32.2789	-.008051	01/31/08 11:21:44
Y_3710	371.030	clp_std6	blk	10.0095	.000141	01/31/08 11:21:44
Zn2062	206.200	clp_std3	blk	112.590	.001022	01/31/08 11:21:44
Zr3496	349.621	clp_std6	blk	8.81047	-.000463	01/31/08 11:21:44

010069

Method: DAILY1

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	blk	.000000	-.000000	.000000
		clp_std4	2.00000	2.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	blk	.000000	-.000000	.000000
		clp_std1	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	blk	.000000	.000000	-.000000
		clp_std4	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	blk	.000000	-.000000	.000000
		clp_std5	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	blk	.000000	.000000	-.000000
		clp_std2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	blk	.000000	-.000000	.000000
		clp_std2	5.00000	5.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi2230	223.061	blk	.000000	-.000000	.000000
		clp_std5	5.00000	4.96090	.039100
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	blk	.000000	.000000	-.000000
		clp_std1	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	blk	.000000	-.000000	.000000
		clp_std3	10.0000	9.99800	.002000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	blk	.000000	.000000	-.000000
		clp_std3	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	blk	.000000	-.000000	.000000
		clp_std2	10.0000	10.0000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	blk	.000000	-.000000	.000000
		clp_std2	10.0000	10.0000	-.000001
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	blk	.000000	.000000	-.000000
		clp_std1	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K_7664	766.491	blk	.000000	-.000000	.000000
		clp_std1	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La4086	408.672	blk	.000000	-.000000	.000000
		clp_std6	10.0000	9.65465	.345349
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li6707	670.784	blk	.000000	.000000	-.000000
		clp_std1	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	blk	.000000	.000000	-.000000
		clp_std1	25.0000	24.9870	.013000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	blk	.000000	.000000	-.000000
		clp_std3	10.0000	9.99979	.000210
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	blk	.000000	.000000	-.000000
		clp_std5	10.0000	10.0011	-.001080
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na5889	588.995	blk	.000000	.000000	-.000000
		clp_std6	1.00000	1.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na3302	330.232	blk	.000000	.000000	-.000000
		clp_std1	50.0000	49.9370	.063049
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	blk	.000000	.000000	-.000000
		clp_std2	10.0000	10.0000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P_1782	178.287	blk	.000000	-.000000	.000000
		clp_std5	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	blk	.000000	-.000000	.000000
		clp_std4	10.0000	10.0000	-.000036
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	blk	.000000	.000000	-.000000
		clp_std4	10.0000	10.0000	-.000032
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd3404	340.458	blk	.000000	-.000000	.000000
		clp_std6	10.0000	10.1801	-.180079
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
S_1820	182.040	blk	.000000	-.000000	.000000
		clp_std6	10.0000	10.0283	-.028321
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	blk	.000000	-.000000	.000000
		clp_std4	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sc3613	361.384	dark	.000000	.000000	-.000000
		blk	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	blk	.000000	-.000000	.000000
		clp_std4	10.0000	10.0007	-.000702
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	blk	.000000	.000000	-.000000
		clp_std4	10.0000	10.0007	-.000713
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si2881	288.158	blk	.000000	-.000000	.000000
		clp_std5	10.0000	9.95385	.046149
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb220	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se196	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	blk	.000000	.000000	-.000000
		clp_std5	10.0000	10.0034	-.003389

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	blk	.000000	.000000	-.000000
		clp_std5	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th2837	283.730	blk	.000000	-.000000	.000000
		clp_std6	10.0000	10.4781	-.478095

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3372	337.280	blk	.000000	-.000000	.000000
		clp_std5	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	blk	.000000	-.000000	.000000
		clp_std4	10.0000	9.99800	.002000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U_3859	385.958	blk	.000000	-.000000	.000000
		clp_std6	10.0000	9.99004	.009959

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	blk	.000000	-.000000	.000000
		clp_std3	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W_2079	207.910	blk	.000000	-.000000	.000000
		clp_std6	5.00000	4.99832	.001680

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y_3710	371.030	blk	.000000	-.000000	.000000
		clp_std6	10.0000	9.99799	.002009

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	blk	.000000	.000000	-.000000
		clp_std3	10.0000	10.0006	-.000620

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr3496	349.621	blk	.000000	-.000000	.000000
		clp_std6	10.0000	10.9322	-.932160

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Method: DAILY1 Sample Name: icv/ccv Operator:
Run Time: 01/31/08 11:26:23
Comment:
Mode: CONC Corr. Factor: 1

010074

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.010	9.621	5.070	5.048	9.904	1.049	5.011
SDev	.009	.045	.013	.021	.087	.001	.036
%RSD	.8474	.4713	.2557	.4158	.8811	.0474	.7114
#1	1.016	9.653	5.079	5.063	9.965	1.048	5.036
#2	1.004	9.589	5.061	5.033	9.842	1.049	4.986
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	10.00	5.000	5.000	10.00	1.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.05	1.004	4.896	1.964	1.973	10.09	Q17.95
SDev	.01	.003	.003	.004	.009	.04	.06
%RSD	.0479	.3000	.0615	.1892	.4663	.4099	.3444
#1	20.05	1.006	4.898	1.962	1.979	10.06	Q18.00
#2	20.04	1.002	4.894	1.967	1.966	10.12	Q17.91
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	20.00	1.000	5.000	2.000	2.000	10.00	20.00
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.938	4.799	20.04	.9756	5.161	Q42.75	Q26.95
SDev	.003	.021	.06	.0009	.003	.03	.65
%RSD	.0644	.4475	.2775	.0909	.0495	.0808	2.419
#1	4.940	4.814	20.08	.9749	5.160	Q42.77	Q27.41
#2	4.936	4.783	20.00	.9762	5.163	Q42.72	Q26.49
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail
Value	5.000	5.000	20.00	1.000	5.000	50.00	50.00
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.877	5.163	5.268	5.020	1.005	1.006	1.003
SDev	.056	.022	.042	.160	.004	.017	.009
%RSD	1.145	.4275	.8062	3.194	.4049	1.698	.8934
#1	4.917	5.148	5.298	4.906	1.008	1.018	1.009
#2	4.838	5.179	5.238	5.133	1.002	.9936	.9968
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	5.000	5.000			1.000	1.000	1.000
Range	10.00	10.00			10.00	10.00	10.00

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010075

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.47	5.582	5.211	4.974	5.097	5.329	4.925
SDev	.29	.014	.180	.016	.093	.115	.017
%RSD	.2981	.2562	3.457	.3304	1.817	2.162	.3377
#1	97.27	5.592	5.083	4.985	5.032	5.248	4.937
#2	97.68	5.571	5.338	4.962	5.163	5.411	4.913
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				5.000	5.000	5.000	5.000
Range				10.00	10.00	10.00	10.00

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.944	1.010	4.995	5.325	1.002	4.920	.9650
SDev	.012	.007	.017	.014	.001	.007	.0060
%RSD	.2346	.7068	.3402	.2649	.0673	.1364	.6252
#1	4.952	1.005	5.007	5.335	1.002	4.915	.9693
#2	4.936	1.015	4.983	5.315	1.001	4.925	.9607
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	1.000	5.000	5.000	1.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.049	.9902	4.977
SDev	.009	.0007	.006
%RSD	.1822	.0716	.1285
#1	5.043	.9907	4.981
#2	5.056	.9897	4.972
Errors	QC Pass	QC Pass	QC Pass
Value	5.000	1.000	5.000
Range	10.00	10.00	10.00

010076

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	326004	10000	--	--	--	--	--
SDev	958.1297	.0000000	--	--	--	--	--
%RSD	.2939008	.0000000	--	--	--	--	--
#1	325327	10000	--	--	--	--	--
#2	326682	10000	--	--	--	--	--

Method: DAILY1 Sample Name: icb/ccb Operator:
Run Time: 01/31/08 11:31:00
Comment:
Mode: CONC Corr. Factor: 1

010077

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0165	.0025	.0054	.0002	.0000	.0020
SDev	.0009	.0212	.0011	.0034	.0001	.0001	.0007
%RSD	459.7	128.3	43.74	63.06	48.77	785.5	34.49
#1	.0004	.0315	.0033	.0078	.0003	.0001	.0024
#2	-.0008	.0015	.0017	.0030	.0001	-.0001	.0015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0002	.0001	-.0014	-.0004	-.0379	-.0112
SDev	.0026	.0005	.0005	.0008	.0020	.0367	.0080
%RSD	138.3	350.0	929.1	61.92	527.4	97.01	72.04
#1	.0037	.0005	.0004	-.0020	-.0018	L-.0638	-.0055
#2	.0000	-.0002	-.0003	-.0008	.0010	-.0119	-.0169
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0000	.0063	-.0001	.0009	L-.0506	L-.1671
SDev	.0006	.0001	.0021	.0002	.0016	.0008	.0060
%RSD	101.0	238.8	33.00	420.2	186.6	1.483	3.593
#1	.0010	.0001	.0078	-.0002	-.0003	L-.0501	L-.1714
#2	.0002	-.0000	.0049	.0001	.0020	L-.0512	L-.1629
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	.0119	.0057	-.0013	.0022	.0039	.0025
SDev	.0016	.0018	.0002	.0021	.0008	.0053	.0008
%RSD	88.37	15.41	4.153	156.8	37.05	136.5	34.06
#1	-.0029	.0132	.0055	-.0028	.0016	.0076	.0031
#2	-.0007	.0106	.0059	.0001	.0027	.0001	.0019
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010078

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	94.53	.0015	-.0008	.0094	.0010	-.0000	.0028
SDev	.47	.0058	.0037	.0023	.0014	.0005	.0022
%RSD	.4921	390.0	441.6	24.78	142.3	1985.	79.31
#1	94.20	.0056	-.0034	H.0110	-.0000	-.0004	.0044
#2	94.86	-.0026	.0018	.0077	.0020	.0003	.0012
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0012	.0004	.0021	.0127	-.0012	.0045
SDev	.0001	.0016	.0008	.0055	.0105	.0014	.0018
%RSD	79.31	133.5	196.4	263.8	82.78	118.7	40.14
#1	.0003	-.0024	.0010	.0060	.0202	-.0022	.0032
#2	.0001	-.0001	-.0002	-.0018	.0053	-.0002	.0058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0000	.0010	-.0007
SDev	.0002	.0010	.0018
%RSD	11850.	99.54	270.7
#1	-.0002	.0003	-.0019
#2	.0002	.0017	.0006
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010079

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	316191	10000	--	--	--	--	--
SDev	1534.422	.0000000	--	--	--	--	--
%RSD	.4852832	.0000000	--	--	--	--	--
#1	315106	10000	--	--	--	--	--
#2	317276	10000	--	--	--	--	--

Method: DAILY1 Sample Name: cri Operator: 010080
Run Time: 01/31/08 11:35:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0212	.1114	.0244	.1026	.0206	.0103	.0044
SDev	.0006	.0152	.0028	.0015	.0000	.0003	.0021
%RSD	2.818	13.61	11.32	1.468	.0278	2.448	46.85
#1	.0217	.1221	.0224	.1036	.0206	.0101	.0030
#2	.0208	.1006	.0263	.1015	.0206	.0104	.0059
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0200	.1000	.0200	.1000	.0200	.0100	
Range	50.00	50.00	50.00	50.00	50.00	50.00	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0100	.0970	.0204	.0487	.1135	.0395
SDev	.0028	.0002	.0002	.0002	.0004	.0090	.0248
%RSD	127.3	2.085	.2225	1.141	.7659	7.941	62.80
#1	.0042	.0098	.0971	.0202	.0484	.1071	.0570
#2	.0002	.0101	.0968	.0205	.0489	.1198	.0219
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value		.0100	.1000	.0200	.0500	.1000	
Range		50.00	50.00	50.00	50.00	50.00	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0806	.0086	.0293	.0227	-.0513	.3340
SDev	.0004	.0006	.0012	.0000	.0012	.0012	.0648
%RSD	48.23	.7588	13.39	.0589	5.393	2.277	19.41
#1	.0013	.0802	.0078	.0293	.0218	-.0521	.3799
#2	.0006	.0811	.0095	.0293	.0236	-.0504	.2882
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value		.1000		.0300	.0200		
Range		50.00		50.00	50.00		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0812	.1135	.0118	.0026	.0035	.0091	.1287
SDev	.0004	.0056	.0040	.0017	.0017	.0112	.0047
%RSD	.4854	4.932	33.40	67.33	48.84	123.5	3.622
#1	.0809	.1095	.0090	.0038	.0023	.0012	.1254
#2	.0815	.1175	.0146	.0014	.0047	.0171	.1320
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.0800	.1000					.1200
Range	50.00	50.00					50.00

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010081

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	91.47	.0223	.0013	.1149	.0057	.0083	.0983
SDev	3.49	.0134	.0060	.0001	.0001	.0004	.0033
%RSD	3.811	60.09	482.9	.0961	2.719	5.239	3.389
#1	89.01	.0128	.0055	.1149	.0056	.0080	.0960
#2	93.94	.0318	-.0030	.1148	.0058	.0086	.1007
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				.1000	.0060	.0100	.1000
Range				50.00	50.00	50.00	50.00

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0209	.0024	.0214	.0241	.2394	.0979	.0024
SDev	.0001	.0018	.0013	.0053	.0091	.0004	.0040
%RSD	.5304	75.86	6.182	22.08	3.799	.4050	166.5
#1	.0210	.0011	.0205	.0203	.2459	.0977	.0052
#2	.0209	.0036	.0223	.0278	.2330	.0982	-.0004
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	.0200		.0200	.0200		.1000	
Range	50.00		50.00	50.00		50.00	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0003	.0394	.1033
SDev	.0001	.0004	.0014
%RSD	32.22	.9352	1.325
#1	.0002	.0392	.1023
#2	.0003	.0397	.1043
Errors	NOCHECK	QC Pass	NOCHECK
Value		.0400	
Range		50.00	

010082

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	305998	10000	--	--	--	--	--
SDev	11605.74	.0000000	--	--	--	--	--
%RSD	3.792745	.0000000	--	--	--	--	--
#1	297792	10000	--	--	--	--	--
#2	314205	10000	--	--	--	--	--

Analysis Report QC Standard 01/31/08 11:44:40 AM page 1

Method: DAILY1 Sample Name: icsa Operator:
Run Time: 01/31/08 11:40:13
Comment:
Mode: CONC Corr. Factor: 1

010083

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	497.5	.0093	.0008	.0010	.0001	.0035
SDev	.0004	.1	.0039	.0017	.0000	.0001	.0047
%RSD	343.0	.0135	42.25	214.8	.5086	95.29	135.1
#1	.0002	497.4	.0065	.0020	.0010	.0000	.0002
#2	-.0004	497.5	.0121	-.0004	.0010	.0002	.0068
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value		500.0					
Range		20.00					

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	481.1	.0087	.0000	-.0015	-.0005	190.1	.0082
SDev	.6	.0001	.0002	.0006	.0001	.1	.0025
%RSD	.1299	1.203	616.0	39.55	17.54	.0305	29.97
#1	480.6	.0088	.0001	-.0011	-.0005	190.2	.0100
#2	481.5	.0087	-.0001	-.0020	-.0004	190.1	.0065
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	500.0					200.0	
Range	20.00					20.00	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0003	525.2	.0001	-.0047	-.0448	.1504
SDev	.0001	.0001	1.1	.0004	.0022	.0005	.1423
%RSD	3.903	24.85	.2133	561.4	45.46	1.152	94.60
#1	.0026	.0003	524.5	.0003	-.0032	-.0452	.0498
#2	.0027	.0002	526.0	-.0002	-.0063	-.0444	.2510
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			500.0				
Range			20.00				

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0079	.0101	.0021	-.0384	.0088	-.0083
SDev	.0010	.0158	.0209	.0111	.0022	.0014	.0000
%RSD	761.9	200.1	207.2	521.8	5.788	15.49	.0403
#1	.0006	-.0033	-.0047	.0099	-.0369	.0097	-.0083
#2	-.0008	.0190	.0248	-.0057	-.0400	.0078	-.0083
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010084

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	85.60	.0403	-.0191	.0015	.0048	.0007	-.0056
SDev	.38	.0393	.0295	.0024	.0004	.0066	.0029
%RSD	.4470	97.45	154.6	164.1	8.814	891.7	52.46
#1	85.87	.0125	.0018	-.0002	.0051	.0054	-.0076
#2	85.33	.0681	-.0400	.0032	.0045	-.0039	-.0035
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	-.0486	.0010	.0004	.2707	-.0033	-.0070
SDev	.0000	.0136	.0004	.0032	.0092	.0009	.0115
%RSD	.0728	27.95	40.80	902.3	3.406	28.47	165.9
#1	.0083	-.0390	.0013	-.0019	.2773	-.0027	.0012
#2	.0083	-.0582	.0007	.0027	.2642	-.0040	-.0151
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0005	-.0008	.0023
SDev	.0002	.0016	.0001
%RSD	28.91	203.4	6.639
#1	-.0004	.0004	.0024
#2	-.0006	-.0020	.0022
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

010085

IntStd	1	2	3	4	5	6	
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	286453	10000	--	--	--	--	--
SDev	1302.491	.0000000	--	--	--	--	--
%RSD	.4546961	.0000000	--	--	--	--	--
#1	287374	10000	--	--	--	--	--
#2	285532	10000	--	--	--	--	--

Method: DAILY1 Sample Name: icsab Operator:
Run Time: 01/31/08 11:44:50
Comment:
Mode: CONC Corr. Factor: 1

010086

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.083	484.7	1.080	1.089	.5185	.5373	.0021
SDev	.007	5.0	.035	.013	.0014	.0030	.0101
%RSD	.6320	1.023	3.218	1.161	.2599	.5589	480.3
#1	1.088	488.2	1.055	1.080	.5176	.5352	-.0050
#2	1.079	481.2	1.105	1.098	.5195	.5395	.0092
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.000	500.0	1.000	1.000	.5000	.5000	
Range	20.00	20.00	20.00	20.00	20.00	20.00	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	475.0	.9650	.4690	.4765	.5450	187.1	.0418
SDev	4.8	.0077	.0043	.0040	.0077	1.5	.0111
%RSD	1.010	.8002	.9158	.8342	1.412	.7890	26.49
#1	478.4	.9595	.4659	.4794	.5395	188.1	.0497
#2	471.6	.9705	.4720	.4737	.5504	186.0	.0340
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	500.0	1.000	.5000	.5000	.5000	200.0	
Range	20.00	20.00	20.00	20.00	20.00	20.00	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	1.165	513.3	.4762	1.028	.0136	.4627
SDev	.0010	.031	2.5	.0020	.001	.0144	.2309
%RSD	22.29	2.621	.4881	.4243	.0630	106.4	49.90
#1	.0039	1.143	515.0	.4777	1.027	.0034	.2995
#2	.0053	1.186	511.5	.4748	1.028	.0238	.6260
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value		1.000	500.0	.5000	1.000		
Range		20.00	20.00	20.00	20.00		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9380	1.058	1.109	1.021	-.0381	.0196	1.064
SDev	.0070	.024	.066	.073	.0134	.0347	.032
%RSD	.7494	2.311	5.914	7.129	35.16	176.6	3.005
#1	.9331	1.041	1.062	1.073	-.0476	-.0049	1.042
#2	.9430	1.076	1.155	.9697	-.0286	.0442	1.087
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	1.000	1.000					1.000
Range	20.00	20.00					20.00

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010087

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	89.07	1.181	1.004	1.029	1.049	1.062	1.035
SDev	7.80	.070	.058	.006	.027	.015	.046
%RSD	8.758	5.959	5.741	.5713	2.540	1.410	4.459
#1	83.56	1.131	1.045	1.025	1.068	1.073	1.003
#2	94.59	1.231	.9635	1.034	1.030	1.051	1.068
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					1.000	1.000	1.000
Range					20.00	20.00	20.00

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.050	-.0381	1.007	1.028	1.299	.4878	.0025
SDev	.003	.0152	.001	.027	.025	.0011	.0227
%RSD	.2833	39.89	.0748	2.635	1.930	.2241	904.8
#1	1.048	-.0274	1.006	1.008	1.281	.4886	-.0136
#2	1.052	-.0489	1.008	1.047	1.317	.4870	.0186
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000		1.000	1.000		.5000	
Range	20.00		20.00	20.00		20.00	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0002	.9440	.9998
SDev	.0001	.0140	.0019
%RSD	72.20	1.488	.1865
#1	-.0001	.9341	1.001
#2	-.0003	.9539	.9985
Errors	NOCHECK	QC Pass	NOCHECK
Value		1.000	
Range		20.00	

Q10088

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	298012	10000	--	--	--	--	--
SDev	25967.79	.0000000	--	--	--	--	--
%RSD	8.713673	.0000000	--	--	--	--	--
#1	279650	10000	--	--	--	--	--
#2	316374	10000	--	--	--	--	--

Method: DAILY1 Sample Name: icv/ccv Operator:
Run Time: 01/31/08 11:49:28 010089
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.016	9.740	5.045	5.109	10.12	1.059	5.053
SDev	.006	.021	.025	.001	.01	.011	.010
%RSD	.5459	.2137	.5039	.0260	.0941	1.026	.2055
#1	1.020	9.755	5.027	5.108	10.13	1.067	5.061
#2	1.012	9.725	5.063	5.110	10.12	1.051	5.046
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	10.00	5.000	5.000	10.00	1.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.60	.9866	4.852	1.945	2.014	9.933	18.20
SDev	.05	.0017	.034	.016	.002	.073	.04
%RSD	.2678	.1757	.7106	.8274	.1085	.7387	.2401
#1	19.64	.9854	4.876	1.957	2.016	9.985	18.23
#2	19.56	.9878	4.827	1.934	2.013	9.881	18.17
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.00	1.000	5.000	2.000	2.000	10.00	20.00
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.997	4.862	20.04	.9702	5.130	Q43.24	Q26.92
SDev	.007	.008	.16	.0078	.003	.02	.51
%RSD	.1361	.1644	.7770	.8095	.0572	.0478	1.899
#1	5.002	4.868	20.15	.9757	5.132	Q43.22	Q27.28
#2	4.992	4.857	19.93	.9646	5.128	Q43.25	Q26.56
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail
Value	5.000	5.000	20.00	1.000	5.000	50.00	50.00
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.869	5.181	5.182	4.907	1.020	1.0000	1.014
SDev	.019	.041	.026	.136	.003	.00906	.001
%RSD	.3883	.7850	.4963	2.769	.2798	.9062	.1000
#1	4.856	5.210	5.201	5.003	1.018	1.006	1.015
#2	4.882	5.153	5.164	4.811	1.022	.9936	1.013
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	5.000	5.000			1.000	1.000	1.000
Range	10.00	10.00			10.00	10.00	10.00

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010090

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	91.15	5.498	5.121	5.020	4.994	5.242	4.849
SDev	2.46	.059	.080	.027	.099	.073	.035
%RSD	2.703	1.078	1.555	.5374	1.984	1.389	.7242
#1	89.41	5.540	5.177	5.039	5.064	5.293	4.874
#2	92.89	5.457	5.065	5.001	4.924	5.190	4.825
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				5.000	5.000	5.000	5.000
Range				10.00	10.00	10.00	10.00

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.008	1.003	5.006	5.280	.9682	4.903	.9625
SDev	.019	.006	.008	.023	.0005	.022	.0053
%RSD	.3872	.5627	.1509	.4330	.0559	.4419	.5454
#1	5.022	1.007	5.001	5.296	.9686	4.919	.9588
#2	4.995	.9994	5.012	5.264	.9678	4.888	.9662
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	1.000	5.000	5.000	1.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.066	.9629	4.999
SDev	.008	.0071	.000
%RSD	.1524	.7337	.0009
#1	5.060	.9679	4.999
#2	5.071	.9579	4.999
Errors	QC Pass	QC Pass	QC Pass
Value	5.000	1.000	5.000
Range	10.00	10.00	10.00

010091

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	304926	10000	--	--	--	--	--
SDev	8235.673	.0000000	--	--	--	--	--
%RSD	2.700880	.0000000	--	--	--	--	--
#1	299102	10000	--	--	--	--	--
#2	310749	10000	--	--	--	--	--

Method: DAILY1 Sample Name: icb/ccb Operator:
Run Time: 01/31/08 11:57:06
Comment:
Mode: CONC Corr. Factor: 1

010092

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0213	.0039	-.0036	.0000	.0000	.0003
SDev	.0013	.0035	.0022	.0028	.0000	.0001	.0024
%RSD	263.0	16.22	56.85	77.88	1.287	776.1	760.9
#1	.0004	-.0237	.0024	-.0016	.0000	.0001	.0020
#2	-.0014	-.0188	H.0055	-.0056	.0000	-.0000	-.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0002	-.0005	-.0011	-.0014	-.0349	.0052
SDev	.0001	.0002	.0012	.0002	.0001	.0111	.0101
%RSD	16.43	115.5	253.7	17.78	10.36	31.78	194.4
#1	.0007	-.0000	-.0013	-.0010	-.0015	-.0271	.0124
#2	.0009	-.0003	.0004	-.0013	-.0013	-.0428	-.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0000	.0022	-.0001	.0006	-.0244	.0492
SDev	.0013	.0000	.0030	.0001	.0004	.0006	.1190
%RSD	397.7	46.95	136.8	89.65	58.78	2.561	241.8
#1	.0006	.0001	.0043	-.0000	.0009	-.0240	H.1334
#2	-.0012	.0000	.0001	-.0002	.0004	-.0249	-.0349
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0003	.0052	-.0022	-.0007	-.0115	-.0008
SDev	.0008	.0089	.0135	.0000	.0036	.0044	.0024
%RSD	161.1	2682.	257.1	.4697	531.0	37.85	296.9
#1	.0001	.0066	-.0043	-.0022	-.0032	-.0084	.0009
#2	-.0010	-.0059	.0147	-.0022	.0018	-.0146	-.0025
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010093

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	111.1	.0052	-.0046	-.0051	.0003	-.0013	-.0003
SDev	4.7	.0115	.0018	.0038	.0045	.0027	.0006
%RSD	4.203	223.0	38.28	75.44	1660.	202.8	207.7
#1	114.4	-.0030	-.0033	-.0024	-.0029	-.0032	-.0007
#2	107.8	.0133	-.0058	-.0078	.0034	.0006	.0001
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0029	-.0014	.0024	.0001	-.0006	.0047
SDev	.0000	.0021	.0004	.0053	.0268	.0003	.0009
%RSD	64.50	73.36	31.86	217.2	22750.	49.72	18.57
#1	.0000	-.0044	-.0011	.0062	.0190	-.0004	.0054
#2	.0000	-.0014	-.0017	-.0013	-.0188	-.0008	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0001	.0004	-.0005
SDev	.0000	.0000	.0006
%RSD	37.95	5.461	117.6
#1	-.0001	.0004	-.0001
#2	-.0002	.0004	-.0009
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010094

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	371309	10000	--	--	--	--	--
SDev	15550.69	.0000000	--	--	--	--	--
%RSD	4.188073	.0000000	--	--	--	--	--
#1	382305	10000	--	--	--	--	--
#2	360313	10000	--	--	--	--	--

Analysis Report 01/31/08 12:06:10 PM page 1

Method: DAILY1 Sample Name: 317121S Operator:
Run Time: 01/31/08 12:01:43 sml sample spiked with sol spiked B657 010095
Comment: 1-31-08
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0355	2.008	2.201	.0008	1.740	.0509	.0009
SDev	.0001	.077	.056	.0011	.027	.0006	.0017
%RSD	.1762	3.839	2.551	134.1	1.546	1.276	203.0
#1	.0354	1.953	2.161	.0015	1.721	.0504	.0021
#2	.0355	2.062	2.240	.0000	1.759	.0513	-.0004

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0463	.0500	.4904	.1959	.2515	.9401	.8255
SDev	.0030	.0002	.0005	.0007	.0017	.0244	.0095
%RSD	6.469	.3344	.1036	.3421	.6782	2.598	1.150
#1	.0484	.0499	.4907	.1954	.2503	.9228	.8323
#2	.0442	.0501	.4900	.1963	.2528	.9573	.8188

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0002	.0101	.4754	.0020	358.0	1949.
SDev	.0016	.0001	.0083	.0013	.0006	2.3	60.
%RSD	69.26	95.47	82.12	.2752	31.72	.6524	3.087
#1	.0035	.0003	.0159	.4744	.0016	356.4	1906.
#2	.0012	.0001	.0042	.4763	.0025	359.7	1991.

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4893	.0287	.5382	.5101	.0014	.3600	.5391
SDev	.0032	.0065	.0037	.0245	.0092	.0127	.0114
%RSD	.6638	22.62	.6951	4.811	674.0	3.535	2.116
#1	.4870	.0333	.5409	.4928	.0078	.3510	.5311
#2	.4916	.0241	.5356	.5275	-.0051	.3690	.5472

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	109.9	2.398	2.251	.1367	.5190	2.297	.0043
SDev	1.5	.119	.079	.0017	.0151	.092	.0019
%RSD	1.371	4.969	3.505	1.244	2.909	4.014	45.39
#1	111.0	2.314	2.195	.1355	.5083	2.232	.0056
#2	108.9	2.482	2.306	.1380	.5296	2.363	.0029

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0034	-.0010	2.159	-.1180	.4789	.0013
SDev	.0001	.0034	.0005	.080	.0204	.0112	.0056
%RSD	13.65	101.4	44.95	3.714	17.33	2.328	438.4
#1	.0005	.0010	-.0007	2.102	-.1035	.4710	.0052
#2	.0004	.0058	-.0014	2.216	-.1324	.4868	-.0027

010096

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0000	.5269	.0001
SDev	.0002	.0065	.0002
%RSD	3127.	1.242	189.2
#1	-.0002	.5223	-.0000
#2	.0001	.5316	.0002

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	367524	10000	--	--	--	--	--
SDev	5026.822	.0000000	--	--	--	--	--
%RSD	1.367752	.0000000	--	--	--	--	--
#1	371079	10000	--	--	--	--	--
#2	363970	10000	--	--	--	--	--

Method: DAILY1 Sample Name: 317128S Operator:
Run Time: 01/31/08 12:06:20 SML SAMPLE SPIKED WITH SOIL SPIKE #6572
Comment: D410097
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0390	2.014	2.195	-.0057	1.750	.0493	.0034
SDev	.0015	.005	.002	.0038	.037	.0001	.0013
%RSD	3.870	.2275	.1128	67.11	2.095	.1774	37.25
#1	.0379	2.011	2.197	-.0030	1.725	.0494	.0042
#2	.0401	2.017	2.193	-.0084	1.776	.0492	.0025

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0183	.0500	.4889	.2022	.2490	.9260	.0328
SDev	.0018	.0001	.0012	.0013	.0043	.0005	.0323
%RSD	9.998	.1800	.2504	.6423	1.734	.0563	98.34
#1	.0196	.0501	.4897	.2031	.2459	.9256	.0556
#2	.0170	.0500	.4880	.2012	.2520	.9264	.0100

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	.0001	.0137	.4703	.0011	313.1	3310.
SDev	.0008	.0001	.0079	.0021	.0000	10.0	8.
%RSD	29.93	56.12	57.60	.4440	2.745	3.189	.2334
#1	.0034	.0002	.0192	.4717	.0011	320.2	3305.
#2	.0022	.0001	.0081	.4688	.0011	306.0	3316.

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4883	.0503	.5628	.5088	.0052	.0188	.5429
SDev	.0006	.0104	.0069	.0002	.0019	.0107	.0050
%RSD	.1329	20.78	1.226	.0461	36.89	56.87	.9145
#1	.4878	.0429	.5579	.5090	.0066	.0264	.5464
#2	.4888	.0576	.5677	.5087	.0038	.0113	.5393

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.5	2.449	2.240	.0513	.5263	2.308	.0002
SDev	2.0	.066	.001	.0010	.0021	.021	.0047
%RSD	1.916	2.682	.0354	2.054	.4068	.9247	2218.
#1	102.1	2.403	2.241	.0505	.5248	2.293	.0036
#2	104.9	2.496	2.240	.0520	.5278	2.323	-.0031

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0004	-.0007	2.123	-.1225	.4708	-.0020
SDev	.0000	.0051	.0005	.008	.0229	.0038	.0026
%RSD	4.386	1292.	73.02	.3760	18.67	.8152	128.3
#1	.0005	-.0032	-.0004	2.129	-.1064	.4735	-.0002
#2	.0004	.0040	-.0011	2.117	-.1387	.4681	-.0039

010098

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0001	.5153	.0004
SDev	.0000	.0045	.0000
%RSD	37.51	.8770	.5983
#1	.0001	.5185	.0004
#2	.0001	.5121	.0004

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	346085	10000	--	--	--	--	--
SDev	6607.206	.0000000	--	--	--	--	--
%RSD	1.909128	.0000000	--	--	--	--	--
#1	341413	10000	--	--	--	--	--
#2	350757	10000	--	--	--	--	--

Method: DAILY1 Sample Name: 316238 DF10 Operator:
Run Time: 01/31/08 12:10:57
Comment:
Mode: CONC Corr. Factor: 1

010099

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.169	105.1	.6498	1.167	.0211	.0876	.0009
SDev	.000	.1	.0050	.005	.0006	.0002	.0005
%RSD	.0405	.0630	.7635	.4494	2.763	.2287	53.50
#1	1.169	105.1	.6533	1.171	.0207	.0874	.0005
#2	1.169	105.0	.6463	1.164	.0215	.0877	.0012

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.636	.0251	.0110	.4121	.0611	2.963	39.35
SDev	.015	.0002	.0005	.0045	.0005	.065	.38
%RSD	.8935	.6536	4.608	1.092	.8205	2.202	.9667
#1	1.625	.0253	.0106	.4089	.0615	2.917	39.61
#2	1.646	.0250	.0114	.4153	.0608	3.009	39.08

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	.0372	.0724	.1317	.2863	253.5	4531.
SDev	.0014	.0001	.0001	.0007	.0021	1.2	7.
%RSD	33.40	.2603	.1111	.5350	.7426	.4599	.1436
#1	.0033	.0372	.0725	.1312	.2848	252.7	4536.
#2	.0054	.0371	.0723	.1322	.2878	254.3	4526.

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1267	5.232	.0603	.0456	.1419	84.91	.0069
SDev	.0002	.036	.0026	.0032	.0001	.10	.0014
%RSD	.1637	.6787	4.388	6.951	.1073	.1167	19.75
#1	.1268	5.258	.0584	.0433	.1418	84.84	.0079
#2	.1265	5.207	.0621	.0478	.1420	84.98	.0060

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	104.5	.0227	-.0043	3.427	.0504	.0047	11.09
SDev	1.5	.0069	.0025	.023	.0030	.0040	.06
%RSD	1.427	30.43	58.39	.6799	5.931	85.16	.5084
#1	105.5	.0275	-.0025	3.410	.0483	.0075	11.05
#2	103.4	.0178	-.0061	3.443	.0525	.0019	11.13

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0150	.0934	.2391	.0158	.3895	.0192	.0232
SDev	.0001	.0048	.0004	.0005	.0205	.0003	.0078
%RSD	.7088	5.145	.1595	3.144	5.265	1.354	33.83
#1	.0149	.0968	.2394	.0161	.3750	.0190	.0176
#2	.0151	.0900	.2389	.0154	.4040	.0194	.0287

010100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0009	.1963	.0067
SDev	.0000	.0014	.0013
%RSD	3.358	.7330	18.88
#1	.0009	.1952	.0076
#2	.0009	.1973	.0058

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	349258	10000	--	--	--	--	--
SDev	4995.709	.0000000	--	--	--	--	--
%RSD	1.430380	.0000000	--	--	--	--	--
#1	352790	10000	--	--	--	--	--
#2	345725	10000	--	--	--	--	--

Method: DAILY1 Sample Name: ZZZZZZ Operator:
Run Time: 01/31/08 12:15:34
Comment:
Mode: CONC Corr. Factor: 1

010101

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0069	.0014	-.0118	.0006	-.0001	.0019
SDev	.0006	.0143	.0003	.0002	.0000	.0000	.0008
%RSD	66.34	207.6	19.20	2.096	4.572	68.22	38.75
#1	.0005	.0170	.0012	-.0116	.0006	-.0000	.0014
#2	.0013	-.0032	.0016	-.0120	.0006	-.0001	.0025

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0002	.0012	.0004	-.0007	-.0151	-.0105
SDev	.0006	.0002	.0004	.0007	.0004	.0012	.0202
%RSD	24.58	103.0	36.71	177.1	55.84	8.173	193.5
#1	.0019	.0000	.0009	.0009	-.0004	-.0143	-.0247
#2	.0027	.0003	.0015	-.0001	-.0009	-.0160	.0038

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0000	.0063	.0000	.0011	.7901	.4337
SDev	.0008	.0001	.0044	.0000	.0004	.8895	.3409
%RSD	151.2	128.0	69.74	570.2	42.15	112.6	78.60
#1	-.0000	-.0001	.0032	.0000	.0014	1.419	.6748
#2	.0011	-.0000	.0094	-.0000	.0007	.1611	.1927

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0074	.0020	-.0025	.0014	-.0040	-.0013
SDev	.0009	.0003	.0037	.0004	.0017	.0233	.0013
%RSD	187.0	3.473	184.2	15.65	119.9	587.6	99.29
#1	-.0001	.0076	-.0006	-.0022	.0002	.0125	-.0022
#2	.0011	.0072	.0047	-.0028	.0026	-.0204	-.0004

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	119.1	.0154	-.0038	.0003	-.0010	.0026	.0024
SDev	5.0	.0046	.0055	.0021	.0010	.0021	.0011
%RSD	4.217	30.16	147.1	698.7	101.0	81.40	44.59
#1	115.6	.0121	.0002	.0018	-.0017	.0042	.0016
#2	122.7	.0187	-.0077	-.0012	-.0003	.0011	.0031

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0002	-.0001	.0010	.0230	.0004	-.0028
SDev	.0000	.0006	.0009	.0010	.0317	.0002	.0047
%RSD	62.54	297.7	1365.	99.41	137.6	48.51	169.1
#1	.0000	.0006	-.0007	.0017	.0006	.0006	-.0060
#2	.0000	-.0002	.0006	.0003	.0454	.0003	.0005

010102

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0002	.0002	.0008
SDev	.0000	.0000	.0001
%RSD	21.95	15.66	12.54
#1	.0002	.0002	.0008
#2	.0001	.0002	.0007

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	398046	10000	--	--	--	--	--
SDev	16718.12	.0000000	--	--	--	--	--
%RSD	4.200054	.0000000	--	--	--	--	--
#1	386224	10000	--	--	--	--	--
#2	409867	10000	--	--	--	--	--

Method: DAILY1 Sample Name: CRI Operator:
Run Time: 01/31/08 12:20:12
Comment:
Mode: CONC Corr. Factor: 1

010103

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0208	.0785	.0227	.0928	.0207	.0109	-.0006
SDev	.0004	.0022	.0008	.0004	.0002	.0000	.0006
%RSD	1.750	2.843	3.496	.4290	.9499	.1491	91.72
#1	.0211	.0801	.0232	.0925	.0208	.0109	-.0002
#2	.0206	.0769	.0221	.0931	.0205	.0109	-.0010
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0300		.0300	.1500	.0300	.0150	
Low	.0100		.0100	.0500	.0100	.0050	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0105	.1008	.0203	.0472	.1019	.0010
SDev	.0001	.0000	.0011	.0004	.0002	.0022	.0024
%RSD	2.761	.3511	1.077	1.914	.4773	2.158	249.5
#1	.0031	.0105	.1015	.0206	.0470	.1004	-.0007
#2	.0030	.0105	.1000	.0200	.0473	.1035	.0027
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High		.0150	.1500	.0300	.0750	.1500	
Low		.0050	.0500	.0100	.0250	.0500	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0812	.0088	.0298	.0218	.1217	.2652
SDev	.0004	.0004	.0009	.0003	.0013	.0104	.1158
%RSD	30.76	.5426	9.738	1.134	5.707	8.529	43.68
#1	.0010	.0815	.0082	.0300	.0227	.1144	.3472
#2	.0015	.0809	.0094	.0295	.0209	.1291	.1833
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High		.1500		.0450	.0300		
Low		.0500		.0150	.0100		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0819	.1074	.0090	.0021	.0019	-.0128	.1295
SDev	.0031	.0021	.0050	.0005	.0019	.0011	.0006
%RSD	3.817	1.956	55.64	25.66	96.77	8.407	.4947
#1	.0841	.1089	.0055	.0025	.0032	-.0121	.1299
#2	.0797	.1060	.0126	.0017	.0006	-.0136	.1290
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.1200	.1500					.1800
Low	.0400	.0500					.0600

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010104

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	114.3	.0258	.0079	.1075	.0044	.0139	.1053
SDev	1.0	.0040	.0023	.0046	.0013	.0029	.0024
%RSD	.8784	15.45	29.00	4.249	29.67	20.57	2.320
#1	115.0	.0286	.0096	.1043	.0035	H.0159	.1070
#2	113.6	.0230	.0063	.1108	.0054	.0119	.1035
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.1500	.0090	.0150	.1500
Low				.0500	.0030	.0050	.0500

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0209	.0017	.0211	.0246	.2456	.0982	.0044
SDev	.0001	.0032	.0002	.0026	.0073	.0003	.0051
%RSD	.5365	187.0	.8290	10.71	2.960	.3273	116.0
#1	.0210	.0040	.0212	.0264	.2508	.0984	.0008
#2	.0208	-.0006	.0210	.0227	.2405	.0980	.0080
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	.0300		.0300	.0300		.1500	
Low	.0100		.0100	.0100		.0500	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0001	.0408	.1016
SDev	.0000	.0001	.0018
%RSD	.2253	.1727	1.750
#1	.0001	.0408	.1004
#2	.0001	.0407	.1029
Errors	NOCHECK	LC Pass	NOCHECK
High		.0600	
Low		.0200	

010105

IntStd	1	2	3	4	5	6	
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	382167	10000	--	--	--	--	--
SDev	3348.858	.0000000	--	--	--	--	--
%RSD	.8762813	.0000000	--	--	--	--	--
#1	384535	10000	--	--	--	--	--
#2	379799	10000	--	--	--	--	--

Method: DAILY1 Sample Name: ICSA Operator: 010106
Run Time: 01/31/08 12:24:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	479.5	.0116	-.0104	.0012	.0001	.0048
SDev	.0001	3.0	.0046	.0005	.0001	.0001	.0005
%RSD	115.6	.6155	40.11	4.441	5.968	116.2	9.761
#1	-.0001	481.6	.0083	-.0108	.0012	.0001	.0044
#2	-.0000	477.4	.0148	-.0101	.0013	.0000	.0051
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		600.0					
Low		400.0					

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	480.3	.0091	.0015	-.0009	-.0007	191.7	-.0046
SDev	1.4	.0002	.0002	.0016	.0008	1.1	.0003
%RSD	.2919	2.566	14.11	177.3	124.8	.5725	7.240
#1	481.3	.0089	.0017	-.0020	-.0012	190.9	-.0048
#2	479.3	.0092	.0014	.0002	-.0001	192.5	-.0043
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	600.0					240.0	
Low	400.0					160.0	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0003	522.4	.0001	-.0056	.0354	.1701
SDev	.0011	.0001	1.0	.0004	.0028	.0099	.0793
%RSD	34.87	13.97	.1857	564.1	50.89	28.07	46.63
#1	.0024	.0004	523.0	-.0002	-.0076	.0284	.2262
#2	.0040	.0003	521.7	.0004	-.0036	.0424	.1140
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High			600.0				
Low			400.0				

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0160	.0034	.0053	-.0296	-.0112	.0001
SDev	.0005	.0002	.0225	.0072	.0020	.0171	.0176
%RSD	45.35	1.040	671.3	136.7	6.900	153.3	33200.
#1	.0008	.0161	.0193	.0002	-.0281	-.0233	-.0124
#2	.0015	.0159	-.0126	.0104	-.0310	.0009	.0125
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010107

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	107.6	.0293	-.0137	.0001	.0046	.0007	.0081
SDev	5.1	.0074	.0104	.0044	.0027	.0045	.0098
%RSD	4.738	25.31	76.04	7666.	57.54	670.5	121.5
#1	104.0	.0345	-.0210	-.0031	.0065	-.0025	.0011
#2	111.2	.0241	-.0063	.0032	.0028	.0038	.0150
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	-.0321	.0016	.0164	.2822	-.0026	.0035
SDev	.0000	.0128	.0009	.0010	.0281	.0019	.0134
%RSD	.5446	39.83	53.95	6.166	9.954	72.26	388.9
#1	.0082	-.0411	.0010	.0157	.2623	-.0039	-.0060
#2	.0083	-.0230	.0022	.0171	.3020	-.0013	.0130
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0006	.0019	.0023
SDev	.0004	.0043	.0007
%RSD	56.63	227.6	31.91
#1	-.0009	-.0012	.0018
#2	-.0004	.0049	.0028
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

010108

IntStd	1	2	3	4	5	6	
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	359828	10000	--	--	--	--	--
SDev	16971.27	.0000000	--	--	--	--	--
%RSD	4.716488	.0000000	--	--	--	--	--
#1	347828	10000	--	--	--	--	--
#2	371829	10000	--	--	--	--	--

Method: DAILY1 Sample Name: ICSAB Operator: 010109
Run Time: 01/31/08 12:29:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.083	476.0	1.112	1.097	.5161	.5463	-.0034
SDev	.007	7.0	.003	.009	.0095	.0011	.0080
%RSD	.6295	1.460	.2927	.8467	1.834	.1938	231.8
#1	1.078	471.0	1.110	1.091	.5094	.5471	.0022
#2	1.088	480.9	1.115	1.104	.5228	.5456	-.0091
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.200	600.0	1.200	1.200	.6000	.6000	
Low	.8000	400.0	.8000	.8000	.4000	.4000	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	474.7	.9791	.4808	.4803	.5519	189.8	-.0040
SDev	6.1	.0122	.0077	.0074	.0028	2.3	.0108
%RSD	1.284	1.245	1.605	1.544	.5137	1.234	267.1
#1	470.4	.9704	.4753	.4750	.5499	188.2	-.0117
#2	479.0	.9877	.4862	.4855	.5539	191.5	.0036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	1.200	.6000	.6000	.6000	240.0	
Low	400.0	.8000	.4000	.4000	.4000	160.0	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	1.179	516.0	.4807	1.036	.0646	.0781
SDev	.0023	.000	8.1	.0068	.015	.0008	.1784
%RSD	55.10	.0064	1.569	1.418	1.436	1.196	228.4
#1	.0059	1.179	510.3	.4759	1.026	.0651	.2042
#2	.0026	1.179	521.8	.4855	1.047	.0640	-.0480
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High		1.200	600.0	.6000	1.200		
Low		.8000	400.0	.4000	.8000		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9359	1.113	1.054	1.037	-.0311	-.0066	1.082
SDev	.0242	.008	.066	.029	.0087	.0137	.041
%RSD	2.584	.6784	6.297	2.786	27.98	206.7	3.744
#1	.9188	1.107	1.007	1.016	-.0250	.0031	1.110
#2	.9530	1.118	1.101	1.057	-.0373	-.0164	1.053
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.200	1.200					1.200
Low	.8000	.8000					.8000

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010110

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.3	1.093	1.040	1.047	1.041	1.057	1.054
SDev	7.9	.075	.021	.000	.041	.039	.021
%RSD	7.617	6.836	1.981	.0472	3.970	3.653	2.006
#1	108.9	1.040	1.026	1.047	1.012	1.029	1.069
#2	97.75	1.146	1.055	1.048	1.071	1.084	1.039
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					1.200	1.200	1.200
Low					.8000	.8000	.8000

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.050	-.0143	1.010	1.060	1.271	.4934	-.0033
SDev	.013	.0202	.004	.008	.030	.0086	.0349
%RSD	1.273	142.0	.4077	.7888	2.398	1.738	1071.
#1	1.041	.0001	1.007	1.066	1.293	.4873	.0214
#2	1.060	-.0286	1.013	1.054	1.250	.4994	-.0279
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	1.200		1.200	1.200		.6000	
Low	.8000		.8000	.8000		.4000	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0004	.9727	1.002
SDev	.0001	.0154	.002
%RSD	25.94	1.579	.1966
#1	-.0005	.9619	1.003
#2	-.0004	.9836	1.000
Errors	NOCHECK	LC Pass	NOCHECK
High		1.200	
Low		.8000	

010111

IntStd	1	2	3	4	5	6	
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	345450	10000	--	--	--	--	--
SDev	26209.62	.0000000	--	--	--	--	--
%RSD	7.587095	.0000000	--	--	--	--	--
#1	363983	10000	--	--	--	--	--
#2	326917	10000	--	--	--	--	--

Method: DAILY1 Sample Name: CCV2 Operator:
Run Time: 01/31/08 12:34:03
Comment:
Mode: CONC Corr. Factor: 1

010112

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.012	9.625	5.282	5.240	9.963	H1.100	5.073
SDev	.018	.086	.062	.004	.004	.006	.014
%RSD	1.782	.8936	1.165	.0762	.0367	.5320	.2842
#1	.9988	9.564	5.325	5.243	9.966	1.096	5.083
#2	1.024	9.686	5.238	5.237	9.960	H1.104	5.063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	1.100	11.00	5.500	5.500	11.00	1.100	5.500
Low	.9000	9.000	4.500	4.500	9.000	.9000	4.500

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.10	1.030	4.987	1.987	2.026	10.26	18.46
SDev	.00	.010	.041	.007	.009	.06	.10
%RSD	.0181	1.004	.8158	.3518	.4643	.6078	.5420
#1	20.10	1.037	5.016	1.992	2.020	10.31	18.53
#2	20.10	1.023	4.958	1.982	2.033	10.22	18.39
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.00	1.100	5.500	2.200	2.200	11.00	22.00
Low	18.00	.9000	4.500	1.800	1.800	9.000	18.00

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.994	4.923	20.21	.9881	5.224	L43.88	L27.40
SDev	.005	.028	.05	.0056	.035	.18	.05
%RSD	.1092	.5696	.2463	.5718	.6692	.4174	.1818
#1	4.998	4.943	20.25	.9921	5.249	L44.01	L27.36
#2	4.990	4.904	20.18	.9841	5.199	L43.75	L27.43
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	5.500	5.500	22.00	1.100	5.500	55.00	55.00
Low	4.500	4.500	18.00	.9000	4.500	45.00	45.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.947	5.447	5.418	5.025	1.033	1.024	1.038
SDev	.045	.000	.117	.013	.001	.015	.003
%RSD	.9009	.0002	2.152	.2570	.0667	1.480	.2601
#1	4.979	5.447	5.501	5.034	1.032	1.013	1.036
#2	4.916	5.447	5.336	5.016	1.033	1.035	1.040
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.500	5.500			1.100	1.100	1.100
Low	4.500	4.500			.9000	.9000	.9000

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010113

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	114.0	5.782	5.337	5.098	5.151	5.480	5.038
SDev	.2	.042	.038	.022	.047	.039	.068
%RSD	.2044	.7335	.7129	.4281	.9208	.7201	1.352
#1	114.2	5.812	5.364	5.082	5.185	H5.508	5.087
#2	113.8	5.752	5.310	5.113	5.118	5.452	4.990
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				5.500	5.500	5.500	5.500
Low				4.500	4.500	4.500	4.500

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.951	1.022	5.040	5.485	.9973	4.977	.9785
SDev	.021	.002	.025	.060	.0280	.007	.0066
%RSD	.4212	.1996	.5004	1.087	2.805	.1437	.6741
#1	4.966	1.020	5.022	H5.527	1.017	4.972	.9739
#2	4.936	1.023	5.057	5.443	.9775	4.982	.9832
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500	5.500	1.100	5.500	1.100
Low	4.500	.9000	4.500	4.500	.9000	4.500	.9000

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.082	1.014	5.038
SDev	.021	.019	.000
%RSD	.4129	1.882	.0095
#1	5.097	1.028	5.038
#2	5.067	1.001	5.038
Errors	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500
Low	4.500	.9000	4.500

010114

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	381049	10000	--	--	--	--	--
SDev	773.5748	.0000000	--	--	--	--	--
%RSD	.2030119	.0000000	--	--	--	--	--
#1	381596	10000	--	--	--	--	--
#2	380502	10000	--	--	--	--	--

Analysis Report 01/31/08 12:43:07 PM page 1

Method: DAILY1 Sample Name: CCB2 Operator: 010115
Run Time: 01/31/08 12:38:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.0014	.0044	-.0077	.0013	.0003	.0002
SDev	.0001	.0039	.0039	.0026	.0007	.0001	.0027
%RSD	6.062	285.6	89.02	34.47	50.93	27.37	1767.
#1	.0009	.0014	.0016	-.0058	.0008	.0002	-.0017
#2	.0010	-.0041	H.0072	-.0095	.0018	.0003	.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0061	.0003	.0007	.0003	-.0004	-.0044	-.0063
SDev	.0042	.0001	.0003	.0001	.0012	.0058	.0230
%RSD	69.29	27.42	36.73	27.05	269.3	132.2	365.9
#1	.0031	.0002	.0006	.0002	.0004	-.0003	.0100
#2	.0091	.0003	.0009	.0004	-.0013	-.0085	-.0225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0005	.0117	.0001	.0021	.0134	H.0552
SDev	.0008	.0003	.0032	.0001	.0008	.0162	.0049
%RSD	57.54	63.49	27.82	71.98	38.78	121.4	8.910
#1	.0008	.0002	.0094	.0001	.0015	.0019	H.0587
#2	.0018	.0007	.0140	.0000	.0027	.0248	H.0517
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0119	.0063	-.0029	.0019	L-.0227	.0007
SDev	.0004	.0124	.0002	.0014	.0008	.0090	.0014
%RSD	38.08	104.0	3.623	48.24	43.72	39.54	182.8
#1	.0009	H.0207	.0065	-.0019	.0024	L-.0290	-.0002
#2	.0015	.0032	.0062	-.0040	.0013	-.0163	.0017
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010116

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	117.1	.0095	-.0015	.0020	.0001	.0022	.0016
SDev	12.5	.0014	.0014	.0029	.0010	.0014	.0013
%RSD	10.72	15.27	95.28	149.4	714.9	63.76	81.97
#1	108.2	.0105	-.0005	.0040	.0009	.0032	.0007
#2	126.0	.0085	-.0024	-.0001	-.0006	.0012	.0025
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0007	.0003	.0096	.0343	.0008	.0014
SDev	.0003	.0021	.0016	.0028	.0009	.0002	.0003
%RSD	55.94	301.1	618.9	28.71	2.703	31.08	23.47
#1	.0004	-.0008	-.0009	H.0116	.0350	.0010	.0017
#2	.0008	.0022	.0014	.0077	.0336	.0006	.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0007	H.0057	.0012
SDev	.0002	.0070	.0002
%RSD	30.32	123.9	17.64
#1	.0006	.0007	.0013
#2	.0009	H.0106	.0010
Errors	LC Pass	LC High	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010117

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	391392	10000	--	--	--	--	--
SDev	41828.19	.0000000	--	--	--	--	--
%RSD	10.68703	.0000000	--	--	--	--	--
#1	361815	10000	--	--	--	--	--
#2	420969	10000	--	--	--	--	--

Method: DAILY1 Sample Name: PBW-A31H1 Operator:
Run Time: 01/31/08 12:43:17 010118
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0020	.0044	-.0112	.0001	.0000	.0012
SDev	.0004	.0063	.0077	.0011	.0000	.0000	.0013
%RSD	283.9	323.1	173.6	10.19	.9653	4.762	107.2
#1	.0004	-.0064	.0099	-.0104	.0001	.0000	.0022
#2	-.0001	.0025	-.0010	-.0121	.0001	.0000	.0003

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0051	.0005	.0023	.0000	.0026	-.0156	-.0054
SDev	.0002	.0002	.0003	.0001	.0003	.0026	.0309
%RSD	4.080	40.48	14.29	639.7	12.99	16.86	569.4
#1	.0052	.0006	.0021	.0001	.0024	-.0174	.0164
#2	.0049	.0003	.0026	-.0001	.0028	-.0137	-.0272

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0000	.0063	-.0000	.0011	.0175	.0064
SDev	.0000	.0000	.0043	.0000	.0008	.0054	.1042
%RSD	16.01	391.1	69.06	3.742	75.45	31.09	1632.
#1	.0002	.0000	.0093	-.0000	.0017	.0136	.0800
#2	.0001	-.0000	.0032	-.0000	.0005	.0213	-.0673

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.0134	.0027	-.0036	.0023	-.0265	-.0008
SDev	.0018	.0062	.0035	.0019	.0007	.0015	.0008
%RSD	48.26	46.22	131.0	52.49	31.21	5.832	99.88
#1	.0024	.0090	.0052	-.0050	.0028	-.0276	-.0002
#2	.0050	.0177	.0002	-.0023	.0018	-.0254	-.0013

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	112.3	.0123	-.0026	.0038	-.0015	.0024	.0021
SDev	5.3	.0017	.0022	.0024	.0001	.0009	.0029
%RSD	4.740	13.75	86.33	62.82	6.597	38.20	133.1
#1	108.5	.0135	-.0041	.0055	-.0016	.0017	.0001
#2	116.1	.0111	-.0010	.0021	-.0015	.0030	.0042

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0008	.0006	.0010	.0413	.0001	-.0018
SDev	.0000	.0034	.0006	.0024	.0238	.0003	.0015
%RSD	245.3	419.7	101.1	236.7	57.70	267.6	81.64
#1	.0000	-.0032	.0002	-.0007	.0581	-.0001	-.0008
#2	-.0000	.0016	.0010	.0027	.0244	.0003	-.0028

010119

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0001	.0009	.0005
SDev	.0001	.0002	.0005
%RSD	190.7	25.82	104.1
#1	-.0000	.0007	.0001
#2	.0002	.0010	.0009

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	375394	10000	--	--	--	--	--
SDev	17726.46	.0000000	--	--	--	--	--
%RSD	4.722101	.0000000	--	--	--	--	--
#1	362859	10000	--	--	--	--	--
#2	387928	10000	--	--	--	--	--

Method: DAILY1 Sample Name: LCSW-A31H1 Operator:
Run Time: 01/31/08 12:47:54
Comment:
Mode: CONC Corr. Factor: 1

010120

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0497	1.856	2.096	-.0139	1.980	.0546	-.0006
SDev	.0014	.012	.013	.0022	.008	.0001	.0034
%RSD	2.858	.6718	.5964	16.07	.3856	.1242	532.3
#1	.0507	1.865	2.105	-.0123	1.985	.0547	.0018
#2	.0487	1.847	2.087	-.0154	1.974	.0546	-.0031

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.88	.0509	.4918	.1951	.2452	.9804	17.62
SDev	.16	.0006	.0038	.0019	.0008	.0010	.04
%RSD	.7631	1.239	.7815	.9921	.3156	.1050	.2499
#1	20.99	.0513	.4945	.1964	.2446	.9797	17.65
#2	20.76	.0504	.4891	.1937	.2457	.9811	17.59

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	3.965	20.66	.4915	.0010	29.29	18.20
SDev	.0009	.020	.13	.0028	.0003	.13	.26
%RSD	71.51	.4997	.6117	.5749	31.72	.4450	1.434
#1	.0018	3.979	20.75	.4935	.0012	29.38	18.39
#2	.0006	3.951	20.58	.4895	.0008	29.20	18.02

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4961	.0088	.5419	.4916	.0033	.0816	.5262
SDev	.0031	.0064	.0260	.0096	.0019	.0113	.0091
%RSD	.6203	72.42	4.800	1.960	57.35	13.89	1.724
#1	.4983	.0043	.5603	.4848	.0046	.0896	.5326
#2	.4939	.0133	.5235	.4984	.0020	.0736	.5198

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	112.6	2.302	2.118	.0111	.5078	2.177	-.0002
SDev	3.5	.051	.002	.0032	.0022	.016	.0049
%RSD	3.106	2.226	.0916	28.56	.4420	.7248	3004.
#1	115.0	2.338	2.117	.0133	.5094	2.188	.0033
#2	110.1	2.266	2.119	.0088	.5063	2.166	-.0036

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0081	.0001	2.168	.0263	.4891	-.0018
SDev	.0001	.0088	.0013	.030	.0171	.0029	.0014
%RSD	13.25	109.1	1128.	1.379	65.16	.5852	76.87
#1	.0004	-.0144	.0010	2.189	.0385	.4912	-.0028
#2	.0004	-.0019	-.0008	2.146	.0142	.4871	-.0008

010121

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0002	.5076	.0024
SDev	.0001	.0042	.0005
%RSD	59.19	.8272	21.64
#1	.0001	.5105	.0028
#2	.0003	.5046	.0021

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	376264	10000	--	--	--	--	--
SDev	11665.14	.0000000	--	--	--	--	--
%RSD	3.100250	.0000000	--	--	--	--	--
#1	384513	10000	--	--	--	--	--
#2	368016	10000	--	--	--	--	--

Method: DAILY1 Sample Name: 316507 Operator: 010122
Run Time: 01/31/08 12:52:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0033	-.0035	.4920	.0009	.0000	.0011
SDev	.0007	.0157	.0022	.0082	.0001	.0001	.0004
%RSD	273.9	472.6	61.32	1.665	14.22	518.2	39.31
#1	.0007	-.0078	-.0020	.4862	.0008	-.0001	.0008
#2	-.0002	.0145	-.0051	.4978	.0010	.0001	.0014

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8418	-.0001	.0021	-.0004	-.0005	-.0251	.0003
SDev	.0132	.0001	.0000	.0001	.0002	.0024	.0174
%RSD	1.572	200.2	1.723	17.19	40.90	9.451	5847.
#1	.8324	-.0001	.0020	-.0004	-.0004	-.0234	.0126
#2	.8511	.0000	.0021	-.0005	-.0006	-.0268	-.0120

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0002	.0205	.0058	.0004	.6951	.4428
SDev	.0004	.0001	.0021	.0002	.0001	.0144	.0604
%RSD	142.0	38.05	10.22	2.781	34.97	2.067	13.64
#1	.0006	.0003	.0220	.0057	.0005	.6849	.4855
#2	-.0000	.0001	.0190	.0060	.0003	.7052	.4001

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.0086	.0061	-.0033	.0013	.1721	.0017
SDev	.0002	.0087	.0033	.0036	.0002	.0179	.0030
%RSD	11.13	101.2	54.27	109.8	12.58	10.43	170.6
#1	.0019	.0025	.0085	-.0058	.0014	.1594	.0038
#2	.0022	.0148	.0038	-.0007	.0011	.1848	-.0004

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	122.4	.0116	-.0041	5.577	-.0001	.0012	.0037
SDev	4.1	.0020	.0069	.123	.0013	.0040	.0049
%RSD	3.328	16.96	168.6	2.202	965.6	343.3	131.3
#1	125.3	.0102	.0008	5.490	-.0010	.0040	.0003
#2	119.5	.0130	-.0090	5.663	.0008	-.0016	.0071

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0017	-.0005	.0027	.0167	-.0000	.0010
SDev	.0000	.0012	.0006	.0075	.0041	.0000	.0026
%RSD	.9543	67.76	107.3	272.0	24.34	95.67	260.8
#1	.0010	-.0025	-.0010	.0080	.0138	-.0000	-.0008
#2	.0010	-.0009	-.0001	-.0025	.0196	-.0000	.0028

010123

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0000	.0036	-.0000
SDev	.0000	.0003	.0004
%RSD	215.6	7.687	2856.
#1	.0000	.0034	.0003
#2	-.0000	.0038	-.0003

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	408999	10000	--	--	--	--	--
SDev	13587.76	.0000000	--	--	--	--	--
%RSD	3.322200	.0000000	--	--	--	--	--
#1	418607	10000	--	--	--	--	--
#2	399391	10000	--	--	--	--	--

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Method: DAILY1 Sample Name: 316507D Operator:
Run Time: 01/31/08 12:57:08 010124
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0002	.0042	.4920	.0008	.0001	-.0010
SDev	.0018	.0056	.0019	.0029	.0001	.0000	.0029
%RSD	823.6	3406.	44.86	.5958	17.01	30.62	293.0
#1	-.0010	-.0041	.0029	.4941	.0009	.0001	-.0031
#2	.0015	.0038	.0055	.4899	.0007	.0002	.0011

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8631	.0002	.0028	-.0005	-.0008	-.0191	.0111
SDev	.0001	.0000	.0002	.0019	.0013	.0245	.0332
%RSD	.0095	4.249	8.348	372.8	162.7	128.2	299.4
#1	.8631	.0003	.0029	.0008	.0001	-.0018	-.0124
#2	.8632	.0002	.0026	-.0018	-.0017	-.0364	.0346

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0002	.0234	.0058	.0002	.6789	.4501
SDev	.0018	.0001	.0105	.0001	.0007	.0009	.2798
%RSD	307.1	56.10	44.81	1.878	414.0	.1355	62.17
#1	-.0007	.0001	.0160	.0059	-.0003	.6783	.2522
#2	.0019	.0002	.0308	.0057	.0006	.6796	.6480

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0059	.0098	-.0055	.0046	.1445	-.0002
SDev	.0022	.0063	.0081	.0060	.0018	.0081	.0024
%RSD	176.6	106.3	83.09	109.5	39.27	5.584	1167.
#1	.0028	.0103	.0040	-.0012	.0034	.1388	-.0019
#2	-.0003	.0015	.0156	-.0097	.0059	.1503	.0015

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	112.6	.0181	-.0003	5.556	-.0004	.0059	.0015
SDev	2.0	.0022	.0019	.002	.0013	.0020	.0012
%RSD	1.742	12.39	683.4	.0331	336.5	34.55	81.09
#1	111.2	.0197	.0011	5.555	.0005	.0073	.0006
#2	114.0	.0165	-.0016	5.557	-.0013	.0044	.0023

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0060	-.0006	.0033	.0411	-.0002	.0026
SDev	.0001	.0067	.0000	.0007	.0147	.0016	.0044
%RSD	8.277	111.8	5.543	21.61	35.87	728.6	172.0
#1	.0009	-.0013	-.0006	.0028	.0307	.0009	.0057
#2	.0011	-.0107	-.0005	.0037	.0515	-.0014	-.0006

010125

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0000	.0046	.0002
SDev	.0003	.0004	.0010
%RSD	8307.	7.811	423.5
#1	.0002	.0043	.0010
#2	-.0002	.0049	-.0005

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	376472	10000	--	--	--	--	--
SDev	6559.123	.0000000	--	--	--	--	--
%RSD	1.742260	.0000000	--	--	--	--	--
#1	371834	10000	--	--	--	--	--
#2	381110	10000	--	--	--	--	--

Method: DAILY1 Sample Name: 316507S Operator:
Run Time: 01/31/08 13:01:45
Comment:
Mode: CONC Corr. Factor: 1

010126

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0497	1.875	2.145	.4983	1.995	.0535	-.0022
SDev	.0004	.017	.012	.0053	.009	.0001	.0082
%RSD	.9070	.8951	.5395	1.063	.4427	.1272	366.7
#1	.0500	1.887	2.153	.4945	1.989	.0534	.0036
#2	.0493	1.863	2.137	.5020	2.002	.0535	-.0081

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.67	.0512	.5019	.1973	.2492	.9991	17.93
SDev	.33	.0001	.0061	.0032	.0016	.0499	.06
%RSD	1.525	.2269	1.223	1.636	.6322	4.995	.3316
#1	21.90	.0512	.5062	.1995	.2480	1.034	17.98
#2	21.43	.0511	.4975	.1950	.2503	.9639	17.89

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	3.922	20.70	.5050	-.0009	30.27	18.92
SDev	.0010	.000	.14	.0060	.0000	.15	.26
%RSD	73.10	.0055	.6943	1.180	.3622	.4818	1.391
#1	.0020	3.922	20.80	.5092	-.0009	30.17	19.11
#2	.0006	3.923	20.59	.5008	-.0009	30.38	18.74

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5030	.0075	.5233	.5061	.0016	.1485	.5282
SDev	.0020	.0019	.0141	.0012	.0019	.0111	.0016
%RSD	.4019	26.18	2.700	.2331	116.5	7.460	.2980
#1	.5045	.0061	.5332	.5069	.0003	.1407	.5293
#2	.5016	.0088	.5133	.5052	.0030	.1563	.5271

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	116.8	2.227	2.184	10.28	.5113	2.196	.0016
SDev	5.6	.036	.031	.23	.0055	.009	.0035
%RSD	4.816	1.620	1.441	2.264	1.074	.4074	215.6
#1	112.9	2.252	2.161	10.12	.5152	2.189	-.0008
#2	120.8	2.201	2.206	10.45	.5074	2.202	.0041

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	-.0012	-.0012	2.202	.0236	.4967	-.0022
SDev	.0000	.0036	.0008	.015	.0115	.0074	.0020
%RSD	2.284	293.1	62.33	.6764	49.00	1.484	91.24
#1	.0013	.0013	-.0017	2.192	.0318	.5019	-.0008
#2	.0013	-.0038	-.0007	2.213	.0154	.4914	-.0036

010127

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0000	.5208	.0010
SDev	.0003	.0111	.0014
%RSD	1037.	2.126	147.7
#1	.0002	.5287	.0020
#2	-.0003	.5130	-.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	390528	10000	--	--	--	--	--
SDev	18736.21	.0000000	--	--	--	--	--
%RSD	4.797667	.0000000	--	--	--	--	--
#1	377279	10000	--	--	--	--	--
#2	403776	10000	--	--	--	--	--

Method: DAILY1 Sample Name: 316508 Operator: 010128
Run Time: 01/31/08 13:06:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0112	.0020	.5217	.0003	.0001	-.0019
SDev	.0004	.0187	.0052	.0127	.0000	.0000	.0028
%RSD	98.66	166.5	265.8	2.441	12.81	2.523	148.5
#1	-.0007	-.0244	.0057	.5127	.0003	.0001	.0001
#2	-.0001	.0020	-.0017	.5307	.0002	.0001	-.0039

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1719	.0000	.0015	.0003	-.0006	-.0102	-.0091
SDev	.0006	.0002	.0002	.0004	.0007	.0091	.0230
%RSD	.3567	436.8	14.83	146.2	113.6	88.97	252.9
#1	.1723	.0002	.0016	.0006	-.0001	-.0038	.0072
#2	.1715	-.0001	.0013	-.0000	-.0011	-.0166	-.0254

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0002	.0028	.0001	.0006	.6234	.4800
SDev	.0003	.0000	.0037	.0001	.0008	.0196	.2385
%RSD	232.2	6.703	132.8	56.57	136.1	3.139	49.69
#1	-.0001	.0002	.0002	.0001	.0000	.6095	.6486
#2	.0004	.0002	.0055	.0001	.0011	.6372	.3113

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0015	.0049	-.0043	.0022	.0228	.0022
SDev	.0002	.0022	.0007	.0010	.0005	.0004	.0010
%RSD	20.01	152.0	13.82	24.20	22.13	1.653	44.70
#1	.0012	-.0030	.0054	-.0036	.0018	.0225	.0028
#2	.0009	.0001	.0044	-.0050	.0025	.0230	.0015

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	116.9	.0124	-.0037	1.686	-.0012	.0017	.0014
SDev	5.2	.0059	.0069	.047	.0009	.0066	.0051
%RSD	4.432	47.84	186.7	2.779	73.92	389.7	362.7
#1	113.2	.0166	.0012	1.719	-.0006	.0063	-.0022
#2	120.6	.0082	-.0086	1.653	-.0019	-.0030	.0050

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0007	-.0010	.0006	.0316	.0003	-.0009
SDev	.0000	.0005	.0010	.0084	.0035	.0004	.0005
%RSD	8.801	70.27	100.5	1429.	11.16	154.5	55.99
#1	.0002	.0011	-.0017	-.0054	.0341	.0006	-.0012
#2	.0002	.0004	-.0003	.0066	.0291	-.0000	-.0005

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Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0002	.0016	.0009
SDev	.0002	.0004	.0008
%RSD	96.49	23.91	87.56
#1	.0004	.0013	.0014
#2	.0001	.0019	.0003

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	390714	10000	--	--	--	--	--
SDev	17253.41	.0000000	--	--	--	--	--
%RSD	4.415866	.0000000	--	--	--	--	--
#1	378514	10000	--	--	--	--	--
#2	402914	10000	--	--	--	--	--

Method: DAILY1 Sample Name: 316509 Operator:
Run Time: 01/31/08 13:10:59 010130
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0010	.0033	.1972	.0002	.0001	.0028
SDev	.0004	.0051	.0012	.0018	.0001	.0001	.0002
%RSD	159.6	510.7	35.01	.9249	21.06	66.20	8.555
#1	.0006	.0046	.0025	.1959	.0002	.0002	.0027
#2	-.0000	-.0026	.0041	.1985	.0003	.0001	.0030

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1723	.0001	.0019	.0002	-.0001	-.0048	.0033
SDev	.0006	.0000	.0004	.0003	.0005	.0100	.0123
%RSD	.3398	32.80	19.99	149.3	904.4	208.9	369.7
#1	.1727	.0001	.0022	-.0000	.0003	.0023	.0120
#2	.1719	.0001	.0016	.0004	-.0004	-.0119	-.0054

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0001	.0085	.0001	.0005	.3467	.2923
SDev	.0001	.0000	.0008	.0001	.0011	.0092	.0178
%RSD	36.11	3.171	9.777	60.54	208.3	2.645	6.082
#1	.0004	.0001	.0091	.0001	-.0002	.3402	.3049
#2	.0003	.0001	.0079	.0001	.0013	.3532	.2797

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0055	.0045	-.0023	.0010	.1030	-.0015
SDev	.0004	.0041	.0022	.0003	.0001	.0009	.0003
%RSD	107.3	73.93	49.10	12.68	4.770	.9073	18.13
#1	-.0001	.0026	.0061	-.0021	.0009	.1024	-.0017
#2	-.0007	.0084	.0029	-.0025	.0010	.1037	-.0013

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	116.7	.0113	-.0069	1.491	-.0000	-.0008	.0018
SDev	7.0	.0069	.0026	.004	.0009	.0041	.0022
%RSD	6.030	61.69	38.29	.2744	10670.	507.2	121.1
#1	111.7	.0063	-.0087	1.494	.0006	-.0037	.0003
#2	121.7	.0162	-.0050	1.488	-.0007	.0021	.0034

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0009	-.0010	-.0009	.0303	.0004	.0004
SDev	.0000	.0006	.0019	.0083	.0026	.0002	.0025
%RSD	8.048	65.43	185.8	918.9	8.534	48.16	577.6
#1	.0002	-.0005	-.0023	-.0067	.0322	.0006	-.0013
#2	.0002	-.0013	.0003	.0049	.0285	.0003	.0022

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Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0002	.0016	.0003
SDev	.0001	.0004	.0005
%RSD	44.02	27.57	137.6
#1	.0002	.0019	.0007
#2	.0001	.0013	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	389970	10000	--	--	--	--	--
SDev	23444.12	.0000000	--	--	--	--	--
%RSD	6.011769	.0000000	--	--	--	--	--
#1	373393	10000	--	--	--	--	--
#2	406548	10000	--	--	--	--	--

Method: DAILY1 Sample Name: 316510 Operator:
Run Time: 01/31/08 13:15:37 010132
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0077	.0028	.5197	.0003	.0001	-.0010
SDev	.0004	.0085	.0029	.0038	.0001	.0001	.0002
%RSD	105.3	110.0	101.6	.7376	33.10	149.4	21.98
#1	.0001	-.0137	.0008	.5170	.0002	-.0000	-.0009
#2	.0007	-.0017	.0048	.5224	.0003	.0001	-.0012

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2465	.0003	.0020	.0006	-.0003	-.0065	.0142
SDev	.0034	.0004	.0001	.0004	.0009	.0072	.0077
%RSD	1.364	123.7	4.989	58.18	308.8	109.7	54.15
#1	.2442	.0006	.0019	.0004	.0004	-.0116	.0087
#2	.2489	.0000	.0020	.0009	-.0010	-.0015	.0196

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0005	.0121	.0001	.0008	.7555	.8693
SDev	.0012	.0000	.0026	.0000	.0006	.0032	.0353
%RSD	139.1	4.870	21.44	37.64	82.11	.4308	4.059
#1	.0000	.0005	.0102	.0001	.0013	.7532	.8443
#2	.0017	.0005	.0139	.0001	.0003	.7578	.8942

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0084	.0008	.0011	.0010	.0216	.0010
SDev	.0001	.0064	.0015	.0019	.0014	.0011	.0007
%RSD	8.669	76.53	183.2	181.2	141.2	5.263	70.56
#1	.0006	.0038	.0019	-.0003	.0020	.0224	.0005
#2	.0005	.0129	-.0002	.0024	.0000	.0208	.0015

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	114.8	.0089	-.0036	1.852	.0010	.0006	.0030
SDev	3.5	.0051	.0010	.007	.0008	.0024	.0006
%RSD	3.060	57.43	27.58	.3653	80.12	383.9	18.65
#1	112.4	.0053	-.0043	1.856	.0004	-.0011	.0034
#2	117.3	.0125	-.0029	1.847	.0015	.0023	.0026

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0005	.0006	.0069	.0560	.0003	.0023
SDev	.0000	.0046	.0008	.0025	.0048	.0009	.0003
%RSD	7.401	939.8	131.9	35.77	8.635	360.2	13.49
#1	.0003	-.0028	.0000	.0087	.0526	-.0004	.0025
#2	.0003	.0038	.0011	.0052	.0595	.0009	.0021

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Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0002	.0004	.0008
SDev	.0001	.0004	.0000
%RSD	57.23	92.42	.2393
#1	.0001	.0007	.0008
#2	.0003	.0001	.0008

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	383852	10000	--	--	--	--	--
SDev	11704.74	.0000000	--	--	--	--	--
%RSD	3.049288	.0000000	--	--	--	--	--
#1	375575	10000	--	--	--	--	--
#2	392128	10000	--	--	--	--	--

Method: DAILY1 Sample Name: 316511 Operator: 010134
Run Time: 01/31/08 13:20:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0158	.0050	1.040	.0003	.0000	-.0006
SDev	.0011	.0094	.0070	.000	.0001	.0001	.0053
%RSD	207.0	59.47	139.4	.0389	39.03	442.6	886.7
#1	.0002	-.0092	.0001	1.041	.0002	.0000	.0032
#2	-.0013	-.0225	.0099	1.040	.0003	-.0000	-.0044

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0188	-.0003	.0011	.0007	.0018	-.0066	.0465
SDev	.0012	.0003	.0017	.0001	.0004	.0166	.0314
%RSD	6.258	131.3	148.6	13.21	23.38	250.1	67.64
#1	.0196	-.0000	.0023	.0006	.0015	-.0184	.0687
#2	.0179	-.0005	-.0001	.0007	.0021	.0051	.0242

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0004	.0030	-.0000	.0015	1.626	.9867
SDev	.0019	.0001	.0088	.0000	.0001	.009	.2242
%RSD	420.3	17.56	299.7	211.6	6.639	.5490	22.72
#1	.0009	.0004	.0092	-.0001	.0015	1.619	1.145
#2	-.0018	.0004	-.0033	.0000	.0014	1.632	.8282

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0516	-.0042	.0029	-.0023	4.308	-.0001
SDev	.0008	.0025	.0097	.0067	.0056	.190	.0044
%RSD	88.28	4.875	232.5	234.2	243.2	4.421	3149.
#1	.0015	.0499	.0027	-.0019	.0017	4.173	.0029
#2	.0003	.0534	-.0110	.0077	-.0063	4.443	-.0032

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	115.0	.0081	-.0055	.7336	.0005	-.0010	.0006
SDev	1.1	.0069	.0083	.0018	.0013	.0032	.0052
%RSD	.9583	84.78	150.8	.2513	238.4	341.7	837.2
#1	115.8	.0129	-.0114	.7323	-.0004	-.0032	.0043
#2	114.3	.0032	.0004	.7349	.0014	.0013	-.0031

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0014	-.0013	.0046	.0328	.0003	-.0028
SDev	.0001	.0026	.0013	.0001	.0258	.0004	.0017
%RSD	385.7	179.9	99.56	3.058	78.63	163.4	59.37
#1	.0001	-.0004	-.0004	.0045	.0510	-.0000	-.0016
#2	-.0000	.0032	-.0021	.0047	.0146	.0006	-.0040

010135

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0003	.0007	.0008
SDev	.0001	.0004	.0000
%RSD	36.06	57.50	1.124
#1	.0002	.0010	.0008
#2	.0003	.0004	.0008

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	384502	10000	--	--	--	--	--
SDev	3684.733	.0000000	--	--	--	--	--
%RSD	.9583145	.0000000	--	--	--	--	--
#1	387107	10000	--	--	--	--	--
#2	381896	10000	--	--	--	--	--

Method: DAILY1 Sample Name: CCV3 Operator: 010136
Run Time: 01/31/08 13:30:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	9.719	5.361	5.308	9.952	1.095	5.077
SDev	.004	.037	.024	.002	.047	.010	.010
%RSD	.4221	.3795	.4489	.0390	.4766	.9377	.2017
#1	1.024	9.745	5.344	5.307	9.986	H1.102	5.070
#2	1.017	9.693	5.378	5.309	9.919	1.087	5.085
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	11.00	5.500	5.500	11.00	1.100	5.500
Low	.9000	9.000	4.500	4.500	9.000	.9000	4.500

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.63	1.045	5.045	2.025	2.029	10.40	18.45
SDev	.01	.003	.010	.000	.011	.05	.02
%RSD	.0343	.2925	.2017	.0210	.5546	.4352	.1024
#1	20.63	1.043	5.038	2.025	2.037	10.37	18.44
#2	20.64	1.048	5.053	2.025	2.021	10.43	18.46
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.00	1.100	5.500	2.200	2.200	11.00	22.00
Low	18.00	.9000	4.500	1.800	1.800	9.000	18.00

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.980	4.925	20.62	1.007	5.259	L43.74	L27.51
SDev	.003	.013	.03	.001	.004	.12	.09
%RSD	.0618	.2724	.1249	.0781	.0800	.2808	.3394
#1	4.978	4.934	20.64	1.006	5.256	L43.83	L27.57
#2	4.982	4.915	20.61	1.007	5.262	L43.66	L27.44
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	5.500	5.500	22.00	1.100	5.500	55.00	55.00
Low	4.500	4.500	18.00	.9000	4.500	45.00	45.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.984	H5.513	5.486	5.095	1.024	1.087	1.045
SDev	.015	.042	.032	.023	.002	.004	.007
%RSD	.3008	.7627	.5878	.4609	.1762	.3229	.6871
#1	4.995	5.483	5.509	5.112	1.026	1.089	1.040
#2	4.974	H5.543	5.464	5.079	1.023	1.084	1.050
Errors	LC Pass	LC High	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.500	5.500			1.100	1.100	1.100
Low	4.500	4.500			.9000	.9000	.9000

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010137

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	107.5	5.843	5.367	5.155	5.221	H5.520	5.107
SDev	1.6	.018	.020	.012	.026	.007	.003
%RSD	1.533	.3104	.3762	.2288	.5054	.1342	.0638
#1	106.4	5.855	5.353	5.164	5.239	H5.515	5.104
#2	108.7	5.830	5.381	5.147	5.202	H5.525	5.109
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC Pass
High				5.500	5.500	5.500	5.500
Low				4.500	4.500	4.500	4.500

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.927	1.034	5.063	H5.528	1.005	5.044	1.001
SDev	.009	.003	.005	.032	.010	.004	.012
%RSD	.1844	.2636	.0892	.5700	.9707	.0793	1.246
#1	4.934	1.036	5.067	H5.506	.9979	5.046	.9921
#2	4.921	1.032	5.060	H5.550	1.012	5.041	1.010
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500	5.500	1.100	5.500	1.100
Low	4.500	.9000	4.500	4.500	.9000	4.500	.9000

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.073	1.039	5.019
SDev	.003	.006	.013
%RSD	.0542	.5851	.2538
#1	5.071	1.035	5.028
#2	5.075	1.043	5.010
Errors	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500
Low	4.500	.9000	4.500

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IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	359469	10000	--	--	--	--	--
SDev	5519.675	.0000000	--	--	--	--	--
%RSD	1.535508	.0000000	--	--	--	--	--
#1	355566	10000	--	--	--	--	--
#2	363372	10000	--	--	--	--	--

Method: DAILY1 Sample Name: CCB3 Operator:
Run Time: 01/31/08 13:35:14 010139
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0055	.0029	-.0029	.0014	.0001	.0094
SDev	.0004	.0071	.0039	.0006	.0000	.0001	.0010
%RSD	22.76	128.5	137.8	19.36	.1912	49.11	10.98
#1	.0014	.0005	H.0056	-.0025	.0015	.0001	.0087
#2	.0020	.0106	.0001	-.0033	.0014	.0002	H.0101
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.0004	.0006	.0002	-.0005	-.0127	.0153
SDev	.0012	.0001	.0010	.0003	.0000	.0026	.0464
%RSD	34.88	20.40	168.8	147.6	3.128	20.32	303.4
#1	.0026	.0004	.0013	-.0000	-.0005	-.0145	-.0175
#2	.0042	.0003	-.0001	.0004	-.0006	-.0109	.0481
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0002	.0144	.0001	.0014	-.0333	-.0014
SDev	.0006	.0000	.0039	.0001	.0002	.0017	.2206
%RSD	31.90	17.04	27.05	46.31	13.54	5.216	15660.
#1	.0013	.0001	.0117	.0001	.0016	-.0321	L-.1574
#2	.0021	.0002	.0172	.0002	.0013	-.0346	H.1546
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0035	.0066	-.0017	-.0007	.0118	.0027
SDev	.0003	.0046	.0046	.0014	.0033	.0103	.0032
%RSD	60.33	130.4	70.08	79.05	451.9	87.17	117.7
#1	.0003	.0003	.0099	-.0027	.0016	.0045	.0005
#2	.0007	.0068	.0033	-.0008	-.0031	.0191	.0050
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010140

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	118.4	.0169	-.0018	H.0153	.0011	.0045	.0031
SDev	11.3	.0090	.0031	.0026	.0006	.0051	.0039
%RSD	9.506	53.36	171.7	17.07	60.42	113.4	125.4
#1	126.4	.0233	.0004	H.0134	.0015	H.0081	H.0059
#2	110.4	.0106	-.0040	H.0171	.0006	.0009	.0004
Errors	NOCHECK	NOCHECK	NOCHECK	LC High	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0015	-.0004	.0087	.0473	.0006	.0015
SDev	.0000	.0009	.0009	.0017	.0275	.0000	.0022
%RSD	1.529	61.92	245.5	19.31	58.16	.6255	151.1
#1	.0002	.0008	.0003	.0099	.0279	.0006	-.0001
#2	.0002	.0021	-.0010	.0075	.0668	.0006	.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0003	.0005	.0008
SDev	.0001	.0001	.0002
%RSD	21.86	12.98	25.17
#1	.0004	.0005	.0007
#2	.0003	.0004	.0010
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010141

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	395714	10000	--	--	--	--	--
SDev	37511.31	.0000000	--	--	--	--	--
%RSD	9.479410	.0000000	--	--	--	--	--
#1	422238	10000	--	--	--	--	--
#2	369189	10000	--	--	--	--	--

Method: DAILY1 Sample Name: CRI Operator: 010142
Run Time: 01/31/08 13:39:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0200	.1055	.0224	.0989	.0205	.0106	-.0007
SDev	.0004	.0028	.0025	.0011	.0000	.0000	.0028
%RSD	2.112	2.690	10.96	1.155	.0147	.4242	422.8
#1	.0203	.1035	.0242	.0997	.0205	.0106	.0013
#2	.0197	.1075	.0207	.0981	.0205	.0106	-.0027
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0300		.0300	.1500	.0300	.0150	
Low	.0100		.0100	.0500	.0100	.0050	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0102	.1012	.0197	.0483	.0890	-.0017
SDev	.0008	.0003	.0004	.0007	.0007	.0010	.0158
%RSD	46.85	2.422	.4472	3.747	1.487	1.168	951.4
#1	.0011	.0103	.1015	.0202	.0478	.0882	.0095
#2	.0021	.0100	.1009	.0192	.0488	.0897	-.0128
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High		.0150	.1500	.0300	.0750	.1500	
Low		.0050	.0500	.0100	.0250	.0500	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0809	.0036	.0299	.0222	-.0413	-.1531
SDev	.0001	.0002	.0028	.0003	.0003	.0017	.1514
%RSD	20.46	.2927	76.68	.9495	1.508	4.023	98.93
#1	.0005	.0807	.0056	.0301	.0224	-.0401	-.0460
#2	.0003	.0810	.0016	.0297	.0220	-.0425	-.2601
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High		.1500		.0450	.0300		
Low		.0500		.0150	.0100		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0809	.1075	.0093	.0041	.0020	-.0012	.1287
SDev	.0008	.0043	.0040	.0024	.0011	.0009	.0025
%RSD	1.036	3.998	43.27	58.16	52.52	75.77	1.935
#1	.0803	.1045	.0122	.0058	.0028	-.0018	.1305
#2	.0815	.1106	.0065	.0024	.0013	-.0005	.1270
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.1200	.1500					.1800
Low	.0400	.0500					.0600

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010143

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	110.7	.0223	.0122	.1193	.0058	H.0155	.1033
SDev	.2	.0034	.0018	.0008	.0029	.0001	.0009
%RSD	.1520	15.39	14.77	.7145	50.23	.3553	.8686
#1	110.8	.0199	.0134	.1199	.0079	H.0156	.1040
#2	110.6	.0247	.0109	.1187	.0038	H.0155	.1027
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC Pass
High				.1500	.0090	.0150	.1500
Low				.0500	.0030	.0050	.0500

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0207	.0021	.0199	.0232	.2428	.0983	-.0003
SDev	.0001	.0002	.0002	.0027	.0020	.0011	.0031
%RSD	.2626	10.18	1.082	11.79	.8382	1.074	1180.
#1	.0207	.0023	.0201	.0251	.2443	.0990	.0019
#2	.0208	.0020	.0198	.0213	.2414	.0975	-.0024
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	.0300		.0300	.0300		.1500	
Low	.0100		.0100	.0100		.0500	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0000	.0413	.1029
SDev	.0001	.0010	.0002
%RSD	327.7	2.459	.1892
#1	.0001	.0420	.1030
#2	-.0000	.0406	.1028
Errors	NOCHECK	LC Pass	NOCHECK
High		.0600	
Low		.0200	

010144

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	370150	10000	--	--	--	--	--
SDev	569.2210	.0000000	--	--	--	--	--
%RSD	.1537814	.0000000	--	--	--	--	--
#1	370552	10000	--	--	--	--	--
#2	369747	10000	--	--	--	--	--

Method: DAILY1 Sample Name: ICSA Operator:
Run Time: 01/31/08 13:44:28 010145
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	472.7	.0028	-.0112	.0010	.0001	-.0018
SDev	.0007	1.6	.0041	.0009	.0001	.0003	.0051
%RSD	1049.	.3288	144.5	7.797	7.369	217.7	278.1
#1	-.0005	473.8	-.0001	-.0119	.0009	-.0001	-.0054
#2	.0004	471.6	.0057	-.0106	.0010	.0003	.0018
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		600.0					
Low		400.0					

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	472.6	.0072	.0013	-.0005	-.0012	190.3	-.0369
SDev	2.0	.0005	.0006	.0008	.0007	2.1	.0100
%RSD	.4130	6.908	45.67	152.4	57.25	1.099	27.20
#1	471.3	.0068	.0009	-.0011	-.0017	188.9	-.0298
#2	474.0	.0076	.0017	.0000	-.0007	191.8	-.0440
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	600.0					240.0	
Low	400.0					160.0	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.0003	517.6	.0007	.0032	-.0092	.1318
SDev	.0008	.0000	2.0	.0008	.0094	.0090	.2387
%RSD	24.25	13.93	.3933	109.3	292.0	97.79	181.1
#1	.0026	.0002	516.1	.0002	-.0034	-.0156	-.0370
#2	.0036	.0003	519.0	.0013	.0099	-.0028	.3006
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High			600.0				
Low			400.0				

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0166	.0013	.0056	-.0346	.0023	.0038
SDev	.0011	.0015	.0024	.0047	.0088	.0065	.0081
%RSD	57.37	9.267	183.5	82.75	25.35	280.5	214.5
#1	.0011	.0177	.0030	.0023	-.0408	.0069	-.0020
#2	.0026	.0155	-.0004	.0089	-.0284	-.0023	.0096
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

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Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	120.0	.0259	-.0127	.0052	.0042	.0002	.0074
SDev	2.3	.0029	.0012	.0015	.0023	.0001	.0077
%RSD	1.935	11.07	9.792	29.84	54.90	70.17	105.3
#1	118.4	.0280	-.0136	.0041	.0026	.0003	.0019
#2	121.7	.0239	-.0118	.0062	.0058	.0001	.0128
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	-.0370	.0014	.0270	.2731	-.0001	.0136
SDev	.0001	.0083	.0005	.0047	.0218	.0032	.0127
%RSD	1.147	22.31	36.21	17.49	7.993	2298.	93.29
#1	.0082	-.0429	.0011	.0237	.2576	-.0024	.0046
#2	.0083	-.0312	.0018	.0304	.2885	.0021	.0226
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0004	.0020	.0014
SDev	.0003	.0026	.0003
%RSD	86.05	132.6	23.65
#1	-.0006	.0001	.0012
#2	-.0002	.0038	.0017
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

010147

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	401140	10000	--	--	--	--	--
SDev	7707.464	.0000000	--	--	--	--	--
%RSD	1.921390	.0000000	--	--	--	--	--
#1	395690	10000	--	--	--	--	--
#2	406590	10000	--	--	--	--	--

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Method: DAILY1 Sample Name: ICSAB Operator: 010148
Run Time: 01/31/08 13:49:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.092	476.1	1.132	1.125	.5206	.5338	-.0026
SDev	.008	.2	.002	.001	.0032	.0039	.0022
%RSD	.7769	.0370	.1659	.0632	.6066	.7314	84.71
#1	1.086	476.0	1.134	1.125	.5228	.5310	-.0041
#2	1.098	476.3	1.131	1.124	.5184	.5366	-.0010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.200	600.0	1.200	1.200	.6000	.6000	
Low	.8000	400.0	.8000	.8000	.4000	.4000	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	477.2	.9927	.4827	.4825	.5631	191.0	-.0059
SDev	.6	.0046	.0050	.0019	.0011	.9	.0366
%RSD	.1181	.4686	1.047	.3873	.1970	.4815	619.2
#1	476.8	.9960	.4791	.4812	.5639	190.3	-.0318
#2	477.6	.9894	.4863	.4839	.5623	191.6	.0200
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	1.200	.6000	.6000	.6000	240.0	
Low	400.0	.8000	.4000	.4000	.4000	160.0	

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	1.192	522.4	.4845	1.051	.0376	.1030
SDev	.0014	.011	1.3	.0018	.004	.0062	.1037
%RSD	52.38	.9270	.2495	.3652	.3623	16.40	100.7
#1	.0017	1.200	521.5	.4832	1.053	.0332	.1764
#2	.0037	1.184	523.3	.4857	1.048	.0419	.0297
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High		1.200	600.0	.6000	1.200		
Low		.8000	400.0	.4000	.8000		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9474	1.149	1.055	1.067	-.0475	.0167	1.096
SDev	.0110	.006	.019	.031	.0048	.0153	.013
%RSD	1.165	.5151	1.841	2.870	10.02	91.85	1.197
#1	.9552	1.145	1.041	1.089	-.0509	.0275	1.106
#2	.9396	1.153	1.069	1.045	-.0442	.0059	1.087
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.200	1.200					1.200
Low	.8000	.8000					.8000

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010149

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	106.5	1.108	1.097	1.065	1.062	1.099	1.057
SDev	.1	.039	.049	.005	.014	.019	.000
%RSD	.1140	3.481	4.422	.4755	1.311	1.769	.0043
#1	106.6	1.081	1.131	1.062	1.072	1.113	1.056
#2	106.4	1.135	1.062	1.069	1.052	1.086	1.057
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					1.200	1.200	1.200
Low					.8000	.8000	.8000

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.050	-.0243	1.016	1.064	1.268	.4975	.0054
SDev	.004	.0056	.001	.001	.008	.0025	.0127
%RSD	.4085	22.94	.1121	.1309	.6607	.5078	235.4
#1	1.053	-.0283	1.015	1.063	1.274	.4957	.0144
#2	1.047	-.0204	1.017	1.065	1.262	.4993	-.0036
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	1.200		1.200	1.200		.6000	
Low	.8000		.8000	.8000		.4000	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0005	.9744	1.004
SDev	.0000	.0134	.002
%RSD	.0141	1.380	.1988
#1	-.0005	.9649	1.003
#2	-.0005	.9839	1.006
Errors	NOCHECK	LC Pass	NOCHECK
High		1.200	
Low		.8000	

010150

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	356026	10000	--	--	--	--	--
SDev	415.0717	.0000000	--	--	--	--	--
%RSD	.1165848	.0000000	--	--	--	--	--
#1	356319	10000	--	--	--	--	--
#2	355732	10000	--	--	--	--	--

Method: DAILY1 Sample Name: CCV4 Operator: 010151
Run Time: 01/31/08 13:53:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	9.707	5.347	5.340	9.978	H1.106	5.096
SDev	.010	.088	.022	.004	.029	.013	.011
%RSD	.9343	.9035	.4051	.0693	.2874	1.147	.2077
#1	1.027	9.769	5.331	5.343	9.999	H1.115	5.103
#2	1.014	9.645	5.362	5.337	9.958	1.097	5.088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	1.100	11.00	5.500	5.500	11.00	1.100	5.500
Low	.9000	9.000	4.500	4.500	9.000	.9000	4.500

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.28	1.038	5.008	2.002	2.054	10.29	18.43
SDev	.30	.006	.055	.032	.004	.13	.22
%RSD	1.489	.6147	1.098	1.604	.1814	1.218	1.188
#1	20.49	1.043	5.047	2.024	2.051	10.38	18.59
#2	20.07	1.034	4.970	1.979	2.057	10.20	18.28
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.00	1.100	5.500	2.200	2.200	11.00	22.00
Low	18.00	.9000	4.500	1.800	1.800	9.000	18.00

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.014	4.922	20.46	.9955	5.243	L44.15	L27.41
SDev	.008	.041	.19	.0143	.041	.22	.33
%RSD	.1688	.8329	.9166	1.436	.7901	.5028	1.186
#1	5.020	4.951	20.60	1.006	5.272	L44.30	L27.64
#2	5.008	4.893	20.33	.9854	5.214	L43.99	L27.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	5.500	5.500	22.00	1.100	5.500	55.00	55.00
Low	4.500	4.500	18.00	.9000	4.500	45.00	45.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.947	5.485	5.345	4.986	1.037	1.047	1.055
SDev	.003	.008	.103	.308	.002	.009	.010
%RSD	.0694	.1436	1.923	6.171	.1471	.9062	.9579
#1	4.949	5.491	5.418	5.204	1.036	1.054	1.062
#2	4.945	5.480	5.273	4.769	1.038	1.041	1.048
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.500	5.500			1.100	1.100	1.100
Low	4.500	4.500			.9000	.9000	.9000

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010152

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	116.2	5.710	5.267	5.164	5.101	5.410	5.071
SDev	6.2	.082	.327	.050	.239	.245	.042
%RSD	5.310	1.440	6.208	.9649	4.689	4.532	.8358
#1	111.8	5.768	5.498	5.199	5.270	H5.583	5.101
#2	120.5	5.652	5.036	5.129	4.932	5.236	5.041
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				5.500	5.500	5.500	5.500
Low				4.500	4.500	4.500	4.500

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.937	1.031	5.073	H5.554	.9985	5.012	1.002
SDev	.034	.004	.028	.001	.0014	.052	.008
%RSD	.6787	.4284	.5424	.0259	.1413	1.031	.7806
#1	4.960	1.034	5.092	H5.555	.9995	5.048	1.008
#2	4.913	1.027	5.053	H5.553	.9975	4.975	.9966
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500	5.500	1.100	5.500	1.100
Low	4.500	.9000	4.500	4.500	.9000	4.500	.9000

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.084	1.024	5.053
SDev	.004	.013	.009
%RSD	.0691	1.312	.1768
#1	5.081	1.033	5.059
#2	5.086	1.014	5.047
Errors	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500
Low	4.500	.9000	4.500

010153

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	388342	10000	--	--	--	--	--
SDev	20532.97	.0000000	--	--	--	--	--
%RSD	5.287341	.0000000	--	--	--	--	--
#1	373823	10000	--	--	--	--	--
#2	402861	10000	--	--	--	--	--

Method: DAILY1 Sample Name: CCB4 Operator:
Run Time: 01/31/08 13:58:21 010154
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0050	H.0077	-.0064	.0016	.0003	.0009
SDev	.0001	.0063	.0036	.0037	.0018	.0003	.0003
%RSD	8.238	125.2	46.62	58.12	113.4	106.5	38.06
#1	.0010	.0095	H.0102	-.0038	.0028	.0006	.0011
#2	.0008	.0006	H.0051	-.0091	.0003	.0001	.0006
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	.0004	.0014	.0000	-.0005	-.0186	-.0165
SDev	.0046	.0002	.0016	.0002	.0001	.0201	.0353
%RSD	77.15	65.61	116.3	474.3	24.41	107.9	214.4
#1	.0093	.0005	.0025	-.0001	-.0006	-.0328	.0085
#2	.0027	.0002	.0002	.0002	-.0004	-.0044	-.0415
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La4086	Li6707	Mg2790	Mn2576	Mo2020	Na5889	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0006	.0119	.0001	.0025	-.0194	L-.1013
SDev	.0012	.0008	.0019	.0001	.0003	.0044	.2054
%RSD	88.99	137.7	15.96	145.1	13.76	22.53	202.8
#1	.0022	.0011	.0133	.0001	.0027	-.0224	.0440
#2	.0005	.0000	.0106	-.0000	.0022	-.0163	L-.2466
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0047	.0091	-.0036	.0021	L-.0231	-.0001
SDev	.0009	.0029	.0093	.0015	.0007	.0082	.0010
%RSD	694.7	63.19	103.1	41.74	31.40	35.37	743.1
#1	-.0005	.0026	.0157	-.0025	.0026	-.0173	-.0008
#2	.0007	.0067	.0025	-.0046	.0016	L-.0289	.0006
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

C10155

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	115.5	.0148	-.0073	.0031	.0006	.0001	.0023
SDev	7.1	.0038	.0056	.0010	.0041	.0025	.0017
%RSD	6.160	25.50	76.95	33.18	630.7	2269.	73.90
#1	110.4	.0175	-.0113	.0038	.0035	-.0016	.0036
#2	120.5	.0122	-.0033	.0023	-.0022	.0019	.0011
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3372	Tl1908	U_3859	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0011	.0005	H.0130	.0450	.0008	.0024
SDev	.0009	.0015	.0025	.0060	.0060	.0007	.0021
%RSD	112.0	144.0	483.2	45.93	13.33	88.56	86.29
#1	.0014	-.0022	.0023	H.0172	.0492	.0013	.0038
#2	.0002	.0000	-.0012	.0088	.0407	.0003	.0009
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0008	.0007	.0015
SDev	.0009	.0004	.0008
%RSD	113.2	53.50	53.42
#1	.0015	.0010	.0020
#2	.0002	.0005	.0009
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010156

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	385902	10000	--	--	--	--	--
SDev	23681.71	.0000000	--	--	--	--	--
%RSD	6.136709	.0000000	--	--	--	--	--
#1	369157	10000	--	--	--	--	--
#2	402648	10000	--	--	--	--	--

☐ 200.7 TAP No. 01-0406-028 Rev3/Jan06

☑ 6010B TAP No. 01-0406-130 Rev5/Jan06

☐ Other_____

QC STD. ID's	
CCV	08A04
CRI	
ICSA	
ICSAB	08A04

ICP CAL.STD. ID's	
Std0	08A04
Std1	
Std2	
Std3	010157
Std4	
Std5	
Std6	08A04

Linear Range run Date: **5-14-2007**

IDL run date: **03-27-07**

IEC run date: **12-15-06**

PROJ. NO.	PROJECT	TO#	DATE	MATRIX	LOGBK PG
14002.01.171	D.V. 20	050114-6	1-31-08	Liquid	70-184

INSTRUMENT: TRACE2 FILENAME: B050114 6

1-31-08
Analyst/Date

File converted to wsl? ☐

TRACE METALS PREPARATORY LABORATORY DIGESTION LOG

SOUTHWEST RESEARCH INSTITUTE
SAN ANTONIO, TEXAS 78228

BOOK / PAGE: 70 184

C10158

CLIENT(S): DiV 20
TASK ORDER(S): 080114-6 SDG(S): 316507
PROJECT NO(S): 14002.01.171
METHOD: 3005A ___ 3050B ___ 3050B-7.5 ___ 3010A ___ 3020A ___ 7760A ___ 7740A ___ $HClO_4$ ___ $HClO_4/H_2SO_4$ ___
Microwave ___ Fusion ___ Teflon ___ Rock ___ OTHER dilutions
MATRIX: Water ___ Soil ___ Biota ___ Solid ___ Liquid ✓ TCLP Ext ___ OTHER ___
INSTRUMENT: GFAA ___ ICP ✓ ICP-MS ___ IC ___ FLAA ___ HYDRIDE ___ OTHER ___
ACID INORG #: HNO_3# 6813 HCl# 6817 H_2SO_4# ___ $HClO_4$# ___ HF# ___ H_2O_2# ___
INTERNAL STD: Sc @ 10 PPM ✓ Be @ 10 PPM ✓ SOURCE: IV INORG# 640C EXP: 4/08 AMT: 150 ml
Oven/Hotplate/ Block ID: N/A Temperature (°C): N/A Time in: N/A Time out: N/A

SAMPLE IDENTIFICATION	pH	WT (g)	I.V. (mL)	F.V. (mL)	
PBW-A31H1			15	15	
LCSW-A31H1*			15	15	
316507			1.5	15	
316507d			1.5	15	
316507S*			1.5	15	
316508			1.5	15	
316509			1.5	15	
316510			1.5	15	
316511			0.6	15	
* Spiked with 150ul	Spike-1 # 6572		EXP 8/15/08		
2ml	ICAL-1 # 6762		EXP 11/30/08		
6ml	Li # 6486		EXP 7-1-08		
~~1.5ml 6ml 5* 6406 EXP 2-1-08~~				DA 2-1-08	
	1-31-08				
					LOCATION:

Pipets verified today

PREPARED BY: ___ DATE: 1-31-08
REVIEWED BY: ___ DATE: 2/1/08
DISPOSAL INT/DATE/LOC: ___

FRM-191 (Rev 5/Mar 07)

Method: DAILY2 Standard: blk
Run Time: 01/31/08 14:31:51

010159

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Avge	-.0000	.0005	-.0000	-.0000	-.0000	.0004	-.0000
SDev	.0000	.0000	.0000	.0000	.0000	.0000	.0000
%RSD	38.79	1.894	76.62	362.8	86.41	7.531	62.60
#1	-.0000	.0005	-.0000	.0000	-.0000	.0004	-.0000
#2	-.0000	.0005	-.0001	-.0000	-.0000	.0004	-.0001

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Avge	.0000	-.0000	-.0000	.0000	.0002	.0001	.0003
SDev	.0000	.0000	.0000	.0000	.0000	.0001	.0003
%RSD	103.3	17.79	13.28	133.3	10.83	134.9	116.6
#1	.0000	-.0000	-.0000	.0000	.0002	.0000	.0001
#2	.0000	-.0000	-.0000	.0000	.0002	.0001	.0005

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Avge	-.0000	.0002	-.0000	.0000	-.0000	-.0001	-.0137
SDev	.0000	.0001	.0000	.0000	.0000	.0001	.0009
%RSD	20.10	40.14	31.81	158.7	102.2	85.95	6.659
#1	-.0000	.0001	-.0000	.0000	-.0000	-.0002	-.0144
#2	-.0000	.0002	-.0000	-.0000	-.0000	-.0000	-.0131

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Avge	.0000	.0000	-.0000	.0000	.0001	.0003	-.0011
SDev	.0000	.0000	.0001	.0000	.0003	.0000	.0000
%RSD	190.5	60.26	600.4	263.8	233.5	5.126	4.240
#1	.0000	.0000	-.0001	.0000	-.0001	.0003	-.0010
#2	-.0000	.0000	.0000	-.0000	.0003	.0003	-.0011

Elem	Sc3613	1960/1	1960/2	Si2881	Sn1899	Sr4215	Th2837
Avge	105.0	-.0002	.0001	.0010	.0000	-.0000	.0000
SDev	2.6	.0000	.0001	.0000	.0000	.0000	.0000
%RSD	2.461	4.122	79.34	3.294	324.9	13.32	37.75
#1	106.8	-.0002	.0002	.0009	-.0000	-.0000	.0000
#2	103.1	-.0002	.0000	.0010	.0000	-.0000	.0000

Elem	Ti3349	Tl1908	U_4090	V_2924	W_2079	Y_3710	Zn2062
Avge	-.0000	-.0001	-.0006	-.0000	.0002	.0000	-.0000
SDev	.0001	.0000	.0000	.0000	.0001	.0000	.0000
%RSD	240.8	41.45	6.453	32.34	24.92	81.27	367.1
#1	.0000	-.0001	-.0006	-.0000	.0002	.0000	-.0000
#2	-.0001	-.0002	-.0007	-.0000	.0002	.0000	.0000

Elem	Zr3496
Avge	.0001
SDev	.0001
%RSD	277.6
#1	.0002
#2	-.0001

1-31-08

2/1/08

010160

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1049478	10000	--	--	--	--	--
SDev	25808.69	.0000000	--	--	--	--	--
%RSD	2.459192	.0000000	--	--	--	--	--
#1	1067728	10000	--	--	--	--	--
#2	1031229	10000	--	--	--	--	--

Method: DAILY2 Standard: clp_std4
Run Time: 01/31/08 14:36:38

010161

Elem	Ag3280	As1890	2203/1	2203/2	Sb2068	1960/1	1960/2
Avge	.0752	.1023	.2889	.2638	.1416	.1574	.1902
SDev	.0001	.0000	.0049	.0033	.0004	.0022	.0039
%RSD	.1084	.0144	1.709	1.247	.3173	1.404	2.059
#1	.0753	.1024	.2924	.2615	.1413	.1590	.1875
#2	.0752	.1023	.2854	.2661	.1419	.1558	.1930

Elem	Tl1908
Avge	.1940
SDev	.0003
%RSD	.1620
#1	.1937
#2	.1942

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1075170	10000	--	--	--	--	--
SDev	15728.18	.0000000	--	--	--	--	--
%RSD	1.462854	.0000000	--	--	--	--	--
#1	1064049	10000	--	--	--	--	--
#2	1086292	10000	--	--	--	--	--

Method: DAILY2 Standard: clp_std1
Run Time: 01/31/08 14:41:01

010162

Elem	Al3082	Ca3179	Fe2714	K_7664	Li6707	Mg2790	Na3302
Avge	.0825	.2187	.0742	.1948	3.178	.0858	.0067
SDev	.0003	.0000	.0000	.0007	.002	.0001	.0000
%RSD	.4239	.0117	.0397	.3800	.0761	.1180	.1852
#1	.0828	.2186	.0742	.1942	3.177	.0859	.0067
#2	.0823	.2187	.0741	.1953	3.180	.0857	.0067

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1068858	10000	--	--	--	--	--
SDev	3493.815	.0000000	--	--	--	--	--
%RSD	.3268735	.0000000	--	--	--	--	--
#1	1066388	10000	--	--	--	--	--
#2	1071329	10000	--	--	--	--	--

Method: DAILY2 Standard: clp_std5
Run Time: 01/31/08 14:44:41

010163

Elem	B_2496	Bi2230	Mo2020	P_1782	Si2881	Sn1899	Sr4215
Avge	.1325	.0259	.2615	.0260	.1338	.1424	2.559
SDev	.0006	.0001	.0029	.0001	.0004	.0002	.011
%RSD	.4457	.2377	1.123	.5409	.2682	.1481	.4242
#1	.1321	.0259	.2594	.0259	.1336	.1422	2.566
#2	.1329	.0260	.2635	.0261	.1341	.1425	2.551

Elem	Ti3349
Avge	2.775
SDev	.002
%RSD	.0550
#1	2.776
#2	2.774

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1092636	10000	--	--	--	--	--
SDev	55147.26	.0000000	--	--	--	--	--
%RSD	5.047175	.0000000	--	--	--	--	--
#1	1131631	10000	--	--	--	--	--
#2	1053641	10000	--	--	--	--	--

Method: DAILY2 Standard: clp_std2
Run Time: 01/31/08 14:48:21

010164

Elem	Ba4934	Be3130	Cr2677	Cu3247	Ni2316
Avge	1.053	1.310	.4078	.2870	.3038
SDev	.002	.002	.0011	.0002	.0010
%RSD	.1925	.1804	.2765	.0724	.3270
#1	1.051	1.312	.4086	.2868	.3045
#2	1.054	1.308	.4070	.2871	.3031

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1098160	10000	--	--	--	--	--
SDev	10636.30	.0000000	--	--	--	--	--
%RSD	.9685565	.0000000	--	--	--	--	--
#1	1090639	10000	--	--	--	--	--
#2	1105681	10000	--	--	--	--	--

Method: DAILY2 Standard: clp_std3
Run Time: 01/31/08 14:52:01

010165

Elem	Cd2265	Co2286	Mn2576	V_2924	Zn2062
Avge	.9334	.1880	.9468	.1947	.2555
SDev	.0003	.0001	.0000	.0000	.0005
%RSD	.0271	.0444	.0043	.0212	.1949
#1	.9333	.1880	.9468	.1948	.2552
#2	.9336	.1881	.9469	.1947	.2559

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1037500	10000	--	--	--	--	--
SDev	9225.622	.0000000	--	--	--	--	--
%RSD	.8892162	.0000000	--	--	--	--	--
#1	1044024	10000	--	--	--	--	--
#2	1030977	10000	--	--	--	--	--

Method: DAILY2 Standard: clp_std6
Run Time: 01/31/08 14:55:51

010166

Elem	La3988	Na5889	Pd3404	S_1820	Th2837	U_4090	W_2079
Avge	.4702	.0370	.1736	.0232	.0920	.0600	.1973
SDev	.0002	.0003	.0001	.0001	.0002	.0003	.0006
%RSD	.0430	.8015	.0848	.4806	.2108	.4972	.3253
#1	.4703	.0372	.1738	.0232	.0921	.0598	.1978
#2	.4700	.0368	.1735	.0233	.0918	.0602	.1969

Elem	Y_3710	Zr3496
Avge	.7312	1.826
SDev	.0003	.002
%RSD	.0463	.1232
#1	.7314	1.828
#2	.7310	1.825

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1062662	10000	--	--	--	--	--
SDev	4164.152	.0000000	--	--	--	--	--
%RSD	.3918603	.0000000	--	--	--	--	--
#1	1065607	10000	--	--	--	--	--
#2	1059718	10000	--	--	--	--	--

Method: DAILY2 Sample Name: icv/ccv Operator:
Run Time: 01/31/08 14:59:54
Comment:
Mode: CONC Corr. Factor: 1

010167

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9926	9.873	5.099	5.066	9.941	1.022	4.879
SDev	.0022	.060	.015	.003	.008	.000	.018
%RSD	.2261	.6046	.2853	.0652	.0774	.0159	.3717
#1	.9942	9.915	5.089	5.064	9.935	1.023	4.891
#2	.9910	9.831	5.109	5.068	9.946	1.022	4.866
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	10.00	5.000	5.000	10.00	1.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.84	.9962	4.929	1.975	1.975	10.45	18.32
SDev	.02	.0010	.004	.004	.005	.03	.10
%RSD	.1254	.1043	.0849	.2168	.2430	.3129	.5439
#1	19.86	.9954	4.932	1.978	1.978	10.47	18.39
#2	19.82	.9969	4.926	1.972	1.971	10.43	18.25
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.00	1.000	5.000	2.000	2.000	10.00	20.00
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.922	4.722	20.17	.9860	5.116	28.30	Q43.07
SDev	.002	.021	.04	.0012	.008	.38	.35
%RSD	.0328	.4390	.2064	.1218	.1615	1.351	.8019
#1	4.921	4.737	20.20	.9868	5.110	28.57	Q43.32
#2	4.924	4.707	20.14	.9851	5.122	28.03	Q42.83
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	5.000	5.000	20.00	1.000	5.000	30.00	30.00
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.917	5.071	4.900	4.888	.9985	1.024	.9916
SDev	.006	.005	.069	.013	.0115	.004	.0009
%RSD	.1131	.1055	1.418	.2690	1.154	.4045	.0878
#1	4.913	5.067	4.851	4.898	1.007	1.021	.9910
#2	4.921	5.075	4.949	4.879	.9903	1.027	.9922
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	5.000	5.000			1.000	1.000	1.000
Range	10.00	10.00			10.00	10.00	10.00

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010168

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.80	5.158	5.148	4.967	4.892	5.151	4.742
SDev	.29	.115	.006	.014	.014	.043	.005
%RSD	.2952	2.238	.1250	.2912	.2941	.8304	.0987
#1	97.60	5.076	5.143	4.978	4.882	5.121	4.739
#2	98.01	5.240	5.152	4.957	4.903	5.181	4.746
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				5.000	5.000	5.000	5.000
Range				10.00	10.00	10.00	10.00

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.918	.9980	4.850	5.165	1.084	4.860	.9540
SDev	.007	.0061	.007	.021	.095	.008	.0032
%RSD	.1365	.6128	.1461	.4082	8.807	.1669	.3345
#1	4.913	.9937	4.845	5.150	Q1.151	4.866	.9517
#2	4.922	1.002	4.855	5.180	1.016	4.855	.9562
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	1.000	5.000	5.000	1.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.045	.9858	4.912
SDev	.002	.0009	.005
%RSD	.0324	.0881	.1009
#1	5.044	.9864	4.909
#2	5.046	.9852	4.916
Errors	QC Pass	QC Pass	QC Pass
Value	5.000	1.000	5.000
Range	10.00	10.00	10.00

010169

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1026448	10000	--	--	--	--	--
SDev	3000.254	.0000000	--	--	--	--	--
%RSD	.2922946	.0000000	--	--	--	--	--
#1	1024327	10000	--	--	--	--	--
#2	1028570	10000	--	--	--	--	--

Method: DAILY2 Sample Name: icb/ccb Operator:
Run Time: 01/31/08 15:04:40 010170
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0010	-.0009	.0106	.0006	.0001	.0042
SDev	.0025	.0083	.0003	.0040	.0003	.0001	.0060
%RSD	319.7	828.9	35.29	37.81	55.68	103.3	141.4
#1	-.0026	-.0068	-.0007	.0134	.0003	.0000	-.0000
#2	.0010	.0048	-.0011	.0078	.0008	.0001	.0084
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0000	.0001	-.0005	-.0000	-.0367	-.0320
SDev	.0027	.0003	.0014	.0022	.0010	.0211	.0228
%RSD	417.9	956.0	2048.	457.0	3914.	57.52	71.16
#1	-.0025	-.0002	-.0009	.0011	.0007	L-.0516	-.0481
#2	.0013	.0002	.0011	-.0020	-.0008	-.0218	-.0159
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0004	-.0012	.0000	.0025	L-.1745	-.0100
SDev	.0032	.0003	.0209	.0001	.0010	.0588	.0213
%RSD	411.3	66.89	1765.	381.7	41.52	33.73	212.4
#1	-.0031	.0002	-.0160	.0001	.0033	L-.2161	-.0251
#2	.0015	.0006	.0136	-.0001	.0018	L-.1329	.0050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0108	-.0005	.0009	L-.0059	-.0082	-.0013
SDev	.0005	.0015	.0048	.0027	.0044	.0039	.0031
%RSD	909.8	14.03	1056.	319.5	74.28	46.98	238.9
#1	.0003	.0119	-.0039	.0028	L-.0089	-.0110	.0009
#2	-.0004	.0097	.0030	-.0011	-.0028	-.0055	-.0035
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

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Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	99.87	.0044	-.0004	-.0015	.0004	.0012	-.0003
SDev	1.99	.0005	.0012	.0077	.0002	.0009	.0015
%RSD	1.993	10.96	290.5	505.3	47.40	76.63	591.8
#1	98.46	.0041	-.0012	-.0069	.0006	.0006	-.0013
#2	101.3	.0048	.0004	.0039	.0003	.0019	.0008
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0027	.0002	-.0028	-.0521	-.0001	-.0025
SDev	.0005	.0097	.0003	.0025	.1294	.0011	.0032
%RSD	172.9	361.7	184.9	89.45	248.3	1407.	128.6
#1	-.0001	.0096	.0004	-.0045	L-.1436	.0007	-.0047
#2	.0007	-.0042	-.0001	-.0010	.0394	-.0009	-.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0002	-.0001	-.0001
SDev	.0000	.0006	.0011
%RSD	3.962	483.0	1942.
#1	.0002	-.0005	.0007
#2	.0002	.0003	-.0008
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010172

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1048096	10000	--	--	--	--	--
SDev	20875.91	.0000000	--	--	--	--	--
%RSD	1.991793	.0000000	--	--	--	--	--
#1	1033335	10000	--	--	--	--	--
#2	1062858	10000	--	--	--	--	--

Method: DAILY2 Sample Name: cri Operator:
Run Time: 01/31/08 15:09:26 010173
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0206	.1102	.0194	.1107	.0201	.0100	.0088
SDev	.0003	.0046	.0014	.0012	.0001	.0001	.0005
%RSD	1.516	4.139	7.072	1.071	.3058	1.113	6.011
#1	.0203	.1134	.0184	.1098	.0201	.0099	.0092
#2	.0208	.1070	.0203	.1115	.0201	.0101	.0084
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0200	.1000	.0200	.1000	.0200	.0100	
Range	50.00	50.00	50.00	50.00	50.00	50.00	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	.0101	.0985	.0180	.0464	.0878	-.0319
SDev	.0019	.0001	.0001	.0019	.0001	.0169	.0333
%RSD	61.61	1.045	.1075	10.67	.2627	19.31	104.3
#1	-.0044	.0102	.0984	.0166	.0464	.0758	-.0554
#2	-.0017	.0100	.0986	.0193	.0465	.0997	-.0084
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value		.0100	.1000	.0200	.0500	.1000	
Range		50.00	50.00	50.00	50.00	50.00	

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0701	.0068	.0293	.0206	-.2544	-.0336
SDev	.0001	.0009	.0006	.0002	.0004	.2373	.0132
%RSD	5.522	1.223	7.989	.7113	1.968	93.26	39.40
#1	.0011	.0707	.0064	.0291	.0203	-.4222	-.0243
#2	.0010	.0695	.0072	.0294	.0209	-.0866	-.0430
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value		.1000		.0300	.0200		
Range		50.00		50.00	50.00		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0791	.1072	.0117	.0032	-.0045	.0066	.1135
SDev	.0015	.0050	.0122	.0040	.0070	.0115	.0015
%RSD	1.903	4.698	104.2	124.4	155.7	174.2	1.286
#1	.0780	.1107	.0203	.0004	-.0095	-.0015	.1146
#2	.0802	.1036	.0031	.0060	.0005	.0148	.1125
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	.0800	.1000					.1200
Range	50.00	50.00					50.00

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010174

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.72	.0207	.0061	.1089	.0061	.0110	.0994
SDev	3.99	.0018	.0038	.0017	.0014	.0020	.0013
%RSD	4.088	8.553	63.01	1.593	23.03	17.96	1.339
#1	100.5	.0219	.0034	.1101	.0070	.0096	.0985
#2	94.89	.0194	.0088	.1076	.0051	.0123	.1004
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				.1000	.0060	.0100	.1000
Range				50.00	50.00	50.00	50.00

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0206	-.0041	.0191	.0177	.2344	.0949	-.0015
SDev	.0001	.0050	.0004	.0005	.0170	.0013	.0004
%RSD	.5237	122.2	2.041	2.807	7.245	1.376	29.16
#1	.0207	-.0077	.0188	.0173	.2464	.0939	-.0018
#2	.0205	-.0006	.0193	.0180	.2224	.0958	-.0012
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0200		.0200	.0200	.2000	.1000	
Range	50.00		50.00	50.00	50.00	50.00	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0003	.0398	.0846
SDev	.0003	.0003	.0013
%RSD	88.29	.6263	1.581
#1	-.0005	.0396	.0836
#2	-.0001	.0400	.0855
Errors	NOCHECK	QC Pass	QC Pass
Value		.0400	.1000
Range		50.00	50.00

010175

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1025644	10000	--	--	--	--	--
SDev	41929.31	.0000000	--	--	--	--	--
%RSD	4.088094	.0000000	--	--	--	--	--
#1	1055293	10000	--	--	--	--	--
#2	995996	10000	--	--	--	--	--

Method: DAILY2 Sample Name: icsa Operator: 010176
Run Time: 01/31/08 15:14:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	505.7	.0076	-.0127	.0009	.0001	.0017
SDev	.0017	.1	.0009	.0012	.0001	.0000	.0059
%RSD	87.73	.0287	12.20	9.472	6.220	26.36	348.4
#1	-.0007	505.8	.0070	-.0135	.0009	.0002	.0058
#2	-.0031	505.6	.0083	-.0118	.0010	.0001	-.0025
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value		500.0					
Range		20.00					

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	461.0	-.0010	-.0007	-.0017	.0012	188.1	-.0590
SDev	2.1	.0001	.0002	.0011	.0002	.5	.0329
%RSD	.4500	8.793	36.53	62.35	18.13	.2571	55.85
#1	462.5	-.0010	-.0008	-.0025	.0011	188.4	-.0357
#2	459.5	-.0009	-.0005	-.0010	.0014	187.8	-.0822
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	500.0					200.0	
Range	20.00					20.00	

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0006	537.7	.0015	-.0013	.0731	-.0195
SDev	.0009	.0001	1.9	.0001	.0004	.2135	.0011
%RSD	359.7	17.93	.3598	3.606	26.31	292.0	5.644
#1	.0004	.0007	539.0	.0015	-.0011	.2240	-.0203
#2	-.0009	.0005	536.3	.0016	-.0016	-.0778	-.0187
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			500.0				
Range			20.00				

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0023	.0412	-.0181	-.0022	.0197	.0037
SDev	.0000	.0030	.0124	.0094	.0079	.0003	.0068
%RSD	3.406	132.8	30.11	52.09	360.1	1.373	180.3
#1	.0004	.0044	.0500	-.0247	.0034	.0195	-.0010
#2	.0005	.0001	.0324	-.0114	-.0078	.0199	.0085
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	87.48	.0132	-.0162	-.0042	.0017	-.0064	-.0041
SDev	1.52	.0127	.0075	.0065	.0021	.0007	.0023
%RSD	1.734	96.61	46.14	153.7	125.1	11.55	56.25
#1	86.41	.0222	-.0215	.0004	.0002	-.0069	-.0058
#2	88.56	.0042	-.0109	-.0088	.0032	-.0059	-.0025
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	-.0300	-.0006	.0058	-.1463	-.0011	.0060
SDev	.0000	.0075	.0001	.0038	.0625	.0005	.0046
%RSD	.2081	25.13	14.72	65.46	42.70	48.75	76.21
#1	.0083	-.0353	-.0006	.0031	-.1022	-.0014	.0092
#2	.0082	-.0246	-.0005	.0085	-.1905	-.0007	.0028
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0014	.0038	-.0019
SDev	.0001	.0011	.0004
%RSD	5.188	29.57	22.49
#1	-.0014	.0030	-.0022
#2	-.0015	.0046	-.0016
Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

010178

IntStd	1	2	3	4	5	6	
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	918208	10000	--	--	--	--	--
SDev	15926.17	.0000000	--	--	--	--	--
%RSD	1.734484	.0000000	--	--	--	--	--
#1	906946	10000	--	--	--	--	--
#2	929469	10000	--	--	--	--	--

Method: DAILY2 Sample Name: icsab Operator: 010179
Run Time: 01/31/08 15:18:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.074	500.8	1.059	1.033	.5197	.5025	.0086
SDev	.002	.3	.010	.003	.0004	.0007	.0051
%RSD	.1474	.0659	.8991	.2765	.0782	.1393	59.58
#1	1.073	501.1	1.052	1.031	.5194	.5030	.0050
#2	1.075	500.6	1.065	1.035	.5199	.5020	.0122
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.000	500.0	1.000	1.000	.5000	.5000	
Range	20.00	20.00	20.00	20.00	20.00	20.00	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	458.5	.9241	.4701	.4827	.5236	186.5	-.0011
SDev	.1	.0023	.0001	.0004	.0009	.1	.0064
%RSD	.0224	.2444	.0283	.0884	.1735	.0614	556.4
#1	458.6	.9257	.4702	.4830	.5242	186.6	.0034
#2	458.5	.9225	.4700	.4824	.5229	186.5	-.0056
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	500.0	1.000	.5000	.5000	.5000	200.0	
Range	20.00	20.00	20.00	20.00	20.00	20.00	

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	1.165	535.3	.4867	1.022	.5610	.0213
SDev	.0012	.002	.4	.0004	.003	.1592	.0098
%RSD	123.4	.1406	.0746	.0853	.2985	28.37	45.86
#1	.0001	1.164	535.6	.4870	1.020	.6736	.0144
#2	.0019	1.166	535.1	.4864	1.025	.4485	.0282
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value			500.0	.5000	1.000		
Range			20.00	20.00	20.00		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9277	1.023	1.019	.9606	.0057	.0285	1.060
SDev	.0083	.019	.003	.0118	.0010	.0121	.018
%RSD	.8915	1.903	.2752	1.229	16.96	42.47	1.675
#1	.9335	1.036	1.021	.9690	.0050	.0371	1.048
#2	.9218	1.009	1.017	.9523	.0064	.0199	1.073
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	1.000						1.000
Range	20.00						20.00

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010180

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	85.38	1.016	1.012	1.028	.9800	1.013	.9748
SDev	1.04	.006	.009	.004	.0088	.004	.0035
%RSD	1.217	.5558	.8865	.4259	.8990	.4046	.3629
#1	84.65	1.012	1.018	1.025	.9862	1.016	.9773
#2	86.12	1.020	1.006	1.031	.9738	1.010	.9723
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				1.000	1.000	1.000	1.000
Range				20.00	20.00	20.00	20.00
Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.030	-.0263	.9632	.9863	.8897	.4869	.0012
SDev	.001	.0014	.0003	.0046	.0148	.0015	.0001
%RSD	.1061	5.296	.0301	.4643	1.659	.3133	5.036
#1	1.029	-.0253	.9630	.9895	.8793	.4879	.0012
#2	1.030	-.0273	.9634	.9831	.9002	.4858	.0011
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.000			1.000	1.000	.5000	
Range	20.00			20.00	20.00	20.00	
Elem	Y_3710	Zn2062	Zr3496				
Units	ppm	ppm	ppm				
Avge	-.0014	.9244	.8255				
SDev	.0000	.0024	.0062				
%RSD	1.048	.2622	.7482				
#1	-.0014	.9262	.8211				
#2	-.0014	.9227	.8299				
Errors	NOCHECK	QC Pass	QC Pass				
Value		1.000	1.000				
Range		20.00	20.00				

C10181

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	896042	10000	--	--	--	--	--
SDev	10897.93	.0000000	--	--	--	--	--
%RSD	1.216230	.0000000	--	--	--	--	--
#1	888336	10000	--	--	--	--	--
#2	903748	10000	--	--	--	--	--

Analysis Report QC Standard 01/31/08 03:28:15 PM page 1

Method: DAILY2 Sample Name: icv/ccv Operator:
Run Time: 01/31/08 15:23:41 010182
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9969	10.00	5.096	5.084	9.998	1.017	4.901
SDev	.0009	.14	.022	.017	.000	.001	.019
%RSD	.0897	1.441	.4392	.3421	.0040	.1358	.3976
#1	.9963	10.10	5.111	5.071	9.997	1.018	4.887
#2	.9976	9.901	5.080	5.096	9.998	1.016	4.915
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.000	10.00	5.000	5.000	10.00	1.000	5.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.78	.9887	4.902	1.965	1.997	10.39	18.75
SDev	.19	.0003	.006	.001	.006	.07	.00
%RSD	.9461	.0267	.1236	.0441	.3164	.6803	.0024
#1	19.91	.9889	4.906	1.966	1.993	10.44	18.75
#2	19.65	.9885	4.897	1.964	2.002	10.34	18.75
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.00	1.000	5.000	2.000	2.000	10.00	20.00
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.945	4.783	20.14	.9824	5.089	28.45	Q43.74
SDev	.006	.001	.20	.0007	.002	.18	.07
%RSD	.1197	.0292	.9753	.0724	.0403	.6310	.1592
#1	4.949	4.782	20.28	.9819	5.087	28.32	Q43.69
#2	4.941	4.784	20.00	.9829	5.090	28.58	Q43.78
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	5.000	5.000	20.00	1.000	5.000	30.00	30.00
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.872	5.043	4.891	4.948	1.010	1.008	.9914
SDev	.019	.029	.062	.016	.006	.009	.0018
%RSD	.3887	.5720	1.263	.3198	.6052	.8704	.1777
#1	4.885	5.063	4.847	4.959	1.006	1.002	.9901
#2	4.858	5.023	4.935	4.936	1.014	1.014	.9926
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	5.000	5.000			1.000	1.000	1.000
Range	10.00	10.00			10.00	10.00	10.00

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010183

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	100.0	5.192	5.258	4.970	4.929	5.236	4.728
SDev	.6	.086	.026	.000	.010	.011	.000
%RSD	.6231	1.651	.4998	.0010	.2038	.2110	.0102
#1	99.59	5.131	5.276	4.970	4.922	5.228	4.727
#2	100.5	5.252	5.239	4.970	4.936	5.244	4.728
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				5.000	5.000	5.000	5.000
Range				10.00	10.00	10.00	10.00

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.947	.9919	4.861	5.152	1.039	4.854	.9502
SDev	.006	.0026	.003	.012	.066	.007	.0009
%RSD	.1259	.2569	.0674	.2240	6.391	.1345	.0974
#1	4.952	.9937	4.859	5.144	.9922	4.849	.9509
#2	4.943	.9901	4.864	5.160	1.086	4.858	.9496
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	5.000	1.000	5.000	5.000	1.000	5.000	1.000
Range	10.00	10.00	10.00	10.00	10.00	10.00	10.00

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.056	.9728	4.930
SDev	.006	.0023	.003
%RSD	.1278	.2406	.0635
#1	5.061	.9745	4.932
#2	5.051	.9712	4.928
Errors	QC Pass	QC Pass	QC Pass
Value	5.000	1.000	5.000
Range	10.00	10.00	10.00

010184

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1049924	10000	--	--	--	--	--
SDev	6523.060	.0000000	--	--	--	--	--
%RSD	.6212885	.0000000	--	--	--	--	--
#1	1045312	10000	--	--	--	--	--
#2	1054537	10000	--	--	--	--	--

Method: DAILY2 Sample Name: icb/ccb Operator: 010185
Run Time: 01/31/08 15:28:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0029	.0008	.0106	-.0000	-.0000	.0028
SDev	.0007	.0084	.0004	.0025	.0002	.0000	.0049
%RSD	218.8	283.7	46.18	23.82	944.2	91.05	174.3
#1	.0002	.0030	.0011	.0124	.0001	-.0000	.0063
#2	-.0008	-.0089	.0005	.0088	-.0001	-.0001	-.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	.0001	.0000	-.0002	-.0005	-.0251	-.0278
SDev	.0008	.0001	.0004	.0000	.0006	.0082	.0124
%RSD	36.99	126.5	1458.	.7231	117.7	32.47	44.55
#1	-.0016	.0001	.0003	-.0002	-.0001	-.0193	-.0191
#2	-.0028	.0000	-.0003	-.0002	-.0010	-.0309	-.0366
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0001	.0018	-.0000	.0027	L-.2115	.0059
SDev	.0010	.0002	.0054	.0001	.0011	.1548	.0064
%RSD	136.7	201.2	298.1	515.7	40.71	73.19	108.7
#1	-.0000	.0002	.0056	.0001	.0035	L-.1020	.0104
#2	-.0015	-.0000	-.0020	-.0001	.0019	L-.3209	.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0046	.0042	-.0002	-.0045	-.0171	-.0041
SDev	.0005	.0003	.0043	.0002	.0033	.0072	.0012
%RSD	104.3	7.199	103.1	124.0	73.59	42.17	29.78
#1	-.0001	.0044	.0073	-.0004	-.0022	-.0120	-.0032
#2	-.0009	.0049	.0011	-.0000	L-.0069	L-.0223	-.0049
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010186

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.3	.0085	-.0015	-.0012	.0013	.0019	.0007
SDev	.4	.0048	.0031	.0045	.0013	.0004	.0013
%RSD	.4102	56.52	205.9	363.0	100.1	24.21	187.9
#1	103.6	.0119	-.0037	.0019	.0022	.0015	.0016
#2	103.0	.0051	.0007	-.0044	.0004	.0022	-.0002
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0005	-.0002	.0008	-.0117	-.0006	.0001
SDev	.0000	.0001	.0001	.0006	.0358	.0004	.0023
%RSD	738.7	15.37	84.62	76.09	306.7	68.49	4307.
#1	.0000	.0006	-.0001	.0004	.0136	-.0003	.0017
#2	-.0000	.0005	-.0003	.0012	-.0370	-.0009	-.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0001	.0001	.0001
SDev	.0002	.0002	.0011
%RSD	255.4	257.5	1227.
#1	.0001	.0003	.0008
#2	-.0002	-.0001	-.0007
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010187

IntStd	1	2	3	4	5	6	
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1083730	10000	--	--	--	--	--
SDev	4394.668	.0000000	--	--	--	--	--
%RSD	.4055134	.0000000	--	--	--	--	--
#1	1086837	10000	--	--	--	--	--
#2	1080622	10000	--	--	--	--	--

Method: DAILY2 Sample Name: PBW-A31H1 Operator:
Run Time: 01/31/08 15:33:12 010188
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0370	.0022	.0077	.0001	.0000	.0084
SDev	.0005	.0021	.0017	.0010	.0000	.0000	.0029
%RSD	110.6	5.573	80.06	13.22	25.77	172.3	34.58
#1	.0009	.0355	.0009	.0085	.0001	.0000	H.0104
#2	.0001	.0384	.0034	.0070	.0001	-.0000	.0063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0002	.0024	.0005	.0008	-.0289	-.0240
SDev	.0008	.0001	.0010	.0002	.0001	.0140	.0131
%RSD	41.47	92.84	41.92	40.79	10.69	48.47	54.76
#1	.0026	.0003	.0031	.0006	.0009	-.0190	-.0147
#2	.0014	.0001	.0017	.0003	.0008	-.0388	-.0332
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0001	.0085	.0001	.0002	L-.1794	-.0056
SDev	.0017	.0001	.0059	.0001	.0004	.2802	.0077
%RSD	138.2	98.83	68.80	59.27	166.0	156.2	137.4
#1	.0024	.0001	.0127	.0002	.0005	.0187	-.0110
#2	.0000	.0000	.0044	.0001	-.0000	L-.3775	-.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0060	-.0011	.0016	-.0045	-.0091	.0037
SDev	.0010	.0086	.0023	.0005	.0044	.0045	.0011
%RSD	832.5	142.8	217.2	28.54	99.74	49.07	29.51
#1	.0006	.0120	.0006	.0019	-.0013	-.0123	.0029
#2	-.0008	-.0001	-.0027	.0013	L-.0076	-.0059	.0044
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010189

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	100.2	.0060	.0017	.0038	.0007	.0031	.0003
SDev	2.0	.0038	.0008	.0068	.0011	.0008	.0029
%RSD	2.033	63.98	45.99	180.1	146.0	24.50	1128.
#1	98.80	.0033	.0022	.0085	.0015	.0026	.0023
#2	101.7	.0087	.0011	-.0010	-.0000	.0037	-.0018
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0032	.0001	-.0010	.0453	.0009	.0018
SDev	.0001	.0034	.0001	.0021	.0545	.0002	.0009
%RSD	77.58	106.4	75.90	216.7	120.2	19.94	51.04
#1	.0001	.0008	.0002	.0005	.0839	.0008	.0025
#2	.0000	.0057	.0001	-.0024	.0068	.0010	.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0001	.0003	.0012
SDev	.0000	.0002	.0008
%RSD	42.36	54.65	68.01
#1	.0001	.0004	.0018
#2	.0001	.0002	.0006
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010190

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1052005	10000	--	--	--	--	--
SDev	21466.35	.0000000	--	--	--	--	--
%RSD	2.040518	.0000000	--	--	--	--	--
#1	1036826	10000	--	--	--	--	--
#2	1067184	10000	--	--	--	--	--

Method: DAILY2 Sample Name: LCSW-A31H1 Operator: 010191
Run Time: 01/31/08 15:37:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0491	1.981	2.032	.0035	2.006	.0503	.0064
SDev	.0006	.005	.003	.0015	.006	.0002	.0011
%RSD	1.267	.2352	.1443	43.80	.3103	.3107	17.44
#1	.0496	1.978	2.030	.0046	2.010	.0502	.0056
#2	.0487	1.984	2.034	.0024	2.001	.0504	.0072

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.19	.0484	.4908	.1943	.2457	1.147	18.92
SDev	.07	.0002	.0013	.0005	.0010	.051	.06
%RSD	.3079	.3742	.2629	.2668	.3950	4.459	.3108
#1	21.15	.0485	.4899	.1947	.2464	1.111	18.96
#2	21.24	.0483	.4917	.1939	.2450	1.183	18.88

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	3.997	21.33	.4927	.0006	19.84	31.05
SDev	.0015	.017	.03	.0011	.0007	.50	.33
%RSD	391.3	.4279	.1606	.2211	122.6	2.518	1.076
#1	.0014	4.009	21.31	.4919	.0011	19.49	31.28
#2	-.0007	3.985	21.36	.4934	.0001	20.19	30.81

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4912	.0100	.4911	.4894	.0018	4.236	.5037
SDev	.0022	.0057	.0061	.0021	.0116	.027	.0020
%RSD	.4520	57.11	1.239	.4199	627.5	.6451	.3939
#1	.4896	.0060	.4868	.4909	-.0063	4.217	.5051
#2	.4928	.0141	.4954	.4880	.0100	4.256	.5023

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	101.3	2.119	2.090	.0125	.4900	2.100	.0006
SDev	1.6	.008	.023	.0023	.0007	.018	.0032
%RSD	1.559	.3558	1.097	18.22	.1343	.8493	503.6
#1	102.4	2.124	2.106	.0142	.4895	2.112	.0029
#2	100.2	2.114	2.074	.0109	.4904	2.087	-.0016

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0260	-.0001	2.061	-.0026	.4803	-.0023
SDev	.0000	.0027	.0000	.008	.0625	.0004	.0022
%RSD	7.982	10.44	74.22	.3655	2403.	.0919	95.48
#1	.0005	-.0279	-.0000	2.056	.0416	.4806	-.0007
#2	.0004	-.0241	-.0001	2.066	-.0468	.4800	-.0038

010192

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0003	.4843	.0020
SDev	.0000	.0022	.0021
%RSD	9.262	.4621	105.0
#1	-.0003	.4827	.0035
#2	-.0003	.4859	.0005

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1063170	10000	--	--	--	--	--
SDev	16684.18	.0000000	--	--	--	--	--
%RSD	1.569286	.0000000	--	--	--	--	--
#1	1074968	10000	--	--	--	--	--
#2	1051373	10000	--	--	--	--	--

Method: DAILY2 Sample Name: 316507 Operator: 010193
Run Time: 01/31/08 15:42:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0154	-.0001	.4908	.0007	-.0000	.0130
SDev	.0019	.0141	.0013	.0010	.0001	.0000	.0059
%RSD	119.8	91.40	1737.	.1994	11.75	152.9	45.26
#1	.0002	.0055	.0008	.4901	.0007	-.0001	.0089
#2	.0030	.0254	-.0010	.4914	.0006	.0000	.0172

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8249	.0003	.0026	-.0009	.0003	-.0098	.0131
SDev	.0127	.0003	.0011	.0013	.0003	.0356	.0510
%RSD	1.541	80.52	40.97	144.7	123.6	364.0	388.9
#1	.8160	.0001	.0019	.0000	.0005	-.0350	-.0229
#2	.8339	.0005	.0034	-.0019	.0000	.0154	.0492

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.0002	.0299	.0057	-.0004	.4023	.6820
SDev	.0030	.0001	.0116	.0001	.0007	.5338	.0288
%RSD	119.3	56.24	38.78	1.552	190.9	132.7	4.225
#1	.0004	.0001	.0217	.0058	.0001	.0249	.7024
#2	.0046	.0003	.0381	.0056	-.0009	.7798	.6616

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0094	.0056	-.0023	.0004	.1223	.0006
SDev	.0010	.0002	.0045	.0043	.0110	.0068	.0016
%RSD	112.2	1.721	80.21	192.3	2896.	5.545	273.6
#1	.0017	.0096	.0024	.0008	-.0074	.1175	.0017
#2	.0002	.0093	.0087	-.0053	.0082	.1270	-.0005

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	106.5	.0114	-.0059	5.435	.0004	-.0001	.0014
SDev	4.9	.0044	.0021	.062	.0014	.0001	.0013
%RSD	4.603	38.27	35.40	1.144	383.1	78.83	88.80
#1	110.0	.0083	-.0044	5.391	.0014	-.0001	.0005
#2	103.1	.0145	-.0073	5.479	-.0006	-.0000	.0023

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0052	-.0002	.0002	.1007	-.0006	.0012
SDev	.0001	.0052	.0002	.0002	.0979	.0004	.0024
%RSD	7.554	100.9	68.55	66.34	97.28	59.98	199.4
#1	.0010	-.0015	-.0001	.0001	.0314	-.0004	-.0005
#2	.0012	-.0088	-.0003	.0003	.1699	-.0009	.0028

010194

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0001	.0033	.0002
SDev	.0001	.0002	.0003
%RSD	89.48	6.331	108.8
#1	-.0000	.0031	.0004
#2	-.0002	.0034	.0001

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1118158	10000	--	--	--	--	--
SDev	51491.52	.0000000	--	--	--	--	--
%RSD	4.605030	.0000000	--	--	--	--	--
#1	1154568	10000	--	--	--	--	--
#2	1081748	10000	--	--	--	--	--

Method: DAILY2 Sample Name: 316507D Operator: 010195
Run Time: 01/31/08 15:47:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0155	.0018	.4978	.0007	.0000	.0036
SDev	.0003	.0052	.0004	.0023	.0001	.0000	.0013
%RSD	346.6	33.20	23.71	.4689	12.34	149.9	36.18
#1	.0001	.0192	.0021	.4995	.0006	.0000	.0027
#2	-.0003	.0119	.0015	.4962	.0007	-.0000	.0046

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8414	-.0000	.0012	-.0002	.0003	-.0121	.0111
SDev	.0006	.0001	.0008	.0004	.0001	.0331	.0280
%RSD	.0777	4060.	68.41	168.9	33.71	273.3	252.2
#1	.8409	.0001	.0018	-.0005	.0002	.0113	.0310
#2	.8418	-.0001	.0006	.0000	.0003	-.0355	-.0087

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0001	.0095	.0058	-.0001	.4482	.6552
SDev	.0008	.0001	.0046	.0001	.0004	.1335	.0075
%RSD	231.5	72.18	48.76	2.061	434.8	29.79	1.144
#1	.0002	.0002	.0128	.0057	-.0004	.5427	.6605
#2	-.0009	.0001	.0062	.0059	.0002	.3538	.6499

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0099	-.0021	.0044	-.0010	.2392	-.0056
SDev	.0006	.0068	.0047	.0015	.0045	.0110	.0044
%RSD	461.3	68.25	226.3	33.99	434.4	4.597	78.10
#1	.0003	.0147	.0012	.0033	.0021	.2314	-.0087
#2	-.0006	.0051	-.0054	.0054	-.0042	.2470	-.0025

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	101.4	.0059	.0003	5.475	.0022	.0022	.0020
SDev	.6	.0030	.0028	.047	.0006	.0029	.0005
%RSD	.5577	50.23	842.1	.8657	25.62	130.5	27.34
#1	101.8	.0038	-.0017	5.442	.0026	.0002	.0016
#2	101.0	.0080	.0023	5.509	.0018	.0042	.0024

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0004	-.0002	-.0001	.0017	-.0005	-.0002
SDev	.0000	.0047	.0001	.0013	.0609	.0004	.0012
%RSD	2.464	1120.	52.86	1272.	3644.	79.28	482.6
#1	.0010	-.0029	-.0002	-.0010	.0447	-.0008	.0006
#2	.0010	.0038	-.0001	.0008	-.0414	-.0002	-.0011

010196

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0001	.0029	-.0001
SDev	.0000	.0002	.0001
%RSD	25.00	6.622	94.01
#1	-.0002	.0030	-.0000
#2	-.0001	.0028	-.0002

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1064452	10000	--	--	--	--	--
SDev	5967.274	.0000000	--	--	--	--	--
%RSD	.5605962	.0000000	--	--	--	--	--
#1	1068671	10000	--	--	--	--	--
#2	1060232	10000	--	--	--	--	--

Method: DAILY2 Sample Name: 316507S Operator:
Run Time: 01/31/08 15:52:13 010197
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0493	1.965	2.012	.4951	1.969	.0505	.0117
SDev	.0004	.001	.001	.0016	.005	.0001	.0024
%RSD	.7672	.0714	.0644	.3170	.2391	.1870	20.99
#1	.0496	1.964	2.011	.4940	1.966	.0506	.0099
#2	.0490	1.966	2.012	.4962	1.972	.0505	.0134

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.73	.0484	.4935	.1948	.2403	1.134	18.05
SDev	.05	.0007	.0000	.0011	.0012	.004	.05
%RSD	.2186	1.372	.0076	.5513	.4971	.3700	.2642
#1	21.76	.0489	.4935	.1955	.2395	1.137	18.01
#2	21.70	.0479	.4934	.1940	.2412	1.131	18.08

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	3.785	21.05	.4999	-.0003	19.78	30.30
SDev	.0008	.010	.01	.0004	.0004	.03	.07
%RSD	56.82	.2698	.0617	.0779	144.3	.1325	.2466
#1	.0018	3.778	21.06	.5001	-.0006	19.80	30.25
#2	.0008	3.792	21.04	.4996	.0000	19.76	30.36

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4905	.0040	.4880	.4942	-.0021	4.248	.5004
SDev	.0035	.0072	.0015	.0044	.0047	.013	.0040
%RSD	.7203	179.8	.3121	.8960	222.9	.3055	.8060
#1	.4880	-.0011	.4891	.4973	.0012	4.239	.4976
#2	.4930	.0091	.4869	.4910	-.0055	4.257	.5033

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.99	2.100	2.109	8.467	.4921	2.106	.0013
SDev	1.55	.017	.008	.343	.0034	.000	.0012
%RSD	1.577	.8014	.3954	4.050	.7019	.0019	92.23
#1	96.90	2.088	2.114	8.225	.4946	2.106	.0021
#2	99.09	2.112	2.103	8.710	.4897	2.106	.0004

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	-.0263	-.0001	2.046	.0459	.4786	-.0034
SDev	.0001	.0030	.0001	.002	.0438	.0007	.0015
%RSD	3.586	11.32	103.4	.0928	95.50	.1536	44.55
#1	.0014	-.0284	-.0002	2.045	.0768	.4791	-.0045
#2	.0013	-.0242	-.0000	2.048	.0149	.4781	-.0023

010198

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0004	.4955	.0007
SDev	.0002	.0021	.0003
%RSD	49.00	.4309	49.00
#1	-.0005	.4970	.0005
#2	-.0002	.4940	.0010

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1028502	10000	--	--	--	--	--
SDev	16214.67	.0000000	--	--	--	--	--
%RSD	1.576531	.0000000	--	--	--	--	--
#1	1017037	10000	--	--	--	--	--
#2	1039968	10000	--	--	--	--	--

Method: DAILY2 Sample Name: 316508 Operator:
Run Time: 01/31/08 15:56:59
Comment:
Mode: CONC Corr. Factor: 1

010199

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0162	.0031	.5184	.0000	-.0000	.0059
SDev	.0011	.0004	.0031	.0008	.0002	.0000	.0010
%RSD	1056.	2.371	100.7	.1586	1053.	212.5	16.42
#1	.0009	.0165	.0009	.5178	.0001	.0000	.0066
#2	-.0007	.0159	.0053	.5189	-.0001	-.0000	.0052

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1638	.0001	.0023	-.0008	-.0001	-.0242	-.0072
SDev	.0031	.0003	.0001	.0015	.0011	.0191	.0423
%RSD	1.868	208.6	5.263	179.8	803.2	78.91	588.7
#1	.1660	.0003	.0024	.0002	.0006	-.0107	.0227
#2	.1617	-.0001	.0022	-.0019	-.0009	-.0377	-.0371

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0002	.0053	.0000	-.0003	.2492	.5595
SDev	.0014	.0002	.0094	.0001	.0002	.3629	.0000
%RSD	332.3	89.36	176.0	574.7	66.61	145.6	.0059
#1	.0014	.0004	.0120	.0001	-.0004	.5058	.5595
#2	-.0006	.0001	-.0013	-.0000	-.0001	-.0074	.5595

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0053	.0047	-.0011	-.0035	.0374	-.0032
SDev	.0012	.0012	.0015	.0019	.0106	.0031	.0049
%RSD	98.88	22.76	32.29	174.7	303.6	8.223	153.0
#1	-.0004	.0061	.0037	.0003	.0040	.0352	.0003
#2	-.0021	.0044	.0058	-.0025	-.0110	.0395	-.0067

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.05	.0093	.0002	1.614	.0009	.0033	.0001
SDev	1.09	.0052	.0024	.036	.0008	.0033	.0011
%RSD	1.122	56.32	945.0	2.216	92.89	101.2	930.1
#1	96.28	.0056	-.0014	1.639	.0014	.0009	-.0006
#2	97.82	.0130	.0019	1.589	.0003	.0056	.0009

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0000	-.0002	.0008	.0399	-.0007	-.0010
SDev	.0001	.0022	.0004	.0025	.0384	.0012	.0019
%RSD	19.89	10070.	226.0	317.5	96.12	189.3	192.6
#1	.0003	.0015	.0001	-.0010	.0671	.0002	.0004
#2	.0002	-.0016	-.0004	.0025	.0128	-.0015	-.0023

010200

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0001	.0015	-.0002
SDev	.0002	.0002	.0013
%RSD	193.0	11.75	650.5
#1	.0000	.0016	.0007
#2	-.0003	.0014	-.0011

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1018519	10000	--	--	--	--	--
SDev	11354.72	.0000000	--	--	--	--	--
%RSD	1.114827	.0000000	--	--	--	--	--
#1	1010490	10000	--	--	--	--	--
#2	1026548	10000	--	--	--	--	--

Method: DAILY2 Sample Name: 316509 Operator: 010201
Run Time: 01/31/08 16:01:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0124	-.0003	.2065	-.0000	-.0000	.0060
SDev	.0009	.0035	.0014	.0015	.0000	.0000	.0063
%RSD	305.4	28.35	521.7	.7357	150.7	19.25	104.3
#1	-.0009	.0099	-.0012	.2076	.0000	-.0000	.0016
#2	.0003	.0149	.0007	.2054	-.0000	-.0000	.0104

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1643	-.0000	.0022	-.0008	-.0005	-.0552	-.0362
SDev	.0006	.0003	.0004	.0008	.0003	.0030	.0222
%RSD	.3703	554.1	17.81	95.09	66.78	5.498	61.31
#1	.1639	.0001	.0019	-.0013	-.0008	-.0573	-.0518
#2	.1647	-.0002	.0025	-.0003	-.0003	-.0530	-.0205

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0000	-.0022	.0001	-.0004	-.1822	.2667
SDev	.0013	.0000	.0071	.0001	.0000	.0703	.0025
%RSD	475.3	1270.	323.0	124.4	13.59	38.59	.9299
#1	-.0012	-.0000	-.0073	.0001	-.0004	-.2319	.2650
#2	.0007	.0000	.0028	.0000	-.0003	-.1325	.2685

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	.0040	.0014	.0003	-.0094	.0382	-.0040
SDev	.0003	.0008	.0047	.0020	.0048	.0059	.0001
%RSD	27.63	19.39	324.7	731.6	51.24	15.45	2.722
#1	-.0009	.0046	-.0019	.0017	-.0127	.0340	-.0041
#2	-.0013	.0035	.0048	-.0012	-.0060	.0424	-.0039

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	99.58	.0084	-.0045	1.432	.0007	-.0002	-.0019
SDev	.21	.0016	.0009	.006	.0002	.0001	.0007
%RSD	.2100	18.52	19.82	.4251	31.69	42.29	39.35
#1	99.73	.0095	-.0051	1.427	.0005	-.0002	-.0024
#2	99.43	.0073	-.0038	1.436	.0008	-.0001	-.0014

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0029	-.0001	-.0030	-.0184	-.0008	-.0036
SDev	.0001	.0015	.0000	.0010	.0411	.0002	.0006
%RSD	19.00	50.37	12.53	33.49	222.5	19.14	16.36
#1	.0002	.0019	-.0002	-.0037	-.0475	-.0007	-.0040
#2	.0003	.0039	-.0001	-.0023	.0106	-.0010	-.0032

010202

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0002	.0008	-.0006
SDev	.0000	.0002	.0000
%RSD	21.13	22.54	3.443
#1	-.0001	.0007	-.0006
#2	-.0002	.0010	-.0006

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1045110	10000	--	--	--	--	--
SDev	2105.764	.0000000	--	--	--	--	--
%RSD	.2014873	.0000000	--	--	--	--	--
#1	1046599	10000	--	--	--	--	--
#2	1043621	10000	--	--	--	--	--

Method: DAILY2 Sample Name: 316510 Operator:
Run Time: 01/31/08 16:06:30 010203
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0302	-.0000	.5177	.0000	-.0000	.0099
SDev	.0005	.0095	.0009	.0011	.0001	.0000	.0044
%RSD	139.8	31.51	6159.	.2082	145.8	239.4	44.40
#1	.0000	.0234	-.0006	.5185	-.0000	-.0000	.0130
#2	.0007	.0369	.0006	.5169	.0001	.0000	.0068

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2394	.0001	.0024	.0002	.0005	-.0314	-.0058
SDev	.0000	.0002	.0003	.0002	.0000	.0111	.0307
%RSD	.0025	150.5	12.56	109.3	4.946	35.15	531.0
#1	.2394	-.0000	.0026	.0004	.0005	-.0393	-.0275
#2	.2394	.0003	.0022	.0000	.0005	-.0236	.0159

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0004	.0110	.0001	.0002	.3096	.6898
SDev	.0013	.0001	.0016	.0000	.0003	.1405	.0040
%RSD	127.7	21.71	14.37	38.65	122.5	45.38	.5820
#1	.0001	.0003	.0099	.0001	.0000	.2103	.6869
#2	.0019	.0004	.0121	.0001	.0004	.4090	.6926

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0031	.0019	.0005	-.0032	.0439	.0011
SDev	.0001	.0003	.0048	.0023	.0046	.0039	.0004
%RSD	67.93	8.877	249.0	496.9	144.4	8.792	36.89
#1	-.0001	.0029	-.0015	.0021	-.0065	.0466	.0008
#2	-.0003	.0033	.0053	-.0012	.0001	.0412	.0013

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.85	.0039	-.0012	1.803	.0010	.0005	-.0014
SDev	.38	.0021	.0014	.002	.0001	.0017	.0002
%RSD	.3892	54.32	114.6	.1304	8.018	338.7	11.54
#1	98.12	.0055	-.0002	1.802	.0009	.0017	-.0013
#2	97.58	.0024	-.0023	1.805	.0010	-.0007	-.0015

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0008	-.0000	-.0006	.0297	.0002	-.0008
SDev	.0001	.0016	.0001	.0019	.0587	.0000	.0054
%RSD	14.88	205.2	1899.	333.5	197.3	15.09	659.7
#1	.0003	.0020	.0001	.0008	-.0117	.0002	-.0047
#2	.0004	-.0004	-.0001	-.0019	.0712	.0002	.0030

010204

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0000	.0008	.0005
SDev	.0001	.0001	.0006
%RSD	9766.	9.972	134.6
#1	.0000	.0008	.0000
#2	-.0000	.0009	.0009

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1026943	10000	--	--	--	--	--
SDev	4029.095	.0000000	--	--	--	--	--
%RSD	.3923387	.0000000	--	--	--	--	--
#1	1029792	10000	--	--	--	--	--
#2	1024094	10000	--	--	--	--	--

Method: DAILY2 Sample Name: 316511 Operator:
Run Time: 01/31/08 16:11:15
Comment:
Mode: CONC Corr. Factor: 1

010205

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0867	-.0003	1.009	-.0000	-.0000	.0065
SDev	.0002	.0029	.0016	.002	.0000	.0000	.0022
%RSD	73.92	3.351	555.0	.1795	282.3	2364.	33.91
#1	.0001	.0887	-.0014	1.008	.0000	.0000	.0049
#2	.0004	.0846	.0008	1.010	-.0000	-.0000	.0080

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0232	-.0002	.0013	-.0006	-.0005	-.0274	.0598
SDev	.0014	.0000	.0001	.0012	.0006	.0223	.0221
%RSD	6.272	6.649	11.11	209.5	136.6	81.46	36.91
#1	.0242	-.0002	.0014	.0003	-.0000	-.0116	.0754
#2	.0222	-.0002	.0012	-.0015	-.0009	-.0431	.0442

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0002	.0097	-.0000	-.0001	.9324	1.653
SDev	.0001	.0001	.0003	.0000	.0005	.2301	.005
%RSD	167.3	41.05	3.581	182.5	532.6	24.67	.3175
#1	-.0002	.0003	.0094	.0000	.0003	1.095	1.649
#2	.0000	.0002	.0099	-.0001	-.0004	.7697	1.656

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0484	.0013	.0004	-.0029	3.983	-.0025
SDev	.0011	.0064	.0034	.0006	.0050	.181	.0020
%RSD	998.1	13.13	263.2	156.1	172.9	4.544	81.63
#1	.0006	.0529	-.0011	.0008	.0006	3.855	-.0039
#2	-.0009	.0439	.0037	-.0000	-.0065	4.111	-.0011

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899
Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	98.85	.0088	-.0009	.7130	.0007	.0023	.0003
SDev	.11	.0002	.0024	.0050	.0008	.0017	.0006
%RSD	.1101	2.283	256.6	.6938	109.9	73.64	227.3
#1	98.78	.0086	-.0027	.7095	.0002	.0011	-.0002
#2	98.93	.0089	.0008	.7165	.0012	.0035	.0007

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0000	-.0002	-.0027	.0076	-.0008	.0001
SDev	.0000	.0016	.0000	.0015	.0025	.0005	.0017
%RSD	3.531	43060.	7.653	53.93	32.63	59.90	1900.
#1	.0001	.0011	-.0002	-.0038	.0093	-.0005	.0013
#2	.0001	-.0011	-.0002	-.0017	.0058	-.0012	-.0011

010206

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0001	.0006	-.0004
SDev	.0001	.0001	.0006
%RSD	58.64	16.94	153.6
#1	-.0001	.0006	.0000
#2	-.0001	.0007	-.0008

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1037520	10000	--	--	--	--	--
SDev	1207.738	.0000000	--	--	--	--	--
%RSD	.1164063	.0000000	--	--	--	--	--
#1	1036666	10000	--	--	--	--	--
#2	1038374	10000	--	--	--	--	--

Method: DAILY2 Sample Name: CCV2 Operator:
Run Time: 01/31/08 16:16:00 010207
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9921	9.767	5.094	5.041	9.926	1.023	4.855
SDev	.0016	.012	.005	.015	.007	.002	.008
%RSD	.1588	.1253	.0887	.3058	.0714	.2424	.1701
#1	.9910	9.776	5.098	5.030	9.921	1.025	4.861
#2	.9932	9.759	5.091	5.052	9.931	1.021	4.849
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	11.00	5.500	5.500	11.00	1.100	5.500
Low	.9000	9.000	4.500	4.500	9.000	.9000	4.500

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.78	1.002	4.950	1.981	1.962	10.49	18.04
SDev	.00	.001	.003	.002	.002	.04	.13
%RSD	.0155	.0555	.0679	.1156	.0830	.3788	.7042
#1	19.78	1.001	4.952	1.983	1.961	10.46	L17.95
#2	19.78	1.002	4.947	1.980	1.963	10.52	18.13
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.00	1.100	5.500	2.200	2.200	11.00	22.00
Low	18.00	.9000	4.500	1.800	1.800	9.000	18.00

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.898	4.664	20.15	.9900	5.123	28.08	H42.42
SDev	.004	.010	.00	.0001	.005	.34	.08
%RSD	.0724	.2199	.0210	.0084	.1016	1.202	.1837
#1	4.896	4.657	20.16	.9900	5.119	27.84	H42.36
#2	4.901	4.672	20.15	.9899	5.126	28.32	H42.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	5.500	5.500	22.00	1.100	5.500	33.00	33.00
Low	4.500	4.500	18.00	.9000	4.500	27.00	27.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.957	4.983	4.967	5.011	.9947	H1.159	.9851
SDev	.011	.027	.033	.026	.0078	.019	.0008
%RSD	.2218	.5474	.6650	.5186	.7852	1.647	.0774
#1	4.964	4.963	4.943	4.992	.9892	H1.173	.9846
#2	4.949	5.002	4.990	5.029	1.000	H1.146	.9857
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High	LC Pass
High	5.500	5.500			1.100	1.100	1.100
Low	4.500	4.500			.9000	.9000	.9000

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010208

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	93.22	5.203	5.286	5.017	4.996	5.258	4.750
SDev	.31	.037	.038	.021	.028	.038	.005
%RSD	.3311	.7144	.7199	.4106	.5671	.7181	.0950
#1	93.44	5.177	5.259	5.002	4.976	5.232	4.754
#2	93.01	5.230	5.313	5.031	5.016	5.285	4.747
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				5.500	5.500	5.500	5.500
Low				4.500	4.500	4.500	4.500

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.888	.9904	4.842	5.163	1.019	4.851	.9476
SDev	.001	.0034	.002	.008	.004	.002	.0012
%RSD	.0267	.3428	.0332	.1608	.3536	.0467	.1238
#1	4.887	.9928	4.843	5.157	1.017	4.852	.9468
#2	4.889	.9880	4.840	5.169	1.022	4.849	.9485
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500	5.500	1.100	5.500	1.100
Low	4.500	.9000	4.500	4.500	.9000	4.500	.9000

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.033	.9952	4.867
SDev	.003	.0005	.010
%RSD	.0548	.0490	.2139
#1	5.035	.9955	4.874
#2	5.031	.9949	4.859
Errors	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500
Low	4.500	.9000	4.500

010209

IntStd	1	2	3	4	5	6	
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	978380	10000	--	--	--	--	--
SDev	3217.336	.0000000	--	--	--	--	--
%RSD	.3288432	.0000000	--	--	--	--	--
#1	980655	10000	--	--	--	--	--
#2	976105	10000	--	--	--	--	--

Analysis Report 01/31/08 04:25:19 PM page 1

Method: DAILY2 Sample Name: CCB2 Operator:
Run Time: 01/31/08 16:20:45 010210
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0070	-.0007	.0115	.0002	.0000	.0021
SDev	.0003	.0039	.0028	.0023	.0003	.0000	.0029
%RSD	69.46	55.57	390.7	19.91	167.0	34.22	143.7
#1	-.0002	.0042	.0013	.0131	.0004	.0000	.0041
#2	-.0007	.0097	-.0027	.0099	-.0000	.0000	-.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	-.0001	.0010	-.0000	-.0001	-.0283	-.0224
SDev	.0005	.0002	.0006	.0001	.0002	.0140	.0228
%RSD	27.70	247.1	63.40	258.3	301.1	49.41	101.8
#1	.0015	.0001	.0014	-.0001	.0001	-.0382	-.0385
#2	.0023	-.0003	.0005	.0000	-.0003	-.0184	-.0063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0002	-.0021	.0000	.0030	L-.1751	-.0308
SDev	.0009	.0001	.0015	.0000	.0011	.1364	.0032
%RSD	132.5	39.23	71.74	131.3	38.15	77.87	10.38
#1	-.0000	.0002	-.0032	.0001	.0038	L-.2715	-.0330
#2	-.0013	.0001	-.0010	.0000	.0022	L-.0787	-.0285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0083	-.0013	-.0001	-.0044	H.0495	-.0019
SDev	.0013	.0074	.0067	.0001	.0033	.0099	.0010
%RSD	164.1	88.65	516.4	74.17	75.11	20.05	53.20
#1	.0001	.0136	-.0061	-.0001	L-.0068	H.0565	-.0026
#2	-.0017	.0031	.0035	-.0000	-.0021	H.0425	-.0012
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC High	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010211

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.03	.0064	-.0021	H.0196	-.0005	.0007	.0013
SDev	.54	.0038	.0053	.0031	.0023	.0023	.0022
%RSD	.5578	59.20	252.7	15.54	474.4	308.7	172.0
#1	97.41	.0037	.0017	H.0218	-.0021	.0024	-.0003
#2	96.65	.0091	-.0059	H.0175	.0011	-.0009	.0028
Errors	NOCHECK	NOCHECK	NOCHECK	LC High	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0023	.0001	-.0007	-.0213	-.0001	.0006
SDev	.0001	.0014	.0002	.0011	.0066	.0000	.0007
%RSD	120.2	63.02	268.9	149.2	30.95	46.21	114.7
#1	.0002	.0033	.0002	-.0015	-.0260	-.0001	.0011
#2	.0000	.0013	-.0001	.0000	-.0166	-.0000	.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0001	.0001	.0002
SDev	.0001	.0001	.0005
%RSD	159.0	77.32	220.2
#1	.0002	.0001	.0006
#2	-.0000	.0000	-.0001
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

010212

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1018372	10000	--	--	--	--	--
SDev	5671.704	.0000000	--	--	--	--	--
%RSD	.5569380	.0000000	--	--	--	--	--
#1	1022383	10000	--	--	--	--	--
#2	1014362	10000	--	--	--	--	--

Method: DAILY2 Sample Name: CRI Operator: 010213
Run Time: 01/31/08 16:25:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0204	.1135	.0186	.1112	.0205	.0100	.0040
SDev	.0004	.0004	.0013	.0001	.0001	.0001	.0032
%RSD	2.180	.3525	7.004	.0877	.5399	.6411	80.99
#1	.0201	.1132	.0195	.1112	.0204	.0101	.0063
#2	.0207	.1138	.0176	.1111	.0206	.0100	.0017
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0300		.0300	.1500	.0300	.0150	
Low	.0100		.0100	.0500	.0100	.0050	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0098	.0989	.0209	.0483	.0921	-.0129
SDev	.0002	.0003	.0002	.0002	.0010	.0071	.0018
%RSD	37.74	3.003	.1711	.8109	2.126	7.675	14.32
#1	-.0006	.0100	.0987	.0208	.0475	.0871	-.0115
#2	-.0003	.0096	.0990	.0210	.0490	.0971	-.0142
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High		.0150	.1500	.0300	.0750	.1500	
Low		.0050	.0500	.0100	.0250	.0500	

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0698	.0063	.0296	.0223	-.2587	-.0433
SDev	.0001	.0000	.0011	.0000	.0006	.0217	.0137
%RSD	7.127	.0087	18.28	.0617	2.620	8.370	31.71
#1	.0010	.0698	.0055	.0296	.0227	-.2434	-.0530
#2	.0012	.0698	.0071	.0296	.0219	-.2740	-.0336
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
High		.1500		.0450	.0300		
Low		.0500		.0150	.0100		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0809	.1081	.0026	.0075	-.0022	.0363	.1222
SDev	.0011	.0021	.0008	.0015	.0014	.0112	.0052
%RSD	1.364	1.916	31.51	19.70	65.28	30.94	4.235
#1	.0802	.1067	.0032	.0085	-.0012	.0442	.1186
#2	.0817	.1096	.0020	.0064	-.0032	.0283	.1259
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.1200	.1500					.1800
Low	.0400	.0500					.0600

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010214

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	94.66	.0207	.0095	.1189	.0059	.0132	.1014
SDev	2.28	.0012	.0010	.0017	.0013	.0011	.0019
%RSD	2.413	5.867	11.12	1.456	21.40	8.374	1.845
#1	93.05	.0215	.0102	.1177	.0068	.0140	.1027
#2	96.28	.0198	.0087	.1201	.0050	.0124	.1000
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.1500	.0090	.0150	.1500
Low				.0500	.0030	.0050	.0500

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0205	.0073	.0197	.0220	.2111	.0969	-.0014
SDev	.0001	.0036	.0002	.0036	.0222	.0000	.0019
%RSD	.6126	49.57	.9102	16.33	10.50	.0133	138.7
#1	.0204	.0047	.0196	.0245	.1954	.0969	-.0000
#2	.0206	.0098	.0199	.0195	.2267	.0969	-.0028
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	.0300		.0300	.0300		.1500	
Low	.0100		.0100	.0100		.0500	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0002	.0405	.0844
SDev	.0000	.0000	.0009
%RSD	9.044	.0686	1.081
#1	.0002	.0405	.0837
#2	.0002	.0405	.0850
Errors	NOCHECK	LC Pass	NOCHECK
High		.0600	
Low		.0200	

010215

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	993509	10000	--	--	--	--	--
SDev	23972.33	.0000000	--	--	--	--	--
%RSD	2.412895	.0000000	--	--	--	--	--
#1	976558	10000	--	--	--	--	--
#2	1010460	10000	--	--	--	--	--

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Method: DAILY2 Sample Name: ICSA Operator: 010216
Run Time: 01/31/08 16:30:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	502.5	.0011	-.0147	.0010	.0003	.0090
SDev	.0005	.6	.0015	.0009	.0001	.0001	.0047
%RSD	48.48	.1202	143.1	5.947	7.998	27.88	52.39
#1	-.0006	502.0	-.0000	-.0153	.0011	.0003	.0124
#2	-.0013	502.9	.0022	-.0141	.0010	.0002	.0057
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		600.0					
Low		400.0					

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	459.3	-.0007	-.0008	-.0020	.0007	187.3	-.0105
SDev	.3	.0000	.0006	.0000	.0005	.2	.0332
%RSD	.0600	4.939	81.95	.0380	68.87	.1244	315.0
#1	459.5	-.0007	-.0003	-.0020	.0010	187.5	.0129
#2	459.2	-.0006	-.0012	-.0020	.0004	187.1	-.0340
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	600.0					240.0	
Low	400.0					160.0	

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0007	537.1	.0015	-.0025	.5328	-.0136
SDev	.0006	.0001	.5	.0001	.0028	.3219	.0038
%RSD	358.5	19.99	.0986	4.184	108.9	60.42	27.99
#1	.0006	.0008	536.7	.0015	-.0045	.7604	-.0109
#2	-.0003	.0006	537.5	.0016	-.0006	.3052	-.0163
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High			600.0				
Low			400.0				

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	-.0008	.0393	-.0216	.0087	.0470	-.0120
SDev	.0005	.0028	.0077	.0031	.0060	.0084	.0254
%RSD	169.2	369.4	19.56	14.24	68.99	17.79	212.0
#1	-.0001	-.0027	.0448	-.0238	.0129	.0529	-.0299
#2	.0007	.0012	.0339	-.0194	.0045	.0411	.0060
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010217

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	85.53	.0016	-.0152	.0099	-.0013	-.0096	-.0060
SDev	1.29	.0044	.0117	.0019	.0005	.0063	.0007
%RSD	1.514	275.1	76.53	18.87	41.18	65.49	11.21
#1	84.61	.0048	-.0235	.0086	-.0009	-.0141	-.0065
#2	86.44	-.0015	-.0070	.0113	-.0016	-.0052	-.0055
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	-.0321	-.0007	.0113	-.1005	-.0004	.0015
SDev	.0001	.0037	.0003	.0012	.0327	.0010	.0063
%RSD	.6384	11.64	37.68	10.22	32.52	248.8	411.1
#1	.0083	-.0348	-.0009	.0105	-.0774	-.0011	-.0029
#2	.0082	-.0295	-.0005	.0121	-.1236	.0003	.0060
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0014	.0035	-.0018
SDev	.0001	.0004	.0003
%RSD	4.335	10.44	18.87
#1	-.0015	.0032	-.0015
#2	-.0014	.0038	-.0020
Errors	NOCHECK	NOCHECK	NOCHECK
High			
Low			

010218

IntStd	1	2	3	4	5	6
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	897572	10000	--	--	--	--	--
SDev	13601.20	.0000000	--	--	--	--	--
%RSD	1.515333	.0000000	--	--	--	--	--
#1	887954	10000	--	--	--	--	--
#2	907189	10000	--	--	--	--	--

Method: DAILY2 Sample Name: ICSAB Operator:
Run Time: 01/31/08 16:35:02 010219
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.076	496.0	1.063	1.032	.5211	.4997	.0074
SDev	.001	.0	.003	.003	.0006	.0006	.0036
%RSD	.1039	.0068	.2872	.3173	.1254	.1223	48.42
#1	1.075	496.0	1.065	1.029	.5206	.4993	.0099
#2	1.077	496.1	1.060	1.034	.5215	.5002	.0049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.200	600.0	1.200	1.200	.6000	.6000	
Low	.8000	400.0	.8000	.8000	.4000	.4000	

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	456.6	.9263	.4720	.4815	.5241	185.8	.0130
SDev	.0	.0000	.0006	.0009	.0007	.2	.0025
%RSD	.0021	.0028	.1263	.1914	.1297	.1092	18.90
#1	456.6	.9262	.4716	.4822	.5236	186.0	.0113
#2	456.6	.9263	.4724	.4809	.5246	185.7	.0148
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	1.200	.6000	.6000	.6000	240.0	
Low	400.0	.8000	.4000	.4000	.4000	160.0	

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	1.168	534.2	.4869	1.021	.6135	.0206
SDev	.0006	.003	.1	.0007	.003	.0267	.0014
%RSD	54.58	.2419	.0244	.1457	.2615	4.354	6.941
#1	.0007	1.166	534.2	.4864	1.019	.6324	.0196
#2	.0016	1.170	534.3	.4874	1.023	.5947	.0217
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High		1.200	600.0	.6000	1.200		
Low		.8000	400.0	.4000	.8000		

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9362	1.002	.9944	.9574	.0104	.0522	1.059
SDev	.0006	.014	.0087	.0047	.0007	.0038	.018
%RSD	.0687	1.410	.8784	.4875	6.714	7.276	1.671
#1	.9357	1.012	.9883	.9541	.0099	.0496	1.047
#2	.9366	.9918	1.001	.9607	.0109	.0549	1.072
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.200	1.200					1.200
Low	.8000	.8000					.8000

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

010220

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	84.53	.9829	1.020	1.028	.9698	1.007	.9692
SDev	.00	.0177	.005	.004	.0060	.009	.0021
%RSD	.0035	1.796	.4978	.4152	.6211	.9202	.2129
#1	84.54	.9704	1.016	1.025	.9655	1.001	.9706
#2	84.53	.9954	1.023	1.031	.9740	1.014	.9677
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					1.200	1.200	1.200
Low					.8000	.8000	.8000

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	-.0259	.9634	.9885	.8952	.4858	.0027
SDev	.001	.0030	.0010	.0031	.0394	.0018	.0004
%RSD	.0738	11.49	.1084	.3112	4.400	.3678	15.57
#1	1.028	-.0238	.9627	.9907	.8673	.4846	.0024
#2	1.027	-.0280	.9642	.9863	.9230	.4871	.0030
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK	LC Pass	NOCHECK
High	1.200		1.200	1.200		.6000	
Low	.8000		.8000	.8000		.4000	

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	-.0014	.9255	.8175
SDev	.0001	.0003	.0008
%RSD	7.940	.0286	.0934
#1	-.0013	.9253	.8181
#2	-.0015	.9257	.8170
Errors	NOCHECK	LC Pass	NOCHECK
High		1.200	
Low		.8000	

019221

IntStd	1	2	3	4	5	6	
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	887176	10000	--	--	--	--	--
SDev	15.55635	.0000000	--	--	--	--	--
%RSD	.0017535	.0000000	--	--	--	--	--
#1	887187	10000	--	--	--	--	--
#2	887165	10000	--	--	--	--	--

Method: DAILY2 Sample Name: CCV3 Operator: 010222
Run Time: 01/31/08 16:39:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9910	9.764	5.111	5.047	9.971	1.017	4.872
SDev	.0004	.025	.017	.029	.088	.010	.028
%RSD	.0390	.2546	.3269	.5812	.8857	1.025	.5693
#1	.9913	9.782	5.099	5.027	9.909	1.025	4.852
#2	.9907	9.746	5.123	5.068	10.03	1.010	4.891
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	11.00	5.500	5.500	11.00	1.100	5.500
Low	.9000	9.000	4.500	4.500	9.000	.9000	4.500

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.70	.9971	4.935	1.976	1.964	10.41	18.14
SDev	.18	.0081	.035	.015	.018	.11	.49
%RSD	.9211	.8174	.7148	.7385	.9147	1.041	2.710
#1	19.83	1.003	4.960	1.986	1.952	10.48	L17.80
#2	19.57	.9913	4.910	1.965	1.977	10.33	18.49
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.00	1.100	5.500	2.200	2.200	11.00	22.00
Low	18.00	.9000	4.500	1.800	1.800	9.000	18.00

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.916	4.709	20.13	.9873	5.108	27.85	H43.02
SDev	.046	.088	.19	.0070	.040	.42	.97
%RSD	.9400	1.862	.9480	.7091	.7820	1.491	2.266
#1	4.884	4.647	20.27	.9922	5.136	28.15	H42.33
#2	4.949	4.771	20.00	.9823	5.079	27.56	H43.71
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	5.500	5.500	22.00	1.100	5.500	33.00	33.00
Low	4.500	4.500	18.00	.9000	4.500	27.00	27.00

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.950	4.977	4.941	4.939	.9813	1.012	.9877
SDev	.039	.047	.031	.044	.0003	.011	.0083
%RSD	.7954	.9407	.6297	.8879	.0295	1.136	.8382
#1	4.978	4.944	4.963	4.970	.9815	1.004	.9818
#2	4.922	5.011	4.919	4.908	.9811	1.020	.9935
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	5.500	5.500			1.100	1.100	1.100
Low	4.500	4.500			.9000	.9000	.9000

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	95.52	5.171	5.214	4.937	4.940	5.200	4.742
SDev	3.84	.011	.008	.001	.040	.002	.004
%RSD	4.020	.2078	.1487	.0145	.8017	.0305	.0860
#1	92.80	5.179	5.208	4.936	4.968	5.198	4.748
#2	98.23	5.164	5.219	4.937	4.912	5.201	4.742
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				5.500	5.500	5.500	5.500
Low				4.500	4.500	4.500	4.500

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.902	.9929	4.852	5.173	.9651	4.843	.9560
SDev	.052	.0001	.007	.001	.0249	.019	.0056
%RSD	1.066	.0118	.1349	.0289	2.583	.3840	.5911
#1	4.866	.9928	4.847	5.174	.9827	4.857	.9520
#2	4.939	.9930	4.857	5.172	.9474	4.830	.9600
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500	5.500	1.100	5.500	1.100
Low	4.500	.9000	4.500	4.500	.9000	4.500	.9000

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	5.034	.9900	4.865
SDev	.017	.0137	.018
%RSD	.3412	1.386	.3742
#1	5.022	.9997	4.852
#2	5.046	.9803	4.878
Errors	LC Pass	LC Pass	LC Pass
High	5.500	1.100	5.500
Low	4.500	.9000	4.500

010224

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1002502	10000	--	--	--	--	--
SDev	40281.75	.0000000	--	--	--	--	--
%RSD	4.018124	.0000000	--	--	--	--	--
#1	974018	10000	--	--	--	--	--
#2	1030985	10000	--	--	--	--	--

Method: DAILY2 Sample Name: CCB3 Operator: 010225
Run Time: 01/31/08 16:44:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	-.0001	.0031	.0129	.0031	.0003	.0022
SDev	.0001	.0030	.0007	.0049	.0043	.0004	.0015
%RSD	7.063	2235.	23.96	38.12	141.7	135.0	67.74
#1	-.0009	.0020	.0036	.0163	H.0062	.0006	.0032
#2	-.0009	-.0023	.0025	.0094	-.0000	.0000	.0011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0500	.0050	.0500	.0050	.0050	.0100
Low	-.0050	-.0500	-.0050	-.0500	-.0050	-.0050	-.0100

Elem	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.0002	.0016	-.0001	-.0000	L-.0650	-.0707
SDev	.0080	.0003	.0017	.0017	.0018	.0059	.0022
%RSD	386.9	124.9	105.1	2776.	21820.	9.142	3.051
#1	.0077	.0004	.0028	.0011	.0013	L-.0608	-.0692
#2	-.0036	.0000	.0004	-.0012	-.0013	L-.0692	-.0722
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.0500	.0050	.0050	.0050	.0050	.0500	.1000
Low	-.0500	-.0050	-.0050	-.0050	-.0050	-.0500	-.1000

Elem	La3988	Li6707	Mg2790	Mn2576	Mo2020	Na3302	Na5889
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0011	-.0001	.0003	.0040	L-.6820	-.0258
SDev	.0018	.0015	.0077	.0006	.0038	.0370	.0017
%RSD	462.8	136.3	5210.	198.0	96.41	5.433	6.638
#1	.0017	.0021	.0053	.0007	H.0066	L-.7082	-.0270
#2	-.0009	.0000	-.0056	-.0001	.0013	L-.6558	-.0246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.0050	.0050	.0500	.0050	.0050	.0500	.0500
Low	-.0050	-.0050	-.0500	-.0050	-.0050	-.0500	-.0500

Elem	Ni2316	P_1782	2203/1	2203/2	Pd3404	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0103	.0027	-.0007	L-.0154	.0056	-.0026
SDev	.0035	.0051	.0060	.0033	.0006	.0068	.0078
%RSD	381.2	49.61	219.1	487.1	3.814	121.3	306.7
#1	.0034	.0139	-.0015	.0016	L-.0158	.0105	.0030
#2	-.0015	.0067	.0069	-.0030	L-.0150	.0008	-.0081
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High	.0050	.0200			.0050	.0200	.0100
Low	-.0050	-.0200			-.0050	-.0200	-.0100

Elem	Sc3613	1960/1	1960/2	Si2881	Pb220	Se196	Sn1899

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Units	%R	ppm	ppm	ppm	ppm	ppm	ppm
Avge	99.13	.0080	-.0020	.0047	.0005	.0013	.0015
SDev	1.87	.0046	.0021	.0021	.0002	.0001	.0019
%RSD	1.887	57.83	102.4	45.02	39.62	10.95	129.9
#1	97.81	.0047	-.0006	.0062	.0006	.0012	.0028
#2	100.5	.0112	-.0035	.0032	.0003	.0014	.0001
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				.0100	.0050	.0050	.0050
Low				-.0100	-.0050	-.0050	-.0050

Elem	Sr4215	Th2837	Ti3349	Tl1908	U_4090	V_2924	W_2079
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0009	.0013	.0015	-.0445	.0007	-.0018
SDev	.0020	.0031	.0023	.0009	.0236	.0034	.0018
%RSD	129.9	331.6	171.9	63.34	53.00	503.3	96.00
#1	.0029	.0031	.0029	.0008	-.0612	.0031	-.0006
#2	.0001	-.0012	-.0003	.0021	-.0278	-.0017	-.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0100	.0050	.0100	.1000	.0050	.0100
Low	-.0050	-.0100	-.0050	-.0100	-.1000	-.0050	-.0100

Elem	Y_3710	Zn2062	Zr3496
Units	ppm	ppm	ppm
Avge	.0014	.0001	.0008
SDev	.0024	.0003	.0033
%RSD	166.7	620.0	433.9
#1	.0031	.0003	.0031
#2	-.0003	-.0002	-.0016
Errors	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050
Low	-.0050	-.0050	-.0050

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IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Sc	--	--	--	--	--	--
Wavlen	361.384	--	--	--	--	--	--
Avge	1040482	10000	--	--	--	--	--
SDev	19675.25	.0000000	--	--	--	--	--
%RSD	1.890973	.0000000	--	--	--	--	--
#1	1026570	10000	--	--	--	--	--
#2	1054395	10000	--	--	--	--	--

SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 080114-6
SRR: 31907
SDG: 316507
CASE: CNWRA
VTSR: January 10, 2008
PROJECT#: 14002.01.171

Other Data

Southwest Research Institute (Division 01 QA)

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Content Check List for Nuclear Safety Related Projects

The contents of this file may include the documentation (or only those applicable) listed below:

✓ Final Report

✓ Task Orders/QPP-015

na Purchase Order/Contract Agreement

na Telephone Conversations

✓ COC/Log-in Paperwork/Labels, Tags, etc.)

✓ Copies of Log-in Book Showing Samples

✓ Copies of Methods (If applicable)

Copies of Logbook Instruments Logs including;

- ✓ 1) Calibration data on instruments
- na 2) Reagent Preparation
- NA 3) Standard Preparation
- ✓ 4) Sample Calculations
- na 5) Calculated QC samples

NA Any Log-in Non Conformance Sheets

NA Certificates of Analysis for Standards

If applicable:

- NA Thermometer Calibrations
- na Pipette Calibrations
- na Balance Calibrations
- NA DI Water Verification

NA Surveillance Reports from Division 30

I certify that all applicable documents listed above are included in this file as a part of the documentation required by all Nuclear Safety Related protocol.

QA Review Michele Villetti Date 2/24/03

TO: 080114-6