Appendix D
Analytical Reports

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

December 09, 2008

Report to:
Emily Hoe
Scientific Applications Int'l Corp.
1000 Broadway Suite 675
Oakland, CA 94607

Bill to:
Emily Hoe
Scientific Applications Int'l Corp.
1000 Broadway Suite 675
Oakland, CA 94607

Project ID: 06-5026-34-6376-000
ACZ Project ID: L72872

Emily Hoe:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on November 05, 2008. This project has been assigned to ACZ's project number, L72872. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L72872. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after January 09, 2009. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than $10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber

Sue Webber has reviewed and approved this report.

Scientific Applications Int'l Corp.

December 09, 2008

Project ID: 06-5026-34-6376-000
ACZ Project ID: L72872

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 15 soil samples from Scientific Applications Int'l Corp. on November 5, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L72872. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following anomaly required further explanation not provided by the Extended Qualifier Report:

1. For Total Uranium CCB2 value flagged with an "E6" in the QC Summary, one of the internal standards was out of control limits. No further action was taken since the CCB was non-detect.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-01-0.5

ACZ Sample ID: ***L72872-01***
Date Sampled: *10/28/08 08:22*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	0.62		*	mg/Kg	0.05	0.3	11/14/08 0:17	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.9		*	%	0.1	0.5	11/06/08 8:26	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 8:41	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 10:18	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 2:41	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-03-0.5

ACZ Sample ID: ***L72872-02***
Date Sampled: *10/28/08 08:45*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	56.90		*	mg/Kg	0.05	0.3	11/14/08 0:23	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	87.5		*	%	0.1	0.5	11/06/08 11:18	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 8:47	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 11:36	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 4:47	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-05-0.5

ACZ Sample ID: ***L72872-03***
Date Sampled: *10/28/08 09:06*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	0.44		*	mg/Kg	0.05	0.3	11/14/08 0:25	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.3		*	%	0.1	0.5	11/06/08 12:45	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 8:52	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 12:02	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 6:52	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-09-0.5

ACZ Sample ID: ***L72872-04***
Date Sampled: *10/28/08 09:45*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	0.57		*	mg/Kg	0.05	0.3	11/14/08 0:27	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.0		*	%	0.1	0.5	11/06/08 14:11	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 8:58	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 12:28	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 8:58	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-10-0.5

ACZ Sample ID: ***L72872-05***
Date Sampled: *10/28/08 09:53*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	1.20		*	mg/Kg	0.05	0.3	11/14/08 0:33	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	95.6		*	%	0.1	0.5	11/06/08 15:37	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:03	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 12:54	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 11:03	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-11-0.5

ACZ Sample ID: ***L72872-06***
Date Sampled: *10/28/08 10:11*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	8.92		*	mg/Kg	0.05	0.3	11/14/08 0:37	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.0		*	%	0.1	0.5	11/06/08 17:03	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:09	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 13:20	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 13:09	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-19-0.5

ACZ Sample ID: ***L72872-07***
Date Sampled: *10/28/08 13:06*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	0.41		*	mg/Kg	0.05	0.3	11/14/08 0:39	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	94.9		*	%	0.1	0.5	11/06/08 18:30	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:15	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 13:46	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 15:15	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-21-0.5

ACZ Sample ID: ***L72872-08***
Date Sampled: *10/28/08 13:29*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	0.32		*	mg/Kg	0.05	0.3	11/14/08 0:41	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.0		*	%	0.1	0.5	11/06/08 19:56	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:20	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 14:12	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 17:20	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-22-0.5

ACZ Sample ID: ***L72872-09***
Date Sampled: *10/28/08 13:39*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	2.02		*	mg/Kg	0.05	0.3	11/14/08 0:43	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.6		*	%	0.1	0.5	11/06/08 21:22	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:26	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 14:38	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 19:26	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-23-0.5

ACZ Sample ID: ***L72872-10***
Date Sampled: *10/28/08 13:52*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	1.47		*	mg/Kg	0.05	0.3	11/14/08 0:45	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.7		*	%	0.1	0.5	11/06/08 22:48	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:32	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 15:04	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 21:32	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-29-0.5

ACZ Sample ID: ***L72872-11***
Date Sampled: *10/28/08 15:22*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	1.53		*	mg/Kg	0.05	0.3	11/14/08 0:47	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	92.2		*	%	0.1	0.5	11/07/08 0:15	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:37	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 15:30	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/09/08 23:37	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-31-0.5

ACZ Sample ID: ***L72872-12***
Date Sampled: *10/28/08 16:01*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	1.61		*	mg/Kg	0.05	0.3	11/14/08 0:49	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	90.9		*	%	0.1	0.5	11/07/08 1:41	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:43	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 15:56	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/10/08 1:43	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-32-0.5

ACZ Sample ID: ***L72872-13***
Date Sampled: *10/28/08 16:12*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	5.72		*	mg/Kg	0.05	0.3	11/14/08 0:51	erf

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	91.6		*	%	0.1	0.5	11/07/08 3:07	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:49	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 16:22	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/10/08 3:49	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-33-0.5

ACZ Sample ID: ***L72872-14***
Date Sampled: *10/28/08 16:26*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	0.27	B	*	mg/Kg	0.05	0.3	11/19/08 15:06	rac

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	96.7		*	%	0.1	0.5	11/07/08 4:33	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 9:54	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 16:48	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/10/08 5:54	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-38-0.5

ACZ Sample ID: ***L72872-15***
Date Sampled: *10/28/08 17:32*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total (3050)	M6020 ICP-MS	35.50		*	mg/Kg	0.05	0.3	11/19/08 15:10	rac

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	97.2		*	%	0.1	0.5	11/07/08 6:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							11/06/08 10:00	bjl
Digestion - Hot Plate	M3050B ICP-MS							11/11/08 17:14	mjc
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							11/10/08 8:00	bjl

** Please refer to Qualifier Reports for details.*

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

Project ID: 06-5026-34-6376-000

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG255226													
WG255226PBS	PBS	11/06/08 7:00				U	%		99.9	100.1			
L72872-01DUP	DUP	11/06/08 9:52			95.9	95.19	%				0.7	20	

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG255652													
WG255652ICV	ICV	11/14/08 0:00	MS081101-2	.05		.05266	mg/L	105.3	90	110			
WG255652ICB	ICB	11/14/08 0:02				U	mg/L		-0.0003	0.0003			
WG255652ICSA	ICSA	11/14/08 0:04		.0002		.0002	mg/L		-0.0005	0.0005			
WG255652ICSAB	ICSAB	11/14/08 0:06	MS081003-9	.02		.01822	mg/L	91.1	80	120			
WG255445PBS	PBS	11/14/08 0:10				U	mg/Kg		-0.15	0.15			
L72872-01MS	MS	11/14/08 0:19	MS081013-3	12.625	.62	11.893	mg/Kg	89.3	75	125			
L72872-01MSD	MSD	11/14/08 0:21	MS081013-3	12.625	.62	12.155	mg/Kg	91.4	75	125	2.18	20	
WG255652CCV1	CCV	11/14/08 0:29	MS081101-2	.05		.04991	mg/L	99.8	90	110			
WG255652CCB1	CCB	11/14/08 0:31				U	mg/L		-0.0003	0.0003			
L72872-05SDL	SDL	11/14/08 0:35			1.2	1.2	mg/Kg				0	10	
WG255652CCV2	CCV	11/14/08 0:53	MS081101-2	.05		.0505	mg/L	101	90	110			
WG255652CCB2	CCB	11/14/08 0:55				U	mg/L		-0.0003	0.0003			E6
WG256006													
WG256006ICV	ICV	11/19/08 14:26	MS081101-2	.05		.04762	mg/L	95.2	90	110			
WG256006ICB	ICB	11/19/08 14:30				U	mg/L		-0.0003	0.0003			
WG256006ICSA	ICSA	11/19/08 14:35				U	mg/L		-0.0005	0.0005			
WG256006ICSAB	ICSAB	11/19/08 14:39	MS081120-2	.02		.01962	mg/L	98.1	80	120			
WG255445PBS	PBS	11/19/08 14:48				U	mg/Kg		-0.15	0.15			
L72872-01MS	MS	11/19/08 14:57	MS081013-3	12.625	.7	12.615	mg/Kg	94.4	75	125			
L72872-01MSD	MSD	11/19/08 15:01	MS081013-3	12.625	.7	13.09	mg/Kg	98.1	75	125	3.7	20	
L72872-15SDL	SDL	11/19/08 15:14			35.5	31.85	mg/Kg				10.3	10	ZH
WG256006CCV	CCV	11/19/08 15:19	MS081101-2	.05		.0475	mg/L	95	90	110			
WG256006CCB	CCB	11/19/08 15:23				U	mg/L		-0.0003	0.0003			
WG256006CCV1	CCV	11/19/08 15:27	MS081101-2	.05		.04704	mg/L	94.1	90	110			
WG256006CCB1	CCB	11/19/08 15:32				U	mg/L		-0.0003	0.0003			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72872-14	WG256006	Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
L72872-15	WG256006	Uranium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-01-0.5
Locator:

ACZ Sample ID: ***L72872-01***
Date Sampled: *10/28/08 8:22*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 16:54		3.9	0.99	0.44	pCi/g	*	bjl
Gross Beta	11/26/08 16:54		3.6	0.94	1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:33		0.49	0.35	0.9	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:05		3.4	1.4	3.2	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:17		0.3	0.3	0.22	pCi/g	*	skg
Thorium 230	12/02/08 22:17		0.5	0.42	0.57	pCi/g	*	skg
Thorium 232	12/02/08 22:17		0.25	0.35	0.22	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-03-0.5
Locator:

ACZ Sample ID: ***L72872-02***
Date Sampled: *10/28/08 8:45*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 16:55		60	4.2	0.56	pCi/g	*	bjl
Gross Beta	11/26/08 16:55		50	2.4	1.1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:35		38	2.2	1.1	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:07		3	1.4	3.1	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:19		0.94	0.43	0.24	pCi/g	*	skg
Thorium 230	12/02/08 22:19		20	1.6	0.61	pCi/g	*	skg
Thorium 232	12/02/08 22:19		0.84	0.46	0.24	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-05-0.5
Locator:

ACZ Sample ID: ***L72872-03***
Date Sampled: *10/28/08 9:06*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 16:57		4.3	1.2	0.5	pCi/g	*	bjl
Gross Beta	11/26/08 16:57		4	0.91	1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:36		0.58	0.36	0.94	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:08		3.7	1.4	3.1	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:20		0.34	0.32	0.23	pCi/g	*	skg
Thorium 230	12/02/08 22:20		0.21	0.4	0.59	pCi/g	*	skg
Thorium 232	12/02/08 22:20		0.39	0.39	0.23	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-09-0.5
Locator:

ACZ Sample ID: ***L72872-04***
Date Sampled: *10/28/08 9:45*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 16:58		4.5	1.1	0.45	pCi/g	*	bjl
Gross Beta	11/26/08 16:58		2.8	0.86	0.98	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:38		0.4	0.35	0.95	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:10		3.4	1.3	3.1	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:22		0.14	0.3	0.24	pCi/g	*	skg
Thorium 230	12/02/08 22:22		0.33	0.44	0.62	pCi/g	*	skg
Thorium 232	12/02/08 22:22		0.14	0.37	0.24	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-10-0.5
Locator:

ACZ Sample ID: ***L72872-05***
Date Sampled: *10/28/08 9:53*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:00		9.5	1.6	0.49	pCi/g	*	bjl
Gross Beta	11/26/08 17:00		6.6	1.1	0.96	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:39		1.1	0.43	0.92	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:11		2.2	1.3	3.2	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:23		0.08	0.3	0.25	pCi/g	*	skg
Thorium 230	12/02/08 22:23		0.54	0.48	0.65	pCi/g	*	skg
Thorium 232	12/02/08 22:23		0.37	0.42	0.25	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-11-0.5
Locator:

ACZ Sample ID: ***L72872-06***
Date Sampled: *10/28/08 10:11*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:01		23	2.7	0.6	pCi/g	*	bjl
Gross Beta	11/26/08 17:01		15	1.4	1.1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:41		6.1	0.84	0.92	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:12		9.5	1.8	3.1	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:25		0.51	0.34	0.21	pCi/g	*	skg
Thorium 230	12/02/08 22:25		3.5	0.71	0.56	pCi/g	*	skg
Thorium 232	12/02/08 22:25		0.66	0.41	0.21	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-19-0.5
Locator:

ACZ Sample ID: ***L72872-07***
Date Sampled: *10/28/08 13:06*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:02		5.1	1.3	0.51	pCi/g	*	bjl
Gross Beta	11/26/08 17:02		4.1	0.9	1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:42		0.67	0.43	1.1	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:14		29	2.7	3.1	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:26		0.31	0.29	0.21	pCi/g	*	skg
Thorium 230	12/02/08 22:26		0.33	0.38	0.54	pCi/g	*	skg
Thorium 232	12/02/08 22:26		0.45	0.37	0.21	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-21-0.5
Locator:

ACZ Sample ID: ***L72872-08***
Date Sampled: *10/28/08 13:29*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:04		3.6	1.1	0.52	pCi/g	*	bjl
Gross Beta	11/26/08 17:04		3.3	0.85	0.99	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:43		0.79	0.4	0.99	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:15		3.2	1.3	3	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:27		0.34	0.32	0.23	pCi/g	*	skg
Thorium 230	12/02/08 22:27		0.78	0.47	0.59	pCi/g	*	skg
Thorium 232	12/02/08 22:27		0.44	0.4	0.23	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-22-0.5
Locator:

ACZ Sample ID: ***L72872-09***
Date Sampled: *10/28/08 13:39*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:05		14	1.9	0.5	pCi/g	*	bjl
Gross Beta	11/26/08 17:05		6	1.1	1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:45		7.9	1	1	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:17		6.7	1.5	3	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:29		0.42	0.43	0.31	pCi/g	*	skg
Thorium 230	12/02/08 22:29		6.3	1.1	0.81	pCi/g	*	skg
Thorium 232	12/02/08 22:29		0.35	0.5	0.31	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-23-0.5
Locator:

ACZ Sample ID: ***L72872-10***
Date Sampled: *10/28/08 13:52*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:07		5.3	1.2	0.44	pCi/g	*	bjl
Gross Beta	11/26/08 17:07		3.8	0.95	0.97	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:46		1.8	0.56	1.1	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:18		6.3	1.6	3.1	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:30		0.3	0.33	0.24	pCi/g	*	skg
Thorium 230	12/02/08 22:30		0.82	0.5	0.62	pCi/g	*	skg
Thorium 232	12/02/08 22:30		0.24	0.38	0.24	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-29-0.5
Locator:

ACZ Sample ID: ***L72872-11***
Date Sampled: *10/28/08 15:22*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:08		9.5	1.8	0.56	pCi/g	*	bjl
Gross Beta	11/26/08 17:08		7	1.1	1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:48		1.5	0.48	0.9	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:20		5.2	1.5	3	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:32		0.54	0.37	0.24	pCi/g	*	skg
Thorium 230	12/02/08 22:32		1	0.52	0.62	pCi/g	*	skg
Thorium 232	12/02/08 22:32		0.54	0.43	0.24	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-31-0.5
Locator:

ACZ Sample ID: ***L72872-12***
Date Sampled: *10/28/08 16:01*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:10		5.1	1.3	0.54	pCi/g	*	bjl
Gross Beta	11/26/08 17:10		7.2	1.2	1.1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:49		1.7	0.54	1.1	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:21		6.2	1.4	3	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:33		0.49	0.37	0.25	pCi/g	*	skg
Thorium 230	12/02/08 22:33		1.1	0.55	0.65	pCi/g	*	skg
Thorium 232	12/02/08 22:33		0.77	0.48	0.25	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-32-0.5
Locator:

ACZ Sample ID: ***L72872-13***
Date Sampled: *10/28/08 16:12*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:11		17	2.3	0.58	pCi/g	*	bjl
Gross Beta	11/26/08 17:11		10	1.3	1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:51		4.6	0.66	0.76	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:23		5.1	1.4	3	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:35		1.1	0.46	0.24	pCi/g	*	skg
Thorium 230	12/02/08 22:35		1.9	0.62	0.63	pCi/g	*	skg
Thorium 232	12/02/08 22:35		0.69	0.45	0.24	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-33-0.5
Locator:

ACZ Sample ID: ***L72872-14***
Date Sampled: *10/28/08 16:26*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:13		7	1.4	0.49	pCi/g	*	bjl
Gross Beta	11/26/08 17:13		6.2	1	1	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:52		0.28	0.3	0.85	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:24		7.1	1.4	3	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:36		0.27	0.35	0.26	pCi/g	*	skg
Thorium 230	12/02/08 22:36		0.18	0.45	0.68	pCi/g	*	skg
Thorium 232	12/02/08 22:36		0.21	0.41	0.26	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Scientific Applications Int'l Corp.
Project ID: 06-5026-34-6376-000
Sample ID: GWS-38-0.5
Locator:

ACZ Sample ID: ***L72872-15***
Date Sampled: *10/28/08 17:32*
Date Received: *11/05/08*
Sample Matrix: *Soil*

Gross Alpha & Beta (3050) Prep Method:
M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	11/26/08 17:14		120	5.3	0.45	pCi/g	*	bjl
Gross Beta	11/26/08 17:14		53	2.3	0.99	pCi/g	*	bjl

Radium 226 + Alpha Emitting Radium Isotopes (3050) Prep Method:
M9315

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226 + Alpha	12/01/08 16:54		32	1.7	0.78	pCi/g		skg

Radium 228 (3050) Prep Method:
M9320

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228 (3050)	12/06/08 0:25		1.8	1.2	3	pCi/g		mwm

Thorium, Isotopic (3050) Prep Method:
ESM 4506

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Thorium 228	12/02/08 22:38		0.27	0.3	0.22	pCi/g	*	skg
Thorium 230	12/02/08 22:38		33	1.9	0.57	pCi/g	*	skg
Thorium 232	12/02/08 22:38		0.27	0.36	0.22	pCi/g	*	skg

** Please refer to Qualifier Reports for details.*

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

Project ID: 06-5026-34-6376-000

Alpha M9310 pCi/g

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG256518																
WG256359PBS	PBS	11/26/08						.04	0.23	0.24			0.48			
WG256359LCSS	LCSS	11/26/08	RC071024-1	16.21				13	1.3	0.23	80.2	52	129			
L72872-01DUP	DUP-RER	11/26/08			3.9	0.99	0.44	78	4.4	0.47				16.43	2	RC
L72872-15DUP	DUP-RER	11/26/08			120	5.3	0.45	5	1.1	0.46				21.25	2	RC
L72872-02MS	MS	11/26/08	RC071024-1	20.78	60	4.2	0.56	9.4	1.7	0.56	-243.5	52	129			M2

Beta M9310 pCi/g

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG256518																
WG256359PBS	PBS	11/26/08						.11	0.55	0.76			1.52			
WG256359LCSS	LCSS	11/26/08	PCN28728	20				17	1.2	0.74	85	65	104			
L72872-01DUP	DUP-RER	11/26/08			3.6	0.94	1	54	2.3	0.98				20.28	2	RC
L72872-15DUP	DUP-RER	11/26/08			53	2.3	0.99	29	1.8	1				8.22	2	RC
L72872-14MS	MS	11/26/08	PCN28727	25	6.2	1	1	60	2.4	0.99	215.2	65	104			M1

Radium 226 + Alpha Emitting Radium M9315 pCi/g

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG256602																
WG255677PBS	PBS	12/01/08						0	0.32	1.1			2.2			
WG255677LCSS	LCSS	12/01/08	RC081008-1	47.83				53	2.5	1	110.8	74	132			
L72872-01DUP	DUP-RER	12/01/08			0.49	0.35	0.9	.67	0.35	0.82				0.36	2	
L72872-15DUP	DUP-RER	12/01/08			32	1.7	0.78	31	1.9	1				0.39	2	
L72872-02MS	MS	12/01/08	RC081008-1	48.81	38	2.2	1.1	84	3.2	1.1	94.3	74	132			

Radium 228 (3050) M9320 pCi/g

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG256910																
WG256347PBS	PBS	12/06/08						3.2	1.4	3.2			6.4			
WG255677PBS	PBS	12/06/08						3.9	1.4	3.2			6.4			
WG256592LCSS	LCSS	12/06/08	RC080402-1	30.55				23	2.2	3.2	75.3	49	132			
L72872-01DUP	DUP-RER	12/06/08			3.4	1.4	3.2	1.6	1.1	3				1.01	2	
L72872-15DUP	DUP-RER	12/06/08			1.8	1.2	3	1.9	1.2	3				0.06	2	
L72872-02MS	MS	12/06/08	RC080402-1	31.17	3	1.4	3.1	19	2.2	3.1	51.3	49	132			

Thorium 228 ESM 4506 pCi/g

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG256856																
WG255677PBS	PBS	12/02/08						.05	0.25	0.21			0.42			
L72872-01DUP	DUP-RER	12/02/08			0.3	0.3	0.22	.19	0.18	0.13				0.31	2	
L72872-15DUP	DUP-RER	12/02/08			0.27	0.3	0.22	.23	0.33	0.25				0.09	2	

Scientific Applications Int'l Corp.

ACZ Project ID: ***L72872***

Project ID: 06-5026-34-6376-000

Thorium 230 ESM 4506 pCi/g

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG256856																
WG255677PBS	PBS	12/02/08						-.02	0.34	0.55			1.1			
WG255677LCSS	LCSS	12/02/08	RC080917-3	162.12				170	4.1	0.52	104.9	87	119			
L72872-01DUP	DUP-RER	12/02/08			0.5	0.42	0.57	15	1	0.33				13.37	2	RC
L72872-15DUP	DUP-RER	12/02/08			33	1.9	0.57	.2	0.44	0.65				16.82	2	RC
L72872-02MS	MS	12/02/08	RC080917-3	165.43	20	1.6	0.61	93	2.5	0.35	44.1	87	119			M2

Thorium 232 ESM 4506 pCi/g

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG256856																
WG255677PBS	PBS	12/02/08						-.02	0.3	0.21			0.42			
L72872-01DUP	DUP-RER	12/02/08			0.25	0.35	0.22	.25	0.22	0.13				0	2	
L72872-15DUP	DUP-RER	12/02/08			0.27	0.36	0.22	.43	0.43	0.25				0.29	2	

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72872-01	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-02	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-03	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72872-04	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-05	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-06	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72872-07	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-08	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-09	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72872-10	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-11	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-12	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L72872-13	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-14	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L72872-15	WG256518	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Gross Beta	M9310	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M9310	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
	WG256856	Thorium 228	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Thorium 230	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			ESM 4506	RC	For a solid matrix, the matrix duplicate precision assessment (RPD or RER) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
		Thorium 232	ESM 4506	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Scientific Applications Int'l Corp. ACZ Project ID: ***L72872***

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Uranium, total (3050)	M6020 ICP-MS

Radiochemistry

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Thorium, Isotopic (3050)	ESM 4506

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Solids, Percent	CLPSOW390, PART F, D-98

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Scientific Applications Int'l Corp.
06-5026-34-6376-000

ACZ Project ID:	L72872
Date Received:	11/5/2008
Received By:	
Date Printed:	11/5/2008

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Is the trip blank for Cyanide present?			X
12) Is the trip blank for VOA present?			X
13) Are samples requiring no headspace, headspace free?			X
14) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
1947	16.5	19
1975	16.3	15

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Scientific Applications Int'l Corp.
06-5026-34-6376-000

ACZ Project ID: L72872
Date Received: 11/5/2008
Received By:

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y< 2	YG< 2	B< 2	O < 2	T >12	N/A	RAD	ID
L72872-01	GWS-01-0.5									X		
L72872-02	GWS-03-0.5									X		
L72872-03	GWS-05-0.5									X		
L72872-04	GWS-09-0.5									X		
L72872-05	GWS-10-0.5									X		
L72872-06	GWS-11-0.5									X		
L72872-07	GWS-19-0.5									X		
L72872-08	GWS-21-0.5									X		
L72872-09	GWS-22-0.5									X		
L72872-10	GWS-23-0.5									X		
L72872-11	GWS-29-0.5									X		
L72872-12	GWS-31-0.5									X		
L72872-13	GWS-32-0.5									X		
L72872-14	GWS-33-0.5									X		
L72872-15	GWS-38-0.5									X		

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: _____

ACZ Laboratories, Inc. L72872

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Emily Hoe
Company: SAIC
E-mail: hoee@saic.com
Address: 1000 Broadway Suite 675
Oakland, CA 94607
Telephone: 510-466-7166

Copy of Report to:

Name:
Company:
E-mail:
Telephone:

Invoice to:

Name: Shari Simon
Company: SAIC
E-mail: simons@saic.com
Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

YES [ ]
NO [X]

PROJECT INFORMATION

Quote #: SANM-RAD-08
Project/PO #: 06-5026-34-6376-000
Reporting state for compliance testing: NM
Sampler's Name: T. Murray
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Gamma emitting radionuclides gamma spec EPA method 901.1	Radium 226/228 alpha spec by EPA method 9315	Radium 228 by EPA Method 9320	Thorium 229, 230, 232 alpha spec NASLOE 3004 Esn 4506 TEPO Extract	Uranium by EPA Method 6020	Hold		
GWS-01-0.5'	10/28/08 0822	SO	1						X		
GWS-02-0.5'	10/28/08 0830	SO	1						X		
GWS-03-0.5'	10/28/08 0845	SO	1						X		
GWS-04-0.5'	10/28/08 0854	SO	1						X		
GWS-05-0.5'	10/28/08 0906	SO	1						X		
GWS-06-0.5'	10/28/08 0915	SO	1						X		
GWS-07-0.5'	10/28/08 0924	SO	1						X		
GWS-08-0.5'	10/28/08 0934	SO	1						X		
GWS-09-0.5'	10/28/08 0945	SO	1						X		
GWS-10-0.5'	10/28/08 0953	SO	1						X		

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other

REMARKS/ SAMPLE DISCLOSURES

Additional instructions will be sent by 10/31/08.

PAGE 1 of 4

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Terry Murray	10/29/08 1330	Shipped via FedEx	
		MS	10-30-08 10:15

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records

ACZ Laboratories, Inc. L72072

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Emily Hoe
Company: SAIC
E-mail: hoee@saic.com
Address: 1000 Broadway Suite 675
Oakland, CA 94607
Telephone: 510-466-7166

Copy of Report to:

Name:
Company:
E-mail:
Telephone:

Invoice to:

Name: Shari Simon
Company: SAIC
E-mail: simons@saic.com
Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [X]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

Quote #: SAUM-RAD-08
Project/PO #: 06-5026-34-6376-000
Reporting state for compliance testing: NM
Sampler's Name: T. Murray
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Gamma emitting radionuclides gamma spec EPA method 901.1	Radium 226/228 alpha spec EPA Method 9315	Radium 228 EPA Method 9320	Thorium 228,230,232 alpha spec NASLOE 3rd ESM 4500 TOPO Extract	Uranium EPA Method 6020	Hold		
GWS-11-0.5'	10/28/08 1011	SO	1						X		
GWS-12-0.5'	10/28/08 1023	SO	1						X		
GWS-13-0.5'	10/28/08 1034	SO	1						X		
GWS-14-0.5'	10/28/08 1043	SO	1						X		
GWS-15-0.5'	10/28/08 1054	SO	1						X		
GWS-16-0.5'	10/28/08 1107	SO	1						X		
GWS-17-0.5'	10/28/08 1239	SO	1						X		
GWS-18-0.5'	10/28/08 1253	SO	1						X		
GWS-19-0.5'	10/28/08 1306	SO	1						X		
GWS-20-0.5'	10/28/08 1320	SO	1						X		

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other

REMARKS/ SAMPLE DISCLOSURES

Additional instructions will be sent by 10/31/08.

PAGE 2 of 4

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Tammy Murray	10/29/08 1330	Shipped via FedEx	
		MS	10-30-08
			10:15

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc. L72897L

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Emily Hoe
Company: SAIC
E-mail: hoee@saic.com
Address: 1990 Broadway Suite 675
Oakland, CA 94607
Telephone: 510-466-7166

Copy of Report to:

Name:
Company:
E-mail:
Telephone:

Invoice to:

Name: Shari Simon
Company: SAIC
E-mail: simonss@saic.com
Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

YES [ ]
NO [X]

PROJECT INFORMATION

Quote #: SANM-RAD-08
Project/PO #: 06-5026-34-6376-000
Reporting state for compliance testing: NM
Sampler's Name: T. Murray
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Gamma emitting radionuclides gamma spec EPA Method 901.1	Radium 226/228 alpha spec EPA Method 9315	Radium 228 EPA Method 9320	Thorium 228, 230, 232 alpha spec NAS/DOE 3004 ESM 4506 TRD Extract	Uranium EPA Method 6020	Hold		
GWS-21-0.5'	10/28/08 1329	SO	1						X		
GWS-22-0.5'	10/28/08 1339	SO	1						X		
GWS-23-0.5'	10/28/08 1352	SO	1						X		
GWS-24-0.5'	10/28/08 1402	SO	1						X		
GWS-25-0.5'	10/28/08 1425	SO	1						X		
GWS-26-0.5'	10/28/08 1434	SO	1						X		
GWS-27-0.5'	10/28/08 1447	SO	1						X		
GWS-28-0.5'	10/28/08 1458	SO	1						X		
GWS-29-0.5'	10/28/08 1522	SO	1						X		
GWS-30-0.5'	10/28/08 1543	SO	1						X		

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other

REMARKS/ SAMPLE DISCLOSURES

Additional instructions will be sent by 10/31/08.

PAGE 3 of 4

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Tony Murray	10/29/08 1330	Shipped via FedEx	
		MSS	10.30.08 10:15

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc. L72897

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Emily Hoe
Company: SAIC
E-mail: hoee@saic.com
Address: 1000 Broadway Suite 675 Oakland, CA 94607
Telephone: 510-466-7160

Copy of Report to:

Name:
Company:
E-mail:
Telephone:

Invoice to:

Name: Shari Simon
Company: SAIC
E-mail: simons@saic.com
Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [X]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

PROJECT INFORMATION

Quote #: SANM-RAD-08
Project/PO #: 06-5026-34-6376-000
Reporting state for compliance testing: NM
Sampler's Name: T. Murray
Are any samples NRC licensable material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	gamma emitting radionuclides gamma spec EPA Method 901.1	Radium 226/228 alpha Spec EPA Method 9315	Radium 228 EPA Method 9320	Thorium 228, 230, 232 alpha Spec NAS/DOE 3004 ESM 4506 TOPO Extract	Uranium EPA Method 6020	Hold		
GWS-31-0.5'	10/28/08 1601	SO	1						X		
GWS-32-0.5'	10/28/08 1612	SO	1						X		
GWS-33-0.5'	10/28/08 1626	SO	1						X		
GWS-34-0.5'	10/28/08 1642	SO	1						X		
GWS-35-0.5'	10/28/08 1700	SO	1						X		
GWS-36-0.5'	10/28/08 1710	SO	1						X		
GWS-37-0.5'	10/28/08 1721	SO	1						X		
GWS-38-0.5'	10/28/08 1732	SO	1						X		
GWS-39-0.5'	10/28/08 1745	SO	1						X		
	~~10/28/08~~ jtm 10/28/08										

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other

REMARKS/ SAMPLE DISCLOSURES

Additional instructions will be sent by 10/31/08.

PAGE 4 of 4

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Tony Murray	10/29/08 1330	Shipped via FedEx	
		MSS	10-30-08 10:15

FRMAD050.03.05.02 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

February 08, 2008

Report to:
Emily Hoe
Scientific Applications Int'l Corp.
1000 Broadway Suite 675
Oakland, CA 94607

cc: Nick Kidd

Bill to:
Emily Hoe
Scientific Applications Int'l Corp.
1000 Broadway Suite 675
Oakland, CA 94607

Project ID:
ACZ Project ID: L67184

Emily Hoe:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 11, 2008. This project has been assigned to ACZ's project number, L67184. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L67184. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 08, 2008. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than $10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber

Sue Webber has reviewed and approved this report.

Scientific Applications Int'l Corp. February 08, 2008

Project ID:
ACZ Project ID: L67184

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 10 soil samples from Scientific Applications Int'l Corp. on January 11, 2008. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L67184. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following anomalies required further explanation not provided by the Extended Qualifier Report:

1. For the Alpha emitting Radium Isotopes value on L67184-06 flagged with an "N1", the residual density was high because the matrix would not allow the solid to be separated from the solution.

2. For the Total Barium ICSA recovery flagged with an "N1" in the QC Summary, barium was detected in the ICSA. The data was flagged and accepted since the values in the samples was at least 10 times higher than the value detected in the ICSA.

3. For the Total Cobalt ICSA recovery flagged with an "N1" in the QC Summary, barium was detected in the ICSA. The data was flagged and accepted since the values in the samples was at least 10 times higher than the value detected in the ICSA.

4. For Total Metal values flagged with an "E6" in the QC Summary, at least one of the internal standards was out of control limits. The data was flagged and accepted since the actual QC samples recoveries were within control limits.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-LP3-010908

ACZ Sample ID: ***L67184-01***
Date Sampled: *01/09/08 10:15*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.137		*	mg/L	0.001	0.005	01/29/08 3:43	gme
Aluminum, total (3050)	M6020 ICP-MS	8320		*	mg/Kg	50	300	01/31/08 2:03	gme
Antimony (1312)	M6020 ICP-MS		U	*	mg/L	0.0004	0.002	01/29/08 3:43	gme
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	01/24/08 19:27	msh
Arsenic (1312)	M6020 ICP-MS	0.0053			mg/L	0.0005	0.001	01/29/08 3:43	gme
Arsenic, total (3050)	M6020 ICP-MS	5.0			mg/Kg	0.3	0.5	01/24/08 19:27	msh
Barium (1312)	M6020 ICP-MS	0.0472			mg/L	0.0001	0.0005	01/29/08 3:43	gme
Barium, total (3050)	M6020 ICP-MS	933		*	mg/Kg	1	5	01/29/08 10:57	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 3:43	gme
Beryllium, total (3050)	M6020 ICP-MS	0.53		*	mg/Kg	0.05	0.3	01/24/08 19:27	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 3:43	gme
Cadmium, total (3050)	M6020 ICP-MS	0.37			mg/Kg	0.05	0.3	01/24/08 19:27	msh
Chromium (1312)	M6020 ICP-MS	0.0012		*	mg/L	0.0001	0.0005	01/29/08 3:43	gme
Chromium, total (3050)	M6020 ICP-MS	3.80			mg/Kg	0.05	0.3	01/24/08 19:27	msh
Cobalt (1312)	M6020 ICP-MS	0.00007	B	*	mg/L	5E-05	0.0003	01/29/08 3:43	gme
Cobalt, total (3050)	M6020 ICP-MS	2.24		*	mg/Kg	0.03	0.1	01/24/08 19:27	msh
Copper (1312)	M6020 ICP-MS	0.0023	B	*	mg/L	0.0005	0.003	01/29/08 3:43	gme
Copper, total (3050)	M6020 ICP-MS	4.6			mg/Kg	0.3	1	01/24/08 19:27	msh
Iron (1312)	M6010B ICP	0.15		*	mg/L	0.02	0.05	01/26/08 0:26	erf
Iron, total (3050)	M6010B ICP	6710		*	mg/Kg	2	5	01/23/08 1:49	erf
Lead (1312)	M6020 ICP-MS	0.0005		*	mg/L	0.0001	0.0005	01/29/08 3:43	gme
Lead, total (3050)	M6020 ICP-MS	10.30			mg/Kg	0.05	0.3	01/24/08 19:27	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:20	aeh
Mercury, total	M7471A CVAA	0.12	B		mg/Kg	0.04	0.2	01/15/08 13:26	aeh
Nickel (1312)	M6020 ICP-MS	0.0008	B	*	mg/L	0.0006	0.003	01/29/08 3:43	gme
Nickel, total (3050)	M6020 ICP-MS	7.9			mg/Kg	0.3	2	01/24/08 19:27	msh
Selenium (1312)	M6020 ICP-MS	0.0038			mg/L	0.0001	0.0005	01/29/08 3:43	gme
Selenium, total (3050)	M6020 ICP-MS	18.30		*	mg/Kg	0.05	0.3	01/24/08 19:27	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 3:43	gme
Silver, total (3050)	M6020 ICP-MS	0.08	B		mg/Kg	0.03	0.1	01/24/08 19:27	msh
Thallium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 3:43	gme
Thallium, total (3050)	M6020 ICP-MS	0.53			mg/Kg	0.05	0.3	01/24/08 19:27	msh
Uranium, total (3050)	M6020 ICP-MS	159		*	mg/Kg	1	5	01/29/08 10:57	msh
Vanadium (1312)	M6020 ICP-MS	0.0342		*	mg/L	0.0002	0.001	01/29/08 3:43	gme
Vanadium, total (3050)	M6020 ICP-MS	40	B	*	mg/Kg	10	50	01/31/08 2:03	gme
Zinc (1312)	M6020 ICP-MS	0.006	B	*	mg/L	0.002	0.01	01/29/08 3:43	gme
Zinc, total (3050)	M6020 ICP-MS	17		*	mg/Kg	1	5	01/24/08 19:27	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	86.9		*	%	0.1	0.5	01/17/08 11:10	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-LP3-010908

ACZ Sample ID: ***L67184-01***
Date Sampled: *01/09/08 10:15*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:00	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 12:02	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:00	lwt
Synthetic Precip. Leaching Procedure	M1312							01/18/08 15:12	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-SPI-1-010908

ACZ Sample ID: ***L67184-02***
Date Sampled: *01/09/08 10:40*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.011		*	mg/L	0.001	0.005	01/29/08 3:56	gme
Aluminum, total (3050)	M6020 ICP-MS	22000		*	mg/Kg	50	300	01/31/08 2:14	gme
Antimony (1312)	M6020 ICP-MS	0.0008	B	*	mg/L	0.0004	0.002	01/29/08 3:56	gme
Antimony, total (3050)	M6020 ICP-MS	0.4	B	*	mg/Kg	0.2	1	01/24/08 19:34	msh
Arsenic (1312)	M6020 ICP-MS	0.0045			mg/L	0.0005	0.001	01/29/08 3:56	gme
Arsenic, total (3050)	M6020 ICP-MS	11.4			mg/Kg	0.3	0.5	01/24/08 19:34	msh
Barium (1312)	M6020 ICP-MS	0.0366			mg/L	0.0001	0.0005	01/29/08 3:56	gme
Barium, total (3050)	M6020 ICP-MS	127			mg/Kg	0.05	0.3	01/24/08 19:34	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 3:56	gme
Beryllium, total (3050)	M6020 ICP-MS	1.19		*	mg/Kg	0.05	0.3	01/24/08 19:34	msh
Cadmium (1312)	M6020 ICP-MS	0.0002	B	*	mg/L	0.0001	0.0005	01/29/08 3:56	gme
Cadmium, total (3050)	M6020 ICP-MS	0.80			mg/Kg	0.05	0.3	01/24/08 19:34	msh
Chromium (1312)	M6020 ICP-MS	0.0005	B	*	mg/L	0.0001	0.0005	01/29/08 3:56	gme
Chromium, total (3050)	M6020 ICP-MS	17.10			mg/Kg	0.05	0.3	01/24/08 19:34	msh
Cobalt (1312)	M6020 ICP-MS	0.00008	B	*	mg/L	5E-05	0.0003	01/29/08 3:56	gme
Cobalt, total (3050)	M6020 ICP-MS	4.65		*	mg/Kg	0.03	0.1	01/24/08 19:34	msh
Copper (1312)	M6020 ICP-MS	0.0034		*	mg/L	0.0005	0.003	01/29/08 3:56	gme
Copper, total (3050)	M6020 ICP-MS	14.3			mg/Kg	0.3	1	01/24/08 19:34	msh
Iron (1312)	M6010B ICP		U	*	mg/L	0.02	0.05	01/26/08 0:34	erf
Iron, total (3050)	M6010B ICP	19400		*	mg/Kg	2	5	01/23/08 1:53	erf
Lead (1312)	M6020 ICP-MS	0.0002	B	*	mg/L	0.0001	0.0005	01/29/08 3:56	gme
Lead, total (3050)	M6020 ICP-MS	25.70			mg/Kg	0.05	0.3	01/24/08 19:34	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:24	aeh
Mercury, total	M7471A CVAA	0.10	B		mg/Kg	0.05	0.2	01/15/08 13:34	aeh
Nickel (1312)	M6020 ICP-MS		U	*	mg/L	0.0006	0.003	01/29/08 3:56	gme
Nickel, total (3050)	M6020 ICP-MS	9.6			mg/Kg	0.3	2	01/24/08 19:34	msh
Selenium (1312)	M6020 ICP-MS	0.0386			mg/L	0.0001	0.0005	01/29/08 3:56	gme
Selenium, total (3050)	M6020 ICP-MS	17.00		*	mg/Kg	0.05	0.3	01/24/08 19:34	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 3:56	gme
Silver, total (3050)	M6020 ICP-MS	0.16			mg/Kg	0.03	0.1	01/24/08 19:34	msh
Thallium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 3:56	gme
Thallium, total (3050)	M6020 ICP-MS	0.82			mg/Kg	0.05	0.3	01/24/08 19:34	msh
Uranium, total (3050)	M6020 ICP-MS	907		*	mg/Kg	3	10	01/29/08 11:02	msh
Vanadium (1312)	M6020 ICP-MS	0.0044		*	mg/L	0.0002	0.001	01/29/08 3:56	gme
Vanadium, total (3050)	M6020 ICP-MS	230		*	mg/Kg	10	50	01/31/08 2:14	gme
Zinc (1312)	M6020 ICP-MS	0.004	B	*	mg/L	0.002	0.01	01/29/08 3:56	gme
Zinc, total (3050)	M6020 ICP-MS	47		*	mg/Kg	1	5	01/24/08 19:34	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	73.8		*	%	0.1	0.5	01/17/08 16:32	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-SPI-1-010908

ACZ Sample ID: ***L67184-02***
Date Sampled: *01/09/08 10:40*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:06	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 12:20	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:06	lwt
Synthetic Precip. Leaching Procedure	M1312							01/19/08 1:36	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-SPI-2-010908

ACZ Sample ID: ***L67184-03***
Date Sampled: *01/09/08 11:53*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.046		*	mg/L	0.001	0.005	01/29/08 4:02	gme
Aluminum, total (3050)	M6020 ICP-MS	23100		*	mg/Kg	50	300	01/31/08 2:20	gme
Antimony (1312)	M6020 ICP-MS		U	*	mg/L	0.0004	0.002	01/29/08 4:02	gme
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	01/24/08 19:41	msh
Arsenic (1312)	M6020 ICP-MS	0.0040			mg/L	0.0005	0.001	01/29/08 4:02	gme
Arsenic, total (3050)	M6020 ICP-MS	7.9			mg/Kg	0.3	0.5	01/24/08 19:41	msh
Barium (1312)	M6020 ICP-MS	0.0105			mg/L	0.0001	0.0005	01/29/08 4:02	gme
Barium, total (3050)	M6020 ICP-MS	103			mg/Kg	0.05	0.3	01/24/08 19:41	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:02	gme
Beryllium, total (3050)	M6020 ICP-MS	1.14		*	mg/Kg	0.05	0.3	01/24/08 19:41	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:02	gme
Cadmium, total (3050)	M6020 ICP-MS	0.59			mg/Kg	0.05	0.3	01/24/08 19:41	msh
Chromium (1312)	M6020 ICP-MS	0.0005		*	mg/L	0.0001	0.0005	01/29/08 4:02	gme
Chromium, total (3050)	M6020 ICP-MS	18.40			mg/Kg	0.05	0.3	01/24/08 19:41	msh
Cobalt (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 4:02	gme
Cobalt, total (3050)	M6020 ICP-MS	5.77		*	mg/Kg	0.03	0.1	01/24/08 19:41	msh
Copper (1312)	M6020 ICP-MS	0.0032		*	mg/L	0.0005	0.003	01/29/08 4:02	gme
Copper, total (3050)	M6020 ICP-MS	13.8			mg/Kg	0.3	1	01/24/08 19:41	msh
Iron (1312)	M6010B ICP	0.07		*	mg/L	0.02	0.05	01/26/08 0:56	erf
Iron, total (3050)	M6010B ICP	20000		*	mg/Kg	2	5	01/23/08 1:56	erf
Lead (1312)	M6020 ICP-MS	0.0003	B	*	mg/L	0.0001	0.0005	01/29/08 4:02	gme
Lead, total (3050)	M6020 ICP-MS	19.50			mg/Kg	0.05	0.3	01/24/08 19:41	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:31	aeh
Mercury, total	M7471A CVAA	0.10	B		mg/Kg	0.05	0.2	01/15/08 13:36	aeh
Nickel (1312)	M6020 ICP-MS	0.0007	B	*	mg/L	0.0006	0.003	01/29/08 4:02	gme
Nickel, total (3050)	M6020 ICP-MS	10.7			mg/Kg	0.3	2	01/24/08 19:41	msh
Selenium (1312)	M6020 ICP-MS	0.0042			mg/L	0.0001	0.0005	01/29/08 4:02	gme
Selenium, total (3050)	M6020 ICP-MS	5.01		*	mg/Kg	0.05	0.3	01/24/08 19:41	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 4:02	gme
Silver, total (3050)	M6020 ICP-MS	0.08	B		mg/Kg	0.03	0.1	01/24/08 19:41	msh
Thallium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:02	gme
Thallium, total (3050)	M6020 ICP-MS	0.54			mg/Kg	0.05	0.3	01/24/08 19:41	msh
Uranium, total (3050)	M6020 ICP-MS	233		*	mg/Kg	3	10	01/29/08 11:08	msh
Vanadium (1312)	M6020 ICP-MS	0.0064		*	mg/L	0.0002	0.001	01/29/08 4:02	gme
Vanadium, total (3050)	M6020 ICP-MS	90		*	mg/Kg	10	50	01/31/08 2:20	gme
Zinc (1312)	M6020 ICP-MS	0.010	B	*	mg/L	0.002	0.01	01/29/08 4:02	gme
Zinc, total (3050)	M6020 ICP-MS	50		*	mg/Kg	1	5	01/24/08 19:41	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	70.4		*	%	0.1	0.5	01/17/08 19:13	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-SPI-2-010908

ACZ Sample ID: ***L67184-03***
Date Sampled: *01/09/08 11:53*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:13	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 12:39	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:13	lwt
Synthetic Precip. Leaching Procedure	M1312							01/19/08 17:12	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-PL1-010908

ACZ Sample ID: ***L67184-04***
Date Sampled: *01/09/08 13:33*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.184		*	mg/L	0.001	0.005	01/29/08 4:28	gme
Aluminum, total (3050)	M6020 ICP-MS	10600		*	mg/Kg	50	300	01/31/08 2:37	gme
Antimony (1312)	M6020 ICP-MS		U	*	mg/L	0.0004	0.002	01/29/08 4:28	gme
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	01/24/08 19:48	msh
Arsenic (1312)	M6020 ICP-MS	0.0009	B		mg/L	0.0005	0.001	01/29/08 4:28	gme
Arsenic, total (3050)	M6020 ICP-MS	3.1			mg/Kg	0.3	0.5	01/24/08 19:48	msh
Barium (1312)	M6020 ICP-MS	0.0154			mg/L	0.0001	0.0005	01/29/08 4:28	gme
Barium, total (3050)	M6020 ICP-MS	63.80			mg/Kg	0.05	0.3	01/24/08 19:48	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:28	gme
Beryllium, total (3050)	M6020 ICP-MS	0.45		*	mg/Kg	0.05	0.3	01/24/08 19:48	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:28	gme
Cadmium, total (3050)	M6020 ICP-MS	0.38			mg/Kg	0.05	0.3	01/24/08 19:48	msh
Chromium (1312)	M6020 ICP-MS	0.0012		*	mg/L	0.0001	0.0005	01/29/08 4:28	gme
Chromium, total (3050)	M6020 ICP-MS	6.38			mg/Kg	0.05	0.3	01/24/08 19:48	msh
Cobalt (1312)	M6020 ICP-MS	0.00016	B	*	mg/L	5E-05	0.0003	01/29/08 4:28	gme
Cobalt, total (3050)	M6020 ICP-MS	2.79		*	mg/Kg	0.03	0.1	01/24/08 19:48	msh
Copper (1312)	M6020 ICP-MS	0.0181		*	mg/L	0.0005	0.003	01/29/08 4:28	gme
Copper, total (3050)	M6020 ICP-MS	4.1			mg/Kg	0.3	1	01/24/08 19:48	msh
Iron (1312)	M6010B ICP	0.16		*	mg/L	0.02	0.05	01/26/08 0:59	erf
Iron, total (3050)	M6010B ICP	8320		*	mg/Kg	2	5	01/23/08 1:59	erf
Lead (1312)	M6020 ICP-MS	0.0012		*	mg/L	0.0001	0.0005	01/29/08 4:28	gme
Lead, total (3050)	M6020 ICP-MS	6.16			mg/Kg	0.05	0.3	01/24/08 19:48	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:34	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.05	0.2	01/15/08 13:39	aeh
Nickel (1312)	M6020 ICP-MS	0.0008	B	*	mg/L	0.0006	0.003	01/29/08 4:28	gme
Nickel, total (3050)	M6020 ICP-MS	4.6			mg/Kg	0.3	2	01/24/08 19:48	msh
Selenium (1312)	M6020 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	01/29/08 4:28	gme
Selenium, total (3050)	M6020 ICP-MS	0.89		*	mg/Kg	0.05	0.3	01/24/08 19:48	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 4:28	gme
Silver, total (3050)	M6020 ICP-MS	0.05	B		mg/Kg	0.03	0.1	01/24/08 19:48	msh
Thallium (1312)	M6020 ICP-MS	0.0003	B	*	mg/L	0.0001	0.0005	01/29/08 4:28	gme
Thallium, total (3050)	M6020 ICP-MS	0.17	B		mg/Kg	0.05	0.3	01/24/08 19:48	msh
Uranium, total (3050)	M6020 ICP-MS	3.56		*	mg/Kg	0.05	0.3	01/24/08 19:48	msh
Vanadium (1312)	M6020 ICP-MS	0.0065		*	mg/L	0.0002	0.001	01/29/08 4:28	gme
Vanadium, total (3050)	M6020 ICP-MS	33.4		*	mg/Kg	0.1	0.5	01/24/08 19:48	msh
Zinc (1312)	M6020 ICP-MS	0.016		*	mg/L	0.002	0.01	01/29/08 4:28	gme
Zinc, total (3050)	M6020 ICP-MS	20		*	mg/Kg	1	5	01/24/08 19:48	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	81.6		*	%	0.1	0.5	01/17/08 21:54	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-PL1-010908

ACZ Sample ID: ***L67184-04***
Date Sampled: *01/09/08 13:33*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:20	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 12:57	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:20	lwt
Synthetic Precip. Leaching Procedure	M1312							01/20/08 8:48	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-BKG2-010908

ACZ Sample ID: ***L67184-05***
Date Sampled: *01/09/08 13:00*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.040		*	mg/L	0.001	0.005	01/29/08 4:35	gme
Aluminum, total (3050)	M6020 ICP-MS	19200		*	mg/Kg	50	300	01/31/08 2:42	gme
Antimony (1312)	M6020 ICP-MS		U	*	mg/L	0.0004	0.002	01/29/08 4:35	gme
Antimony, total (3050)	M6020 ICP-MS	0.2	B	*	mg/Kg	0.2	1	01/24/08 19:54	msh
Arsenic (1312)	M6020 ICP-MS	0.0016			mg/L	0.0005	0.001	01/29/08 4:35	gme
Arsenic, total (3050)	M6020 ICP-MS	6.8			mg/Kg	0.3	0.5	01/24/08 19:54	msh
Barium (1312)	M6020 ICP-MS	0.0181			mg/L	0.0001	0.0005	01/29/08 4:35	gme
Barium, total (3050)	M6020 ICP-MS	140			mg/Kg	0.05	0.3	01/24/08 19:54	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:35	gme
Beryllium, total (3050)	M6020 ICP-MS	0.81		*	mg/Kg	0.05	0.3	01/24/08 19:54	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:35	gme
Cadmium, total (3050)	M6020 ICP-MS	0.52			mg/Kg	0.05	0.3	01/24/08 19:54	msh
Chromium (1312)	M6020 ICP-MS	0.0004	B	*	mg/L	0.0001	0.0005	01/29/08 4:35	gme
Chromium, total (3050)	M6020 ICP-MS	12.60			mg/Kg	0.05	0.3	01/24/08 19:54	msh
Cobalt (1312)	M6020 ICP-MS	0.00011	B	*	mg/L	5E-05	0.0003	01/29/08 4:35	gme
Cobalt, total (3050)	M6020 ICP-MS	5.13		*	mg/Kg	0.03	0.1	01/24/08 19:54	msh
Copper (1312)	M6020 ICP-MS	0.0020	B	*	mg/L	0.0005	0.003	01/29/08 4:35	gme
Copper, total (3050)	M6020 ICP-MS	7.0			mg/Kg	0.3	1	01/24/08 19:54	msh
Iron (1312)	M6010B ICP	0.06		*	mg/L	0.02	0.05	01/26/08 1:03	erf
Iron, total (3050)	M6010B ICP	18200		*	mg/Kg	2	5	01/23/08 2:03	erf
Lead (1312)	M6020 ICP-MS	0.0002	B	*	mg/L	0.0001	0.0005	01/29/08 4:35	gme
Lead, total (3050)	M6020 ICP-MS	11.50			mg/Kg	0.05	0.3	01/24/08 19:54	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:40	aeh
Mercury, total	M7471A CVAA	0.08	B		mg/Kg	0.05	0.2	01/15/08 13:41	aeh
Nickel (1312)	M6020 ICP-MS		U	*	mg/L	0.0006	0.003	01/29/08 4:35	gme
Nickel, total (3050)	M6020 ICP-MS	7.6			mg/Kg	0.3	2	01/24/08 19:54	msh
Selenium (1312)	M6020 ICP-MS	0.0004	B		mg/L	0.0001	0.0005	01/29/08 4:35	gme
Selenium, total (3050)	M6020 ICP-MS	0.42		*	mg/Kg	0.05	0.3	01/24/08 19:54	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 4:35	gme
Silver, total (3050)	M6020 ICP-MS	0.07	B		mg/Kg	0.03	0.1	01/24/08 19:54	msh
Thallium (1312)	M6020 ICP-MS	0.0001	B	*	mg/L	0.0001	0.0005	01/29/08 4:35	gme
Thallium, total (3050)	M6020 ICP-MS	0.17	B		mg/Kg	0.05	0.3	01/24/08 19:54	msh
Uranium, total (3050)	M6020 ICP-MS	1.65		*	mg/Kg	0.05	0.3	01/24/08 19:54	msh
Vanadium (1312)	M6020 ICP-MS	0.0077		*	mg/L	0.0002	0.001	01/29/08 4:35	gme
Vanadium, total (3050)	M6020 ICP-MS	39.5		*	mg/Kg	0.1	0.5	01/24/08 19:54	msh
Zinc (1312)	M6020 ICP-MS	0.005	B	*	mg/L	0.002	0.01	01/29/08 4:35	gme
Zinc, total (3050)	M6020 ICP-MS	31		*	mg/Kg	1	5	01/24/08 19:54	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	77.0		*	%	0.1	0.5	01/18/08 0:35	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-BKG2-010908

ACZ Sample ID: ***L67184-05***
Date Sampled: *01/09/08 13:00*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:26	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 13:15	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:26	lwt
Synthetic Precip. Leaching Procedure	M1312							01/20/08 14:00	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-PL2-010908

ACZ Sample ID: ***L67184-06***
Date Sampled: *01/09/08 13:53*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.405		*	mg/L	0.001	0.005	01/29/08 4:55	gme
Aluminum, total (3050)	M6020 ICP-MS	8860		*	mg/Kg	50	300	01/31/08 2:48	gme
Antimony (1312)	M6020 ICP-MS		U	*	mg/L	0.0004	0.002	01/29/08 4:55	gme
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	01/24/08 20:01	msh
Arsenic (1312)	M6020 ICP-MS	0.0008	B		mg/L	0.0005	0.001	01/29/08 4:55	gme
Arsenic, total (3050)	M6020 ICP-MS	2.9			mg/Kg	0.3	0.5	01/24/08 20:01	msh
Barium (1312)	M6020 ICP-MS	0.0118			mg/L	0.0001	0.0005	01/29/08 4:55	gme
Barium, total (3050)	M6020 ICP-MS	61.10			mg/Kg	0.05	0.3	01/24/08 20:01	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:55	gme
Beryllium, total (3050)	M6020 ICP-MS	0.36		*	mg/Kg	0.05	0.3	01/24/08 20:01	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:55	gme
Cadmium, total (3050)	M6020 ICP-MS	0.29	B		mg/Kg	0.05	0.3	01/24/08 20:01	msh
Chromium (1312)	M6020 ICP-MS	0.0012		*	mg/L	0.0001	0.0005	01/29/08 4:55	gme
Chromium, total (3050)	M6020 ICP-MS	6.00			mg/Kg	0.05	0.3	01/24/08 20:01	msh
Cobalt (1312)	M6020 ICP-MS	0.00011	B	*	mg/L	5E-05	0.0003	01/29/08 4:55	gme
Cobalt, total (3050)	M6020 ICP-MS	2.35		*	mg/Kg	0.03	0.1	01/24/08 20:01	msh
Copper (1312)	M6020 ICP-MS	0.0203		*	mg/L	0.0005	0.003	01/29/08 4:55	gme
Copper, total (3050)	M6020 ICP-MS	3.7			mg/Kg	0.3	1	01/24/08 20:01	msh
Iron (1312)	M6010B ICP	0.27		*	mg/L	0.02	0.05	01/26/08 1:06	erf
Iron, total (3050)	M6010B ICP	7840		*	mg/Kg	2	5	01/23/08 2:06	erf
Lead (1312)	M6020 ICP-MS	0.0022		*	mg/L	0.0001	0.0005	01/29/08 4:55	gme
Lead, total (3050)	M6020 ICP-MS	5.38			mg/Kg	0.05	0.3	01/24/08 20:01	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:42	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.04	0.2	01/15/08 13:48	aeh
Nickel (1312)	M6020 ICP-MS	0.0020	B	*	mg/L	0.0006	0.003	01/29/08 4:55	gme
Nickel, total (3050)	M6020 ICP-MS	6.3			mg/Kg	0.3	2	01/24/08 20:01	msh
Selenium (1312)	M6020 ICP-MS		U		mg/L	0.0001	0.0005	01/29/08 4:55	gme
Selenium, total (3050)	M6020 ICP-MS	0.26	B	*	mg/Kg	0.05	0.3	01/24/08 20:01	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 4:55	gme
Silver, total (3050)	M6020 ICP-MS	0.04	B		mg/Kg	0.03	0.1	01/24/08 20:01	msh
Thallium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 4:55	gme
Thallium, total (3050)	M6020 ICP-MS	0.09	B		mg/Kg	0.05	0.3	01/24/08 20:01	msh
Uranium, total (3050)	M6020 ICP-MS	1.16		*	mg/Kg	0.05	0.3	01/24/08 20:01	msh
Vanadium (1312)	M6020 ICP-MS	0.0043		*	mg/L	0.0002	0.001	01/29/08 4:55	gme
Vanadium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	10	50	01/31/08 2:48	gme
Zinc (1312)	M6020 ICP-MS	0.038		*	mg/L	0.002	0.01	01/29/08 4:55	gme
Zinc, total (3050)	M6020 ICP-MS	18		*	mg/Kg	1	5	01/24/08 20:01	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	80.6		*	%	0.1	0.5	01/18/08 3:16	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-PL2-010908

ACZ Sample ID: ***L67184-06***
Date Sampled: *01/09/08 13:53*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:33	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 13:34	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:33	lwt
Synthetic Precip. Leaching Procedure	M1312							01/20/08 19:12	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-LP1-011008

ACZ Sample ID: ***L67184-07***
Date Sampled: *01/10/08 08:35*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.180		*	mg/L	0.001	0.005	01/29/08 5:01	gme
Aluminum, total (3050)	M6020 ICP-MS	22100		*	mg/Kg	50	300	01/31/08 2:54	gme
Antimony (1312)	M6020 ICP-MS		U	*	mg/L	0.0004	0.002	01/29/08 5:01	gme
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	01/24/08 20:21	msh
Arsenic (1312)	M6020 ICP-MS	0.0052			mg/L	0.0005	0.001	01/29/08 5:01	gme
Arsenic, total (3050)	M6020 ICP-MS	5.0			mg/Kg	0.3	0.5	01/24/08 20:21	msh
Barium (1312)	M6020 ICP-MS	0.0235			mg/L	0.0001	0.0005	01/29/08 5:01	gme
Barium, total (3050)	M6020 ICP-MS	321		*	mg/Kg	3	10	01/29/08 11:42	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:01	gme
Beryllium, total (3050)	M6020 ICP-MS	1.21		*	mg/Kg	0.05	0.3	01/24/08 20:21	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:01	gme
Cadmium, total (3050)	M6020 ICP-MS	0.64			mg/Kg	0.05	0.3	01/24/08 20:21	msh
Chromium (1312)	M6020 ICP-MS	0.0005		*	mg/L	0.0001	0.0005	01/29/08 5:01	gme
Chromium, total (3050)	M6020 ICP-MS	8.24			mg/Kg	0.05	0.3	01/24/08 20:21	msh
Cobalt (1312)	M6020 ICP-MS	0.00006	B	*	mg/L	5E-05	0.0003	01/29/08 5:01	gme
Cobalt, total (3050)	M6020 ICP-MS	4.13		*	mg/Kg	0.03	0.1	01/24/08 20:21	msh
Copper (1312)	M6020 ICP-MS	0.0052		*	mg/L	0.0005	0.003	01/29/08 5:01	gme
Copper, total (3050)	M6020 ICP-MS	9.9			mg/Kg	0.3	1	01/24/08 20:21	msh
Iron (1312)	M6010B ICP	0.09		*	mg/L	0.02	0.05	01/26/08 1:10	erf
Iron, total (3050)	M6010B ICP	14600		*	mg/Kg	2	5	01/23/08 2:09	erf
Lead (1312)	M6020 ICP-MS	0.0009		*	mg/L	0.0001	0.0005	01/29/08 5:01	gme
Lead, total (3050)	M6020 ICP-MS	19.40			mg/Kg	0.05	0.3	01/24/08 20:21	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:46	aeh
Mercury, total	M7471A CVAA	0.09	B		mg/Kg	0.05	0.2	01/15/08 13:51	aeh
Nickel (1312)	M6020 ICP-MS		U	*	mg/L	0.0006	0.003	01/29/08 5:01	gme
Nickel, total (3050)	M6020 ICP-MS	4.9			mg/Kg	0.3	2	01/24/08 20:21	msh
Selenium (1312)	M6020 ICP-MS	0.0032			mg/L	0.0001	0.0005	01/29/08 5:01	gme
Selenium, total (3050)	M6020 ICP-MS	21.20		*	mg/Kg	0.05	0.3	01/24/08 20:21	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 5:01	gme
Silver, total (3050)	M6020 ICP-MS	0.13			mg/Kg	0.03	0.1	01/24/08 20:21	msh
Thallium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:01	gme
Thallium, total (3050)	M6020 ICP-MS	0.68			mg/Kg	0.05	0.3	01/24/08 20:21	msh
Uranium, total (3050)	M6020 ICP-MS	124		*	mg/Kg	3	10	01/29/08 11:42	msh
Vanadium (1312)	M6020 ICP-MS	0.0413		*	mg/L	0.0002	0.001	01/29/08 5:01	gme
Vanadium, total (3050)	M6020 ICP-MS	220		*	mg/Kg	10	50	01/31/08 2:54	gme
Zinc (1312)	M6020 ICP-MS	0.011		*	mg/L	0.002	0.01	01/29/08 5:01	gme
Zinc, total (3050)	M6020 ICP-MS	32		*	mg/Kg	1	5	01/24/08 20:21	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	79.8		*	%	0.1	0.5	01/18/08 5:57	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-LP1-011008

ACZ Sample ID: ***L67184-07***
Date Sampled: *01/10/08 08:35*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:40	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 13:52	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:40	lwt
Synthetic Precip. Leaching Procedure	M1312							01/21/08 0:24	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-LP1 DUP-011008

ACZ Sample ID: ***L67184-08***
Date Sampled: *01/10/08 08:40*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.160		*	mg/L	0.001	0.005	01/29/08 5:08	gme
Aluminum, total (3050)	M6020 ICP-MS	24400		*	mg/Kg	50	300	01/31/08 2:59	gme
Antimony (1312)	M6020 ICP-MS	0.0004	B	*	mg/L	0.0004	0.002	01/29/08 5:08	gme
Antimony, total (3050)	M6020 ICP-MS	0.3	B	*	mg/Kg	0.2	1	01/24/08 20:28	msh
Arsenic (1312)	M6020 ICP-MS	0.0056			mg/L	0.0005	0.001	01/29/08 5:08	gme
Arsenic, total (3050)	M6020 ICP-MS	5.1			mg/Kg	0.3	0.5	01/24/08 20:28	msh
Barium (1312)	M6020 ICP-MS	0.0225			mg/L	0.0001	0.0005	01/29/08 5:08	gme
Barium, total (3050)	M6020 ICP-MS	211			mg/Kg	0.05	0.3	01/24/08 20:28	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:08	gme
Beryllium, total (3050)	M6020 ICP-MS	1.26		*	mg/Kg	0.05	0.3	01/24/08 20:28	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:08	gme
Cadmium, total (3050)	M6020 ICP-MS	0.65			mg/Kg	0.05	0.3	01/24/08 20:28	msh
Chromium (1312)	M6020 ICP-MS	0.0003	B	*	mg/L	0.0001	0.0005	01/29/08 5:08	gme
Chromium, total (3050)	M6020 ICP-MS	8.12			mg/Kg	0.05	0.3	01/24/08 20:28	msh
Cobalt (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 5:08	gme
Cobalt, total (3050)	M6020 ICP-MS	4.48		*	mg/Kg	0.03	0.1	01/24/08 20:28	msh
Copper (1312)	M6020 ICP-MS	0.0017	B	*	mg/L	0.0005	0.003	01/29/08 5:08	gme
Copper, total (3050)	M6020 ICP-MS	9.9			mg/Kg	0.3	1	01/24/08 20:28	msh
Iron (1312)	M6010B ICP	0.09		*	mg/L	0.02	0.05	01/26/08 1:14	erf
Iron, total (3050)	M6010B ICP	15400		*	mg/Kg	2	5	01/23/08 2:13	erf
Lead (1312)	M6020 ICP-MS	0.0004	B	*	mg/L	0.0001	0.0005	01/29/08 5:08	gme
Lead, total (3050)	M6020 ICP-MS	20.00			mg/Kg	0.05	0.3	01/24/08 20:28	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:48	aeh
Mercury, total	M7471A CVAA	0.14	B		mg/Kg	0.05	0.3	01/15/08 13:53	aeh
Nickel (1312)	M6020 ICP-MS		U	*	mg/L	0.0006	0.003	01/29/08 5:08	gme
Nickel, total (3050)	M6020 ICP-MS	5.0			mg/Kg	0.3	2	01/24/08 20:28	msh
Selenium (1312)	M6020 ICP-MS	0.0037			mg/L	0.0001	0.0005	01/29/08 5:08	gme
Selenium, total (3050)	M6020 ICP-MS	18.50		*	mg/Kg	0.05	0.3	01/24/08 20:28	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 5:08	gme
Silver, total (3050)	M6020 ICP-MS	0.14			mg/Kg	0.03	0.1	01/24/08 20:28	msh
Thallium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:08	gme
Thallium, total (3050)	M6020 ICP-MS	0.74			mg/Kg	0.05	0.3	01/24/08 20:28	msh
Uranium, total (3050)	M6020 ICP-MS	147		*	mg/Kg	3	10	01/29/08 11:48	msh
Vanadium (1312)	M6020 ICP-MS	0.0453		*	mg/L	0.0002	0.001	01/29/08 5:08	gme
Vanadium, total (3050)	M6020 ICP-MS	230		*	mg/Kg	10	50	01/31/08 2:59	gme
Zinc (1312)	M6020 ICP-MS	0.004	B	*	mg/L	0.002	0.01	01/29/08 5:08	gme
Zinc, total (3050)	M6020 ICP-MS	34		*	mg/Kg	1	5	01/24/08 20:28	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	76.7		*	%	0.1	0.5	01/18/08 8:38	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-LP1 DUP-011008

ACZ Sample ID: ***L67184-08***
Date Sampled: *01/10/08 08:40*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:46	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 14:10	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:46	lwt
Synthetic Precip. Leaching Procedure	M1312							01/21/08 5:36	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-LP2-011008

ACZ Sample ID: ***L67184-09***
Date Sampled: *01/10/08 08:34*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.168		*	mg/L	0.001	0.005	01/29/08 5:14	gme
Aluminum, total (3050)	M6020 ICP-MS	8000		*	mg/Kg	50	300	01/31/08 3:05	gme
Antimony (1312)	M6020 ICP-MS		U	*	mg/L	0.0004	0.002	01/29/08 5:14	gme
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	01/24/08 20:35	msh
Arsenic (1312)	M6020 ICP-MS	0.0058			mg/L	0.0005	0.001	01/29/08 5:14	gme
Arsenic, total (3050)	M6020 ICP-MS	4.2			mg/Kg	0.3	0.5	01/24/08 20:35	msh
Barium (1312)	M6020 ICP-MS	0.0180			mg/L	0.0001	0.0005	01/29/08 5:14	gme
Barium, total (3050)	M6020 ICP-MS	159			mg/Kg	0.05	0.3	01/24/08 20:35	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:14	gme
Beryllium, total (3050)	M6020 ICP-MS	0.47		*	mg/Kg	0.05	0.3	01/24/08 20:35	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:14	gme
Cadmium, total (3050)	M6020 ICP-MS	0.41			mg/Kg	0.05	0.3	01/24/08 20:35	msh
Chromium (1312)	M6020 ICP-MS	0.0004	B	*	mg/L	0.0001	0.0005	01/29/08 5:14	gme
Chromium, total (3050)	M6020 ICP-MS	2.91			mg/Kg	0.05	0.3	01/24/08 20:35	msh
Cobalt (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 5:14	gme
Cobalt, total (3050)	M6020 ICP-MS		U	*	mg/Kg	3	10	01/31/08 3:05	gme
Copper (1312)	M6020 ICP-MS	0.0016	B	*	mg/L	0.0005	0.003	01/29/08 5:14	gme
Copper, total (3050)	M6020 ICP-MS	4.4			mg/Kg	0.3	1	01/24/08 20:35	msh
Iron (1312)	M6010B ICP	0.12		*	mg/L	0.02	0.05	01/26/08 1:17	erf
Iron, total (3050)	M6010B ICP	5870		*	mg/Kg	2	5	01/23/08 2:16	erf
Lead (1312)	M6020 ICP-MS	0.0004	B	*	mg/L	0.0001	0.0005	01/29/08 5:14	gme
Lead, total (3050)	M6020 ICP-MS	14.90			mg/Kg	0.05	0.3	01/24/08 20:35	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:50	aeh
Mercury, total	M7471A CVAA	0.07	B		mg/Kg	0.04	0.2	01/15/08 13:55	aeh
Nickel (1312)	M6020 ICP-MS		U	*	mg/L	0.0006	0.003	01/29/08 5:14	gme
Nickel, total (3050)	M6020 ICP-MS	2.1			mg/Kg	0.3	2	01/24/08 20:35	msh
Selenium (1312)	M6020 ICP-MS	0.0026			mg/L	0.0001	0.0005	01/29/08 5:14	gme
Selenium, total (3050)	M6020 ICP-MS	22.40		*	mg/Kg	0.05	0.3	01/24/08 20:35	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 5:14	gme
Silver, total (3050)	M6020 ICP-MS	0.06	B		mg/Kg	0.03	0.1	01/24/08 20:35	msh
Thallium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:14	gme
Thallium, total (3050)	M6020 ICP-MS	0.27	B		mg/Kg	0.05	0.3	01/24/08 20:35	msh
Uranium, total (3050)	M6020 ICP-MS	151		*	mg/Kg	1	5	01/29/08 11:53	msh
Vanadium (1312)	M6020 ICP-MS	0.0512		*	mg/L	0.0002	0.001	01/29/08 5:14	gme
Vanadium, total (3050)	M6020 ICP-MS	149		*	mg/Kg	0.1	0.5	01/24/08 20:35	msh
Zinc (1312)	M6020 ICP-MS	0.005	B	*	mg/L	0.002	0.01	01/29/08 5:14	gme
Zinc, total (3050)	M6020 ICP-MS	12		*	mg/Kg	1	5	01/24/08 20:35	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	88.5		*	%	0.1	0.5	01/18/08 11:19	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-LP2-011008

ACZ Sample ID: ***L67184-09***
Date Sampled: *01/10/08 08:34*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 8:53	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 14:28	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 14:53	lwt
Synthetic Precip. Leaching Procedure	M1312							01/21/08 10:48	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-BKG1-011008

ACZ Sample ID: ***L67184-10***
Date Sampled: *01/10/08 08:40*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum (1312)	M6020 ICP-MS	0.229		*	mg/L	0.001	0.005	01/29/08 5:21	gme
Aluminum, total (3050)	M6020 ICP-MS	7000		*	mg/Kg	50	300	01/31/08 3:10	gme
Antimony (1312)	M6020 ICP-MS		U	*	mg/L	0.0004	0.002	01/29/08 5:21	gme
Antimony, total (3050)	M6020 ICP-MS		U	*	mg/Kg	0.2	1	01/24/08 20:48	msh
Arsenic (1312)	M6020 ICP-MS	0.0016			mg/L	0.0005	0.001	01/29/08 5:21	gme
Arsenic, total (3050)	M6020 ICP-MS	2.6			mg/Kg	0.3	0.5	01/24/08 20:48	msh
Barium (1312)	M6020 ICP-MS	0.0113			mg/L	0.0001	0.0005	01/29/08 5:21	gme
Barium, total (3050)	M6020 ICP-MS	56.70			mg/Kg	0.05	0.3	01/24/08 20:48	msh
Beryllium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:21	gme
Beryllium, total (3050)	M6020 ICP-MS	0.33		*	mg/Kg	0.05	0.3	01/24/08 20:48	msh
Cadmium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:21	gme
Cadmium, total (3050)	M6020 ICP-MS	0.25	B		mg/Kg	0.05	0.3	01/24/08 20:48	msh
Chromium (1312)	M6020 ICP-MS	0.0004	B	*	mg/L	0.0001	0.0005	01/29/08 5:21	gme
Chromium, total (3050)	M6020 ICP-MS	5.03			mg/Kg	0.05	0.3	01/24/08 20:48	msh
Cobalt (1312)	M6020 ICP-MS	0.00009	B	*	mg/L	5E-05	0.0003	01/29/08 5:21	gme
Cobalt, total (3050)	M6020 ICP-MS	2.02		*	mg/Kg	0.03	0.1	01/24/08 20:48	msh
Copper (1312)	M6020 ICP-MS	0.0022	B	*	mg/L	0.0005	0.003	01/29/08 5:21	gme
Copper, total (3050)	M6020 ICP-MS	3.5			mg/Kg	0.3	1	01/24/08 20:48	msh
Iron (1312)	M6010B ICP	0.14		*	mg/L	0.02	0.05	01/26/08 1:21	erf
Iron, total (3050)	M6010B ICP	6430		*	mg/Kg	2	5	01/23/08 2:36	erf
Lead (1312)	M6020 ICP-MS	0.0002	B	*	mg/L	0.0001	0.0005	01/29/08 5:21	gme
Lead, total (3050)	M6020 ICP-MS	4.53			mg/Kg	0.05	0.3	01/24/08 20:48	msh
Mercury (1312)	M7470A CVAA		U	*	mg/L	0.0002	0.001	01/24/08 12:53	aeh
Mercury, total	M7471A CVAA		U		mg/Kg	0.05	0.2	01/15/08 13:57	aeh
Nickel (1312)	M6020 ICP-MS		U	*	mg/L	0.0006	0.003	01/29/08 5:21	gme
Nickel, total (3050)	M6020 ICP-MS	3.5			mg/Kg	0.3	2	01/24/08 20:48	msh
Selenium (1312)	M6020 ICP-MS	0.0001	B		mg/L	0.0001	0.0005	01/29/08 5:21	gme
Selenium, total (3050)	M6020 ICP-MS	0.21	B	*	mg/Kg	0.05	0.3	01/24/08 20:48	msh
Silver (1312)	M6020 ICP-MS		U	*	mg/L	5E-05	0.0003	01/29/08 5:21	gme
Silver, total (3050)	M6020 ICP-MS	0.03	B		mg/Kg	0.03	0.1	01/24/08 20:48	msh
Thallium (1312)	M6020 ICP-MS		U	*	mg/L	0.0001	0.0005	01/29/08 5:21	gme
Thallium, total (3050)	M6020 ICP-MS	0.06	B		mg/Kg	0.05	0.3	01/24/08 20:48	msh
Uranium, total (3050)	M6020 ICP-MS	0.41		*	mg/Kg	0.05	0.3	01/24/08 20:48	msh
Vanadium (1312)	M6020 ICP-MS	0.0096		*	mg/L	0.0002	0.001	01/29/08 5:21	gme
Vanadium, total (3050)	M6020 ICP-MS		U	*	mg/Kg	10	50	01/31/08 3:10	gme
Zinc (1312)	M6020 ICP-MS	0.004	B	*	mg/L	0.002	0.01	01/29/08 5:21	gme
Zinc, total (3050)	M6020 ICP-MS	16		*	mg/Kg	1	5	01/24/08 20:48	msh

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Solids, Percent	CLPSOW390, PART F, D-98	85.4		*	%	0.1	0.5	01/18/08 14:00	bjl

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Scientific Applications Int'l Corp.
Project ID:
Sample ID: SS-BKG1-011008

ACZ Sample ID: ***L67184-10***
Date Sampled: *01/10/08 08:40*
Date Received: *01/11/08*
Sample Matrix: *Soil*

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/17/08 9:00	bjl
Digestion - Hot Plate	M3050B ICP-MS							01/22/08 15:23	lwt
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							01/21/08 15:00	lwt
Synthetic Precip. Leaching Procedure	M1312							01/21/08 16:00	bjl

** Please refer to Qualifier Reports for details.*

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Aluminum (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.1		.1075	mg/L	107.5	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.003	0.003			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	49.62		45.1	mg/L	90.9	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.1		.106	mg/L	106	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.003	0.003			
WG239291PBS	PBS	01/29/08 3:36				.002	mg/L		-0.003	0.003			
L67184-01DUP	DUP	01/29/08 3:49			.137	.213	mg/L				43.4	20	RD
L67184-03SDL	SDL	01/29/08 4:09			.046	.0525	mg/L				14.1	10	ZB
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.046	.0935	mg/L	95	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.046	.0878	mg/L	83.6	75	125	6.29	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.1		.1077	mg/L	107.7	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.003	0.003			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.1		.1087	mg/L	108.7	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.003	0.003			

Aluminum, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239810													
WG239810ICV	ICV	01/31/08 1:18	MS080125-7	.1		.1078	mg/L	107.8	90	110			
WG239810ICB	ICB	01/31/08 1:24				U	mg/L		-0.003	0.003			
WG239810ICSAB	ICSAB	01/31/08 1:35	MS071228-4	49.62		47.27	mg/L	95.3	80	120			
WG239410PBS	PBS	01/31/08 1:46				3.65	mg/Kg		-1.5	1.5			B7
WG239410LCSS	LCSS	01/31/08 1:52	PCN28392	9120		10805	mg/Kg		4820	13400			
WG239410LCSSD	LCSSD	01/31/08 1:58	PCN28392	9120		11050	mg/Kg		4820	13400	2.2	20	
L67184-01SDL	SDL	01/31/08 2:09			8320	7830	mg/Kg				5.9	10	
WG239810CCV1	CCV	01/31/08 2:26	MS080125-7	.1		.1069	mg/L	106.9	90	110			
WG239810CCB1	CCB	01/31/08 2:31				U	mg/L		-0.003	0.003			
L67184-10MS	MS	01/31/08 3:16	MS500XSOI	25	7000	7450	mg/Kg	1800	75	125			M3
L67184-10MSD	MSD	01/31/08 3:22	MS500XSOI	25	7000	7435	mg/Kg	1740	75	125	0.2	20	M3
WG239810CCV2	CCV	01/31/08 3:27	MS080125-7	.1		.1101	mg/L	110.1	90	110			
WG239810CCB2	CCB	01/31/08 3:33				U	mg/L		-0.003	0.003			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Antimony (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.02006		.02032	mg/L	101.3	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0012	0.0012			
WG239637ICSA	ICSA	01/29/08 2:18				U	mg/L		-0.002	0.002			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.01		.01108	mg/L	110.8	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.02006		.02068	mg/L	103.1	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0012	0.0012			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0012	0.0012			
L67184-01DUP	DUP	01/29/08 3:49			U	U	mg/L				0	20	RA
L67184-03SDL	SDL	01/29/08 4:09			U	U	mg/L					10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.01	U	.01084	mg/L	108.4	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.01	U	.01073	mg/L	107.3	75	125	1.02	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.02006		.02067	mg/L	103	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0012	0.0012			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.02006		.0205	mg/L	102.2	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0012	0.0012			

Antimony, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.02006		.01796	mg/L	89.5	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0012	0.0012			
WG239598ICSA	ICSA	01/24/08 18:47				U	mg/L		-0.002	0.002			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.01		.01047	mg/L	104.7	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.6	0.6			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	113		136	mg/Kg		0	238			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	113		142.5	mg/Kg		0	238	4.7	20	
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.02006		.01802	mg/L	89.8	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0012	0.0012			
L67184-09SDL	SDL	01/24/08 20:41			U	U	mg/Kg					10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	5	U	3.25	mg/Kg	65	75	125			M2
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	5	U	3.34	mg/Kg	66.8	75	125	2.73	20	M2
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.02006		.01802	mg/L	89.8	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0012	0.0012			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Arsenic (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.05163	mg/L	103.3	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0015	0.0015			
WG239637ICSA	ICSA	01/29/08 2:18				U	mg/L		-0.001	0.001			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01849	mg/L	92.5	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.0523	mg/L	104.6	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0015	0.0015			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0015	0.0015			
L67184-01DUP	DUP	01/29/08 3:49			.0053	.00568	mg/L				6.9	20	
L67184-03SDL	SDL	01/29/08 4:09			.004	.0037	mg/L				7.5	10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.004	.0504	mg/L	92.8	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.004	.04971	mg/L	91.4	75	125	1.38	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05294	mg/L	105.9	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0015	0.0015			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.05223	mg/L	104.5	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0015	0.0015			

Arsenic, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05188	mg/L	103.8	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0015	0.0015			
WG239598ICSA	ICSA	01/24/08 18:47				U	mg/L		-0.001	0.001			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01784	mg/L	89.2	80	120			
WG239410PBS	PBS	01/24/08 19:08				.37	mg/Kg		-0.9	0.9			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	151		143.8	mg/Kg		116	186			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	151		140.8	mg/Kg		116	186	2.1	20	
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05253	mg/L	105.1	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0015	0.0015			
L67184-09SDL	SDL	01/24/08 20:41			4.2	4.25	mg/Kg				1.2	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	2.6	22.89	mg/Kg	81.2	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	2.6	23.5	mg/Kg	83.6	75	125	2.63	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05246	mg/L	104.9	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0015	0.0015			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Barium (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.05086	mg/L	101.7	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0003	0.0003			
WG239637ICSA	ICSA	01/29/08 2:18		.00041		.00041	mg/L		-0.0005	0.0005			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01934	mg/L	96.7	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05068	mg/L	101.4	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0003	0.0003			
WG239291PBS	PBS	01/29/08 3:36				.00012	mg/L		-0.0003	0.0003			
L67184-01DUP	DUP	01/29/08 3:49			.0472	.04644	mg/L				1.6	20	
L67184-03SDL	SDL	01/29/08 4:09			.0105	.0109	mg/L				3.8	10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.0105	.05779	mg/L	94.6	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.0105	.05579	mg/L	90.6	75	125	3.52	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05133	mg/L	102.7	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0003	0.0003			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.05057	mg/L	101.1	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0003	0.0003			

Barium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.0536	mg/L	107.2	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0003	0.0003			
WG239598ICSA	ICSA	01/24/08 18:47		.00037		.00037	mg/L		-0.0005	0.0005			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.02013	mg/L	100.7	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.15	0.15			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	272		246.25	mg/Kg		223	321			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	272		255.85	mg/Kg		223	321	3.8	20	
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05382	mg/L	107.6	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/24/08 20:41			159	160.85	mg/Kg				1.2	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	56.7	81.35	mg/Kg	98.6	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	56.7	84.3	mg/Kg	110.4	75	125	3.56	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05385	mg/L	107.7	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0003	0.0003			
WG239738													
WG239738ICV	ICV	01/29/08 10:11	MS080125-7	.05		.05361	mg/L	107.2	90	110			
WG239738ICB	ICB	01/29/08 10:17				U	mg/L		-0.0003	0.0003			
WG239738ICSA	ICSA	01/29/08 10:22		.00209		.00209	mg/L		-0.0005	0.0005			N1
WG239738ICSAB	ICSAB	01/29/08 10:28	MS071228-4	.02		.0208	mg/L	104	80	120			
WG239410PBS	PBS	01/29/08 10:40				U	mg/Kg		-0.15	0.15			
WG239410LCSS	LCSS	01/29/08 10:45	PCN28392	272		256.15	mg/Kg		223	321			
WG239410LCSSD	LCSSD	01/29/08 10:51	PCN28392	272		270.85	mg/Kg		223	321	5.6	20	
WG239738CCV1	CCV	01/29/08 11:31	MS080125-7	.05		.05338	mg/L	106.8	90	110			
WG239738CCB1	CCB	01/29/08 11:36				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/29/08 11:59			178	179.5	mg/Kg				0.8	10	
L67184-10MS	MS	01/29/08 12:10	MS100XSOI	25	60	86.4	mg/Kg	105.6	75	125			
L67184-10MSD	MSD	01/29/08 12:16	MS100XSOI	25	60	88.2	mg/Kg	112.8	75	125	2.06	20	
WG239738CCV2	CCV	01/29/08 12:22	MS080125-7	.05		.05347	mg/L	106.9	90	110			
WG239738CCB2	CCB	01/29/08 12:27				U	mg/L		-0.0003	0.0003			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Beryllium (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.04882	mg/L	97.6	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0003	0.0003			
WG239637ICSA	ICSA	01/29/08 2:18				U	mg/L		-0.0005	0.0005			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01829	mg/L	91.5	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.04949	mg/L	99	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0003	0.0003			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0003	0.0003			
L67184-01DUP	DUP	01/29/08 3:49			U	U	mg/L				0	20	RA
L67184-03SDL	SDL	01/29/08 4:09			U	U	mg/L					10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	U	.04644	mg/L	92.9	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	U	.0456	mg/L	91.2	75	125	1.83	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.04841	mg/L	96.8	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0003	0.0003			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.04852	mg/L	97	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0003	0.0003			

Beryllium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05059	mg/L	101.2	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0003	0.0003			
WG239598ICSA	ICSA	01/24/08 18:47				U	mg/L		-0.0005	0.0005			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.0172	mg/L	86	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.15	0.15			E6
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	102		87.95	mg/Kg		83.7	121			E6
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	102		90.75	mg/Kg		83.7	121	3.1	20	E6
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.04905	mg/L	98.1	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/24/08 20:41			.47	.55	mg/Kg				17	10	ZB
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	.33	23.105	mg/Kg	91.1	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	.33	23.275	mg/Kg	91.8	75	125	0.73	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.04924	mg/L	98.5	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0003	0.0003			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Cadmium (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.05211	mg/L	104.2	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0003	0.0003			
WG239637ICSA	ICSA	01/29/08 2:18		.00015		.00015	mg/L		-0.0005	0.0005			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01892	mg/L	94.6	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05218	mg/L	104.4	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0003	0.0003			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0003	0.0003			
L67184-01DUP	DUP	01/29/08 3:49			U	U	mg/L				0	20	RA
L67184-03SDL	SDL	01/29/08 4:09			U	U	mg/L					10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	U	.04842	mg/L	96.8	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	U	.04698	mg/L	94	75	125	3.02	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05232	mg/L	104.6	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0003	0.0003			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.05177	mg/L	103.5	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0003	0.0003			

Cadmium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05183	mg/L	103.7	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0003	0.0003			
WG239598ICSA	ICSA	01/24/08 18:47		.00044		.00044	mg/L		-0.0005	0.0005			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01873	mg/L	93.7	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.15	0.15			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	95.3		83.6	mg/Kg		76.3	114			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	95.3		86.6	mg/Kg		76.3	114	3.5	20	
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05123	mg/L	102.5	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/24/08 20:41			.41	.45	mg/Kg				9.8	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	.25	23.465	mg/Kg	92.9	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	.25	23.56	mg/Kg	93.2	75	125	0.4	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05187	mg/L	103.7	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0003	0.0003			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Chromium (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.05073	mg/L	101.5	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0003	0.0003			
WG239637ICSA	ICSA	01/29/08 2:18		.00033		.00033	mg/L		-0.0005	0.0005			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01854	mg/L	92.7	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05154	mg/L	103.1	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0003	0.0003			
WG239291PBS	PBS	01/29/08 3:36				.00034	mg/L		-0.0003	0.0003			B5
L67184-01DUP	DUP	01/29/08 3:49			.0012	.00087	mg/L				31.9	20	RA
L67184-03SDL	SDL	01/29/08 4:09			.0005	U	mg/L					10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.0005	.04899	mg/L	97	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.0005	.04814	mg/L	95.3	75	125	1.75	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05174	mg/L	103.5	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0003	0.0003			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.0513	mg/L	102.6	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0003	0.0003			

Chromium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05176	mg/L	103.5	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0003	0.0003			
WG239598ICSA	ICSA	01/24/08 18:47		.00034		.00034	mg/L		-0.0005	0.0005			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01913	mg/L	95.7	80	120			
WG239410PBS	PBS	01/24/08 19:08				.068	mg/Kg		-0.15	0.15			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	120		116.7	mg/Kg		96.6	143			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	120		113.95	mg/Kg		96.6	143	2.4	20	E6
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05257	mg/L	105.1	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/24/08 20:41			2.91	2.885	mg/Kg				0.9	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	5.03	28.265	mg/Kg	92.9	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	5.03	28.73	mg/Kg	94.8	75	125	1.63	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05176	mg/L	103.5	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0003	0.0003			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Cobalt (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.05087	mg/L	101.7	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.00015	0.00015			
WG239637ICSA	ICSA	01/29/08 2:18		.000278		.000278	mg/L		-0.0003	0.0003			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01817	mg/L	90.9	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05063	mg/L	101.3	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.00015	0.00015			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.00015	0.00015			
L67184-01DUP	DUP	01/29/08 3:49			.00007	.000057	mg/L				20.5	20	RA
L67184-03SDL	SDL	01/29/08 4:09			U	U	mg/L					10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	U	.04821	mg/L	96.4	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	U	.04679	mg/L	93.6	75	125	2.99	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05037	mg/L	100.7	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.00015	0.00015			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.05003	mg/L	100.1	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.00015	0.00015			

Cobalt, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05041	mg/L	100.8	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.00015	0.00015			
WG239598ICSA	ICSA	01/24/08 18:47		.000512		.000512	mg/L		-0.0003	0.0003			N1
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01686	mg/L	84.3	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.09	0.09			E6
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	67.3		56.85	mg/Kg		54.7	79.9			E6
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	67.3		57.2	mg/Kg		54.7	79.9	0.6	20	E6
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.04958	mg/L	99.2	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.00015	0.00015			
L67184-09SDL	SDL	01/24/08 20:41			1.85	1.825	mg/Kg				1.4	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	2.02	24.095	mg/Kg	88.3	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	2.02	23.98	mg/Kg	87.8	75	125	0.48	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05006	mg/L	100.1	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.00015	0.00015			
WG239810													
WG239810ICV	ICV	01/31/08 1:18	MS080125-7	.05		.05344	mg/L	106.9	90	110			
WG239810ICB	ICB	01/31/08 1:24				U	mg/L		-0.00015	0.00015			
WG239810ICSA	ICSA	01/31/08 1:29		.000307		.000307	mg/L		-0.0003	0.0003			N1
WG239810ICSAB	ICSAB	01/31/08 1:35	MS071228-4	.02		.01875	mg/L	93.8	80	120			
WG239410PBS	PBS	01/31/08 1:46				U	mg/Kg		-0.09	0.09			
WG239410LCSS	LCSS	01/31/08 1:52	PCN28392	67.3		59.45	mg/Kg		54.7	79.9			
WG239410LCSSD	LCSSD	01/31/08 1:58	PCN28392	67.3		61	mg/Kg		54.7	79.9	2.6	20	
L67184-01SDL	SDL	01/31/08 2:09			U	U	mg/Kg					10	
WG239810CCV1	CCV	01/31/08 2:26	MS080125-7	.05		.05387	mg/L	107.7	90	110			
WG239810CCB1	CCB	01/31/08 2:31				U	mg/L		-0.00015	0.00015			
L67184-10MS	MS	01/31/08 3:16	MS500XSOI	25	U	27.6	mg/Kg	110.4	75	125			
L67184-10MSD	MSD	01/31/08 3:22	MS500XSOI	25	U	27	mg/Kg	108	75	125	2.2	20	
WG239810CCV2	CCV	01/31/08 3:27	MS080125-7	.05		.05521	mg/L	110.4	90	110			
WG239810CCB2	CCB	01/31/08 3:33				U	mg/L		-0.00015	0.00015			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Copper (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.04994	mg/L	99.9	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0015	0.0015			
WG239637ICSA	ICSA	01/29/08 2:18		.00074		.00074	mg/L		-0.003	0.003			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01797	mg/L	89.9	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05076	mg/L	101.5	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0015	0.0015			
WG239291PBS	PBS	01/29/08 3:36				.00092	mg/L		-0.0015	0.0015			
L67184-01DUP	DUP	01/29/08 3:49			.0023	.00305	mg/L				28	20	RA
L67184-03SDL	SDL	01/29/08 4:09			.0032	.0043	mg/L				34.4	10	ZB
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.0032	.05064	mg/L	94.9	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.0032	.04965	mg/L	92.9	75	125	1.97	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05093	mg/L	101.9	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0015	0.0015			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.05034	mg/L	100.7	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0015	0.0015			

Copper, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.0511	mg/L	102.2	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0015	0.0015			
WG239598ICSA	ICSA	01/24/08 18:47				U	mg/L		-0.003	0.003			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01748	mg/L	87.4	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.9	0.9			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	83		73.4	mg/Kg		64.9	101			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	83		71.3	mg/Kg		64.9	101	2.9	20	E6
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05165	mg/L	103.3	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0015	0.0015			
L67184-09SDL	SDL	01/24/08 20:41			4.4	4	mg/Kg				9.1	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	3.5	25.55	mg/Kg	88.2	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	3.5	26.04	mg/Kg	90.2	75	125	1.9	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05059	mg/L	101.2	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0015	0.0015			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Iron (1312) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239659													
WG239659ICV	ICV	01/26/08 0:05	II080115-1	2		1.934	mg/L	96.7	90	110			
WG239659ICB	ICB	01/26/08 0:08				U	mg/L		-0.06	0.06			
WG239659PQV	PQV	01/26/08 0:12	II080113-2	.05		.058	mg/L	116	70	130			
WG239659ICSABI	ICSAB	01/26/08 0:16	II080103-1	99.4		90.841	mg/L	91.4	80	120			
WG239291PBS	PBS	01/26/08 0:23				U	mg/L		-0.06	0.06			
L67184-01DUP	DUP	01/26/08 0:30			.15	.098	mg/L				41.9	20	RA
L67184-02SDL	SDL	01/26/08 0:37			U	U	mg/L					10	
L67184-02MS	MS	01/26/08 0:41	II080103-3	1	U	1.054	mg/L	105.4	75	125			
L67184-02MSD	MSD	01/26/08 0:45	II080103-3	1	U	1.067	mg/L	106.7	75	125	1.23	20	
WG239659CCV1	CCV	01/26/08 0:48	II080115-2	1		.987	mg/L	98.7	90	110			
WG239659CCB1	CCB	01/26/08 0:52				U	mg/L		-0.06	0.06			
WG239659CCV2	CCV	01/26/08 1:25	II080115-2	1		.984	mg/L	98.4	90	110			
WG239659CCB2	CCB	01/26/08 1:28				U	mg/L		-0.06	0.06			

Iron, total (3050) M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239477													
WG239477ICV	ICV	01/23/08 0:53	II080115-3	2		1.989	mg/L	99.5	90	110			
WG239477ICB	ICB	01/23/08 0:56				U	mg/L		-0.06	0.06			
WG239477PQV	PQV	01/23/08 0:59	II080113-2	.05		.051	mg/L	102	70	130			
WG239477ICSAB	ICSAB	01/23/08 1:03	II080103-1	99.4		91.273	mg/L	91.8	80	120			
WG239410PBS	PBS	01/23/08 1:09				2.2	mg/Kg		-6	6			
WG239410LCSS	LCSS	01/23/08 1:13	PCN28392	16700		17558.4	mg/Kg		8880	24400			
WG239410LCSSD	LCSSD	01/23/08 1:16	PCN28392	16700		17182.6	mg/Kg		8880	24400	2.2	20	
WG239477CCV1	CCV	01/23/08 1:43	II080115-4	1		1.047	mg/L	104.7	90	110			
WG239477CCB1	CCB	01/23/08 1:46				U	mg/L		-0.06	0.06			
L67184-09SDL	SDL	01/23/08 2:20			5870	6470.5	mg/Kg				10.2	10	ZH
WG239477CCV2	CCV	01/23/08 2:23	II080115-4	1		1.01	mg/L	101	90	110			
WG239477CCB2	CCB	01/23/08 2:26				U	mg/L		-0.06	0.06			
L67184-09MS	MS	01/23/08 2:30	II080103-3	100	5870	6895	mg/Kg	1025	75	125			M3
L67184-09MSD	MSD	01/23/08 2:33	II080103-3	100	5870	7021.5	mg/Kg	1151.5	75	125	1.82	20	M3
WG239477CCV3	CCV	01/23/08 2:40	II080115-4	1		1.041	mg/L	104.1	90	110			
WG239477CCB3	CCB	01/23/08 2:43				U	mg/L		-0.06	0.06			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Lead (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.04861	mg/L	97.2	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0003	0.0003			
WG239637ICSA	ICSA	01/29/08 2:18		.00021		.00021	mg/L		-0.0005	0.0005			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01838	mg/L	91.9	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.04815	mg/L	96.3	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0003	0.0003			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0003	0.0003			
L67184-01DUP	DUP	01/29/08 3:49			.0005	.00042	mg/L				17.4	20	RA
L67184-03SDL	SDL	01/29/08 4:09			.0003	U	mg/L				66.7	10	ZB
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.0003	.04638	mg/L	92.2	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.0003	.04463	mg/L	88.7	75	125	3.85	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.04828	mg/L	96.6	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0003	0.0003			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.04745	mg/L	94.9	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0003	0.0003			

Lead, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.0504	mg/L	100.8	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0003	0.0003			
WG239598ICSA	ICSA	01/24/08 18:47		.00014		.00014	mg/L		-0.0005	0.0005			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01929	mg/L	96.5	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.15	0.15			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	120		105.6	mg/Kg		94.1	145			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	120		108.85	mg/Kg		94.1	145	3	20	
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05056	mg/L	101.1	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/24/08 20:41			14.9	14.61	mg/Kg				1.9	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	4.53	27.945	mg/Kg	93.7	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	4.53	28.005	mg/Kg	93.9	75	125	0.21	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.04994	mg/L	99.9	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0003	0.0003			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Mercury (1312) M7470A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239367													
WG239367ICV	ICV	01/24/08 10:32	II080116-3	.00501		.00497	mg/L	99.2	95	105			
WG239367ICB	ICB	01/24/08 10:35				U	mg/L		-0.0002	0.0002			
WG239417													
WG239417CCV1	CCV	01/24/08 12:10	II080116-3	.00501		.0049	mg/L	97.8	90	110			
WG239417CCB1	CCB	01/24/08 12:12				U	mg/L		-0.0006	0.0006			
WG239417PBW	PBW	01/24/08 12:14				U	mg/L		-0.00044	0.00044			
WG239417LCSW	LCSW	01/24/08 12:16	II080116-3	.00501		.0051	mg/L	101.8	85	115			
WG239291PBS	PBS	01/24/08 12:18				U	mg/Kg		-0.0006	0.0006			
L67184-01DUP	DUP	01/24/08 12:22			U	U	mg/L				0	20	RA
L67184-02MS	MS	01/24/08 12:27	II080109-2	.002	U	.00195	mg/L	97.5	85	115			
L67184-02MSD	MSD	01/24/08 12:29	II080109-2	.002	U	.00194	mg/L	97	85	115	0.51	20	
WG239417CCV2	CCV	01/24/08 12:36	II080116-3	.00501		.00485	mg/L	96.8	90	110			
WG239417CCB2	CCB	01/24/08 12:38				U	mg/L		-0.0006	0.0006			
WG239417CCV3	CCV	01/24/08 12:55	II080116-3	.00501		.00484	mg/L	96.6	90	110			
WG239417CCB3	CCB	01/24/08 12:58				U	mg/L		-0.0006	0.0006			

Mercury, total M7471A CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239051													
WG239051ICV	ICV	01/15/08 13:13	II080111-2	.01002		.00999	mg/L	99.7	90	110			
WG239051ICB	ICB	01/15/08 13:16				.00033	mg/L		-0.0006	0.0006			
WG239051PBS	PBS	01/15/08 13:18				U	mg/Kg		-0.12	0.12			
WG239051LCSS	LCSS	01/15/08 13:21	PCN27491	8.28		7.55	mg/Kg		5.47	11			
WG239051LCSSD	LCSSD	01/15/08 13:23	PCN27491	8.28		7.77	mg/Kg		5.47	11	2.9	20	
L67184-01MS	MS	01/15/08 13:28	II080111-5	1.145	.12	1.251	mg/Kg	98.8	85	115			
L67184-01MSD	MSD	01/15/08 13:31	II080111-5	1.16	.12	1.19	mg/Kg	92.2	85	115	5	20	
WG239051CCV1	CCV	01/15/08 13:43	II080111-2	.01002		.01021	mg/L	101.9	90	110			
WG239051CCB1	CCB	01/15/08 13:46				U	mg/L		-0.0006	0.0006			
WG239051CCV2	CCV	01/15/08 14:00	II080111-2	.01002		.01013	mg/L	101.1	90	110			
WG239051CCB2	CCB	01/15/08 14:02				.00031	mg/L		-0.0006	0.0006			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Nickel (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.05219	mg/L	104.4	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0018	0.0018			
WG239637ICSA	ICSA	01/29/08 2:18				U	mg/L		-0.003	0.003			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01842	mg/L	92.1	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05283	mg/L	105.7	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0018	0.0018			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0018	0.0018			
L67184-01DUP	DUP	01/29/08 3:49			.0008	U	mg/L				200	20	RA
L67184-03SDL	SDL	01/29/08 4:09			.0007	U	mg/L					10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.0007	.04949	mg/L	97.6	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.0007	.04833	mg/L	95.3	75	125	2.37	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05299	mg/L	106	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0018	0.0018			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.05243	mg/L	104.9	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0018	0.0018			

Nickel, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05158	mg/L	103.2	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0018	0.0018			
WG239598ICSA	ICSA	01/24/08 18:47		.00069		.00069	mg/L		-0.003	0.003			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01809	mg/L	90.5	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.9	0.9			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	102		94.1	mg/Kg		81	123			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	102		90.2	mg/Kg		81	123	4.2	20	E6
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05219	mg/L	104.4	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0018	0.0018			
L67184-09SDL	SDL	01/24/08 20:41			2.1	2.1	mg/Kg				0	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	3.5	25.96	mg/Kg	89.8	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	3.5	26.4	mg/Kg	91.6	75	125	1.68	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.0516	mg/L	103.2	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0018	0.0018			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Selenium (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.05244	mg/L	104.9	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0003	0.0003			
WG239637ICSA	ICSA	01/29/08 2:18		.00033		.00033	mg/L		-0.0005	0.0005			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01984	mg/L	99.2	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05243	mg/L	104.9	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0003	0.0003			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0003	0.0003			
L67184-01DUP	DUP	01/29/08 3:49			.0038	.004	mg/L				5.1	20	
L67184-03SDL	SDL	01/29/08 4:09			.0042	.00415	mg/L				1.2	10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.0042	.0506	mg/L	92.8	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.0042	.05144	mg/L	94.5	75	125	1.65	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05121	mg/L	102.4	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0003	0.0003			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.05173	mg/L	103.5	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0003	0.0003			

Selenium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05236	mg/L	104.7	90	110			
WG239598ICB	ICB	01/24/08 18:40				.00012	mg/L		-0.0003	0.0003			
WG239598ICSA	ICSA	01/24/08 18:47				U	mg/L		-0.0005	0.0005			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01862	mg/L	93.1	80	120			
WG239410PBS	PBS	01/24/08 19:08				.076	mg/Kg		-0.15	0.15			E6
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	138		140.9	mg/Kg		107	169			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	138		131.95	mg/Kg		107	169	6.6	20	E6
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05073	mg/L	101.5	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/24/08 20:41			22.4	24.935	mg/Kg				11.3	10	ZH
L67184-10MS	MS	01/24/08 20:55	MS071113-7	12.5	.21	10.695	mg/Kg	83.9	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	12.5	.21	11.44	mg/Kg	89.8	75	125	6.73	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05196	mg/L	103.9	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0003	0.0003			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Silver (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.02		.02119	mg/L	106	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.00015	0.00015			
WG239637ICSA	ICSA	01/29/08 2:18		.000088		.000088	mg/L		-0.0003	0.0003			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.01		.009289	mg/L	92.9	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.02		.02085	mg/L	104.3	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.00015	0.00015			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.00015	0.00015			
L67184-01DUP	DUP	01/29/08 3:49			U	U	mg/L				0	20	RA
L67184-03SDL	SDL	01/29/08 4:09			U	U	mg/L					10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.01	U	.009419	mg/L	94.2	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.01	U	.009253	mg/L	92.5	75	125	1.78	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.02		.02099	mg/L	105	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.00015	0.00015			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.02		.02075	mg/L	103.8	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.00015	0.00015			

Silver, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.02		.01994	mg/L	99.7	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.00015	0.00015			
WG239598ICSA	ICSA	01/24/08 18:47		.000071		.000071	mg/L		-0.0003	0.0003			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.01		.008673	mg/L	86.7	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.09	0.09			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	96.8		85.5	mg/Kg		64.2	129			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	96.8		88.3	mg/Kg		64.2	129	3.2	20	
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.02		.01976	mg/L	98.8	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.00015	0.00015			
L67184-09SDL	SDL	01/24/08 20:41			.06	U	mg/Kg					10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	5.015	.03	4.763	mg/Kg	94.4	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	5.015	.03	4.751	mg/Kg	94.1	75	125	0.25	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.02		.02	mg/L	100	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.00015	0.00015			

Solids, Percent CLPSOW390, PART F, D-98

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239201													
WG239201PBS	PBS	01/17/08 8:30				U	%		99.9	100.1			
L67184-01DUP	DUP	01/17/08 13:51			86.9	86.16	%				0.9	20	

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Thallium (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.05082	mg/L	101.6	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0003	0.0003			
WG239637ICSA	ICSA	01/29/08 2:18				U	mg/L		-0.0005	0.0005			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01801	mg/L	90.1	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05066	mg/L	101.3	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0003	0.0003			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0003	0.0003			
L67184-01DUP	DUP	01/29/08 3:49			U	U	mg/L				0	20	RA
L67184-03SDL	SDL	01/29/08 4:09			U	U	mg/L					10	
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	U	.04577	mg/L	91.5	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	U	.04425	mg/L	88.5	75	125	3.38	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.05088	mg/L	101.8	90	110			
WG239637CCB2	CCB	01/29/08 4:48				.0001	mg/L		-0.0003	0.0003			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.04988	mg/L	99.8	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0003	0.0003			

Thallium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05086	mg/L	101.7	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0003	0.0003			
WG239598ICSA	ICSA	01/24/08 18:47				U	mg/L		-0.0005	0.0005			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01906	mg/L	95.3	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.15	0.15			
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	170		145	mg/Kg		132	208			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	170		150.45	mg/Kg		132	208	3.7	20	
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05116	mg/L	102.3	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/24/08 20:41			.27	.28	mg/Kg				3.7	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	.06	22.32	mg/Kg	89	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	.06	22.68	mg/Kg	90.5	75	125	1.6	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05136	mg/L	102.7	90	110			
WG239598CCB2	CCB	01/24/08 21:15				.00025	mg/L		-0.0003	0.0003			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Uranium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05141	mg/L	102.8	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0003	0.0003			
WG239598ICSA	ICSA	01/24/08 18:47				U	mg/L		-0.0005	0.0005			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.02068	mg/L	103.4	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-0.15	0.15			
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05197	mg/L	103.9	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/24/08 20:41			146	146.075	mg/Kg				0.1	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	12.5	.41	12.77	mg/Kg	98.9	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	12.5	.41	12.855	mg/Kg	99.6	75	125	0.66	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05129	mg/L	102.6	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0003	0.0003			
WG239738													
WG239738ICV	ICV	01/29/08 10:11	MS080125-7	.05		.05139	mg/L	102.8	90	110			
WG239738ICB	ICB	01/29/08 10:17				U	mg/L		-0.0003	0.0003			
WG239738ICSA	ICSA	01/29/08 10:22				U	mg/L		-0.0005	0.0005			
WG239738ICSAB	ICSAB	01/29/08 10:28	MS071228-4	.02		.02124	mg/L	106.2	80	120			
WG239410PBS	PBS	01/29/08 10:40				U	mg/Kg		-0.15	0.15			
WG239738CCV1	CCV	01/29/08 11:31	MS080125-7	.05		.05148	mg/L	103	90	110			
WG239738CCB1	CCB	01/29/08 11:36				U	mg/L		-0.0003	0.0003			
L67184-09SDL	SDL	01/29/08 11:59			151	152.5	mg/Kg				1	10	
L67184-10MS	MS	01/29/08 12:10	MS100XSOI	12.5	U	13.2	mg/Kg	105.6	75	125			
L67184-10MSD	MSD	01/29/08 12:16	MS100XSOI	12.5	U	13.2	mg/Kg	105.6	75	125	0	20	
WG239738CCV2	CCV	01/29/08 12:22	MS080125-7	.05		.05159	mg/L	103.2	90	110			
WG239738CCB2	CCB	01/29/08 12:27				U	mg/L		-0.0003	0.0003			

Vanadium (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.04946	mg/L	98.9	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.0006	0.0006			
WG239637ICSA	ICSA	01/29/08 2:18				U	mg/L		-0.001	0.001			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.02		.01838	mg/L	91.9	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.05054	mg/L	101.1	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.0006	0.0006			
WG239291PBS	PBS	01/29/08 3:36				U	mg/L		-0.0006	0.0006			
L67184-01DUP	DUP	01/29/08 3:49			.0342	.04027	mg/L				16.3	20	
L67184-03SDL	SDL	01/29/08 4:09			.0064	.00435	mg/L				32	10	ZB
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05	.0064	.05499	mg/L	97.2	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05	.0064	.05413	mg/L	95.5	75	125	1.58	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.0513	mg/L	102.6	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.0006	0.0006			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.0507	mg/L	101.4	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.0006	0.0006			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Vanadium, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.05165	mg/L	103.3	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.0006	0.0006			
WG239598ICSA	ICSA	01/24/08 18:47				U	mg/L		-0.001	0.001			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.02		.01805	mg/L	90.3	80	120			
WG239410PBS	PBS	01/24/08 19:08				2.67	mg/Kg		-0.3	0.3			B7
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	129		129.6	mg/Kg		99.5	159			
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	129		125	mg/Kg		99.5	159	3.6	20	
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.05266	mg/L	105.3	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.0006	0.0006			
L67184-09SDL	SDL	01/24/08 20:41			149	151.8	mg/Kg				1.9	10	
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25	16.1	39.7	mg/Kg	94.4	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25	16.1	40.21	mg/Kg	96.4	75	125	1.28	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.05195	mg/L	103.9	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.0006	0.0006			
WG239810													
WG239810ICV	ICV	01/31/08 1:18	MS080125-7	.05		.04744	mg/L	94.9	90	110			
WG239810ICB	ICB	01/31/08 1:24				U	mg/L		-0.0006	0.0006			
WG239810ICSA	ICSA	01/31/08 1:29				U	mg/L		-0.001	0.001			
WG239810ICSAB	ICSAB	01/31/08 1:35	MS071228-4	.02		.0175	mg/L	87.5	80	120			
WG239410PBS	PBS	01/31/08 1:46				1.2	mg/Kg		-0.3	0.3			B7 BF
WG239410LCSS	LCSS	01/31/08 1:52	PCN28392	129		125.4	mg/Kg		99.5	159			
WG239410LCSSD	LCSSD	01/31/08 1:58	PCN28392	129		125.5	mg/Kg		99.5	159	0.1	20	
L67184-01SDL	SDL	01/31/08 2:09			40	U	mg/Kg					10	
WG239810CCV1	CCV	01/31/08 2:26	MS080125-7	.05		.05033	mg/L	100.7	90	110			
WG239810CCB1	CCB	01/31/08 2:31				U	mg/L		-0.0006	0.0006			
L67184-10MS	MS	01/31/08 3:16	MS500XSOI	25	U	U	mg/Kg	0	75	125			MD
L67184-10MSD	MSD	01/31/08 3:22	MS500XSOI	25	U	10	mg/Kg	40	75	125		20	MD
WG239810CCV2	CCV	01/31/08 3:27	MS080125-7	.05		.04986	mg/L	99.7	90	110			
WG239810CCB2	CCB	01/31/08 3:33				U	mg/L		-0.0006	0.0006			

Zinc (1312) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239637													
WG239637ICV	ICV	01/29/08 2:05	MS071226-2	.05		.0508	mg/L	101.6	90	110			
WG239637ICB	ICB	01/29/08 2:11				U	mg/L		-0.006	0.006			
WG239637ICSA	ICSA	01/29/08 2:18		.0037		.0037	mg/L		-0.01	0.01			
WG239637ICSAB	ICSAB	01/29/08 2:24	MS071228-4	.020004		.0212	mg/L	106	80	120			
WG239637CCV1	CCV	01/29/08 3:23	MS071226-2	.05		.051	mg/L	102	90	110			
WG239637CCB1	CCB	01/29/08 3:30				U	mg/L		-0.006	0.006			
WG239291PBS	PBS	01/29/08 3:36				.0047	mg/L		-0.006	0.006			
L67184-01DUP	DUP	01/29/08 3:49			.006	.0081	mg/L				29.8	20	RA
L67184-03SDL	SDL	01/29/08 4:09			.01	.0155	mg/L				55	10	ZB
L67184-03MS	MS	01/29/08 4:15	MS071228-3	.05001	.01	.0548	mg/L	89.6	75	125			
L67184-03MSD	MSD	01/29/08 4:22	MS071228-3	.05001	.01	.0531	mg/L	86.2	75	125	3.15	20	
WG239637CCV2	CCV	01/29/08 4:42	MS071226-2	.05		.0508	mg/L	101.6	90	110			
WG239637CCB2	CCB	01/29/08 4:48				U	mg/L		-0.006	0.006			
WG239637CCV3	CCV	01/29/08 5:27	MS071226-2	.05		.051	mg/L	102	90	110			
WG239637CCB3	CCB	01/29/08 5:34				U	mg/L		-0.006	0.006			

Scientific Applications Int'l Corp.
Project ID:

ACZ Project ID: ***L67184***

Zinc, total (3050) M6020 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG239598													
WG239598ICV	ICV	01/24/08 18:34	MS080125-7	.05		.052	mg/L	104	90	110			
WG239598ICB	ICB	01/24/08 18:40				U	mg/L		-0.006	0.006			
WG239598ICSA	ICSA	01/24/08 18:47		.0045		.0045	mg/L		-0.01	0.01			
WG239598ICSAB	ICSAB	01/24/08 18:54	MS071228-4	.020004		.0199	mg/L	99.5	80	120			
WG239410PBS	PBS	01/24/08 19:08				U	mg/Kg		-3	3			E6
WG239410LCSS	LCSS	01/24/08 19:14	PCN28392	117		111	mg/Kg		92.5	142			E6
WG239410LCSSD	LCSSD	01/24/08 19:21	PCN28392	117		116	mg/Kg		92.5	142	4.4	20	E6
WG239598CCV1	CCV	01/24/08 20:08	MS080125-7	.05		.0514	mg/L	102.8	90	110			
WG239598CCB1	CCB	01/24/08 20:14				U	mg/L		-0.006	0.006			
L67184-09SDL	SDL	01/24/08 20:41			12	14	mg/Kg				16.7	10	ZB
L67184-10MS	MS	01/24/08 20:55	MS071113-7	25.005	16	37	mg/Kg	84	75	125			
L67184-10MSD	MSD	01/24/08 21:02	MS071113-7	25.005	16	37.1	mg/Kg	84.4	75	125	0.27	20	
WG239598CCV2	CCV	01/24/08 21:08	MS080125-7	.05		.052	mg/L	104	90	110			
WG239598CCB2	CCB	01/24/08 21:15				U	mg/L		-0.006	0.006			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

Scientific Applications Int'l Corp. ACZ Project ID: ***L67184***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L67184-01	WG239637	Aluminum (1312)	M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239810	Aluminum, total (3050)	M6020 ICP-MS	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			M6020 ICP-MS	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG239637	Antimony (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG239738	Barium, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
	WG239637	Beryllium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Beryllium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239637	Cadmium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chromium (1312)	M6020 ICP-MS	B5	Target analyte detected in prep / method blank at or above the method reporting limit, but below trigger level or MCL.
			M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Cobalt (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Cobalt, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
	WG239637	Copper (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239659	Iron (1312)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239477	Iron, total (3050)	M6010B ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG239637	Lead (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239417	Mercury (1312)	M7470A CVAA	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239637	Nickel (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Selenium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.

Scientific Applications Int'l Corp. ACZ Project ID: ***L67184***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
	WG239637	Silver (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Thallium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Vanadium (1312)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239810	Vanadium, total (3050)	M6020 ICP-MS	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			M6020 ICP-MS	MD	The spike recovery (and spike duplicate RPD, if applicable) was not used for data validation because the concentration of the sample and/or the spike was less than the reporting limit.
	WG239637	Zinc (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239598	Zinc, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Scientific Applications Int'l Corp. ACZ Project ID: ***L67184***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L67184-02	WG239637	Aluminum (1312)	M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239810	Aluminum, total (3050)	M6020 ICP-MS	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			M6020 ICP-MS	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG239637	Antimony (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG239637	Beryllium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Beryllium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239637	Cadmium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chromium (1312)	M6020 ICP-MS	B5	Target analyte detected in prep / method blank at or above the method reporting limit, but below trigger level or MCL.
			M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Cobalt (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Cobalt, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
	WG239637	Copper (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239659	Iron (1312)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239477	Iron, total (3050)	M6010B ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG239637	Lead (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239417	Mercury (1312)	M7470A CVAA	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239637	Nickel (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Selenium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG239637	Silver (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data

Scientific Applications Int'l Corp. ACZ Project ID: ***L67184***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
					validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Thallium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Vanadium (1312)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239810	Vanadium, total (3050)	M6020 ICP-MS	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			M6020 ICP-MS	MD	The spike recovery (and spike duplicate RPD, if applicable) was not used for data validation because the concentration of the sample and/or the spike was less than the reporting limit.
	WG239637	Zinc (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239598	Zinc, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Scientific Applications Int'l Corp. ACZ Project ID: ***L67184***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L67184-03	WG239637	Aluminum (1312)	M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239810	Aluminum, total (3050)	M6020 ICP-MS	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			M6020 ICP-MS	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG239637	Antimony (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG239637	Beryllium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Beryllium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239637	Cadmium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chromium (1312)	M6020 ICP-MS	B5	Target analyte detected in prep / method blank at or above the method reporting limit, but below trigger level or MCL.
			M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Cobalt (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Cobalt, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
	WG239637	Copper (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239659	Iron (1312)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239477	Iron, total (3050)	M6010B ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG239637	Lead (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239417	Mercury (1312)	M7470A CVAA	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239637	Nickel (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Selenium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG239637	Silver (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data

Scientific Applications Int'l Corp. ACZ Project ID: ***L67184***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
					validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Thallium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Vanadium (1312)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239810	Vanadium, total (3050)	M6020 ICP-MS	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			M6020 ICP-MS	MD	The spike recovery (and spike duplicate RPD, if applicable) was not used for data validation because the concentration of the sample and/or the spike was less than the reporting limit.
	WG239637	Zinc (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239598	Zinc, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.

Scientific Applications Int'l Corp. ACZ Project ID: ***L67184***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L67184-04	WG239637	Aluminum (1312)	M6020 ICP-MS	RD	For a solid matrix, the duplicate RPD (spike or matrix) exceeded the control limit, which is attributable to the non-homogeneity of the sample.
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239810	Aluminum, total (3050)	M6020 ICP-MS	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			M6020 ICP-MS	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG239637	Antimony (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Antimony, total (3050)	M6020 ICP-MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG239637	Beryllium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Beryllium, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239637	Cadmium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chromium (1312)	M6020 ICP-MS	B5	Target analyte detected in prep / method blank at or above the method reporting limit, but below trigger level or MCL.
			M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Cobalt (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Cobalt, total (3050)	M6020 ICP-MS	N1	See Case Narrative.
	WG239637	Copper (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239659	Iron (1312)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239477	Iron, total (3050)	M6010B ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG239637	Lead (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239417	Mercury (1312)	M7470A CVAA	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239637	Nickel (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG239598	Selenium, total (3050)	M6020 ICP-MS	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
	WG239637	Silver (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data

Scientific Applications Int'l Corp. ACZ Project ID: ***L67184***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
					validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Thallium (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Vanadium (1312)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239598	Vanadium, total (3050)	M6020 ICP-MS	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
	WG239637	Zinc (1312)	M6020 ICP-MS	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
			M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.
	WG239598	Zinc, total (3050)	M6020 ICP-MS	ZB	The ICP-MS Serial Dilution was not used for data validation because the sample concentration was less than 100 times the MDL.