



Friday, February 25, 2011

Phil Cavendor
AUC, LLC
1536 Cole Blvd
Suite 330
Lakewood, CO 80401

RE: Reno Creek Project

Order No.: S1011071

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples OM5 on November 3, 2010.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lacey Ketron
Project Manager

xc: File
Encl.



Date: 2/25/2011

CLIENT: AUC LLC
Project: Reno Creek Project
Lab Order: S1011071

CASE NARRATIVE
Report ID: S1011071004
(Replaces S1011071003)

Sample OM5 was received on November 3, 2010.

All samples were received and analyzed within the EPA recommended holding times, except those noted in this case narrative. Samples were analyzed using the methods outlined in the following references:

U.S.E.P.A. 600 "Methods for Chemical Analysis of Water and Wastes", 1993
"Standard Methods For The Examination of Water and Wastewater", 20th ed., 1998
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
Methods indicated with the Monday, March 12, 2007 Federal Register, 40 CFR Part 122, 136 et al.

All Quality Control parameters met the acceptance criteria defined by EPA and Inter-Mountain Laboratories except as indicated in this case narrative.

For the purposes of this report, the Reporting Limit (RL) is the Practical Quantitation Limit (PQL).

Radon 222 was analyzed through ALS Laboratory Group Certification #: CO00078.

Qualifiers by sample

S1011071-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory

Qualifiers by sample

LCS - General Parameters/Radon-222 - Analyzed by a contract laboratory
MBLK - General Parameters/Radon-222 - Analyzed by a contract laboratory

Reviewed by:

Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

CLIENT: AUC LLC
1536 Cole Blvd
Suite 330
Lakewood, CO 80401

Date Reported: 2/25/2011
Report ID: S1011071004
(Replaces S1011071003)

Project: Reno Creek Project
Lab ID: S1011071-001
Client Sample ID: OM5
COC: 003

Work Order: S1011071
Collection Date: 11/1/2010 2:45:00 PM
Date Received: 11/3/2010 9:53:00 AM
Sampler: TN
Matrix: Water

Table with 7 columns: Analyses, Result, RL, Qual, Units, Date Analyzed/Init, Method

Table containing Field parameters such as pH Reading, Conductivity Reading, Turbidity Reading, Dissolved Oxygen Reading, Temperature Reading, and Oxygen Reduction Potential Reading.

Table containing General Parameters such as pH, Electrical Conductivity, Total Dissolved Solids, Solids, Alkalinity, Nitrogen, Radon-222, and Silica as SiO2.

These results apply only to the samples tested.

RL - Reporting Limit

- Qualifiers: * Value exceeds Maximum Contaminant Level, C Calculated Value, H Holding times for preparation or analysis exceeded, L Analyzed by a contract laboratory, ND Not Detected at the Reporting Limit, S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank, E Value above quantitation range, J Analyte detected below quantitation limits, M Value exceeds Monthly Ave or MCL, O Outside the Range of Dilutions

Reviewed by: [Signature]
Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

CLIENT: AUC LLC
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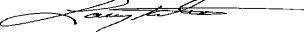
Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
Anions						
Alkalinity, Bicarbonate as HCO3	150	5		mg/L	11/04/2010 1615 KO	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	11/04/2010 1615 KO	SM 2320B
Chloride	7	1		mg/L	11/04/2010 2249 KO	EPA 300.0
Fluoride	0.2	0.1		mg/L	11/04/2010 1615 KO	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1		mg/L	11/12/2010 1149 AS	EPA 353.2
Sulfate	761	1		mg/L	11/04/2010 2249 KO	EPA 300.0
Cations						
Calcium	131	1		mg/L	11/12/2010 1536 MS	EPA 200.7
Magnesium	24	1		mg/L	11/12/2010 1536 MS	EPA 200.7
Potassium	8	1		mg/L	11/12/2010 1536 MS	EPA 200.7
Sodium	256	1		mg/L	11/03/2010 1858 DG	EPA 200.7
Cation / Anion Balance						
Cation Sum	19.87	0		meq/L	11/16/2010 946 LJK	SM 1030E
Anion Sum	18.50	0		meq/L	11/16/2010 946 LJK	SM 1030E
Cation-Anion Balance	3.55	0		%	11/16/2010 946 LJK	SM 1030E
Radiochemistry						
Gross Alpha	3.5 ± 2.0	2		pCi/L	11/14/2010 2244 SH	SM 7110B
Gross Beta	5.7 ± 3.5	3		pCi/L	11/14/2010 2244 SH	SM 7110B
Lead 210 (Dissolved)	<1	1		pCi/L	11/19/2010 1347 SH	OTW01
Lead 210 (Suspended)	<1	1		pCi/L	11/19/2010 1608 SH	OTW01
Polonium 210 (Dissolved)	1.0 ± 0.8	1		pCi/L	11/19/2010 938 SH	OTW01
Polonium 210 (Suspended)	<1	1		pCi/L	11/19/2010 1052 SH	OTW01
Radium 226 (Dissolved)	0.6 ± 0.1	0.2		pCi/L	11/17/2010 1047 SH	SM 7500-Ra B
Radium 226 (Suspended)	<0.2	0.2		pCi/L	11/18/2010 948 SH	SM 7500-Ra B
Radium 228 (Dissolved)	<1	1		pCi/L	11/17/2010 2015 SH	Ra-05
Thorium 230 (Dissolved)	<0.2	0.2		pCi/L	11/16/2010 1149 WL	ACW10
Thorium 230 (Suspended)	<0.2	0.2		pCi/L	11/19/2010 924 WL	ACW10
Uranium Suspended	<0.0003	0.0003		mg/L	11/09/2010 1431 MS	EPA 200.8

These results apply only to the samples tested.

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 - ND Not Detected at the Reporting Limit
 - S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: 
Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

CLIENT: AUC LLC
1536 Cole Blvd
Suite 330
Lakewood, CO 80401

Date Reported: 2/25/2011
Report ID: S1011071004
(Replaces S1011071003)

Project: Reno Creek Project
Lab ID: S1011071-001
Client Sample ID: OM5
COC: 003

Work Order: S1011071
Collection Date: 11/1/2010 2:45:00 PM
Date Received: 11/3/2010 9:53:00 AM
Sampler: TN
Matrix: Water

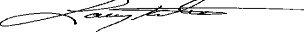
Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
Dissolved Metals						
Aluminum	ND	0.1		mg/L	11/03/2010 1858 DG	EPA 200.7
Arsenic	0.002	0.001		mg/L	11/03/2010 1604 MS	EPA 200.8
Barium	ND	0.1		mg/L	11/03/2010 1604 MS	EPA 200.8
Boron	ND	0.1		mg/L	11/03/2010 1858 DG	EPA 200.7
Cadmium	ND	0.001		mg/L	11/03/2010 1604 MS	EPA 200.8
Chromium	ND	0.01		mg/L	11/03/2010 1858 DG	EPA 200.7
Copper	ND	0.01		mg/L	11/03/2010 1604 MS	EPA 200.8
Iron	0.25	0.05		mg/L	11/03/2010 1858 DG	EPA 200.7
Lead	ND	0.01		mg/L	11/03/2010 1604 MS	EPA 200.8
Manganese	1.12	0.01		mg/L	11/03/2010 1858 DG	EPA 200.7
Mercury	ND	0.001		mg/L	11/09/2010 925 BK	EPA 245.1
Molybdenum	ND	0.01		mg/L	11/03/2010 1604 MS	EPA 200.8
Nickel	ND	0.05		mg/L	11/03/2010 1858 DG	EPA 200.7
Selenium	ND	0.005		mg/L	11/03/2010 1604 MS	EPA 200.8
Uranium	0.0011	0.0003		mg/L	11/03/2010 1604 MS	EPA 200.8
Vanadium	ND	0.1		mg/L	11/03/2010 1604 MS	EPA 200.8
Zinc	ND	0.01		mg/L	11/03/2010 1858 DG	EPA 200.7
Total Metals						
Iron	0.45	0.05		mg/L	11/04/2010 1720 DG	EPA 200.7
Manganese	1.16	0.01		mg/L	11/04/2010 1720 DG	EPA 200.7

These results apply only to the samples tested.

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 - ND Not Detected at the Reporting Limit
 - S Spike Recovery outside accepted recovery limits

RL - Reporting Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: 
Lacey Ketron, Water Lab Supervisor

**ANALYTICAL QC SUMMARY REPORT**

CLIENT: AUC LLC
Work Order: S1011071
Project: Reno Creek Project

Date: 2/25/2011
Report ID: S1011071004
 (Replaces S1011071003)

Test: **Alkalinity**Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	11/04/10 13:40	Alkalinity, Total (As CaCO3)	ND	5					

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	11/04/10 22:37	Alkalinity, Total (As CaCO3)	ND	5					

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	11/04/10 13:30	Alkalinity, Total (As CaCO3)	480	5	473		101	96.6 - 103	

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	11/04/10 22:27	Alkalinity, Total (As CaCO3)	483	5	473		102	96.6 - 103	

Test: **Conductivity**Sample Type **MBLK** Units: µmhos/cm

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	11/04/10 13:40	Electrical Conductivity	ND	5					

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	11/04/10 22:37	Electrical Conductivity	ND	5					

Sample Type **LCS** Units: µmhos/cm

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	11/04/10 13:30	Electrical Conductivity	1010	5	1000		101	95.2 - 105	

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	11/04/10 22:27	Electrical Conductivity	993	5	1000		99.3	95.2 - 105	

Test: **Dissolved Mercury by EPA 245.1 - Water**Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64777	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LRB	11/09/10 8:33	Mercury	ND	0.001					

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64777	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	11/09/10 8:31	Mercury	0.002	0.001	0.002		102	85 - 115	

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	L Analyzed by a contract laboratory	M Value exceeds Monthly Ave or MCL
	ND Not Detected at the Reporting Limit	O Outside the Range of Dilutions
	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1011071
Project: Reno Creek Project

Date: 2/25/2011
Report ID: S1011071004
(Replaces S1011071003)

Test: **Dissolved Metals by ICP - EPA 200.7 - Water**

Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64613	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ICB	11/03/10 14:56	Aluminum	ND	0.1					
		Boron	ND	0.03					
		Chromium	ND	0.01					
		Iron	ND	0.05					
		Manganese	ND	0.02					
		Nickel	ND	0.01					
		Zinc	ND	0.01					

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64613	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ICV Q	11/03/10 14:58	Aluminum	1.1	0.1	1		105	85 - 115	
		Boron	1.03	0.03	1		103	85 - 115	
		Chromium	1.04	0.01	1		104	85 - 115	
		Iron	1.02	0.05	1		102	85 - 115	
		Manganese	1.04	0.02	1		104	85 - 115	
		Nickel	1.02	0.01	1		102	85 - 115	
		Zinc	1.02	0.01	1		102	85 - 115	

Test: **Dissolved Metals by ICPMS EPA 200.8 - Water**

Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64603	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Init Cal Blank	11/03/10 13:12	Arsenic	ND	0.005					
		Barium	ND	0.5					
		Cadmium	ND	0.002					
		Copper	ND	0.01					
		Lead	ND	0.02					
		Molybdenum	ND	0.02					
		Selenium	ND	0.005					
		Uranium	ND	0.001					
Vanadium	ND	0.02							

- Qualifiers:**
- B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - L Analyzed by a contract laboratory
 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - M Value exceeds Monthly Ave or MCL
 - O Outside the Range of Dilutions
 - S Spike Recovery outside accepted recovery limits



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1011071
Project: Reno Creek Project

Date: 2/25/2011
Report ID: S1011071004
 (Replaces S1011071003)

Test: **Dissolved Metals by ICPMS EPA 200.8 - Water**

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64603	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
lcs	11/03/10 13:19	Arsenic	0.100	0.005	0.1		100	85 - 115	
		Barium	ND	0.5	0.1		101	85 - 115	
		Cadmium	0.102	0.002	0.1		102	85 - 115	
		Copper	0.10	0.01	0.1		99.0	85 - 115	
		Lead	0.10	0.02	0.1		97.5	85 - 115	
		Molybdenum	0.10	0.02	0.1		95.9	85 - 115	
		Selenium	0.097	0.005	0.1		97.4	85 - 115	
		Uranium	0.102	0.001	0.1		102	85 - 115	
		Vanadium	0.10	0.02	0.1		96.3	85 - 115	

Sample ID	RunNo: 64603	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
lcs	11/03/10 15:42	Arsenic	0.100	0.005	0.1		99.5	85 - 115	
		Barium	ND	0.5	0.1		102	85 - 115	
		Cadmium	0.103	0.002	0.1		103	85 - 115	
		Copper	0.10	0.01	0.1		103	85 - 115	
		Lead	0.10	0.02	0.1		96.1	85 - 115	
		Molybdenum	0.10	0.02	0.1		101	85 - 115	
		Selenium	0.094	0.005	0.1		93.8	85 - 115	
		Uranium	0.104	0.001	0.1		104	85 - 115	
		Vanadium	0.10	0.02	0.1		100	85 - 115	

Test: **Fluoride by SM 4500**

Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	11/04/10 13:40	Fluoride	ND	0.1					

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	11/04/10 22:37	Fluoride	ND	0.1					

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	11/04/10 13:30	Fluoride	2.9	0.1	2.82		103	86.1 - 114	

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	11/04/10 22:27	Fluoride	2.9	0.1	2.82		104	86.1 - 114	

- Qualifiers:**
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ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1011071
Project: Reno Creek Project

Date: 2/25/2011
Report ID: S1011071004
(Replaces S1011071003)

Test: **Gross Alpha, Beta by SM 7110B**

Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 64979	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB10-316	11/14/10 22:44	Gross Alpha	ND	2					
		Gross Beta	ND	3					

Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 64979	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS10-316ALPHA	11/14/10 22:44	Gross Alpha	64	2	69		93.3	72.6 - 137	
LCS10-316BETA	11/14/10 22:44	Gross Beta	118	3	130		91.3	72.6 - 137	

Test: **Anions by ION Chromatography**

Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64656	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK	11/04/10 0:00	Chloride	ND	1					
		Sulfate	ND	1					

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64656	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DIONEX	11/04/10 11:26	Chloride	28	1	30		92.4	90 - 110	
		Sulfate	160	1	150		106	90 - 110	

Test: **Cations by ICP (Method 200.7)**

Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64612	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ICB	11/03/10 14:56	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					
Sample ID	RunNo: 64911	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ICB	11/12/10 15:28	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

- Qualifiers:**
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CLIENT: AUC LLC
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Report ID: S1011071004
 (Replaces S1011071003)

Test: **Cations by ICP (Method 200.7)**Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64612	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ICV 3	11/03/10 15:01	Calcium	40	1	40		99.3	85 - 115	
		Magnesium	40	1	40		101	85 - 115	
		Potassium	42	1	40		104	85 - 115	
		Sodium	42	1	40		104	85 - 115	

Sample ID	RunNo: 64911	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ICV 3	11/12/10 15:33	Calcium	39	1	40		98.4	85 - 115	
		Magnesium	39	1	40		96.6	85 - 115	
		Potassium	40	1	40		98.8	85 - 115	
		Sodium	39	1	40		96.4	85 - 115	

Test: **Nitrogen, Ammonia (as N)**Sample Type **mbk** Units: mg/L

Sample ID	RunNo: 64967	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Blank	11/15/10 12:20	Nitrogen, Ammonia (As N)	ND	0.1					

Sample Type **ics** Units: mg/L

Sample ID	RunNo: 64967	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	11/15/10 12:22	Nitrogen, Ammonia (As N)	15.2	0.1	16		94.5	90 - 110	

Test: **Nitrogen, Nitrate-Nitrite (as N)**Sample Type **mbk** Units: mg/L

Sample ID	RunNo: 64906	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
blk	11/12/10 10:51	Nitrogen, Nitrate-Nitrite (as N)	ND	0.05					

Sample Type **ics** Units: mg/L

Sample ID	RunNo: 64906	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	11/12/10 10:53	Nitrogen, Nitrate-Nitrite (as N)	30.7	0.05	28.7		107	90 - 110	

Test: **Lead 210 and Polonium 210**Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 65284	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R65284	11/19/10 13:47	Lead 210 (Dissolved)	ND	1					

Sample ID	RunNo: 65284	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R65284	11/19/10 13:47	Lead 210 (Suspended)	ND	1					

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
L	Analyzed by a contract laboratory	M	Value exceeds Monthly Ave or MCL
ND	Not Detected at the Reporting Limit	O	Outside the Range of Dilutions
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1011071
Project: Reno Creek Project

Date: 2/25/2011
Report ID: S1011071004
(Replaces S1011071003)

Test: **Lead 210 and Polonium 210**

Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 65284	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB-R65284 11/19/10 9:38 Polonium 210 (Dissolved) ND 1

Sample ID	RunNo: 65284	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB-R65284 11/19/10 9:38 Polonium 210 (Suspended) ND 1

Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 65284	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS-R65284 11/19/10 13:47 Lead 210 (Dissolved) 12 1 11.1 105 50 - 150
Lead 210 (Suspended) 12 1 11.1 105 50 - 150

Sample ID	RunNo: 65284	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS-R65284 11/19/10 9:38 Polonium 210 (Dissolved) 17 1 15.1 113 50 - 150
Polonium 210 (Suspended) 17 1 15.1 113 50 - 150

Test: **Total Radium 228**

Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 65220	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB10-313 11/17/10 20:15 Radium 228 (Dissolved) ND 1

Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 65220	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS10-313 11/17/10 20:15 Radium 228 (Dissolved) 13 1 14.4 91.3 63.8 - 119

Test: **Radium 226 by SM 7500**

Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 65233	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB10-312 11/17/10 10:47 Radium 226 (Dissolved) ND 0.2

Sample ID	RunNo: 65241	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB10-316 11/18/10 9:48 Radium 226 (Suspended) ND 0.2

Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 65233	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS10-312 11/17/10 10:47 Radium 226 (Dissolved) 7.7 0.2 9.52 80.7 69.3 - 130

Sample ID	RunNo: 65241	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS10-316 11/18/10 9:48 Radium 226 (Suspended) 8.2 0.2 9.52 85.7 69.3 - 130

- Qualifiers:**
- B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - L Analyzed by a contract laboratory
 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - M Value exceeds Monthly Ave or MCL
 - O Outside the Range of Dilutions
 - S Spike Recovery outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT**

CLIENT: AUC LLC
Work Order: S1011071
Project: Reno Creek Project

Date: 2/25/2011
Report ID: S1011071004
 (Replaces S1011071003)

Test: Thorium 230 in WaterSample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 65042	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R65042	11/16/10 11:49	Thorium 230 (Dissolved)	ND	0.2					

Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 65042	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R65042	11/16/10 11:49	Thorium 230 (Dissolved)	14	0.2	12		114	50 - 150	

Sample Type **DUP** Units: pCi/L

Sample ID	RunNo: 65042	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1011071-001FDUP	11/16/10 11:49	Thorium 230 (Dissolved)	ND	0.2	ND	0		20	

Test: Radon 222 by SM7500-RNSample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 65462	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK	11/02/10 0:00	Radon-222	ND	50					L

Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 65462	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	11/02/10 0:00	Radon-222	21500	50	22500		95.4	75 - 125	L

Test: Silica as SiO2Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64615	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ICB	11/03/10 14:56	Silica as SiO2	ND	0.1					

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64615	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ICV Q	11/03/10 14:58	Silica as SiO2	2.1	0.1	2.14		98.3	85 - 115	

Test: Solids By SM 2540Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64685	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Air	11/03/10 14:00	Total Dissolved Solids (180)	ND	10					

Sample ID	RunNo: 64685	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Air	11/03/10 14:05	Total Dissolved Solids (180)	ND	10					

Sample ID	RunNo: 64685	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	11/03/10 14:10	Total Dissolved Solids (180)	ND	10					

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
L	Analyzed by a contract laboratory	M	Value exceeds Monthly Ave or MCL
ND	Not Detected at the Reporting Limit	O	Outside the Range of Dilutions
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1011071
Project: Reno Creek Project

Date: 2/25/2011
Report ID: S1011071004
(Replaces S1011071003)

Test: **Solids By SM 2540**

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64685	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Control	11/03/10 14:15	Total Dissolved Solids (180)	230	10	226		102	90 - 110	

Test: **Total (200.2) Metals by EPA 200.7 ICP - Water**

Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64657	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK 11/4 TOT -4623	11/04/10 17:11	Iron	ND	0.05					
		Manganese	ND	0.02					

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64657	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS 11/4 TOT -4623	11/04/10 17:13	Iron	0.51	0.05	0.5		101	85 - 115	
		Manganese	0.20	0.02	0.2		99.2	85 - 115	

Test: **Suspended Natural Uranium**

Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 64782	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Init Cal Blank	11/09/10 13:14	Uranium Suspended	ND	0.001					

Sample Type **LCS** Units: mg/L

Sample ID	RunNo: 64782	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
lcs	11/09/10 13:22	Uranium Suspended	0.099	0.001	0.1		99.0	90 - 110	

Test: **pH Water**

Sample Type **MBLK** Units: s.u.

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	11/04/10 13:40	pH	6.1	0.1					

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	11/04/10 22:37	pH	6.2	0.1					

Sample Type **LCS** Units: s.u.

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	11/04/10 13:30	pH	10.9	0.1	10.7		102	94.8 - 105	

Sample ID	RunNo: 64658	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	11/04/10 22:27	pH	10.5	0.1	10.7		98.3	94.8 - 105	

- Qualifiers:**
- B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - L Analyzed by a contract laboratory
 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - M Value exceeds Monthly Ave or MCL
 - O Outside the Range of Dilutions
 - S Spike Recovery outside accepted recovery limits



Inter-Mountain Labs, Inc.
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

All shaded fields must be completed.
 This is a legal document; any misrepresentation may be construed as fraud.

WEB 003

Client Name: **AUC, LLC** Project Identification: **Reno Creek Project** Project #: **2010-101** Sampler (Signature/Attestation of Authenticity): *Jim Shriver* Telephone #: **003**

Report Address: **pca vendor@bayswateruranium.com** Contact Name and Email: **Jim Shriver jshriver@treccorp.com**

Invoice Address: **AUC, LLC** Voice: **307-265-0696** FAX: **307-265-2498** Purchase Order #: **Quote #**

951 Werner Court Suite 395 Casper Wyoming 82601

ANALYSES / PARAMETERS: *(see attached tables)*

LAB ID	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	REMARKS
1	8/10/10	2:45	OMS	UD	10	Reserved in GIL Ann 11-2-10
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

LAB COMMENTS: Relinquished By (Signature/Printed): *Jim Shriver* DATE: **11-2-10** TIME: **9:53**

Received By (Signature/Printed): *Kathy Papp* DATE: **11-2-10** TIME: **9:53**

SHIPPING INFO **MATRIX CODES** **TURN AROUND TIMES** **COMPLIANCE INFORMATION** **ADDITIONAL REMARKS**

<input type="checkbox"/> UPS	<input checked="" type="checkbox"/> Water	WT	<input checked="" type="checkbox"/> Check desired service	Compliance Monitoring ?	Y / N
<input type="checkbox"/> Fed Express	Soil	SL	<input type="checkbox"/> Standard turnaround	Program (SDWA, NPDES, ...)	
<input type="checkbox"/> US Mail	Solid	SD	<input type="checkbox"/> RUSH - 5 Working Days	PWSID / Permit #	
<input type="checkbox"/> Hand Carried	Trip Blank	TB	<input type="checkbox"/> URGENT - < 2 Working Days	Chlorinated?	Y / N
<input type="checkbox"/> Other	Other	OT	<i>Rush & Urgent Surcharges will be applied</i>	Sample Disposal: Lab	