



Monday, January 16, 2012

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

RE: Reno Creek Project  
Orde

r No.: S1112271

Dear Phil Cavendor:

Inter-Mountain Laboratories received sample UM4-004-111214 on December 14, 2011.

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: 1/16/2012

**CLIENT:** AUC LLC  
**Project:** Reno Creek Project  
**Lab Order:** S1112271

**CASE NARRATIVE**  
**Report ID:** S1112271001

Sample UM4-004-111214 was received on December 14, 2011.

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

- S1112201-002 - Radiochemistry/Thorium 230 (Suspended) - RPD outside accepted recovery limits
- MB-R78554 - General Parameters/Radon-222 - Analyzed by a contract laboratory
- LCS-R78554 - General Parameters/Radon-222 - Analyzed by a contract laboratory
- S1112271-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory

Reviewed by:

Lacey Ketron, Water Lab Supervisor



### Sample Analysis Report

**Company:** AUC LLC  
 1536 Cole Blvd  
 Lakewood, CO 80401

**ProjectName:** Reno Creek Project  
**Lab ID:** S1112271-001  
**ClientSample ID:** UM4-004-111214  
**COC:** RC 08156

**Date Reported:** 1/16/2012  
**Report ID:** S1112271001

**WorkOrder:** S1112271  
**CollectionDate:** 12/14/2011 1:30:00 PM  
**DateReceived:** 12/14/2011 4:53:00 PM  
**FieldSampler:** TN  
**Matrix:** Water

#### Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init
<b>Field</b>						
pH Reading 1	7.96	s.u.			Field	12/14/2011 1:30:00 PM
pH Reading 2	7.97	s.u.			Field	12/14/2011 1:30:00 PM
pH Reading 3	7.98	s.u.			Field	12/14/2011 1:30:00 PM
Conductivity Reading 1	1285	µmhos/cm			Field	12/14/2011 1:30:00 PM
Conductivity Reading 2	1285	µmhos/cm			Field	12/14/2011 1:30:00 PM
Conductivity Reading 3	1296	µmhos/cm			Field	12/14/2011 1:30:00 PM
Turbidity Reading 1	3.0	NTU			Field	12/14/2011 1:30:00 PM
Turbidity Reading 2	2.7	NTU			Field	12/14/2011 1:30:00 PM
Turbidity Reading 3	1.9	NTU			Field	12/14/2011 1:30:00 PM
Dissolved Oxygen Reading 1	1.65	mg/L			Field	12/14/2011 1:30:00 PM
Dissolved Oxygen Reading 2	1.56	mg/L			Field	12/14/2011 1:30:00 PM
Dissolved Oxygen Reading 3	1.43	mg/L			Field	12/14/2011 1:30:00 PM
Temperature Reading 1	5.37	°C			Field	12/14/2011 1:30:00 PM
Temperature Reading 2	5.40	°C			Field	12/14/2011 1:30:00 PM
Temperature Reading 3	5.47	°C			Field	12/14/2011 1:30:00 PM
Oxygen Reduction Potential Reading	-216.0	mV			Field	12/14/2011 1:30:00 PM
Oxygen Reduction Potential Reading	-216.1	mV			Field	12/14/2011 1:30:00 PM
Oxygen Reduction Potential Reading	-217.4	mV			Field	12/14/2011 1:30:00 PM
Purge Rate Reading 1	250	ml/min			Field	12/14/2011 1:30:00 PM
Purge Rate Reading 2	250	ml/min			Field	12/14/2011 1:30:00 PM
Purge Rate Reading 3	250	ml/min			Field	12/14/2011 1:30:00 PM
Water Level Reading 1	155.60	Ft			Field	12/14/2011 1:30:00 PM
Water Level Reading 2	155.65	Ft			Field	12/14/2011 1:30:00 PM
Water Level Reading 3	155.75	Ft			Field	12/14/2011 1:30:00 PM

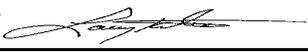
These results apply only to the samples tested.

#### 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:   
 Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401
ProjectName: Reno Creek Project
Lab ID: S1112271-001
ClientSample ID: UM4-004-111214
COC: RC 08156

Date Reported 1/16/2012
Report ID S1112271001
WorkOrder: S1112271
CollectionDate: 12/14/2011 1:30:00 PM
DateReceived: 12/14/2011 4:53:00 PM
FieldSampler: TN
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Anions/Cations (Alkalinity, Chloride, etc.), General Parameters (pH, Conductivity), and Data Quality (Cation Sum, Anion Sum, etc.).

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

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401
ProjectName: Reno Creek Project
Lab ID: S1112271-001
ClientSample ID: UM4-004-111214
COC: RC 08156

Date Reported: 1/16/2012
Report ID: S1112271001
WorkOrder: S1112271
CollectionDate: 12/14/2011 1:30:00 PM
DateReceived: 12/14/2011 4:53:00 PM
FieldSampler: TN
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Metals - Dissolved (Aluminum, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Uranium, Vanadium, Zinc) and Metals - Suspended (Uranium) and Metals - Total (Iron, Manganese).

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

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401
ProjectName: Reno Creek Project
Lab ID: S1112271-001
ClientSample ID: UM4-004-111214
COC: RC 08156

Date Reported 1/16/2012
Report ID S1112271001
WorkOrder: S1112271
CollectionDate: 12/14/2011 1:30:00 PM
DateReceived: 12/14/2011 4:53:00 PM
FieldSampler: TN
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Radionuclides - Dissolved (Gross Alpha, Lead 210, Polonium 210, Radium 226, Radium 228, Thorium 230) and Radionuclides - Suspended (Lead 210, Polonium 210, Radium 226, Thorium 230). Total radionuclides include Radon 222.

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



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Alkalinity**

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

Sample ID	RunNo: 78014	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	12/16/11 16:40	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo: 78014	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	12/16/11 16:30	Alkalinity, Total (As CaCO3)	588	5	601		97.8	90 - 110	

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

Sample ID	RunNo: 78014	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112262-001CD	12/16/11 18:27	Alkalinity, Bicarbonate as HCO3	ND	5	ND				
		Alkalinity, Carbonate as CO3	ND	5	ND				
		Alkalinity, Total (As CaCO3)	ND	5	ND				

**Conductivity**

Sample Type **MBLK** Units: µmhos/cm

Sample ID	RunNo: 78014	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	12/16/11 16:40	Electrical Conductivity	ND	5					

Sample Type **LCS** Units: µmhos/cm

Sample ID	RunNo: 78014	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	12/16/11 16:30	Electrical Conductivity	1070	5	1120		95.0	90 - 110	

Sample Type **DUP** Units: µmhos/cm

Sample ID	RunNo: 78014	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112262-001CD	12/16/11 18:27	Electrical Conductivity	753	5	ND				

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



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Dissolved Mercury by EPA 245.1 - Water**

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

Sample ID	RunNo: 78081	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LRB	12/20/11 8:42	Mercury	ND	0.001					

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

Sample ID	RunNo: 78081	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	12/20/11 8:40	Mercury	0.002	0.001	0.002		96.1	85 - 115	

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

Sample ID	RunNo: 78081	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112266-003D	12/20/11 9:04	Mercury	0.002	0.001	0.00244	ND	93.3	70 - 130	

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

Sample ID	RunNo: 78081	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1112266-003D	12/20/11 9:06	Mercury	0.002	0.001	0.002	0.867		20	

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

Sample ID	RunNo: 78081	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112266-003D	12/20/11 9:03	Mercury	ND	0.001	ND			20	

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

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Dissolved Metals by ICP - EPA 200.7 - Water**Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 78005	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	12/16/11 13:45	Aluminum	ND	0.1					
		Boron	ND	0.1					
		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: 78005	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	12/16/11 13:47	Aluminum	1.0	0.1	1		101	85 - 115	
		Boron	1.0	0.1	1		101	85 - 115	
		Chromium	1.03	0.01	1		103	85 - 115	
		Iron	1.03	0.05	1		103	85 - 115	
		Manganese	1.07	0.02	1		107	85 - 115	
		Nickel	1.05	0.01	1		105	85 - 115	
		Zinc	1.03	0.01	1		103	85 - 115	

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

Sample ID	RunNo: 78005	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112297-001DS	12/16/11 16:49	Aluminum	0.6	0.1	0.5	ND	107	70 - 130	
		Boron	0.6	0.1	0.5	ND	103	70 - 130	
		Chromium	0.53	0.01	0.5	ND	105	70 - 130	
		Iron	0.53	0.05	0.5	ND	100	70 - 130	
		Manganese	0.52	0.02	0.5	ND	104	70 - 130	
		Nickel	0.50	0.01	0.5	ND	100	70 - 130	
		Zinc	0.50	0.01	0.5	ND	99.9	70 - 130	

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

Sample ID	RunNo: 78005	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1112297-001DSD	12/16/11 16:52	Aluminum	0.6	0.1	0.6	0.508		20	
		Boron	0.6	0.1	0.6	1.21		20	
		Chromium	0.53	0.01	0.53	0.552		20	
		Iron	0.53	0.05	0.53	0.584		20	
		Manganese	0.52	0.02	0.52	0.251		20	
		Nickel	0.50	0.01	0.50	0.219		20	
		Zinc	0.50	0.01	0.50	0.781		20	

**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	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:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

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

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

Sample ID	RunNo: 78005	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112287-001BD	12/16/11 15:15	Aluminum	ND	0.1	ND			20	
		Boron	ND	0.1	ND			20	
		Chromium	ND	0.01	ND			20	
		Iron	ND	0.05	ND			20	
		Manganese	ND	0.02	ND			20	
		Nickel	ND	0.01	ND			20	
		Zinc	ND	0.01	ND			20	

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

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

Sample ID	RunNo: 77973	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	12/15/11 14:39	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					

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

Sample ID	RunNo: 77973	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	12/15/11 14:35	Arsenic	0.101	0.005	0.1		101	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		100	85 - 115	
		Lead	0.10	0.02	0.1		99.9	85 - 115	
		Molybdenum	0.10	0.02	0.1		101	85 - 115	
		Selenium	0.101	0.005	0.1		101	85 - 115	
		Uranium	0.100	0.001	0.1		100	85 - 115	
		Vanadium	0.10	0.02	0.1		98.4	85 - 115	

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



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

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

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

Sample ID	RunNo: 77973	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112271-001DS	12/15/11 21:14	Arsenic	1.15	0.005	1.1	0.008	104	70 - 130	
		Barium	1.1	0.5	1.1	ND	101	70 - 130	
		Cadmium	1.12	0.002	1.1	ND	102	70 - 130	
		Copper	1.07	0.01	1.1	ND	97.6	70 - 130	
		Lead	1.03	0.02	1.1	ND	93.4	70 - 130	
		Molybdenum	1.21	0.02	1.1	ND	110	70 - 130	
		Selenium	1.14	0.005	1.1	ND	104	70 - 130	
		Uranium	1.04	0.001	1.1	ND	94.8	70 - 130	
		Vanadium	1.12	0.02	1.1	ND	102	70 - 130	

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

Sample ID	RunNo: 77973	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1112271-001DMSD	12/15/11 21:18	Arsenic	1.15	0.005	1.15	0.167		20	
		Barium	1.1	0.5	1.1	0.554		20	
		Cadmium	1.12	0.002	1.12	0.211		20	
		Copper	1.07	0.01	1.07	0.292		20	
		Lead	1.03	0.02	1.03	0.711		20	
		Molybdenum	1.22	0.02	1.21	0.535		20	
		Selenium	1.14	0.005	1.14	0.221		20	
		Uranium	1.04	0.001	1.04	0.729		20	
		Vanadium	1.11	0.02	1.12	1.13		20	

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

Sample ID	RunNo: 77973	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112271-001DD	12/15/11 21:10	Arsenic	0.008	0.005	0.008	2.49		20	
		Barium	ND	0.5	ND			20	
		Cadmium	ND	0.002	ND			20	
		Copper	ND	0.01	ND			20	
		Lead	ND	0.02	ND			20	
		Molybdenum	ND	0.02	ND			20	
		Selenium	ND	0.005	ND			20	
		Uranium	ND	0.001	ND			20	
		Vanadium	ND	0.02	ND			20	

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



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Fluoride by SM 4500**

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

Sample ID	RunNo: 78014	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	12/16/11 16:40	Fluoride	ND	0.1					

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

Sample ID	RunNo: 78014	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	12/16/11 16:30	Fluoride	3.1	0.1	2.96		104	90 - 110	

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

Sample ID	RunNo: 78014	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112266-001ASPK	12/16/11 18:55	Fluoride	3.8	0.1	2.5	1.3	99.3	80 - 120	

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

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

Sample ID	RunNo: 78428	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-357	12/28/11 20:26	Gross Alpha (Dissolved)	ND	2					
		Gross Beta (Dissolved)	ND	3					

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

Sample ID	RunNo: 78428	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-357	12/28/11 20:26	Gross Alpha (Dissolved)	85	2	73.6		116	83 - 133	
		Gross Beta (Dissolved)	134	3	126		106	88 - 115	

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

Sample ID	RunNo: 78428	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112201-001FMS	12/28/11 20:26	Gross Alpha (Dissolved)	105	2	73.6	47	78.9	48 - 153	
		Gross Beta (Dissolved)	161	3	126	22	110	60 - 140	

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

Sample ID	RunNo: 78428	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112201-002FDUP	12/28/11 20:26	Gross Alpha (Dissolved)	27	2	30	7.47		20	
		Gross Beta (Dissolved)	14	3	13	5.44		20	

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



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Anions by ION Chromatography**

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

Sample ID	RunNo: 78010	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	12/16/11 14:13	Chloride	ND	1					
		Sulfate	ND	1					

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

Sample ID	RunNo: 78010	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DIONEX	12/16/11 13:45	Chloride	30	1	30		98.6	90 - 110	
		Sulfate	137	1	150		91.1	90 - 110	

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

Sample ID	RunNo: 78010	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112287-001ASPK	12/17/11 10:37	Chloride	40	1	30	8	107	80 - 120	
		Sulfate	483	1	240	211	113	80 - 120	

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

Sample ID	RunNo: 78010	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112287-001A	12/17/11 10:23	Chloride	8	1	8	2.24		20	
		Sulfate	208	1	211	1.78		20	

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

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

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

Sample ID	RunNo: 78004	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	12/16/11 13:45	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

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

Sample ID	RunNo: 78004	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	12/16/11 13:49	Calcium	41	1	40		103	85 - 115	
		Magnesium	42	1	40		106	85 - 115	
		Potassium	41	1	40		103	85 - 115	
		Sodium	39	1	40		97.2	85 - 115	

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

Sample ID	RunNo: 78004	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112284-005AS	12/16/11 14:49	Calcium	1010	1	550	526	88.4	70 - 130	
		Magnesium	742	1	550	182	102	70 - 130	
		Potassium	674	1	550	11	121	70 - 130	
		Sodium	2380	1	550	1970	75.4	70 - 130	

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

Sample ID	RunNo: 78004	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1112284-005ASD	12/16/11 14:52	Calcium	1020	1	1010	0.762		20	
		Magnesium	740	1	742	0.200		20	
		Potassium	674	1	674	0.0956		20	
		Sodium	2380	1	2380	0.173		20	

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

Sample ID	RunNo: 78004	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112284-004AD	12/16/11 14:45	Calcium	56	1	57	2.45		20	
		Magnesium	13	1	14	3.18		20	
		Potassium	3	1	3	4.31		20	
		Sodium	1030	1	1080	4.83		20	

**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	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:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Nitrogen, Ammonia (as N)**

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

Sample ID	RunNo: 78028	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	12/19/11 11:22	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 78028	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	12/19/11 11:24	Nitrogen, Ammonia (As N)	9.3	0.1	10		92.5	90 - 110	

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

Sample ID	RunNo: 78028	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112310-002B	12/19/11 11:56	Nitrogen, Ammonia (As N)	10.4	0.1	10	0.4	100	80 - 120	

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

Sample ID	RunNo: 78028	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112310-002B	12/19/11 11:55	Nitrogen, Ammonia (As N)	0.4	0.1	0.4	5.11		20	

**Nitrogen, Nitrate-Nitrite (as N)**

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

Sample ID	RunNo: 78106	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	12/20/11 15:36	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 78106	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	12/20/11 15:33	Nitrogen, Nitrate-Nitrite (as N)	2.3	0.1	2.31		98.6	90 - 110	

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

Sample ID	RunNo: 78106	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112273-001B	12/20/11 16:48	Nitrogen, Nitrate-Nitrite (as N)	8.25	0.05	10	ND	82.5	80 - 120	

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

Sample ID	RunNo: 78106	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112273-001B	12/20/11 16:47	Nitrogen, Nitrate-Nitrite (as N)	ND	0.05	ND			20	

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

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

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

Sample ID	RunNo: 78334	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
-----------	--------------	---------	--------	----	-------	----------	------	--------------	------

MB11-354	12/28/11 16:22	Lead 210 (Dissolved)	ND	1					
----------	----------------	----------------------	----	---	--	--	--	--	--

Sample ID	RunNo: 78334	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
-----------	--------------	---------	--------	----	-------	----------	------	--------------	------

MB11-354	12/29/11 9:59	Lead 210 (Suspended)	ND	1					
----------	---------------	----------------------	----	---	--	--	--	--	--

Sample ID	RunNo: 78335	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
-----------	--------------	---------	--------	----	-------	----------	------	--------------	------

MB11-354	12/27/11 13:30	Polonium 210 (Dissolved)	ND	1					
----------	----------------	--------------------------	----	---	--	--	--	--	--

Sample ID	RunNo: 78335	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
-----------	--------------	---------	--------	----	-------	----------	------	--------------	------

DMB11-354	12/27/11 13:30	Polonium 210 (Suspended)	ND	1					
-----------	----------------	--------------------------	----	---	--	--	--	--	--

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

Sample ID	RunNo: 78334	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
-----------	--------------	---------	--------	----	-------	----------	------	--------------	------

LCS1-354	12/28/11 9:24	Lead 210 (Dissolved)	13	1	12.8		104	67.6 - 131	
		Lead 210 (Suspended)	13	1	12.8		104	60.3 - 141	

Sample ID	RunNo: 78335	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
-----------	--------------	---------	--------	----	-------	----------	------	--------------	------

LCS11-354	12/27/11 13:30	Polonium 210 (Dissolved)	13	1	12.8		100	35.1 - 175	
		Polonium 210 (Suspended)	13	1	12.8		100	48.6 - 156	

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

Sample ID	RunNo: 78334	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
-----------	--------------	---------	--------	----	-------	----------	------	--------------	------

S1112298-001FMS	12/28/11 9:24	Lead 210 (Dissolved)	13	1	12.8	ND	102	66 - 133	
-----------------	---------------	----------------------	----	---	------	----	-----	----------	--

Sample ID	RunNo: 78335	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
-----------	--------------	---------	--------	----	-------	----------	------	--------------	------

S1112298-001FMS	12/27/11 13:30	Polonium 210 (Dissolved)	4	1	12.8	ND	27.8	20.9 - 160	
-----------------	----------------	--------------------------	---	---	------	----	------	------------	--

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

Sample ID	RunNo: 78334	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
-----------	--------------	---------	--------	----	----------	------	------	--------------	------

S1112201-001FDUP	12/28/11 9:24	Lead 210 (Suspended)	4	1	4	8.63		20	
------------------	---------------	----------------------	---	---	---	------	--	----	--

Sample ID	RunNo: 78335	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
-----------	--------------	---------	--------	----	----------	------	------	--------------	------

S1112201-001FDUP	12/27/11 13:30	Polonium 210 (Suspended)	ND	1	1			20	
------------------	----------------	--------------------------	----	---	---	--	--	----	--

**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	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:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Radium 228**

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

Sample ID	RunNo: 78770	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB12-005	01/10/12 22:17	Radium 228 (Dissolved)	ND	1					

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

Sample ID	RunNo: 78770	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS12-005	01/10/12 17:51	Radium 228 (Dissolved)	9	1	9.94		91.8	74.9 - 122	

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

Sample ID	RunNo: 78770	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112194-001DMS	01/10/12 17:51	Total Radium 228	8	1	9.94	ND	83.0	49.9 - 166	

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

Sample ID	RunNo: 78770	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112201-001FDUP	01/10/12 17:51	Radium 228 (Dissolved)	4	1	4	11.5		20	

**Radium 226 by SM 7500**

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

Sample ID	RunNo: 78324	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-355	12/27/11 13:16	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 78375	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-355	12/28/11 13:43	Radium 226 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 78324	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-355	12/27/11 13:16	Radium 226 (Dissolved)	5.0	0.2	5.06		98.8	62.5 - 125	

Sample ID	RunNo: 78375	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-355	12/28/11 13:43	Radium 226 (Suspended)	5.4	0.2	5.06		106	56.4 - 132	

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

Sample ID	RunNo: 78324	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112222-004DMS	12/27/11 13:16	Radium 226 (Dissolved)	5.1	0.2	5.06	ND	99.8	41.6 - 146	

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

Sample ID	RunNo: 78324	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112222-003DDUP	12/27/11 13:16	Radium 226 (Dissolved)	ND	0.2	ND			20	

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

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** AUC LLC  
**Work Order:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Thorium 230 in Water**Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 78484	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-346	12/28/11 9:58	Thorium 230 (Dissolved)	ND	0.2					
		Thorium 230 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 78484	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-346	12/28/11 9:58	Thorium 230 (Dissolved)	13	0.2	12		107	67.1 - 134	
		Thorium 230 (Suspended)	13	0.2	12		107	69.2 - 127	

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

Sample ID	RunNo: 78484	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112201-002FDUP	12/28/11 9:58	Thorium 230 (Suspended)	0.7	0.2	0.5	51.2		20	R

**Radon 222 by SM7500-RN**Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 78554	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R78554	12/15/11 0:00	Radon-222	ND	50					L

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

Sample ID	RunNo: 78554	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R78554	12/15/11 0:00	Radon-222	22300	100	22500		99.1	75 - 125	L

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

Sample ID	RunNo: 78554	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112271-001A	12/15/11 0:00	Radon-222	ND	50	ND			20	L

**Silica as SiO2**Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 78006	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	12/16/11 13:45	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 78006	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	12/16/11 13:47	Silica as SiO2	2.1	0.1	2.14		99.5	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	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:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

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

Sample ID	RunNo: 78061	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	12/15/11 8:47	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 78061	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CONTROL	12/15/11 8:48	Total Dissolved Solids (180)	220	10	226		97.3	90 - 110	

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

Sample ID	RunNo: 78061	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112266-001A	12/15/11 8:50	Total Dissolved Solids (180)	10000	10	10000	0		20	

**Total (200.2) Metals by EPA 200.7 ICP - Water**Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 78104	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-5705	12/20/11 17:13	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 78104	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-5705	12/20/11 17:16	Iron	0.51	0.05	0.5		103	85 - 115	
		Manganese	0.20	0.02	0.2		102	85 - 115	

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

Sample ID	RunNo: 78104	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112319-001CS	12/20/11 17:53	Iron	9.59	0.05	0.5	9.22	74.1	70 - 130	
		Manganese	1.96	0.02	0.2	1.77	95.6	70 - 130	

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

Sample ID	RunNo: 78104	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1112319-001CMSD	12/20/11 17:56	Iron	8.77	0.05	9.59	8.62		20	
		Manganese	1.79	0.02	1.96	8.99		20	

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

Sample ID	RunNo: 78104	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112271-001ED	12/20/11 17:20	Iron	0.99	0.05	1.16	14.2		20	
		Manganese	0.19	0.02	0.20	1.53		20	

**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	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:** S1112271  
**Project:** Reno Creek Project

**Date:** 1/16/2012  
**Report ID:** S1112271001

**Suspended Natural Uranium**

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

Sample ID	RunNo: 78097	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	12/20/11 12:42	Uranium Suspended	ND	0.0003					

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

Sample ID	RunNo: 78097	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	12/20/11 12:37	Uranium Suspended	0.0958	0.0003	0.1		95.8	85 - 115	

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

Sample ID	RunNo: 78097	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1112271-001FS	12/20/11 13:02	Uranium Suspended	1.12	0.0003	1.1	ND	101	70 - 130	

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

Sample ID	RunNo: 78097	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1112271-001FMSD	12/20/11 13:06	Uranium Suspended	1.08	0.0003	1.12	2.92		20	

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

Sample ID	RunNo: 78097	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112271-001FD	12/20/11 12:57	Uranium Suspended	ND	0.0003	ND			20	

**pH Water**

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

Sample ID	RunNo: 78014	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	12/16/11 16:30	pH	8.6	0.1	8.48		101	90 - 110	

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

Sample ID	RunNo: 78014	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1112262-001CD	12/16/11 18:27	pH	7.7	0.1	7.6	0.453		20	

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



**Inter-Mountain Labs**  
 Sheridan, WY and Gillette, WY  
 1673 Terra Ave,  
 Sheridan, WY 82801  
 (307) 682-8945  
 (307) 672-8945

**- CHAIN OF CUSTODY RECORD -**

This is a **LEGAL DOCUMENT**. All shaded fields must be completed. See reverse for instructions. #RC 08156

Client Name <b>AUC LLC</b>		Project Identification <b>Reno Creek Project</b>		Sampler (Signature/Printed) <i>Traci Nickerson</i>		Telephone #	
Report Address peavendor@auc-llc.com; trickerson@treccorp.com; jshriver@treccorp.com		Contact Name <i>Traci Nickerson</i>		Email <i>trickerson@treccorp.com</i>			
Invoice Address <i>909 W. Wm. Ct Ste 150 Casper WY 82401</i>		Purchase Order # <i>307-265-0696</i>		Phone <i>307-265-0696</i>			
ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	REMARKS
1							
2	5112271001	12/14/11	1330	05M4-004-11214 W		13 X	Groundwater
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
LAB COMMENTS <i>4.4.C Traci Nickerson</i>				Relinquished By (Signature/Printed) <i>Traci Nickerson</i>		DATE <i>12/14/11</i>	
				Received By (Signature/Printed) <i>Julie McNeil</i>		DATE <i>12/14/11</i>	
						TIME <i>16:53</i>	
						TIME <i>12.15.11 11:15</i>	
SHIPPING INFO		MATRIX CODES		TURNAROUND TIMES		COMPLIANCE INFORMATION	
<input type="checkbox"/> UPS	<input type="checkbox"/> Fed Express	<input checked="" type="checkbox"/> Water	WT	<input checked="" type="checkbox"/> Check desired service	Compliance Monitoring?		Y (N)
<input type="checkbox"/> US Mail	<input type="checkbox"/> Hand Carried	Soil	SL	<input type="checkbox"/> Standard turnaround	Program (SDWA, NPDES,...)		
<input type="checkbox"/> Other		Solid	SD	<input type="checkbox"/> RUSH - 5 Working Days	PWSID / Permit #		
		Trip Blank	TB	<input type="checkbox"/> URGENT - < 2 Working Days	Chlorinated?		Y (N)
		Other	OT	Rush & Urgent Surcharges will be applied		Sample Disposal: Lab <input checked="" type="checkbox"/> Client	
				ADDITIONAL REMARKS			