



Wednesday, May 18, 2011

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

RE: Reno Creek Project
Orde

r No.: S1103185

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples OM6-001-110310 on March 11, 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: 5/18/2011

CLIENT: AUC LLC
Project: Reno Creek Project
Lab Order: S1103185

CASE NARRATIVE
Report ID: S1103185002
(Replaces S1103185001)

Sample OM6-001-110310 was received on March 11, 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

S1103185-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory

Qualifiers by sample

LCS-R68609 - General Parameters/Radon-222 - Analyzed by a contract laboratory

MB-R68609 - 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

Date Reported 5/18/2011
Report ID S1103185002
(Replaces S1103185001)

ProjectName: Reno Creek Project
Lab ID: S1103185-001
ClientSample ID: OM6-001-110310
COC: RC 08256

WorkOrder: S1103185
CollectionDate: 3/10/2011 11:20:00 AM
DateReceived: 3/11/2011 9:50:00 AM
FieldSampler: TN
Matrix: Water

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include pH Reading, Conductivity Reading, Turbidity Reading, Dissolved Oxygen Reading, Temperature Reading, Oxygen Reduction Potential Reading, Purge Rate Reading, and Water Level Reading.

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: S1103185-001
ClientSample ID: OM6-001-110310
COC: RC 08256

Date Reported 5/18/2011
Report ID S1103185002
(Replaces S1103185001)
WorkOrder: S1103185
CollectionDate: 3/10/2011 11:20:00 AM
DateReceived: 3/11/2011 9:50:00 AM
FieldSampler: TN
Matrix: Water

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: S1103185-001
ClientSample ID: OM6-001-110310
COC: RC 08256

Date Reported 5/18/2011
Report ID S1103185002
(Replaces S1103185001)
WorkOrder: S1103185
CollectionDate: 3/10/2011 11:20:00 AM
DateReceived: 3/11/2011 9:50:00 AM
FieldSampler: TN
Matrix: Water

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), 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

Date Reported 5/18/2011
Report ID S1103185002
(Replaces S1103185001)

ProjectName: Reno Creek Project
Lab ID: S1103185-001
ClientSample ID: OM6-001-110310
COC: RC 08256

WorkOrder: S1103185
CollectionDate: 3/10/2011 11:20:00 AM
DateReceived: 3/11/2011 9:50:00 AM
FieldSampler: TN
Matrix: Water

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

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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
 (Replaces S1103185001)

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

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	03/11/11 13:45	Alkalinity, Total (As CaCO3)	ND	5					

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	03/11/11 22:36	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/11/11 13:34	Alkalinity, Total (As CaCO3)	474	5	473		100	96.6 - 103	

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/11/11 22:26	Alkalinity, Total (As CaCO3)	481	5	473		102	96.6 - 103	

ConductivitySample Type **MBLK** Units: µmhos/cm

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	03/11/11 13:45	Electrical Conductivity	ND	5					

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	03/11/11 22:36	Electrical Conductivity	ND	5					

Sample Type **LCS** Units: µmhos/cm

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/11/11 13:34	Electrical Conductivity	1010	5	1000		101	90 - 110	

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/11/11 22:26	Electrical Conductivity	990	5	1000		99.0	90 - 110	

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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
(Replaces S1103185001)

Dissolved Mercury by EPA 245.1 - Water

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

Sample ID	RunNo: 68288	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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ICB 03/16/11 7:44 Mercury ND 0.001

Sample ID	RunNo: 68288	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LRB 03/16/11 7:52 Mercury ND 0.001

Sample ID	RunNo: 68288	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LRB 03/16/11 8:38 Mercury ND 0.001

Sample ID	RunNo: 68288	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LRB 03/16/11 9:25 Mercury ND 0.001

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

Sample ID	RunNo: 68288	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS 03/16/11 7:50 Mercury 0.002 0.001 0.002 101 85 - 115

Sample ID	RunNo: 68288	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS 03/16/11 8:36 Mercury 0.002 0.001 0.002 100 85 - 115

Sample ID	RunNo: 68288	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS 03/16/11 9:24 Mercury 0.002 0.001 0.002 101 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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
(Replaces S1103185001)

Dissolved Metals by ICP - EPA 200.7 - Water

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

Sample ID	RunNo: 68227	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	03/14/11 14:26	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: 68227	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	03/14/11 14:28	Aluminum	1.0	0.1	1		101	85 - 115	
		Boron	1.0	0.1	1		102	85 - 115	
		Chromium	1.00	0.01	1		100	85 - 115	
		Iron	1.02	0.05	1		102	85 - 115	
		Manganese	1.03	0.02	1		103	85 - 115	
		Nickel	1.03	0.01	1		103	85 - 115	
		Zinc	1.02	0.01	1		102	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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
(Replaces S1103185001)

Dissolved Metals by ICPMS EPA 200.8 - Water

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

Sample ID	RunNo: 68182	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Init Cal Blank	03/11/11 13:28	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: 68182	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	03/11/11 13:36	Arsenic	0.101	0.005	0.1		101	85 - 115	
		Barium	ND	0.5	0.1		98.6	85 - 115	
		Cadmium	0.101	0.002	0.1		101	85 - 115	
		Copper	0.10	0.01	0.1		102	85 - 115	
		Lead	0.10	0.02	0.1		101	85 - 115	
		Molybdenum	0.10	0.02	0.1		103	85 - 115	
		Selenium	0.105	0.005	0.1		105	85 - 115	
		Uranium	0.105	0.001	0.1		105	85 - 115	
		Vanadium	0.10	0.02	0.1		102	85 - 115	

Sample ID	RunNo: 68182	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	03/11/11 15:58	Arsenic	0.102	0.005	0.1		102	85 - 115	
		Barium	ND	0.5	0.1		94.0	85 - 115	
		Cadmium	0.102	0.002	0.1		102	85 - 115	
		Copper	0.10	0.01	0.1		101	85 - 115	
		Lead	0.10	0.02	0.1		97.7	85 - 115	
		Molybdenum	0.10	0.02	0.1		104	85 - 115	
		Selenium	0.105	0.005	0.1		105	85 - 115	
		Uranium	0.107	0.001	0.1		107	85 - 115	
		Vanadium	0.10	0.02	0.1		101	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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
(Replaces S1103185001)

Fluoride by SM 4500

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

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLANK 03/11/11 13:45 Fluoride ND 0.1

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLANK 03/11/11 22:36 Fluoride ND 0.1

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

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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ATQC 03/11/11 13:34 Fluoride 2.5 0.1 2.82 87.7 86.1 - 114

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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ATQC 03/11/11 22:26 Fluoride 2.7 0.1 2.82 96.6 86.1 - 114

Gross Alpha, Beta by SM 7110B

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

Sample ID	RunNo: 68411	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-077 03/20/11 21:23 Gross Alpha (Dissolved) ND 2
Gross Beta (Dissolved) ND 3

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

Sample ID	RunNo: 68411	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-077 03/20/11 21:23 Gross Alpha (Dissolved) 74 2 69 108 72.6 - 137
Gross Beta (Dissolved) 130 3 130 100 72.6 - 137

Anions by ION Chromatography

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

Sample ID	RunNo: 68218	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLK 03/14/11 9:47 Chloride ND 1
Sulfate ND 1

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

Sample ID	RunNo: 68218	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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DIONEX 03/14/11 9:22 Chloride 30 1 30 101 90 - 110
Sulfate 143 1 150 95.0 90 - 110

- 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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
 (Replaces S1103185001)

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

Sample ID	RunNo: 68221	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	03/14/11 14:26	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

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

Sample ID	RunNo: 68221	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	03/14/11 14:31	Calcium	39	1	40		97.2	85 - 115	
		Magnesium	40	1	40		98.8	85 - 115	
		Potassium	40	1	40		98.6	85 - 115	
		Sodium	39	1	40		96.2	85 - 115	

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

Sample ID	RunNo: 68321	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Blank	03/17/11 9:36	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 68321	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	03/17/11 9:38	Nitrogen, Ammonia (As N)	8.8	0.1	8.93		98.3	90 - 110	

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

Sample ID	RunNo: 68362	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Baseline	03/17/11 14:26	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 68362	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	03/17/11 14:27	Nitrogen, Nitrate-Nitrite (as N)	7.7	0.1	7.69		99.5	90 - 110	

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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
 (Replaces S1103185001)

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

Sample ID	RunNo: 68581	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB-R68581	03/24/11 15:00	Lead 210 (Dissolved)	ND	1					
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Sample ID	RunNo: 68581	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB-R68581	03/24/11 15:00	Lead 210 (Suspended)	ND	1					
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Sample ID	RunNo: 68582	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB-R68582	03/24/11 12:43	Polonium 210 (Dissolved)	ND	1					
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Sample ID	RunNo: 68582	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB-R68582	03/24/11 12:43	Polonium 210 (Suspended)	ND	1					
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Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 68581	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS-R68581	03/24/11 15:00	Lead 210 (Dissolved)	11	1	13.1		84.3	50 - 150	
		Lead 210 (Suspended)	11	1	13.1		84.3	50 - 150	

Sample ID	RunNo: 68582	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS-R68582	03/24/11 12:43	Polonium 210 (Dissolved)	6	1	6.6		88.6	50 - 150	
		Polonium 210 (Suspended)	6	1	6.6		88.6	50 - 150	

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

Sample ID	RunNo: 68581	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1103185-001GDUP	03/24/11 15:00	Lead 210 (Dissolved)	ND	1	ND	0		20	
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Sample ID	RunNo: 68582	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1103185-001GDUP	03/24/11 12:43	Polonium 210 (Dissolved)	ND	1	ND	0		20	
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Radium 228Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 68416	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-082	03/21/11 16:48	Radium 228 (Dissolved)	ND	1					
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Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 68416	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-082	03/21/11 16:48	Radium 228 (Dissolved)	9	1	9.73		93.5	63.8 - 119	
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Sample Type **MS** Units: pCi/L

Sample ID	RunNo: 68416	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1103185-001GMS	03/21/11 16:48	Radium 228 (Dissolved)	11	1	9.73	1	97.2	52.4 - 145	
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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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
 (Replaces S1103185001)

Radium 226 by SM 7500Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 68337	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-073	03/17/11 9:05	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 68337	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DMB11-073B	03/17/11 9:05	Radium 226 (Suspended)	ND	0.2					

Sample ID	RunNo: 68337	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DMB11-073A	03/17/11 9:05	Radium 226 (Suspended)	ND	0.2					

Sample ID	RunNo: 68801	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-087	04/01/11 9:46	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 68801	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DMB11-087	04/01/11 0:00	Radium 226 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 68337	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-073	03/17/11 9:05	Radium 226 (Dissolved)	5.0	0.2	5		99.5	69.3 - 130	
		Radium 226 (Suspended)	5.0	0.2	5		99.5	69.3 - 130	

Sample ID	RunNo: 68801	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-087	04/01/11 9:46	Radium 226 (Dissolved)	4.7	0.2	5		93.8	69.3 - 130	
		Radium 226 (Suspended)	4.7	0.2	5		93.8	69.3 - 130	

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

Sample ID	RunNo: 68443	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R68443	03/21/11 9:17	Thorium 230 (Dissolved)	ND	0.2					

Sample ID	RunNo: 68443	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R68443	03/21/11 9:17	Thorium 230 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 68443	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R68443	03/21/11 9:17	Thorium 230 (Dissolved)	12	0.2	12		93.1	50 - 150	
		Thorium 230 (Suspended)	12	0.2	12		93.1	50 - 150	

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

Sample ID	RunNo: 68443	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1103185-001GDUP	03/21/11 9:17	Thorium 230 (Dissolved)	ND	0.2	ND	0		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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
(Replaces S1103185001)

Radon 222 by SM7500-RN

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

Sample ID	RunNo: 68609	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R68609	03/11/11 0:00	Radon-222	ND	50					L

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

Sample ID	RunNo: 68609	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R68609	03/11/11 0:00	Radon-222	22100	100	22500		98.2	75 - 125	L

Silica as SiO2

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

Sample ID	RunNo: 68230	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	03/14/11 14:26	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 68230	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	03/14/11 14:28	Silica as SiO2	2.1	0.1	2.14		97.7	85 - 115	

Solids By SM 2540

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

Sample ID	RunNo: 68247	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Air	03/11/11 11:00	Total Dissolved Solids (180)	ND	10					

Sample ID	RunNo: 68247	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Air	03/11/11 11:05	Total Dissolved Solids (180)	ND	10					

Sample ID	RunNo: 68247	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	03/11/11 11:10	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 68247	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Control	03/11/11 11:15	Total Dissolved Solids (180)	230	10	226		100	90 - 110	

- 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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
(Replaces S1103185001)

Total (200.2) Metals by EPA 200.7 ICP - Water

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

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLK 3/10 TOT -4954	03/14/11 20:48	Iron	ND	0.05					
		Manganese	ND	0.02					

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLK 3/10 TOT -4954	03/14/11 22:13	Iron	ND	0.05					
		Manganese	ND	0.02					

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLK 3/11 TOT -4958	03/14/11 22:20	Iron	ND	0.05					
		Manganese	ND	0.02					

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLK 3/11 TOT -4958	03/14/11 23:44	Iron	ND	0.05					
		Manganese	ND	0.02					

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLK 3/14 TOT -4961	03/15/11 2:00	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS 3/10 TOT -4954	03/14/11 20:50	Iron	0.47	0.05	0.5		94.4	85 - 115	
		Manganese	0.19	0.02	0.2		95.8	85 - 115	

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS 3/10 TOT -4954	03/14/11 22:15	Iron	0.47	0.05	0.5		93.6	85 - 115	
		Manganese	0.19	0.02	0.2		94.8	85 - 115	

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS 3/11 TOT -4958	03/14/11 22:22	Iron	0.47	0.05	0.5		93.2	85 - 115	
		Manganese	0.19	0.02	0.2		94.8	85 - 115	

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS 3/11 TOT -4958	03/14/11 23:46	Iron	0.46	0.05	0.5		91.6	85 - 115	
		Manganese	0.19	0.02	0.2		93.8	85 - 115	

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS 3/14 TOT -4961	03/15/11 2:02	Iron	0.46	0.05	0.5		91.4	85 - 115	
		Manganese	0.19	0.02	0.2		93.2	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: S1103185
Project: Reno Creek Project

Date: 5/18/2011
Report ID: S1103185002
(Replaces S1103185001)

Total (200.2) Metals by EPA 200.7 ICP - Water

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

Sample ID	RunNo: 68232	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1103185-001FS	03/15/11 2:19	Iron	0.83	0.05	0.5	0.40	85.6	70 - 130	
		Manganese	0.65	0.02	0.2	0.46	91.7	70 - 130	

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

Sample ID	RunNo: 68232	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1103185-001FS	03/15/11 2:22	Iron	0.84	0.05	0.83	1.81	88.5	20	
		Manganese	0.64	0.02	0.65	0.341	90.6	20	

Suspended Natural Uranium

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

Sample ID	RunNo: 68258	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	03/15/11 10:55	Uranium Suspended	0.101	0.0003	0.1		101	85 - 115	

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

Sample ID	RunNo: 68258	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1103185-001Hs	03/15/11 12:06	Uranium Suspended	1.15	0.0003	1.1	ND	104	70 - 130	

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

Sample ID	RunNo: 68258	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1103185-001H	03/15/11 12:02	Uranium Suspended	ND	0.0003	ND	0		20	

pH Water

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

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/11/11 13:34	pH	10.8	0.1	10.7		101	94.8 - 105	

Sample ID	RunNo: 68188	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/11/11 22:26	pH	10.8	0.1	10.7		101	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
 - 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
 1573 Terra Ave
 Sheridan, WY 82801 (307) 682-8945
 INTER-MOUNTAIN LABS (307) 672-8945

This is a LEGAL DOCUMENT. All shaded fields must be completed. See reverse for instructions. #RC 082556

- CHAIN OF CUSTODY RECORD -

Client Name: AUC LLC
 Report Address: pcavendor@auc-llc.com; mickerson@treecorp.com; jshriver@treecorp.com
 Invoice Address: AUC LLC
 951 W. 2nd St. Casper, WY 82601
 Project Identification: Reno Creek Project
 Contact Name: Tracy Mickerson
 Email: mickerson@treecorp.com
 Phone: 307-265-0696
 Purchase Order #: [blank]
 Quote #: [blank]
 Sampler (Signature/Printed): Tracy Mickerson 265
 Telephone #: 2696

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME	SAMPLE IDENTIFICATION	Matrix	# of Containers	ANALYSES / PARAMETERS	REMARKS
1	51103185	3/10/11	11:20	OMe-001-110310		X	See Attached Table 1 (4,14, Guide 8, Radon 222) See Attached Table 2 (Air Particulate) See Attached Table 3 (Vegetation) See Attached Table 4 (Sediment) See Attached Table 5 (Soil) See Attached Table 8 WYPDES Discharge See Attached Table 9 (Blanks)	COUNDAVET
2-14								

LAB COMMENTS: Relinquished By (Signature/Printed) Tracy Mickerson 3/10/11
 Received By (Signature/Printed) Kathy Thompson 3/10/11 9:50
 SHIPPING INFO: UPS, Fed Express, US Mail, Hand Carried, Other
 MATRIX CODES: Water, Soil, Solid, Trip Blank, Other
 TURNAROUND TIMES: Check desired service, Standard turnaround, RUSH - 5 Working Days, URGENT - < 2 Working Days
 RUSH & Urgent Surcharges will be applied
 COMPLIANCE INFORMATION: Compliance Monitoring? Y/N, Program (SDWA, NPDES, ...), PWSID / Permit #, Chlorinated? Y/N, Sample Disposal: Lab Y Client Y
 ADDITIONAL REMARKS: 2.0