



Thursday, December 01, 2011

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

RE: Reno Creek Project
Orde

r No.: S1110247

Dear Phil Cavendor:

Inter-Mountain Laboratories received sample UM6-004-111018 on October 18, 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: 12/1/2011

CLIENT: AUC LLC
Project: Reno Creek Project
Lab Order: S1110247

CASE NARRATIVE
Report ID: S1110247001

Sample UM6-004-111018 was received on October 18, 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.

Per ALS one of the voa vials for UM6-004-111018 arrived with headspace < pea size.

Qualifiers by sample

S1110247-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory
LCS-R76356 - General Parameters/Radon-222 - Analyzed by a contract laboratory
MB-R76356 - General Parameters/Radon-222 - Analyzed by a contract laboratory
S1110216-007 - Radiochemistry/Lead 210 (Dissolved) - RPD outside accepted recovery limits

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: S1110247-001
ClientSample ID: UM6-004-111018
COC: RC 08395

Date Reported: 12/1/2011
Report ID: S1110247001

WorkOrder: S1110247
CollectionDate: 10/18/2011 11:00:00 AM
DateReceived: 10/18/2011 4:33:00 PM
FieldSampler: TN
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init
Field						
pH Reading 1	9.56	s.u.			Field	10/18/2011 11:00:00 AM
pH Reading 2	9.54	s.u.			Field	10/18/2011 11:00:00 AM
pH Reading 3	9.56	s.u.			Field	10/18/2011 11:00:00 AM
Conductivity Reading 1	614	µmhos/cm			Field	10/18/2011 11:00:00 AM
Conductivity Reading 2	613	µmhos/cm			Field	10/18/2011 11:00:00 AM
Conductivity Reading 3	611	µmhos/cm			Field	10/18/2011 11:00:00 AM
Turbidity Reading 1	3.0	NTU			Field	10/18/2011 11:00:00 AM
Turbidity Reading 2	3.6	NTU			Field	10/18/2011 11:00:00 AM
Turbidity Reading 3	2.2	NTU			Field	10/18/2011 11:00:00 AM
Dissolved Oxygen Reading 1	9.46	mg/L			Field	10/18/2011 11:00:00 AM
Dissolved Oxygen Reading 2	9.60	mg/L			Field	10/18/2011 11:00:00 AM
Dissolved Oxygen Reading 3	9.75	mg/L			Field	10/18/2011 11:00:00 AM
Temperature Reading 1	10.18	°C			Field	10/18/2011 11:00:00 AM
Temperature Reading 2	9.99	°C			Field	10/18/2011 11:00:00 AM
Temperature Reading 3	10.01	°C			Field	10/18/2011 11:00:00 AM
Oxygen Reduction Potential Reading	-215.2	mV			Field	10/18/2011 11:00:00 AM
Oxygen Reduction Potential Reading	-200.8	mV			Field	10/18/2011 11:00:00 AM
Oxygen Reduction Potential Reading	-212.6	mV			Field	10/18/2011 11:00:00 AM
Purge Rate Reading 1	150	ml/min			Field	10/18/2011 11:00:00 AM
Purge Rate Reading 2	150	ml/min			Field	10/18/2011 11:00:00 AM
Purge Rate Reading 3	150	ml/min			Field	10/18/2011 11:00:00 AM
Water Level Reading 1	212.49	Ft			Field	10/18/2011 11:00:00 AM
Water Level Reading 2	212.56	Ft			Field	10/18/2011 11:00:00 AM
Water Level Reading 3	212.62	Ft			Field	10/18/2011 11:00:00 AM

These results apply only to the samples tested.

RL - Reporting Limit

- | | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | 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 |
| | S Spike Recovery outside accepted recovery limits | |

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: S1110247-001
ClientSample ID: UM6-004-111018
COC: RC 08395

Date Reported 12/1/2011
Report ID S1110247001
WorkOrder: S1110247
CollectionDate: 10/18/2011 11:00:00 AM
DateReceived: 10/18/2011 4:33:00 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
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DateReceived: 10/18/2011 4:33:00 PM
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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

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C Calculated Value
H Holding times for preparation or analysis exceeded
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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
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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: S1110247-001
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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, etc.) and Radionuclides - Suspended (Lead 210, Polonium 210, etc.).

These results apply only to the samples tested.

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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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Alkalinity

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	10/21/11 14:57	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	10/21/11 14:45	Alkalinity, Total (As CaCO3)	593	5	601		98.7	90 - 110	

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110290-002A	10/21/11 16:55	Alkalinity, Bicarbonate as HCO3	2830	5	2830	0.286		20	
		Alkalinity, Carbonate as CO3	79	5	73	8.34		20	
		Alkalinity, Total (As CaCO3)	2450	5	2440	0.142		20	

Conductivity

Sample Type **MBLK** Units: µmhos/cm

Sample ID	RunNo: 76040	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	10/21/11 14:57	Electrical Conductivity	ND	5					

Sample Type **LCS** Units: µmhos/cm

Sample ID	RunNo: 76040	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	10/21/11 14:45	Electrical Conductivity	1100	5	1120		97.6	90 - 110	

Sample Type **DUP** Units: µmhos/cm

Sample ID	RunNo: 76040	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110290-002A	10/21/11 16:55	Electrical Conductivity	4210	5	4200	0.238		20	

- Qualifiers:**
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 - 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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Dissolved Mercury by EPA 245.1 - Water

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

Sample ID	RunNo: 76013	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LRB	10/21/11 8:25	Mercury	ND	0.001					

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

Sample ID	RunNo: 76013	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	10/21/11 8:24	Mercury	0.002	0.001	0.002		98.1	85 - 115	

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

Sample ID	RunNo: 76013	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110235-008C	10/21/11 9:18	Mercury	0.002	0.001	0.00244	ND	96.9	70 - 130	

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

Sample ID	RunNo: 76013	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1110235-008C	10/21/11 9:20	Mercury	0.002	0.001	0.002	0.914	96.0	20	

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

Sample ID	RunNo: 76013	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110235-008C	10/21/11 9:16	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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

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

Sample ID	RunNo: 75935	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	10/19/11 11:19	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: 75935	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	10/19/11 11:21	Aluminum	1.0	0.1	1		100	85 - 115	
		Boron	1.0	0.1	1		97.3	85 - 115	
		Chromium	0.99	0.01	1		99.3	85 - 115	
		Iron	1.00	0.05	1		99.9	85 - 115	
		Manganese	1.03	0.02	1		103	85 - 115	
		Nickel	1.02	0.01	1		102	85 - 115	
		Zinc	1.02	0.01	1		102	85 - 115	

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

Sample ID	RunNo: 75935	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110253-001CS	10/19/11 16:09	Aluminum	0.5	0.1	0.5	ND	106	70 - 130	
		Boron	0.5	0.1	0.5	ND	101	70 - 130	
		Chromium	0.53	0.01	0.5	ND	105	70 - 130	
		Iron	0.52	0.05	0.5	ND	104	70 - 130	
		Manganese	0.51	0.02	0.5	ND	103	70 - 130	
		Nickel	0.52	0.01	0.5	ND	103	70 - 130	
		Zinc	0.53	0.01	0.5	ND	105	70 - 130	

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

Sample ID	RunNo: 75935	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1110253-001CSD	10/19/11 16:11	Aluminum	0.5	0.1	0.5	5.34	101	20	
		Boron	0.5	0.1	0.5	3.73	97.7	20	
		Chromium	0.51	0.01	0.53	3.28	102	20	
		Iron	0.50	0.05	0.52	4.10	99.6	20	
		Manganese	0.49	0.02	0.51	4.02	98.5	20	
		Nickel	0.50	0.01	0.52	3.39	99.8	20	
		Zinc	0.50	0.01	0.53	4.21	101	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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Dissolved Metals by ICP - EPA 200.7 - Water

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

Sample ID	RunNo: 75935	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110251-001DD	10/19/11 16:04	Aluminum	ND	0.1	ND			20	
		Boron	ND	0.1	ND			20	
		Chromium	ND	0.01	ND			20	
		Iron	0.44	0.05	0.43	1.27		20	
		Manganese	0.28	0.02	0.28	1.18		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: 75930	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	10/19/11 14:00	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: 75930	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	10/19/11 13:56	Arsenic	0.100	0.005	0.1		99.7	85 - 115	
		Barium	ND	0.5	0.1		99.2	85 - 115	
		Cadmium	0.100	0.002	0.1		99.6	85 - 115	
		Copper	0.10	0.01	0.1		98.6	85 - 115	
		Lead	0.10	0.02	0.1		95.1	85 - 115	
		Molybdenum	0.10	0.02	0.1		98.8	85 - 115	
		Selenium	0.101	0.005	0.1		101	85 - 115	
		Uranium	0.093	0.001	0.1		93.1	85 - 115	
		Vanadium	0.10	0.02	0.1		102	85 - 115	

- Qualifiers:**
- B Analyte detected in the associated Method Blank
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 - 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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Dissolved Metals by ICPMS EPA 200.8 - WaterSample Type **MS** Units: mg/L

Sample ID	RunNo: 75930	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110246-001DS	10/19/11 14:16	Arsenic	1.15	0.005	1.1	0.007	104	70 - 130	
		Barium	1.1	0.5	1.1	ND	99.2	70 - 130	
		Cadmium	1.07	0.002	1.1	ND	97.7	70 - 130	
		Copper	1.07	0.01	1.1	ND	96.8	70 - 130	
		Lead	1.00	0.02	1.1	ND	90.9	70 - 130	
		Molybdenum	1.11	0.02	1.1	ND	101	70 - 130	
		Selenium	1.15	0.005	1.1	ND	105	70 - 130	
		Uranium	1.02	0.001	1.1	ND	92.5	70 - 130	
		Vanadium	1.09	0.02	1.1	ND	99.4	70 - 130	

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

Sample ID	RunNo: 75930	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1110246-001DMSD	10/19/11 14:20	Arsenic	1.15	0.005	1.15	0.400	104	20	
		Barium	1.2	0.5	1.1	1.20	100	20	
		Cadmium	1.08	0.002	1.07	0.970	98.6	20	
		Copper	1.07	0.01	1.07	0.543	97.3	20	
		Lead	1.00	0.02	1.00	0.496	90.5	20	
		Molybdenum	1.10	0.02	1.11	0.277	100	20	
		Selenium	1.16	0.005	1.15	0.368	105	20	
		Uranium	1.02	0.001	1.02	0.286	92.2	20	
		Vanadium	1.07	0.02	1.09	1.81	97.6	20	

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

Sample ID	RunNo: 75930	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110246-001DD	10/19/11 14:12	Arsenic	0.007	0.005	0.007	1.82		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	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
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ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Fluoride by SM 4500

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	10/21/11 14:57	Fluoride	0.1	0.1					

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	10/21/11 14:45	Fluoride	2.9	0.1	2.96		99.2	90 - 110	

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110250-001ASPK	10/22/11 0:43	Fluoride	3.2	0.1	2.5	0.4	111	80 - 120	

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110290-002A	10/21/11 16:55	Fluoride	2.0	0.1	2.0	0.787		20	

Gross Alpha, Beta by SM 7110B

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

Sample ID	RunNo: 76305	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-300	10/29/11 22:28	Gross Alpha (Dissolved)	ND	2					
		Gross Beta (Dissolved)	ND	3					

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

Sample ID	RunNo: 76305	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-300	10/29/11 22:28	Gross Alpha (Dissolved)	82	2	73.6		112	83 - 133	
		Gross Beta (Dissolved)	132	3	126		104	88 - 115	

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

Sample ID	RunNo: 76305	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110114-001FMS	10/29/11 22:28	Gross Alpha (Dissolved)	188	2	147	28	109	48 - 153	
		Gross Beta (Dissolved)	298	4	252	22	110	60 - 140	

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

Sample ID	RunNo: 76305	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110247-001FDUP	10/29/11 22:28	Gross Alpha (Dissolved)	ND	2	ND			20	
		Gross Beta (Dissolved)	4	3	4	2.60		20	

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 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - ND Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Anions by ION Chromatography

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

Sample ID	RunNo: 75994	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	10/20/11 9:43	Chloride	ND	1					
		Sulfate	ND	1					

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

Sample ID	RunNo: 75994	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DIONEX	10/20/11 9:58	Chloride	30	1	30		98.3	90 - 110	
		Sulfate	139	1	150		93.0	90 - 110	

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

Sample ID	RunNo: 75994	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110206-005ASPK	10/20/11 13:42	Chloride	2120	1	1000	1150	96.6	80 - 120	
		Sulfate	21200	1	8040	13200	99.3	80 - 120	

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

Sample ID	RunNo: 75994	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110206-005AD	10/20/11 13:27	Chloride	1140	1	1150	0.460		20	
		Sulfate	13200	1	13200	0.0132		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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

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

Sample ID	RunNo: 75934	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	10/19/11 11:19	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

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

Sample ID	RunNo: 75934	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	10/19/11 11:24	Calcium	39	1	40		97.8	85 - 115	
		Magnesium	39	1	40		98.6	85 - 115	
		Potassium	38	1	40		95.5	85 - 115	
		Sodium	39	1	40		96.7	85 - 115	

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

Sample ID	RunNo: 75934	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110253-001AS	10/19/11 16:09	Calcium	53	1	50	ND	105	70 - 130	
		Magnesium	53	1	50	ND	106	70 - 130	
		Potassium	50	1	50	ND	100	70 - 130	
		Sodium	54	1	50	ND	108	70 - 130	

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

Sample ID	RunNo: 75934	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1110253-001ASD	10/19/11 16:11	Calcium	50	1	53	4.16	101	20	
		Magnesium	52	1	53	2.23	104	20	
		Potassium	48	1	50	4.30	96.1	20	
		Sodium	52	1	54	4.50	103	20	

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

Sample ID	RunNo: 75934	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110251-001AD	10/19/11 16:04	Calcium	203	1	201	1.21		20	
		Magnesium	37	1	36	2.36		20	
		Potassium	10	1	10	1.45		20	
		Sodium	240	1	216	10.8		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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Nitrogen, Ammonia (as N)

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

Sample ID	RunNo: 76143	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	10/25/11 16:01	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 76143	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	10/25/11 16:03	Nitrogen, Ammonia (As N)	10.0	0.1	10		99.8	90 - 110	

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

Sample ID	RunNo: 76143	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110275-001C	10/25/11 17:30	Nitrogen, Ammonia (As N)	9.2	0.1	10	0.2	89.9	80 - 120	

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

Sample ID	RunNo: 76143	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110275-001C	10/25/11 17:29	Nitrogen, Ammonia (As N)	0.2	0.1	0.2	1.17		20	

Nitrogen, Nitrate-Nitrite (as N)

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

Sample ID	RunNo: 76113	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	10/24/11 9:53	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 76113	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	10/24/11 9:55	Nitrogen, Nitrate-Nitrite (as N)	2.1	0.1	2.31		92.7	90 - 110	

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

Sample ID	RunNo: 76113	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110304-005B	10/24/11 12:26	Nitrogen, Nitrate-Nitrite (as N)	10.6	0.05	10	0.44	102	80 - 120	

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

Sample ID	RunNo: 76113	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110304-005B	10/24/11 12:25	Nitrogen, Nitrate-Nitrite (as N)	0.45	0.05	0.44	0.837		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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Lead 210 and Polonium 210

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

Sample ID	RunNo: 76787	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-297 11/09/11 12:56 Lead 210 (Suspended) ND 1

Sample ID	RunNo: 76788	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-297 11/03/11 12:23 Polonium 210 (Suspended) ND 1

Sample ID	RunNo: 77384	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-318 11/18/11 12:42 Polonium 210 (Dissolved) ND 1

Sample ID	RunNo: 77487	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-297 11/10/11 11:01 Lead 210 (Dissolved) ND 1

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

Sample ID	RunNo: 76787	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-297 11/09/11 12:56 Lead 210 (Suspended) 14 1 12.9 109 60.3 - 141

Sample ID	RunNo: 76788	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-297 PO 11/03/11 12:23 Polonium 210 (Suspended) 3 1 2.16 139 48.6 - 156

Sample ID	RunNo: 77384	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-318 PO 11/18/11 12:42 Polonium 210 (Dissolved) 5 1 3.89 139 35.1 - 175

Sample ID	RunNo: 77487	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-297 11/10/11 11:01 Lead 210 (Dissolved) 16 1 12.9 127 67.6 - 131

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

Sample ID	RunNo: 76787	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1110246-001FMS 11/09/11 12:56 Lead 210 (Suspended) 14 1 12.9 ND 106 62.4 - 132

Sample ID	RunNo: 76788	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1110246-001FMS 11/03/11 12:23 Polonium 210 (Suspended) 4 1 12.9 ND 31.0 28 - 173

Sample ID	RunNo: 77384	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1110216-001DMS 11/18/11 12:42 Polonium 210 (Dissolved) 12 1 12.8 ND 96.0 20.9 - 160

Sample ID	RunNo: 77487	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1110216-001DMS 11/10/11 11:01 Lead 210 (Dissolved) 16 1 12.9 2 107 66 - 133

- 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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Lead 210 and Polonium 210

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

Sample ID	RunNo: 76787	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1110248-001FDUP 11/09/11 12:56 Lead 210 (Suspended) ND 1 ND 20

Sample ID	RunNo: 76788	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1110248-001FDUP 11/03/11 12:23 Polonium 210 (Suspended) ND 1 ND 20

Sample ID	RunNo: 77384	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1110216-003DDUP 11/18/11 12:42 Polonium 210 (Dissolved) ND 1 ND 20

Sample ID	RunNo: 77487	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1110216-007DDUP 11/10/11 11:01 Lead 210 (Dissolved) 1 1 ND 20 R

Radium 228

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

Sample ID	RunNo: 77433	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-325 11/28/11 17:34 Radium 228 (Dissolved) ND 1

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

Sample ID	RunNo: 77433	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-325 11/28/11 17:34 Radium 228 (Dissolved) 10 1 9.89 102 74.9 - 122

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

Sample ID	RunNo: 77433	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1110025-002EMS 11/28/11 17:34 Radium 228 (Dissolved) 9 1 9.89 ND 95.2 48.4 - 167

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

Sample ID	RunNo: 77433	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1110247-001FDUP 11/28/11 17:34 Radium 228 (Dissolved) ND 1 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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Radium 226 by SM 7500

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

Sample ID	RunNo: 76343	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-297	10/28/11 13:59	Radium 226 (Suspended)	ND	0.2					

Sample ID	RunNo: 76346	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-298	10/29/11 16:32	Radium 226 (Dissolved)	ND	0.2					

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

Sample ID	RunNo: 76343	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-297	10/28/11 13:59	Radium 226 (Suspended)	5.0	0.2	5		99.8	56.4 - 132	

Sample ID	RunNo: 76346	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-298	10/29/11 16:32	Radium 226 (Dissolved)	5.0	0.2	5		99.7	62.5 - 125	

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

Sample ID	RunNo: 76343	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110211-001FMS	10/28/11 13:59	Radium 226 (Suspended)	6.2	0.2	5	1.3	97.6	51.4 - 135	

Sample ID	RunNo: 76346	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110216-005DMS	10/29/11 20:30	Radium 226 (Dissolved)	4.9	0.2	5	ND	98.4	41.6 - 146	

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

Sample ID	RunNo: 76343	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110200-001FDUP	10/28/11 13:59	Radium 226 (Suspended)	ND	0.2	ND			20	

Sample ID	RunNo: 76346	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110210-001FDUP	10/29/11 16:32	Radium 226 (Dissolved)	13.1	0.2	13.9	5.25		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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

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

Sample ID	RunNo: 76662	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-298	11/03/11 8:14	Thorium 230 (Dissolved)	ND	0.2					

Sample ID	RunNo: 76828	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-298	11/08/11 8:10	Thorium 230 (Suspended)	ND	0.2	0		0		

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

Sample ID	RunNo: 76662	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-298	11/03/11 8:14	Thorium 230 (Dissolved)	12	0.2	12		99.1	67.1 - 134	

Sample ID	RunNo: 76828	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-298	11/08/11 8:10	Thorium 230 (Suspended)	12	0.2	12		99.5	69.2 - 127	

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

Sample ID	RunNo: 76662	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110246-001F DUP	11/04/11 8:46	Thorium 230 (Dissolved)	ND	0.2	ND			20	

Sample ID	RunNo: 76828	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110251-001F DUP	11/09/11 13:19	Thorium 230 (Suspended)	ND	0.2	ND		0	20	

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

Sample ID	RunNo: 76356	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R76356	10/19/11 0:00	Radon-222	ND	50					L

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

Sample ID	RunNo: 76356	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R76356	10/19/11 0:00	Radon-222	22200	100	22500		98.7	75 - 125	L

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

Sample ID	RunNo: 76356	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110247-001A	10/19/11 0:00	Radon-222	ND	50	ND			20	L

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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

Silica as SiO2

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

Sample ID	RunNo: 75937	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	10/19/11 11:19	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 75937	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	10/19/11 11:21	Silica as SiO2	2.1	0.1	2.14		98.7	85 - 115	

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

Sample ID	RunNo: 75937	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110251-001DD	10/19/11 16:04	Silica as SiO2	12.2	0.1	12.0	1.74		20	

Solids By SM 2540

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

Sample ID	RunNo: 76028	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	10/20/11 10:40	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 76028	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CONTROL	10/20/11 10:45	Total Dissolved Solids (180)	230	10	226		102	90 - 110	

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

Sample ID	RunNo: 76028	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110253-013A	10/20/11 12:25	Total Dissolved Solids (180)	970	10	980	0.410		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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

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

Sample ID	RunNo: 75980	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-5562	10/20/11 16:44	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 75980	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-5562	10/20/11 16:47	Iron	0.49	0.05	0.5		97.9	85 - 115	
		Manganese	0.20	0.02	0.2		98.2	85 - 115	

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

Sample ID	RunNo: 75980	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110247-001ES	10/20/11 16:56	Iron	0.54	0.05	0.5	0.06	97.0	70 - 130	
		Manganese	0.20	0.02	0.2	ND	96.9	70 - 130	

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

Sample ID	RunNo: 75980	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110246-001ED	10/20/11 16:51	Iron	0.13	0.05	0.13	0.399		20	
		Manganese	0.10	0.02	0.10	0.292		20	

Suspended Natural UraniumSample Type **MBLK** Units: mg/L

Sample ID	RunNo: 76035	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	10/21/11 14:21	Uranium Suspended	ND	0.0003					

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

Sample ID	RunNo: 76035	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	10/21/11 14:17	Uranium Suspended	0.0971	0.0003	0.1		97.1	85 - 115	

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

Sample ID	RunNo: 76035	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1110246-001FS	10/21/11 19:34	Uranium Suspended	1.07	0.0003	1.1	ND	97.4	70 - 130	

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

Sample ID	RunNo: 76035	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1110246-001FMSD	10/21/11 19:38	Uranium Suspended	1.08	0.0003	1.07	0.756	98.1	20	

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

Sample ID	RunNo: 76035	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110246-001FD	10/21/11 19:30	Uranium Suspended	ND	0.0003	ND			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: S1110247
Project: Reno Creek Project

Date: 12/1/2011
Report ID: S1110247001

pH Water

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	10/21/11 14:45	pH	8.4	0.1	8.48		99.2	90 - 110	

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

Sample ID	RunNo: 76040	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1110290-002A	10/21/11 16:55	pH	8.5	0.1	8.5	0.273		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
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 Sheridan, WY 82801
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- CHAIN OF CUSTODY RECORD -

This is a LEGAL DOCUMENT. All shaded fields must be completed. See reverse for instructions. #RC 08395

Client Name AUC LLC		Project Identification Reno Creek Project		Sampler (Signature/Printed) <i>Javi Nickerson</i>		Telephone #	
Report Address peavendor@auc-llc.com; trickerson@treccorp.com; jshriver@treccorp.com Invoice Address AUC LLC <i>900 Warner Ct. Ste 100</i> <i>Casper Wyo 82401</i>		Contact Name <i>Javi Nickerson</i> Email: <i>trickerson@treccorp.com</i> Phone: <i>307-265-0696</i> Purchase Order #		ANALYSES (PARAMETERS) 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 WYDES Discharge See Attached Table 9 (Blanks)		REMARKS <i>Groundwater</i>	
ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	Quote #
1							
2	<i>51110247-001</i>	<i>10/19/11</i>	<i>11:00</i>	<i>UM6-004-11018</i>	<i>W</i>	<i>13</i>	<i>X</i>
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

LAB COMMENTS <i>2.8°C</i>	Relinquished By (Signature/Printed) <i>Javi Nickerson</i>	DATE <i>10/18/11</i>	TIME <i>10:30</i>	Received By (Signature/Printed) <i>Ashley S. McLean</i>	DATE <i>10/18/11</i>	TIME <i>10:33</i>
SHIPPING INFO <input type="checkbox"/> UPS <input type="checkbox"/> Fed Express <input type="checkbox"/> US Mail <input type="checkbox"/> Hand Carried <input checked="" type="checkbox"/> Other	MATRIX CODES water <input checked="" type="checkbox"/> WT Soil SL Solid SD Trip Blank TB Other OT	TURNAROUND TIMES <input checked="" type="checkbox"/> Check desired service <input type="checkbox"/> Standard turnaround <input type="checkbox"/> RUSH - 5 Working Days <input type="checkbox"/> URGENT - < 2 Working Days Rush & Urgent Surcharges will be applied		COMPLIANCE INFORMATION Compliance Monitoring? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Program (SDWA, NPDES,...) PWSID / Permit # Chlorinated? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N Sample Disposal: Lab <input checked="" type="checkbox"/> Client		ADDITIONAL REMARKS <i>Kathy DDP</i>