



Monday, October 17, 2011

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

RE: Reno Creek Project
Orde

r No.: S1109121

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples UM7-002-110907 on September 7, 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: 10/17/2011

CLIENT: AUC LLC
Project: Reno Creek Project
Lab Order: S1109121

CASE NARRATIVE
Report ID: S1109121001

Sample UM7-002-110907 was received on September 7, 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

S1109121-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory
LCS-R74785 - General Parameters/Radon-222 - Analyzed by a contract laboratory
MB-R74785 - 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 10/17/2011
Report ID S1109121001

ProjectName: Reno Creek Project
Lab ID: S1109121-001
ClientSample ID: UM7-002-110907
COC: RC08375

WorkOrder: S1109121
CollectionDate: 9/7/2011 9:45:00 AM
DateReceived: 9/7/2011 4:28:00 PM
FieldSampler: TN
Matrix: Water

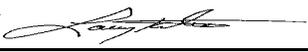
Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init
Field						
pH Reading 1	11.12	s.u.			Field	9/7/2011 9:45:00 AM
pH Reading 2	11.13	s.u.			Field	9/7/2011 9:45:00 AM
pH Reading 3	11.12	s.u.			Field	9/7/2011 9:45:00 AM
Conductivity Reading 1	677	µmhos/cm			Field	9/7/2011 9:45:00 AM
Conductivity Reading 2	672	µmhos/cm			Field	9/7/2011 9:45:00 AM
Conductivity Reading 3	665	µmhos/cm			Field	9/7/2011 9:45:00 AM
Turbidity Reading 1	3.1	NTU			Field	9/7/2011 9:45:00 AM
Turbidity Reading 2	3.1	NTU			Field	9/7/2011 9:45:00 AM
Turbidity Reading 3	2.7	NTU			Field	9/7/2011 9:45:00 AM
Dissolved Oxygen Reading 1	1.17	mg/L			Field	9/7/2011 9:45:00 AM
Dissolved Oxygen Reading 2	1.08	mg/L			Field	9/7/2011 9:45:00 AM
Dissolved Oxygen Reading 3	1.07	mg/L			Field	9/7/2011 9:45:00 AM
Temperature Reading 1	18.71	°C			Field	9/7/2011 9:45:00 AM
Temperature Reading 2	18.88	°C			Field	9/7/2011 9:45:00 AM
Temperature Reading 3	18.95	°C			Field	9/7/2011 9:45:00 AM
Oxygen Reduction Potential Reading	-180.5	mV			Field	9/7/2011 9:45:00 AM
Oxygen Reduction Potential Reading	-182.5	mV			Field	9/7/2011 9:45:00 AM
Oxygen Reduction Potential Reading	-182.7	mV			Field	9/7/2011 9:45:00 AM
Purge Rate Reading 1	190	ml/min			Field	9/7/2011 9:45:00 AM
Purge Rate Reading 2	190	ml/min			Field	9/7/2011 9:45:00 AM
Purge Rate Reading 3	190	ml/min			Field	9/7/2011 9:45:00 AM
Water Level Reading 1	187.87	Ft			Field	9/7/2011 9:45:00 AM
Water Level Reading 2	187.98	Ft			Field	9/7/2011 9:45:00 AM
Water Level Reading 3	188.10	Ft			Field	9/7/2011 9:45:00 AM

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: S1109121-001
ClientSample ID: UM7-002-110907
COC: RC08375

Date Reported 10/17/2011
Report ID S1109121001
WorkOrder: S1109121
CollectionDate: 9/7/2011 9:45:00 AM
DateReceived: 9/7/2011 4:28:00 PM
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: S1109121-001
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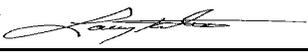
Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	9/9/2011 2:25:12 PM	DG
Arsenic	0.005	mg/L		0.001	EPA 200.8	9/8/2011 1:23:28 PM	MS
Barium	ND	mg/L		0.1	EPA 200.8	9/8/2011 1:23:28 PM	MS
Boron	ND	mg/L		0.1	EPA 200.7	9/9/2011 2:25:12 PM	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	9/8/2011 1:23:28 PM	MS
Chromium	ND	mg/L		0.01	EPA 200.7	9/9/2011 2:25:12 PM	DG
Copper	ND	mg/L		0.01	EPA 200.8	9/8/2011 1:23:28 PM	MS
Iron	ND	mg/L		0.05	EPA 200.7	9/9/2011 2:25:12 PM	DG
Lead	ND	mg/L		0.01	EPA 200.8	9/8/2011 1:23:28 PM	MS
Manganese	ND	mg/L		0.01	EPA 200.7	9/9/2011 2:25:12 PM	DG
Mercury	ND	mg/L		0.001	EPA 245.1	9/13/2011 9:54:47 AM	BK
Molybdenum	ND	mg/L		0.01	EPA 200.8	9/8/2011 1:23:28 PM	MS
Nickel	ND	mg/L		0.05	EPA 200.7	9/9/2011 2:25:12 PM	DG
Selenium	ND	mg/L		0.005	EPA 200.8	9/8/2011 1:23:28 PM	MS
Uranium	0.0005	mg/L		0.0003	EPA 200.8	9/8/2011 1:23:28 PM	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	9/8/2011 1:23:28 PM	MS
Zinc	ND	mg/L		0.01	EPA 200.7	9/9/2011 2:25:12 PM	DG
Metals - Suspended							
Uranium	ND	mg/L		0.0003	EPA 200.8	9/20/2011 6:51:57 PM	MS
Metals - Total							
Iron	0.34	mg/L		0.05	EPA 200.7	9/12/2011 6:20:19 PM	DG
Manganese	ND	mg/L		0.01	EPA 200.7	9/12/2011 6:20:19 PM	DG

These results apply only to the samples tested.

RL - Reporting Limit

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Reviewed by: 
 Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

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1536 Cole Blvd
Lakewood, CO 80401
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Report ID S1109121001
WorkOrder: S1109121
CollectionDate: 9/7/2011 9:45:00 AM
DateReceived: 9/7/2011 4:28:00 PM
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
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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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Alkalinity

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	09/08/11 13:51	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	09/08/11 13:42	Alkalinity, Total (As CaCO3)	593	5	601		98.6	90 - 110	

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109068-005AD	09/08/11 15:14	Alkalinity, Bicarbonate as HCO3	11	5	11	1.66		20	
		Alkalinity, Carbonate as CO3	ND	5	ND			20	
		Alkalinity, Total (As CaCO3)	9	5	9	1.66		20	

Conductivity

Sample Type **MBLK** Units: µmhos/cm

Sample ID	RunNo: 74304	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	09/08/11 13:51	Electrical Conductivity	ND	5					

Sample Type **LCS** Units: µmhos/cm

Sample ID	RunNo: 74304	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	09/08/11 13:42	Electrical Conductivity	1100	5	1120		97.6	90 - 110	

Sample Type **DUP** Units: µmhos/cm

Sample ID	RunNo: 74304	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109068-005AD	09/08/11 15:14	Electrical Conductivity	24	5	25	2.03		20	

- Qualifiers:**
- B Analyte detected in the associated Method Blank
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 - L Analyzed by a contract laboratory
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 - 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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Dissolved Mercury by EPA 245.1 - Water

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

Sample ID	RunNo: 74493	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LRB	09/13/11 9:35	Mercury	ND	0.001					

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

Sample ID	RunNo: 74493	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	09/13/11 9:33	Mercury	0.002	0.001	0.002		94.3	85 - 115	

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

Sample ID	RunNo: 74493	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109121-001D	09/13/11 9:58	Mercury	0.002	0.001	0.00244	ND	88.9	70 - 130	

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

Sample ID	RunNo: 74493	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1109121-001D	09/13/11 10:00	Mercury	0.002	0.001	0.002	1.49	90.3	20	

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

Sample ID	RunNo: 74493	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109121-001D	09/13/11 9:56	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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

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

Sample ID	RunNo: 74371	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	09/09/11 13:51	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: 74371	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	09/09/11 13:53	Aluminum	1.0	0.1	1		99.5	85 - 115	
		Boron	1.0	0.1	1		96.9	85 - 115	
		Chromium	1.00	0.01	1		100	85 - 115	
		Iron	0.99	0.05	1		99.4	85 - 115	
		Manganese	1.03	0.02	1		103	85 - 115	
		Nickel	1.02	0.01	1		102	85 - 115	
		Zinc	1.01	0.01	1		101	85 - 115	

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

Sample ID	RunNo: 74371	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109134-002CS	09/09/11 14:55	Aluminum	0.5	0.1	0.5	ND	102	70 - 130	
		Boron	0.6	0.1	0.5	0.2	92.1	70 - 130	
		Chromium	0.49	0.01	0.5	ND	98.0	70 - 130	
		Iron	0.62	0.05	0.5	0.16	91.1	70 - 130	
		Manganese	0.54	0.02	0.5	0.05	97.0	70 - 130	
		Nickel	0.48	0.01	0.5	ND	95.8	70 - 130	
		Zinc	0.49	0.01	0.5	ND	97.7	70 - 130	

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

Sample ID	RunNo: 74371	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1109134-002CSD	09/09/11 14:57	Aluminum	0.5	0.1	0.5	2.93	105	20	
		Boron	0.6	0.1	0.6	1.34	93.8	20	
		Chromium	0.50	0.01	0.49	1.53	99.5	20	
		Iron	0.62	0.05	0.62	1.14	92.5	20	
		Manganese	0.55	0.02	0.54	2.12	99.3	20	
		Nickel	0.49	0.01	0.48	2.05	97.7	20	
		Zinc	0.50	0.01	0.49	1.64	99.3	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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Dissolved Metals by ICP - EPA 200.7 - Water

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

Sample ID	RunNo: 74371	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109134-001CD	09/09/11 14:50	Aluminum	ND	0.1	ND			20	
		Boron	0.2	0.1	0.2	1.18		20	
		Chromium	ND	0.01	ND			20	
		Iron	0.59	0.05	0.60	1.27		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: 74300	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	09/08/11 13:15	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: 74300	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	09/08/11 13:11	Arsenic	0.103	0.005	0.1		103	85 - 115	
		Barium	ND	0.5	0.1		100	85 - 115	
		Cadmium	0.102	0.002	0.1		102	85 - 115	
		Copper	0.10	0.01	0.1		99.2	85 - 115	
		Lead	0.10	0.02	0.1		99.1	85 - 115	
		Molybdenum	0.10	0.02	0.1		104	85 - 115	
		Selenium	0.103	0.005	0.1		103	85 - 115	
		Uranium	0.102	0.001	0.1		102	85 - 115	
		Vanadium	0.10	0.02	0.1		99.5	85 - 115	

- Qualifiers:**
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 - O Outside the Range of Dilutions
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 - 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: S1109121
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Date: 10/17/2011
Report ID: S1109121001

Dissolved Metals by ICPMS EPA 200.8 - Water

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

Sample ID	RunNo: 74300	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109121-001DS	09/08/11 13:31	Arsenic	1.16	0.005	1.1	ND	105	70 - 130	
		Barium	1.1	0.5	1.1	ND	102	70 - 130	
		Cadmium	1.17	0.002	1.1	ND	106	70 - 130	
		Copper	1.11	0.01	1.1	ND	101	70 - 130	
		Lead	1.09	0.02	1.1	ND	99.5	70 - 130	
		Molybdenum	1.19	0.02	1.1	ND	108	70 - 130	
		Selenium	1.17	0.005	1.1	ND	106	70 - 130	
		Uranium	1.13	0.001	1.1	ND	103	70 - 130	
		Vanadium	1.12	0.02	1.1	ND	101	70 - 130	

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

Sample ID	RunNo: 74300	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1109121-001DMSD	09/08/11 13:35	Arsenic	1.16	0.005	1.16	0.513	105	20	
		Barium	1.1	0.5	1.1	0.104	102	20	
		Cadmium	1.17	0.002	1.17	0.125	106	20	
		Copper	1.10	0.01	1.11	0.465	100	20	
		Lead	1.09	0.02	1.09	0.392	99.1	20	
		Molybdenum	1.19	0.02	1.19	0.219	108	20	
		Selenium	1.16	0.005	1.17	0.450	106	20	
		Uranium	1.14	0.001	1.13	0.631	103	20	
		Vanadium	1.10	0.02	1.12	1.37	100	20	

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

Sample ID	RunNo: 74300	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109121-001DD	09/08/11 13:27	Arsenic	ND	0.005	ND			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:**
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ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Fluoride by SM 4500

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	09/08/11 13:51	Fluoride	ND	0.1					

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	09/08/11 13:42	Fluoride	3.0	0.1	2.96		99.7	90 - 110	

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109134-003ASPK	09/08/11 21:13	Fluoride	2.7	0.1	2.5	0.3	96.4	80 - 120	

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109113-001ED	09/08/11 18:48	Fluoride	0.9	0.1	0.9	0.479		20	

Gross Alpha, Beta by SM 7110B

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

Sample ID	RunNo: 75326	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-273	10/03/11 15:14	Gross Alpha (Dissolved)	ND	2					
		Gross Beta (Dissolved)	ND	3					

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

Sample ID	RunNo: 75326	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-273	10/03/11 15:14	Gross Alpha (Dissolved)	83	2	73.6		112	83 - 133	
		Gross Beta (Dissolved)	135	3	126		107	88 - 115	

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

Sample ID	RunNo: 75326	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108612-001FMS	10/03/11 15:14	Gross Alpha (Dissolved)	210	2	147	83	86.6	48 - 153	
		Gross Beta (Dissolved)	302	4	252	38	105	60 - 140	

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

Sample ID	RunNo: 75326	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109004-002GDUP	10/03/11 15:14	Gross Alpha (Dissolved)	9	2	10	14.4		20	
		Gross Beta (Dissolved)	11	3	9	19.5		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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Anions by ION Chromatography

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

Sample ID	RunNo: 74469	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	09/12/11 10:36	Chloride	ND	1					
		Sulfate	ND	1					

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

Sample ID	RunNo: 74469	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DIONEX	09/12/11 10:49	Chloride	31	1	30		102	90 - 110	
		Sulfate	146	1	150		97.7	90 - 110	

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

Sample ID	RunNo: 74469	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108615-001ASPK	09/13/11 2:51	Chloride	6	1	5	ND	118	80 - 120	
		Sulfate	61	1	40	24	92.6	80 - 120	

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

Sample ID	RunNo: 74469	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108615-001AD	09/13/11 2:38	Chloride	ND	1	ND			20	
		Sulfate	24	1	24	0.381		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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

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

Sample ID	RunNo: 74370	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	09/09/11 13:51	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

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

Sample ID	RunNo: 74370	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	09/09/11 13:56	Calcium	41	1	40		101	85 - 115	
		Magnesium	41	1	40		102	85 - 115	
		Potassium	41	1	40		103	85 - 115	
		Sodium	40	1	40		101	85 - 115	

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

Sample ID	RunNo: 74370	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109135-005AS	09/09/11 15:25	Calcium	1040	1	550	557	88.5	70 - 130	
		Magnesium	1010	1	550	517	90.1	70 - 130	
		Potassium	619	1	550	21	109	70 - 130	
		Sodium	944	1	550	357	107	70 - 130	

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

Sample ID	RunNo: 74370	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1109135-005ASD	09/09/11 15:27	Calcium	1040	1	1040	0.493	87.6	20	
		Magnesium	1020	1	1010	0.395	90.9	20	
		Potassium	614	1	619	0.822	108	20	
		Sodium	936	1	944	0.918	105	20	

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

Sample ID	RunNo: 74370	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109135-004AD	09/09/11 15:20	Calcium	344	1	344	0.116		20	
		Magnesium	503	1	504	0.173		20	
		Potassium	13	1	13	0.428		20	
		Sodium	189	1	190	0.351		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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Nitrogen, Ammonia (as N)

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

Sample ID	RunNo: 74709	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	09/16/11 17:34	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 74709	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	09/16/11 17:36	Nitrogen, Ammonia (As N)	10.2	0.1	10		102	90 - 110	

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

Sample ID	RunNo: 74709	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109122-001C	09/16/11 18:21	Nitrogen, Ammonia (As N)	10.8	0.1	10	1.1	97.1	80 - 120	

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

Sample ID	RunNo: 74709	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109122-001C	09/16/11 18:20	Nitrogen, Ammonia (As N)	1.2	0.1	1.1	11.4		20	

Nitrogen, Nitrate-Nitrite (as N)

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

Sample ID	RunNo: 74701	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	09/17/11 15:48	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 74701	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	09/17/11 15:50	Nitrogen, Nitrate-Nitrite (as N)	2.4	0.1	2.31		104	90 - 110	

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

Sample ID	RunNo: 74701	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109157-001C	09/17/11 16:23	Nitrogen, Nitrate-Nitrite (as N)	9.8	0.1	10	ND	98.2	80 - 120	

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

Sample ID	RunNo: 74701	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109157-001C	09/17/11 16:22	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1	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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Lead 210 and Polonium 210

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

Sample ID	RunNo: 75583	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-272 10/10/11 15:29 Lead 210 (Dissolved) ND 1

Sample ID	RunNo: 75584	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-272 10/10/11 12:50 Polonium 210 (Dissolved) ND 1

Sample ID	RunNo: 75696	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-272 10/11/11 16:16 Lead 210 (Suspended) ND 1

Sample ID	RunNo: 75697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-272 10/11/11 12:40 Polonium 210 (Suspended) ND 1

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

Sample ID	RunNo: 75583	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-272 10/10/11 15:29 Lead 210 (Dissolved) 15 1 12.9 113 67.6 - 131

Sample ID	RunNo: 75584	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-272 PO 10/10/11 12:50 Polonium 210 (Dissolved) 3 1 2.42 119 35.1 - 175

Sample ID	RunNo: 75696	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-272 10/11/11 16:16 Lead 210 (Suspended) 14 1 12.9 108 60.3 - 141

Sample ID	RunNo: 75697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-272 10/11/11 12:40 Polonium 210 (Suspended) 12 1 12.9 93.2 48.6 - 156

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

Sample ID	RunNo: 75583	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108611-001FMS 10/10/11 15:29 Lead 210 (Dissolved) 20 1 12.9 6 103 66 - 133

Sample ID	RunNo: 75584	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108611-001FMS 10/10/11 12:50 Polonium 210 (Dissolved) 9 1 12.9 ND 71.4 20.9 - 160

Sample ID	RunNo: 75696	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108611-001FMS 10/11/11 16:16 Lead 210 (Suspended) 22 1 12.9 8 109 62.4 - 132

Sample ID	RunNo: 75697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108611-001FMS 10/11/11 12:40 Polonium 210 (Suspended) 14 1 12.9 3 82.1 28 - 173

- 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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Lead 210 and Polonium 210

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

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1108582-001FDUP 10/10/11 15:29 Lead 210 (Dissolved) ND 1 ND 20

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1108582-001FDUP 10/10/11 12:50 Polonium 210 (Dissolved) ND 1 ND 20

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1109170-002EDUP 10/12/11 9:01 Lead 210 (Suspended) ND 1 ND 20

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1109170-002EDUP 10/11/11 14:56 Polonium 210 (Suspended) ND 1 ND 20

Radium 228

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-280 10/12/11 17:30 Radium 228 (Dissolved) ND 1

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-280 10/12/11 17:30 Radium 228 (Dissolved) 9 1 9.92 95.5 74.9 - 122

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1109156-001FMS 10/12/11 17:30 Radium 228 (Dissolved) 9 1 9.92 ND 86.3 48.4 - 167

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

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1109157-001FDUP 10/12/11 17:30 Radium 228 (Dissolved) ND 1 1 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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

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

Sample ID	RunNo: 75128	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-264	09/28/11 9:29	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 75347	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-271	10/03/11 18:27	Radium 226 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 75128	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-264	09/28/11 9:29	Radium 226 (Dissolved)	5.0	0.2	5.06		98.6	62.5 - 125	

Sample ID	RunNo: 75347	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-271	10/03/11 18:27	Radium 226 (Suspended)	4.8	0.2	5.06		93.9	56.4 - 132	

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

Sample ID	RunNo: 75128	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109169-001EMS	09/28/11 0:00	Radium 226 (Dissolved)	9.4	0.2	5.06	4.8	90.6	41.6 - 146	

Sample ID	RunNo: 75347	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109169-002EMS	10/03/11 18:27	Radium 226 (Suspended)	4.8	0.2	5.06	ND	95.5	51.4 - 135	

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

Sample ID	RunNo: 75128	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109165-001EDUP	09/28/11 0:00	Radium 226 (Dissolved)	0.3	0.2	0.3	14.7		20	

Sample ID	RunNo: 75347	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109162-001EDUP	10/03/11 18:27	Radium 226 (Suspended)	0.8	0.2	0.7	19.8		20	

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

Sample ID	RunNo: 75688	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-277	10/10/11 9:11	Thorium 230 (Dissolved)	ND	0.2					
		Thorium 230 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 75688	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-277	10/10/11 9:11	Thorium 230 (Dissolved)	12	0.2	12		98.8	67.1 - 134	
		Thorium 230 (Suspended)	12	0.2	12		98.8	69.2 - 127	

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

Sample ID	RunNo: 75688	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109090-001FDUP	10/11/11 9:06	Thorium 230 (Suspended)	ND	0.2	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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

Radon 222 by SM7500-RN

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

Sample ID	RunNo: 74785	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R74785	09/09/11 0:00	Radon-222	ND	50					L

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

Sample ID	RunNo: 74785	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R74785	09/09/11 0:00	Radon-222	23100	100	22500		103	75 - 125	L

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

Sample ID	RunNo: 74785	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109121-001A	09/09/11 0:00	Radon-222	1090	50	1200	9.17		20	L

Silica as SiO2

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

Sample ID	RunNo: 74373	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	09/09/11 13:51	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 74373	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	09/09/11 13:53	Silica as SiO2	2.2	0.1	2.14		102	85 - 115	

Solids By SM 2540

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

Sample ID	RunNo: 74459	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	09/08/11 13:40	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 74459	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CONTROL	09/08/11 13:45	Total Dissolved Solids (180)	220	10	226		97.3	90 - 110	

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

Sample ID	RunNo: 74459	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109119-006B	09/08/11 15:15	Total Dissolved Solids (180)	3790	10	4030	5.96		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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

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

Sample ID	RunNo: 74452	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-5452	09/12/11 19:53	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 74452	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-5452	09/12/11 18:17	Iron	0.50	0.05	0.5		101	85 - 115	
		Manganese	0.20	0.02	0.2		102	85 - 115	

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

Sample ID	RunNo: 74452	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109122-001ES	09/12/11 18:34	Iron	0.63	0.05	0.5	0.14	97.8	70 - 130	
		Manganese	0.21	0.02	0.2	ND	102	70 - 130	

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

Sample ID	RunNo: 74452	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109121-001ED	09/12/11 18:22	Iron	0.30	0.05	0.34	11.0		20	
		Manganese	ND	0.02	ND			20	

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

Sample ID	RunNo: 74839	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	09/20/11 14:11	Uranium Suspended	ND	0.0003					

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

Sample ID	RunNo: 74839	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	09/20/11 14:07	Uranium Suspended	0.0981	0.0003	0.1		98.1	85 - 115	

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

Sample ID	RunNo: 74839	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1109090-001FS	09/20/11 18:35	Uranium Suspended	1.08	0.0003	1.1	ND	98.3	70 - 130	

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

Sample ID	RunNo: 74839	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1109090-001FMSD	09/20/11 18:39	Uranium Suspended	1.07	0.0003	1.08	0.655	97.6	20	

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

Sample ID	RunNo: 74839	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109090-001FD	09/20/11 18:31	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: S1109121
Project: Reno Creek Project

Date: 10/17/2011
Report ID: S1109121001

pH Water

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	09/08/11 13:42	pH	8.6	0.1	8.48		101	90 - 110	

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

Sample ID	RunNo: 74304	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1109068-005AD	09/08/11 15:14	pH	7.1	0.1	7.1	0.119		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) 682-9945

This is a LEGAL DOCUMENT. All shaded fields must be completed. See reverse for instructions. #RC 08375

- CHAIN OF CUSTODY RECORD -

Client Name AUC LLC		Report Address p.cavendor@auc-llc.com; thickerson@reccorp.com; jshriver@reccorp.com		Project Identification Reno Creek Project		Sampler (Signature/Printed) <i>Jacqui Nickerson</i>		Telephone #																						
Invoice Address AUC LLC 900 Weaver Ct. Ste 150 Gaspen Wyo 82604		Contact Name <i>Jacqui Nickerson</i>		Email thickerson@reccorp.com		Phone 307-265-0696		Purchase Order #																						
Report Address p.cavendor@auc-llc.com; thickerson@reccorp.com; jshriver@reccorp.com		Project Identification Reno Creek Project		Sampler (Signature/Printed) <i>Jacqui Nickerson</i>		Telephone #		ANALYSES PARAMETERS																						
ITEM		LAB ID (Lab Use Only)		DATE SAMPLED		TIME		SAMPLE IDENTIFICATION		# of Containers		See Attached Table (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)		REMARKS				
1																														
2	51109121		9/11	9:45	UM77-002-110907	W	13	X																						
3																														
4																														
5																														
6																														
7																														
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14																														
LAB COMMENTS		Relinquished By (Signature/Printed)		DATE		TIME		Received By (Signature/Printed)		DATE		TIME																		
2.9		<i>Jacqui Nickerson</i>		9/11		15:45		<i>Nathaly Bomp</i>		9/17/11		16:28																		
SHIPPING INFO		MATRIX CODES		TURNAROUND TIMES		COMPLIANCE INFORMATION		ADDITIONAL REMARKS																						
<input type="checkbox"/> UPS		<input checked="" type="checkbox"/> Water		<input type="checkbox"/> Check desired service		<input type="checkbox"/> Compliance Monitoring? Program (SDWA, NPDES,...)																								
<input type="checkbox"/> Fed Express		<input type="checkbox"/> Soil		<input checked="" type="checkbox"/> Standard turnaround		<input type="checkbox"/> Chlorinated?																								
<input type="checkbox"/> US Mail		<input type="checkbox"/> Solid		<input type="checkbox"/> RUSH - 5 Working Days		<input type="checkbox"/> PWSID / Permit #																								
<input type="checkbox"/> Hand Carried		<input type="checkbox"/> Trip Blank		<input type="checkbox"/> URGENT - < 2 Working Days		<input type="checkbox"/> Sample Disposal: Lab																								
<input checked="" type="checkbox"/> Other		<input type="checkbox"/> Other		Rush & Urgent Surcharges will be applied		<input checked="" type="checkbox"/> Client																								