



Tuesday, August 23, 2011

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

RE: Reno Creek Project
Orde

r No.: S1107419

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples OM3-001-110722 on July 26, 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: 8/23/2011

CLIENT: AUC LLC
Project: Reno Creek Project
Lab Order: S1107419

CASE NARRATIVE
Report ID: S1107419001

Sample OM3-001-110722 was received on July 26, 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 Energy Laboratories, Inc (ELI) NEHA Certification #: 101188 AL

Qualifiers by sample

S1107454-001 - Radiochemistry/Lead 210 (Dissolved) - RPD outside accepted recovery limits
S1107419-001 - Radiochemistry/Gross Beta (Dissolved) - RPD outside accepted recovery limits
S1107419-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory
LCS-R73361 - General Parameters/Radon-222 - Analyzed by a contract laboratory
MB-R73361 - General Parameters/Radon-222 - Analyzed by a contract laboratory
S1107421-001 - Cations/Calcium - Spike Recovery outside accepted recovery limits (1)
S1107421-001 - Cations/Sodium - Spike Recovery outside accepted recovery limits (1)

(1) Spike recovery outside acceptance criteria due to presence of analyte in the sample that greatly exceeded level of spike used. Data approved because all other QC were within acceptance 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: S1107419-001
ClientSample ID: OM3-001-110722
COC: RC 08331

Date Reported 8/23/2011
Report ID S1107419001
WorkOrder: S1107419
CollectionDate: 7/22/2011 4:45:00 PM
DateReceived: 7/26/2011 11:30:00 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
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FieldSampler: TN
Matrix: Water

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO3)	205	mg/L		5	SM 2320B	7/27/2011 5:01:52 PM	AMB
Alkalinity, Bicarbonate as HCO3	14	mg/L		5	SM 2320B	7/27/2011 5:01:52 PM	AMB
Alkalinity, Carbonate as CO3	116	mg/L		5	SM 2320B	7/27/2011 5:01:52 PM	AMB
Chloride	6	mg/L		1	EPA 300.0	8/1/2011 2:18:00 PM	ARF
Fluoride	0.6	mg/L		0.1	SM 4500FC	7/27/2011 5:01:52 PM	AMB
Nitrogen, Nitrate-Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	7/30/2011 4:39:00 PM	MEL
Sulfate	29	mg/L		1	EPA 300.0	8/1/2011 2:18:00 PM	ARF
Calcium	13	mg/L		1	EPA 200.7	7/27/2011 7:26:24 PM	DG
Magnesium	1	mg/L		1	EPA 200.7	7/27/2011 7:26:24 PM	DG
Potassium	23	mg/L		1	EPA 200.7	7/27/2011 7:26:24 PM	DG
Sodium	79	mg/L		1	EPA 200.7	7/27/2011 7:26:24 PM	DG
Nitrogen, Ammonia (As N)	0.6	mg/L		0.1	EPA 350.1	7/28/2011 12:10:00 PM	MEL
Silica as SiO2	7	mg/L		1	EPA 200.7	7/27/2011 7:26:24 PM	DG
General Parameters							
pH	10.6	s.u.		0.1	SM 4500 H B	7/27/2011 5:01:52 PM	AMB
Electrical Conductivity	550	µmhos/cm		5	SM 2510B	7/27/2011 5:01:52 PM	AMB
Total Dissolved Solids (180)	330	mg/L		10	SM 2540	7/27/2011 3:10:00 PM	JF
Data Quality							
Cation Sum	4.79	meq/L		0.01	SM 1030E	8/9/2011 9:46:33 AM	LJK
Anion Sum	4.88	meq/L		0.01	SM 1030E	8/9/2011 9:46:33 AM	LJK
Cation-Anion Balance (± 5%)	0.97	%		0.01	SM 1030E	8/9/2011 9:46:33 AM	LJK
Solids, Total Dissolved (Calc)	280	mg/L		10	SM 1030E	8/9/2011 9:46:33 AM	LJK
Calculated TDS/TDS Ratio (0.80-1.20)	1.19	dec. %		0.01	Calculation	8/9/2011 9:58:30 AM	LJK

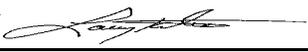
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Reviewed by: 
Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401
ProjectName: Reno Creek Project
Lab ID: S1107419-001
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Report ID S1107419001
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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).

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Lacey Ketron, Water Lab Supervisor



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 1536 Cole Blvd
 Lakewood, CO 80401

ProjectName: Reno Creek Project
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Report ID: S1107419001

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CollectionDate: 7/22/2011 4:45:00 PM
DateReceived: 7/26/2011 11:30:00 AM
FieldSampler: TN
Matrix: Water

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Radionuclides - Dissolved							
Gross Alpha	10.0	pCi/L		2	SM 7110B	8/4/2011 9:33:20 AM	SH
Gross Alpha Precision (±)	1.9	pCi/L			SM 7110B	8/4/2011 9:33:20 AM	SH
Gross Beta	19.8	pCi/L		3	SM 7110B	8/4/2011 9:33:20 AM	SH
Gross Beta Precision (±)	2.0	pCi/L			SM 7110B	8/4/2011 9:33:20 AM	SH
Lead 210	1.0	pCi/L		1	OTW01	8/16/2011 11:09:09 AM	SH
Lead 210 Precision (±)	0.5	pCi/L			OTW01	8/16/2011 11:09:09 AM	SH
Polonium 210	ND	pCi/L		1	OTW01	8/15/2011 5:07:53 PM	SH
Polonium 210 Precision (±)	NA	pCi/L			OTW01	8/15/2011 5:07:53 PM	SH
Radium 226	0.9	pCi/L		0.2	SM 7500-Ra B	8/9/2011 8:57:00 AM	SH
Radium 226 Precision (±)	0.1	pCi/L			SM 7500-Ra B	8/9/2011 8:57:00 AM	SH
Radium 228	ND	pCi/L		1	Ra-05	8/11/2011 5:51:00 PM	SH
Radium 228 Precision (±)	NA	pCi/L			Ra-05	8/11/2011 5:51:00 PM	SH
Thorium 230	ND	pCi/L		0.2	ACW10	8/10/2011 8:38:00 AM	SH
Thorium 230 Precision (±)	NA	pCi/L			ACW10	8/10/2011 8:38:00 AM	SH
Radionuclides - Suspended							
Lead 210	ND	pCi/L		1	OTW01	8/18/2011 9:45:12 AM	SH
Lead 210 Precision (±)	NA	pCi/L			OTW01	8/18/2011 9:45:12 AM	SH
Polonium 210	ND	pCi/L		1	OTW01	8/16/2011 4:44:41 PM	SH
Polonium 210 Precision (±)	NA	pCi/L			OTW01	8/16/2011 4:44:41 PM	SH
Radium 226	ND	pCi/L		0.2	SM 7500-Ra B	8/15/2011 3:02:00 PM	SH
Radium 226 Precision (±)	NA	pCi/L			SM 7500-Ra B	8/15/2011 3:02:00 PM	SH
Thorium 230	ND	pCi/L		0.2	ACW10	8/15/2011 1:58:00 PM	SH
Thorium 230 Precision (±)	NA	pCi/L			ACW10	8/15/2011 1:58:00 PM	SH
Radionuclides - Total							
Radon 222	653	pCi/L	L	100	SM7500-RN	7/25/2011 2:54:00 PM	LJK
Radon 222 Precision (±)	55.8	pCi/L	L		SM7500-RN	7/25/2011 2:54:00 PM	LJK

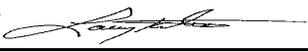
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Reviewed by: 
 Lacey Ketron, Water Lab Supervisor



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

Alkalinity

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

Sample ID	RunNo: 72697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	07/27/11 15:35	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo: 72697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	07/27/11 15:26	Alkalinity, Total (As CaCO3)	596	5	601		99.3	90 - 110	

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

Sample ID	RunNo: 72697	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107436-001AD	07/27/11 20:12	Alkalinity, Bicarbonate as HCO3	1610	5	1680	4.18		20	
		Alkalinity, Carbonate as CO3	14	5	17	13.6		20	
		Alkalinity, Total (As CaCO3)	1340	5	1400	4.36		20	

Conductivity

Sample Type **MBLK** Units: µmhos/cm

Sample ID	RunNo: 72697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	07/27/11 15:35	Electrical Conductivity	ND	5					

Sample Type **LCS** Units: µmhos/cm

Sample ID	RunNo: 72697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	07/27/11 15:26	Electrical Conductivity	1100	5	1120		97.7	90 - 110	

Sample Type **DUP** Units: µmhos/cm

Sample ID	RunNo: 72697	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107436-001AD	07/27/11 20:12	Electrical Conductivity	2400	5	2400	0		20	

- Qualifiers:**
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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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

Dissolved Mercury by EPA 245.1 - Water

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

Sample ID	RunNo: 72886	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LRB	08/01/11 11:18	Mercury	ND	0.001					

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

Sample ID	RunNo: 72886	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	08/01/11 11:16	Mercury	0.002	0.001	0.002		93.3	85 - 115	

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

Sample ID	RunNo: 72886	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107419-001D	08/01/11 13:26	Mercury	0.002	0.001	0.00244	ND	93.5	70 - 130	

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

Sample ID	RunNo: 72886	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1107419-001D	08/01/11 13:28	Mercury	0.002	0.001	0.002	0.758	92.8	20	

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

Sample ID	RunNo: 72886	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107419-001D	08/01/11 13:25	Mercury	ND	0.001	ND			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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

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

Sample ID	RunNo: 72707	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	07/27/11 10:46	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: 72707	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	07/27/11 10:48	Aluminum	1.0	0.1	1		103	85 - 115	
		Boron	1.0	0.1	1		102	85 - 115	
		Chromium	1.05	0.01	1		105	85 - 115	
		Iron	1.00	0.05	1		100	85 - 115	
		Manganese	1.00	0.02	1		99.6	85 - 115	
		Nickel	1.03	0.01	1		103	85 - 115	
		Zinc	0.99	0.01	1		99.3	85 - 115	

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

Sample ID	RunNo: 72707	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107432-001DS	07/27/11 20:40	Aluminum	4.8	0.1	5.5	ND	87.1	70 - 130	
		Boron	5.6	0.1	5.5	0.7	89.3	70 - 130	
		Chromium	4.58	0.01	5.5	ND	83.4	70 - 130	
		Iron	4.64	0.05	5.5	ND	84.4	70 - 130	
		Manganese	4.58	0.02	5.5	0.07	82.1	70 - 130	
		Nickel	4.65	0.01	5.5	ND	84.6	70 - 130	
		Zinc	4.34	0.01	5.5	ND	79.0	70 - 130	

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

Sample ID	RunNo: 72707	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1107432-001DSD	07/27/11 20:42	Aluminum	5.3	0.1	4.8	9.75	95.7	20	
		Boron	6.0	0.1	5.6	7.65	97.0	20	
		Chromium	5.00	0.01	4.58	9.09	90.9	20	
		Iron	5.09	0.05	4.64	9.55	92.5	20	
		Manganese	4.99	0.02	4.58	8.90	89.5	20	
		Nickel	5.09	0.01	4.65	9.39	92.5	20	
		Zinc	4.64	0.01	4.34	6.92	84.4	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
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Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

Dissolved Metals by ICP - EPA 200.7 - Water

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

Sample ID	RunNo: 72707	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107420-002CD	07/27/11 19:33	Aluminum	ND	0.1	ND			20	
		Boron	ND	0.1	ND			20	
		Chromium	ND	0.01	ND			20	
		Iron	0.14	0.05	0.14	0.494		20	
		Manganese	0.14	0.02	0.14	0.991		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: 72623	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	07/26/11 12:34	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: 72623	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	07/26/11 12:30	Arsenic	0.099	0.005	0.1		99.4	85 - 115	
		Barium	ND	0.5	0.1		91.7	85 - 115	
		Cadmium	0.099	0.002	0.1		98.7	85 - 115	
		Copper	0.10	0.01	0.1		98.6	85 - 115	
		Lead	0.10	0.02	0.1		98.7	85 - 115	
		Molybdenum	0.11	0.02	0.1		105	85 - 115	
		Selenium	0.103	0.005	0.1		103	85 - 115	
		Uranium	0.099	0.001	0.1		98.8	85 - 115	
		Vanadium	0.10	0.02	0.1		98.1	85 - 115	

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ANALYTICAL QC SUMMARY REPORT

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Dissolved Metals by ICPMS EPA 200.8 - Water

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

Sample ID	RunNo: 72623	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107409-011CS	07/26/11 15:40	Arsenic	1.17	0.005	1.1	0.013	105	70 - 130	
		Barium	1.4	0.5	1.1	ND	103	70 - 130	
		Cadmium	0.983	0.002	1.1	ND	89.4	70 - 130	
		Copper	1.15	0.01	1.1	ND	104	70 - 130	
		Lead	1.12	0.02	1.1	ND	101	70 - 130	
		Molybdenum	1.15	0.02	1.1	ND	104	70 - 130	
		Selenium	1.18	0.005	1.1	ND	107	70 - 130	
		Uranium	1.11	0.001	1.1	ND	101	70 - 130	
		Vanadium	1.19	0.02	1.1	ND	107	70 - 130	

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

Sample ID	RunNo: 72623	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1107409-011CMSD	07/26/11 15:44	Arsenic	1.14	0.005	1.17	2.43	103	20	
		Barium	1.4	0.5	1.4	0.483	103	20	
		Cadmium	1.01	0.002	0.983	3.13	92.2	20	
		Copper	1.12	0.01	1.15	2.68	102	20	
		Lead	1.11	0.02	1.12	0.872	101	20	
		Molybdenum	1.16	0.02	1.15	0.791	105	20	
		Selenium	1.14	0.005	1.18	2.93	104	20	
		Uranium	1.11	0.001	1.11	0.0695	101	20	
		Vanadium	1.15	0.02	1.19	2.99	104	20	

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

Sample ID	RunNo: 72623	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107409-011CD	07/26/11 15:36	Arsenic	0.013	0.005	0.013	1.40		20	
		Barium	ND	0.5	ND			20	
		Cadmium	ND	0.002	ND			20	
		Copper	ND	0.01	ND			20	
		Lead	ND	0.02	ND			20	
		Molybdenum	ND	0.02	ND			20	
		Selenium	ND	0.005	ND			20	
		Uranium	ND	0.001	ND			20	
		Vanadium	ND	0.02	ND			20	

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

**ANALYTICAL QC SUMMARY REPORT**

CLIENT: AUC LLC
Work Order: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

Fluoride by SM 4500Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 72697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	07/27/11 15:35	Fluoride	ND	0.1					

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

Sample ID	RunNo: 72697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	07/27/11 15:26	Fluoride	3.0	0.1	2.96		103	90 - 110	

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

Sample ID	RunNo: 72697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107442-004ASPK	07/27/11 21:41	Fluoride	2.6	0.1	2.5	ND	105	80 - 120	

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

Sample ID	RunNo: 72697	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107420-002AD	07/27/11 17:32	Fluoride	0.4	0.1	0.4	0		20	

Gross Alpha, Beta by SM 7110BSample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 73052	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-214	08/04/11 9:33	Gross Alpha (Dissolved)	ND	2					
		Gross Beta (Dissolved)	ND	3					

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

Sample ID	RunNo: 73052	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-214	08/04/11 9:33	Gross Alpha (Dissolved)	84	2	73.6		115	83 - 133	
		Gross Beta (Dissolved)	135	3	126		107	88 - 115	

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

Sample ID	RunNo: 73052	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107454-001FMS	08/08/11 21:30	Gross Alpha (Dissolved)	136	2	147	5	88.8	48 - 153	
		Gross Beta (Dissolved)	285	4	252	21	105	60 - 140	

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

Sample ID	RunNo: 73052	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107419-001FDUP	08/04/11 9:33	Gross Alpha (Dissolved)	9	2	10	6.07		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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

Anions by ION Chromatography

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

Sample ID	RunNo: 72900	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	08/01/11 8:39	Chloride	ND	1					
		Sulfate	ND	1					

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

Sample ID	RunNo: 72900	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DIONEX	08/01/11 8:50	Chloride	31	1	30		103	90 - 110	
		Sulfate	142	1	150		94.9	90 - 110	

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

Sample ID	RunNo: 72900	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107427-001ASPK	08/01/11 15:38	Chloride	76	1	80	9	84.5	80 - 120	
		Sulfate	1180	1	640	570	95.0	80 - 120	

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

Sample ID	RunNo: 72900	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107427-001AD	08/01/11 15:26	Chloride	9	1	9	0.669		20	
		Sulfate	569	1	570	0.0929		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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

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

Sample ID	RunNo: 72698	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	07/27/11 10:46	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

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

Sample ID	RunNo: 72698	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	07/27/11 10:51	Calcium	40	1	40		99.7	85 - 115	
		Magnesium	41	1	40		101	85 - 115	
		Potassium	40	1	40		101	85 - 115	
		Sodium	39	1	40		96.7	85 - 115	

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

Sample ID	RunNo: 72698	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107421-001AS	07/27/11 19:38	Calcium	158	1	25	150	35.1	70 - 130	S
		Magnesium	80	1	25	62	73.8	70 - 130	
		Potassium	43	1	25	12	126	70 - 130	
		Sodium	281	1	25	287	-23.9	70 - 130	S

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

Sample ID	RunNo: 72698	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1107421-001ASD	07/27/11 19:40	Calcium	159	1	158	0.446	37.9	20	
		Magnesium	82	1	80	1.85	79.7	20	
		Potassium	44	1	43	2.95	131	20	
		Sodium	279	1	281	0.479	-29.3	20	

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

Sample ID	RunNo: 72698	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107420-002AD	07/27/11 19:33	Calcium	173	1	171	0.825		20	
		Magnesium	23	1	23	0.815		20	
		Potassium	12	1	12	0.598		20	
		Sodium	34	1	34	1.03		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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

Nitrogen, Ammonia (as N)

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

Sample ID	RunNo: 72741	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	07/28/11 9:48	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 72741	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	07/28/11 9:50	Nitrogen, Ammonia (As N)	8.5	0.1	8.93		95.2	90 - 110	

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

Sample ID	RunNo: 72741	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107427-001C	07/28/11 12:22	Nitrogen, Ammonia (As N)	9.7	0.1	10	0.3	94.6	80 - 120	

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

Sample ID	RunNo: 72741	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107427-001C	07/28/11 12:21	Nitrogen, Ammonia (As N)	0.3	0.1	0.3	5.78		20	

Nitrogen, Nitrate-Nitrite (as N)

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

Sample ID	RunNo: 72829	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	07/30/11 14:58	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 72829	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	07/30/11 15:00	Nitrogen, Nitrate-Nitrite (as N)	10.2	0.1	10		102	90 - 110	

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

Sample ID	RunNo: 72829	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107425-001C	07/30/11 16:45	Nitrogen, Nitrate-Nitrite (as N)	9.7	0.1	10	ND	97.2	80 - 120	

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

Sample ID	RunNo: 72829	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107425-001C	07/30/11 16:44	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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

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

Sample ID	RunNo: 73546	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-217	08/16/11 11:09	Lead 210 (Dissolved)	ND	1					
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Sample ID	RunNo: 73549	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-217	08/15/11 17:07	Polonium 210 (Dissolved)	ND	1					
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Sample ID	RunNo: 73556	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-221	08/18/11 9:45	Lead 210 (Suspended)	ND	1					
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Sample ID	RunNo: 73557	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-221	08/16/11 16:44	Polonium 210 (Suspended)	ND	1					
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Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 73546	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-217	08/16/11 11:09	Lead 210 (Dissolved)	16	1	13		126	67.6 - 131	
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Sample ID	RunNo: 73549	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-217 PO	08/15/11 17:07	Polonium 210 (Dissolved)	4	1	3.21		130	35.1 - 175	
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Sample ID	RunNo: 73556	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-221	08/18/11 9:45	Lead 210 (Suspended)	13	1	13		96.9	60.3 - 141	
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Sample ID	RunNo: 73557	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-221	08/16/11 16:44	Polonium 210 (Suspended)	3	1	3.15		100	48.6 - 156	
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Sample Type **MS** Units: pCi/L

Sample ID	RunNo: 73546	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1107427-001FMS	08/16/11 11:09	Lead 210 (Dissolved)	110	1	13	101	70.1	66 - 133	
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Sample ID	RunNo: 73549	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1107427-001FMS	08/15/11 17:07	Polonium 210 (Dissolved)	16	1	13	10	43.0	20.9 - 160	
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Sample ID	RunNo: 73556	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1107418-001FMS	08/18/11 9:45	Lead 210 (Suspended)	13	1	13	ND	97.6	62.4 - 132	
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Sample ID	RunNo: 73557	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1107418-001FMS	08/16/11 16:44	Polonium 210 (Suspended)	13	1	13	ND	102	28 - 173	
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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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

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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S1107454-001FDUP	08/16/11 11:09	Lead 210 (Dissolved)	1	1	3	59.9		20	R
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Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1107454-001FDUP	08/15/11 17:07	Polonium 210 (Dissolved)	ND	1	ND			20	
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Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1107425-001FDUP	08/18/11 9:45	Lead 210 (Suspended)	ND	1	ND			20	
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Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1107425-001FDUP	08/16/11 16:44	Polonium 210 (Suspended)	ND	1	ND			20	
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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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MB11-220	08/11/11 17:51	Radium 228 (Dissolved)	ND	1					
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Sample Type **LCS** Units: pCi/L

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-220	08/11/11 17:51	Radium 228 (Dissolved)	9	1	9.3		93.0	74.9 - 122	
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Sample Type **DUP** Units: pCi/L

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1107420-001EDUP	08/11/11 17:51	Radium 228 (Dissolved)	9	1	9	6.12		20	
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- 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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

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

Sample ID	RunNo: 73377	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-213B	08/09/11 8:57	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 73444	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-220	08/15/11 15:02	Radium 226 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 73377	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-213B	08/09/11 8:57	Radium 226 (Dissolved)	5.4	0.2	5		109	62.5 - 125	

Sample ID	RunNo: 73444	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-220	08/15/11 15:02	Radium 226 (Suspended)	4.8	0.2	5		96.3	56.4 - 132	

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

Sample ID	RunNo: 73377	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107426-001FMS	08/09/11 8:57	Radium 226 (Dissolved)	5.2	0.2	5	0.3	98.3	41.6 - 146	

Sample ID	RunNo: 73444	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107427-001FMS	08/15/11 17:13	Radium 226 (Suspended)	10.5	0.2	5	6.4	83.2	51.4 - 135	

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

Sample ID	RunNo: 73377	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107425-001FDUP	08/09/11 8:57	Radium 226 (Dissolved)	0.4	0.2	0.5	8.36		20	

Sample ID	RunNo: 73444	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107426-001FDUP	08/15/11 15:02	Radium 226 (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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

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

Sample ID	RunNo: 73376	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-213	08/10/11 8:38	Thorium 230 (Dissolved)	ND	0.2					

Sample ID	RunNo: 73466	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DMB11-221	08/16/11 9:06	Thorium 230 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 73376	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-213	08/10/11 8:38	Thorium 230 (Dissolved)	12	0.2	12		99.8	67.1 - 134	

Sample ID	RunNo: 73466	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-221	08/15/11 8:38	Thorium 230 (Suspended)	13	0.2	12		102	69.2 - 127	

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

Sample ID	RunNo: 73376	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107418-001FDUP	08/10/11 8:38	Thorium 230 (Dissolved)	ND	0.2	ND			20	

Sample ID	RunNo: 73466	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108111-003EDUP	08/15/11 8:38	Thorium 230 (Dissolved)	ND	0.2	ND			20	

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

Sample ID	RunNo: 73361	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R73361	07/25/11 14:54	Radon-222	ND	100					L

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

Sample ID	RunNo: 73361	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R73361	07/25/11 14:54	Radon-222	530000	100	607000		87.3	70 - 130	L

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

Sample ID	RunNo: 73361	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107419-001A	07/25/11 14:54	Radon-222	600	100	700	4.13		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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

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

Sample ID	RunNo: 72708	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	07/27/11 10:46	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 72708	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	07/27/11 10:48	Silica as SiO2	2.1	0.1	2.14		95.9	85 - 115	

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

Sample ID	RunNo: 72708	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107420-002CD	07/27/11 19:33	Silica as SiO2	27.0	0.1	26.1	3.37		20	

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

Sample ID	RunNo: 72950	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	07/27/11 11:10	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 72950	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CONTROL	07/27/11 11:15	Total Dissolved Solids (180)	230	10	226		103	90 - 110	

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

Sample ID	RunNo: 72950	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107364-002A	07/27/11 11:50	Total Dissolved Solids (180)	5200	5	5210	0.192		20	

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

Sample ID	RunNo: 72763	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-5338	07/28/11 17:27	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 72763	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-5338	07/28/11 17:29	Iron	0.49	0.05	0.5		97.1	85 - 115	
		Manganese	0.19	0.02	0.2		96.8	85 - 115	

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

Sample ID	RunNo: 72763	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107418-001ED	07/28/11 17:34	Iron	0.52	0.05	0.51	1.47		20	
		Manganese	0.18	0.02	0.18	0.394		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: S1107419
Project: Reno Creek Project

Date: 8/23/2011
Report ID: S1107419001

Suspended Natural Uranium

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

Sample ID	RunNo: 73195	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	08/09/11 12:49	Uranium Suspended	ND	0.0003					

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

Sample ID	RunNo: 73195	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	08/09/11 12:45	Uranium Suspended	0.105	0.0003	0.1		105	85 - 115	

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

Sample ID	RunNo: 73195	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1107418-001FS	08/09/11 14:18	Uranium Suspended	1.14	0.0003	1.1	ND	103	70 - 130	

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

Sample ID	RunNo: 73195	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107418-001FD	08/09/11 14:14	Uranium Suspended	ND	0.0003	ND			20	

pH Water

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

Sample ID	RunNo: 72697	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	07/27/11 15:26	pH	8.5	0.1	8.48		100	90 - 110	

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

Sample ID	RunNo: 72697	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1107436-001AD	07/27/11 20:12	pH	8.3	0.1	8.3	0.179		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) 672-9845

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- CHAIN OF CUSTODY RECORD -

Client Name AUC LLC		Report Address pcavendor@auc-llc.com; mickerson@treccorp.com; jehriver@treccorp.com		Project Identification Reno Creek Project		Sampler (Signature/Printed) <i>Traci Mickerson</i>		Telephone #					
Invoice Address AUC LLC 990 Chance Ct. Ste 150 Casper WY 82404		Contact Name <i>Traci Mickerson</i>		Email <i>tmickerson@treccorp.com</i>		Phone <i>307-265-0696</i>		Purchase Order #					
LAB ID		DATE SAMPLED		SAMPLE IDENTIFICATION		Matrix		# of Containers					
1													
2		7/22/11 16:45		OM3-001-110722		W		10 X					
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
LAB COMMENTS 80.0°C <i>Sample Relinquished by Traci Mickerson 8/5/11 12:00 PM to the Press</i>		Relinquished By (Signature/Printed)		DATE 8/5/11		TIME 12:00		Received By (Signature/Printed) <i>Traci Mickerson</i>		DATE 7/26/11		TIME 11:30	
SHIPPING INFO		MATRIX CODES		TURNAROUND TIMES		COMPLIANCE INFORMATION		ADDITIONAL REMARKS					
<input type="checkbox"/> UPS <input checked="" type="checkbox"/> Fed Express <input type="checkbox"/> US Mail <input type="checkbox"/> Hand Carried <input type="checkbox"/> Other _____		<input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Solid <input type="checkbox"/> Trip Blank <input type="checkbox"/> Other _____		<input type="checkbox"/> Check desired service <input checked="" 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 Monitoring? Program (SDWA, NPDES,...) PWSID / Permit # Chlorinated? Sample Disposal: Lab		<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> Client					