



Tuesday, April 10, 2012

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

RE: Reno Creek Project
Orde

r No.: S1203095

Dear Phil Cavendor:

Inter-Mountain Laboratories received sample UM3R-003-120307 on March 7, 2012.

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: 4/10/2012

CLIENT: AUC LLC
Project: Reno Creek Project
Lab Order: S1203095

CASE NARRATIVE
Report ID: S1203095001

Sample UM3R-003-120307 was received on March 7, 2012.

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

S1203095-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory
LCS-R81054 - General Parameters/Radon-222 - Analyzed by a contract laboratory
MB-R81054 - General Parameters/Radon-222 - Analyzed by a contract laboratory
S1203094-003 - Anions/Chloride - Spike Recovery outside accepted recovery limits (1)

(1) Spike failed due to possible matrix interference from the sample.

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: S1203095-001
ClientSample ID: UM3R-003-120307
COC: RC 08268

Date Reported: 4/10/2012
Report ID: S1203095001
WorkOrder: S1203095
CollectionDate: 3/7/2012 9:30:00 AM
DateReceived: 3/7/2012 3:52:00 PM
FieldSampler: TN
Matrix: Water

Comments

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

These results apply only to the samples tested.

RL - Reporting Limit

- Qualifiers: * Value exceeds Maximum Contaminant Level, C Calculated Value, H Holding times for preparation or analysis exceeded, L Analyzed by a contract laboratory, ND Not Detected at the Reporting Limit, S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank, E Value above quantitation range, J Analyte detected below quantitation limits, M Value exceeds Monthly Ave or MCL, O Outside the Range of Dilutions

Reviewed by: [Signature]
Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401
ProjectName: Reno Creek Project
Lab ID: S1203095-001
ClientSample ID: UM3R-003-120307
COC: RC 08268

Date Reported: 4/10/2012
Report ID: S1203095001
WorkOrder: S1203095
CollectionDate: 3/7/2012 9:30:00 AM
DateReceived: 3/7/2012 3:52:00 PM
FieldSampler: TN
Matrix: Water

Comments

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

These results apply only to the samples tested.

RL - Reporting Limit

- Qualifiers: * Value exceeds Maximum Contaminant Level, C Calculated Value, H Holding times for preparation or analysis exceeded, L Analyzed by a contract laboratory, ND Not Detected at the Reporting Limit, S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank, E Value above quantitation range, J Analyte detected below quantitation limits, M Value exceeds Monthly Ave or MCL, O Outside the Range of Dilutions

Reviewed by: [Signature]
Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

Company: AUC LLC
 1536 Cole Blvd
 Lakewood, CO 80401

ProjectName: Reno Creek Project
Lab ID: S1203095-001
ClientSample ID: UM3R-003-120307
COC: RC 08268

Date Reported: 4/10/2012
Report ID: S1203095001

WorkOrder: S1203095
CollectionDate: 3/7/2012 9:30:00 AM
DateReceived: 3/7/2012 3:52:00 PM
FieldSampler: TN
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	03/09/2012 1342	DG
Arsenic	0.001	mg/L		0.001	EPA 200.8	03/09/2012 1805	MS
Barium	ND	mg/L		0.1	EPA 200.8	03/09/2012 1805	MS
Boron	ND	mg/L		0.1	EPA 200.7	03/09/2012 1342	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	03/09/2012 1805	MS
Chromium	ND	mg/L		0.01	EPA 200.7	03/09/2012 1342	DG
Copper	ND	mg/L		0.01	EPA 200.8	03/09/2012 1805	MS
Iron	ND	mg/L		0.05	EPA 200.7	03/09/2012 1342	DG
Lead	ND	mg/L		0.01	EPA 200.8	03/09/2012 1805	MS
Manganese	ND	mg/L		0.01	EPA 200.7	03/09/2012 1342	DG
Mercury	ND	mg/L		0.001	EPA 245.1	03/13/2012 936	BK
Molybdenum	0.03	mg/L		0.01	EPA 200.8	03/09/2012 1805	MS
Nickel	ND	mg/L		0.05	EPA 200.7	03/09/2012 1342	DG
Selenium	ND	mg/L		0.005	EPA 200.8	03/09/2012 1805	MS
Uranium	ND	mg/L		0.0003	EPA 200.8	03/09/2012 1805	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	03/09/2012 1805	MS
Zinc	ND	mg/L		0.01	EPA 200.7	03/09/2012 1342	DG
Metals - Suspended							
Uranium	ND	mg/L		0.0003	EPA 200.8	03/13/2012 1300	MS
Metals - Total							
Iron	ND	mg/L		0.05	EPA 200.7	03/13/2012 1626	DG
Manganese	ND	mg/L		0.01	EPA 200.7	03/13/2012 1626	DG

These results apply only to the samples tested.

RL - Reporting Limit

- Qualifiers:**
- * Value exceeds Maximum Contaminant Level
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 - 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
- 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: S1203095-001
ClientSample ID: UM3R-003-120307
COC: RC 08268

Date Reported 4/10/2012
Report ID S1203095001
WorkOrder: S1203095
CollectionDate: 3/7/2012 9:30:00 AM
DateReceived: 3/7/2012 3:52:00 PM
FieldSampler: TN
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Radionuclides - Dissolved (Gross Alpha, Lead 210, etc.) and Radionuclides - Suspended (Lead 210, Polonium 210, 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
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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



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Alkalinity

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

Sample ID	RunNo: 80610	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	03/13/12 13:37	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo: 80610	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/13/12 13:25	Alkalinity, Total (As CaCO3)	593	5	601		98.7	90 - 110	

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

Sample ID	RunNo: 80610	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203179-022AD	03/13/12 19:51	Alkalinity, Bicarbonate as HCO3	11	5	10	8.79		20	
		Alkalinity, Carbonate as CO3	ND	5	ND			20	
		Alkalinity, Total (As CaCO3)	9	5	8	8.79		20	

Conductivity

Sample Type **MBLK** Units: µmhos/cm

Sample ID	RunNo: 80610	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	03/13/12 13:37	Electrical Conductivity	ND	5					

Sample Type **LCS** Units: µmhos/cm

Sample ID	RunNo: 80610	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/13/12 13:25	Electrical Conductivity	1100	5	1120		97.5	90 - 110	

Sample Type **DUP** Units: µmhos/cm

Sample ID	RunNo: 80610	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203179-022AD	03/13/12 19:51	Electrical Conductivity	24	5	23	1.72		20	

- Qualifiers:**
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 - 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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Dissolved Mercury by EPA 245.1 - Water

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

Sample ID	RunNo: 80578	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LRB	03/13/12 8:11	Mercury	ND	0.001					

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

Sample ID	RunNo: 80578	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	03/13/12 8:09	Mercury	0.002	0.001	0.002		100	85 - 115	

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

Sample ID	RunNo: 80578	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203094-006D	03/13/12 9:30	Mercury	0.0024	0.0001	0.00244	ND	98.2	70 - 130	

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

Sample ID	RunNo: 80578	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1203094-006D	03/13/12 9:32	Mercury	0.0024	0.0001	0.0024	0.113		20	

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

Sample ID	RunNo: 80578	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203094-006D	03/13/12 9:28	Mercury	ND	0.0001	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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

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

Sample ID	RunNo: 80504	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	03/09/12 13:13	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: 80504	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	03/09/12 13:16	Aluminum	1.0	0.1	1		99.4	85 - 115	
		Boron	1.0	0.1	1		99.4	85 - 115	
		Chromium	0.98	0.01	1		98.0	85 - 115	
		Iron	1.00	0.05	1		100	85 - 115	
		Manganese	1.00	0.02	1		99.8	85 - 115	
		Nickel	0.99	0.01	1		99.4	85 - 115	
		Zinc	1.00	0.01	1		100	85 - 115	

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

Sample ID	RunNo: 80504	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203104-003CS	03/09/12 13:56	Aluminum	0.7	0.1	0.5	0.2	104	70 - 130	
		Boron	1.0	0.1	0.5	0.6	90.0	70 - 130	
		Chromium	0.47	0.01	0.5	ND	93.7	70 - 130	
		Iron	0.61	0.05	0.5	0.12	98.4	70 - 130	
		Nickel	0.48	0.01	0.5	ND	96.4	70 - 130	
		Zinc	0.47	0.01	0.5	ND	93.5	70 - 130	

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

Sample ID	RunNo: 80504	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1203104-003CSD	03/09/12 13:58	Aluminum	0.7	0.1	0.7	0.627		20	
		Boron	1.0	0.1	1.0	0.0957		20	
		Chromium	0.47	0.01	0.47	0.956		20	
		Iron	0.60	0.05	0.61	1.93		20	
		Nickel	0.47	0.01	0.48	1.91		20	
		Zinc	0.47	0.01	0.47	1.55		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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Dissolved Metals by ICP - EPA 200.7 - Water

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

Sample ID	RunNo: 80504	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203104-002CD	03/09/12 13:51	Aluminum	0.2	0.1	0.2	11.5		20	
		Boron	1.0	0.1	1.0	0.187		20	
		Chromium	ND	0.01	ND			20	
		Iron	0.14	0.05	0.14	0.661		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: 80498	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	03/09/12 10:54	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: 80498	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	03/09/12 10:50	Arsenic	0.100	0.005	0.1		100	85 - 115	
		Barium	ND	0.5	0.1		94.5	85 - 115	
		Cadmium	0.094	0.002	0.1		94.1	85 - 115	
		Copper	0.10	0.01	0.1		97.1	85 - 115	
		Lead	0.10	0.02	0.1		95.0	85 - 115	
		Molybdenum	0.10	0.02	0.1		99.1	85 - 115	
		Selenium	0.099	0.005	0.1		99.1	85 - 115	
		Uranium	0.096	0.001	0.1		96.0	85 - 115	
		Vanadium	0.10	0.02	0.1		95.7	85 - 115	

- 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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Dissolved Metals by ICPMS EPA 200.8 - Water

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

Sample ID	RunNo: 80498	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203095-001DS	03/09/12 18:15	Arsenic	1.02	0.005	1.1	ND	92.7	70 - 130	
		Barium	1.1	0.5	1.1	ND	98.3	70 - 130	
		Cadmium	1.12	0.002	1.1	ND	101	70 - 130	
		Copper	1.16	0.01	1.1	ND	105	70 - 130	
		Lead	1.12	0.02	1.1	ND	102	70 - 130	
		Molybdenum	1.22	0.02	1.1	0.03	109	70 - 130	
		Selenium	1.05	0.005	1.1	ND	95.5	70 - 130	
		Uranium	1.17	0.001	1.1	ND	107	70 - 130	
		Vanadium	1.15	0.02	1.1	ND	104	70 - 130	

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

Sample ID	RunNo: 80498	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1203095-001DMSD	03/09/12 18:19	Arsenic	1.04	0.005	1.02	1.92		20	
		Barium	1.1	0.5	1.1	0.893		20	
		Cadmium	1.11	0.002	1.12	0.966		20	
		Copper	1.15	0.01	1.16	0.342		20	
		Lead	1.11	0.02	1.12	1.39		20	
		Molybdenum	1.18	0.02	1.22	3.31		20	
		Selenium	1.04	0.005	1.05	1.01		20	
		Uranium	1.16	0.001	1.17	0.979		20	
		Vanadium	1.11	0.02	1.15	3.24		20	

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

Sample ID	RunNo: 80498	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203095-001DD	03/09/12 18:10	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	0.03	0.02	0.03	3.12		20	
		Selenium	ND	0.005	ND			20	
		Uranium	ND	0.001	ND			20	
		Vanadium	ND	0.02	ND			20	

- Qualifiers:**
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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
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ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Fluoride by SM 4500

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

Sample ID	RunNo: 80610	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	03/13/12 13:37	Fluoride	ND	0.1					

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

Sample ID	RunNo: 80610	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/13/12 13:25	Fluoride	2.9	0.1	2.96		96.9	90 - 110	

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

Sample ID	RunNo: 80610	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203161-001BSPK	03/13/12 14:56	Fluoride	2.5	0.1	2.5	0.2	92.8	80 - 120	

Gross Alpha, Beta by SM 7110B

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

Sample ID	RunNo: 81158	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB12-081	03/27/12 22:05	Gross Alpha (Dissolved)	ND	2					
		Gross Beta (Dissolved)	ND	3					

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

Sample ID	RunNo: 81158	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS12-081	03/27/12 22:05	Gross Alpha (Dissolved)	58	2	69		83.8	83 - 133	
		Gross Beta (Dissolved)	122	3	126		96.8	88 - 115	

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

Sample ID	RunNo: 81158	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203245-006EMS	03/27/12 22:05	Gross Alpha (Dissolved)	57	2	73.6	7	68.3	48 - 153	
		Gross Beta (Dissolved)	144	3	126	7	109	60 - 140	

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

Sample ID	RunNo: 81158	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203246-002FDUP	03/28/12 17:44	Gross Alpha (Dissolved)	1400	2	1340	4.47		20	
		Gross Beta (Dissolved)	491	3	458	7.25		20	

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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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Anions by ION Chromatography

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

Sample ID	RunNo: 80525	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	03/09/12 11:00	Chloride	ND	1					
		Sulfate	ND	1					

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

Sample ID	RunNo: 80525	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DIONEX	03/09/12 10:36	Chloride	30	1	30		101	90 - 110	
		Sulfate	156	1	150		104	90 - 110	

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

Sample ID	RunNo: 80525	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203094-003BSP	03/10/12 0:38	Chloride	6	1	5	3	75.8	80 - 120	S
		Sulfate	48	1	40	8	98.2	80 - 120	

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

Sample ID	RunNo: 80525	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203094-003B	03/10/12 0:27	Chloride	3	1	3	0.296		20	
		Sulfate	8	1	8	0.807		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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

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

Sample ID	RunNo: 80503	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	03/09/12 13:13	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

Sample ID	RunNo: 81453	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	04/04/12 11:42	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

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

Sample ID	RunNo: 80503	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	03/09/12 13:18	Calcium	40	1	40		99.9	85 - 115	
		Magnesium	39	1	40		97.8	85 - 115	
		Potassium	41	1	40		103	85 - 115	
		Sodium	39	1	40		97.5	85 - 115	

Sample ID	RunNo: 81453	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	04/04/12 11:47	Calcium	41	1	40		103	85 - 115	
		Magnesium	41	1	40		103	85 - 115	
		Potassium	41	1	40		102	85 - 115	
		Sodium	40	1	40		98.8	85 - 115	

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

Sample ID	RunNo: 80503	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203113-003AS	03/09/12 14:26	Calcium	62	1	50	13	96.3	70 - 130	
		Magnesium	54	1	50	5	98.6	70 - 130	
		Potassium	58	1	50	8	101	70 - 130	
		Sodium	68	1	50	20	97.5	70 - 130	

Sample ID	RunNo: 81453	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1204032-012AS	04/04/12 15:53	Calcium	53	1	50	ND	105	70 - 130	
		Magnesium	54	1	50	ND	109	70 - 130	
		Potassium	55	1	50	ND	110	70 - 130	
		Sodium	53	1	50	ND	105	70 - 130	

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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

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

Sample ID	RunNo: 80503	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1203113-003ASD	03/09/12 14:28	Calcium	61	1	62	0.851		20	
		Magnesium	53	1	54	2.27		20	
		Potassium	58	1	58	1.02		20	
		Sodium	68	1	68	0.532		20	

Sample ID	RunNo: 81453	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1204032-012ASD	04/04/12 15:55	Calcium	54	1	53	1.82		20	
		Magnesium	55	1	54	1.82		20	
		Potassium	57	1	55	2.64		20	
		Sodium	54	1	53	2.37		20	

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

Sample ID	RunNo: 80503	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203113-002AD	03/09/12 14:21	Calcium	10	1	10	0.632		20	
		Magnesium	4	1	4	0.424		20	
		Potassium	8	1	8	0.623		20	
		Sodium	22	1	22	0.593		20	

Sample ID	RunNo: 81453	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1204032-011AD	04/04/12 15:48	Calcium	8	1	8	0.139		20	
		Magnesium	ND	1	ND			20	
		Potassium	ND	1	ND			20	
		Sodium	ND	1	ND			20	

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

Sample ID	RunNo: 80649	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	03/14/12 9:17	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 80649	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	03/14/12 9:19	Nitrogen, Ammonia (As N)	9.9	0.1	10		98.8	90 - 110	

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

Sample ID	RunNo: 80649	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203096-001C	03/14/12 9:34	Nitrogen, Ammonia (As N)	9.8	0.1	10	0.1	97.1	80 - 120	

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

Sample ID	RunNo: 80649	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203096-001C	03/14/12 9:33	Nitrogen, Ammonia (As N)	0.1	0.1	0.1	1.24		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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Nitrogen, Nitrate-Nitrite (as N)

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

Sample ID	RunNo: 80582	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	03/13/12 10:31	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 80582	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	03/13/12 10:33	Nitrogen, Nitrate-Nitrite (as N)	4.6	0.1	4.35		106	90 - 110	

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

Sample ID	RunNo: 80582	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203099-001C	03/13/12 11:19	Nitrogen, Nitrate-Nitrite (as N)	10.8	0.1	10	ND	108	80 - 120	

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

Sample ID	RunNo: 80582	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203099-001C	03/13/12 11:18	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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB12-072	03/23/12 9:43	Lead 210 (Dissolved)	ND	1					
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Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB12-072	03/20/12 12:17	Polonium 210 (Dissolved)	ND	1					
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Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB12-079	03/27/12 16:21	Lead 210 (Dissolved)	ND	1					
		Lead 210 (Suspended)	ND	1					

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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DMB12-079	03/27/12 15:14	Polonium 210 (Suspended)	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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LCS12-072	03/23/12 9:43	Lead 210 (Dissolved)	14	1	12.8		110	67.6 - 131	
		Lead 210 (Suspended)	14	1	12.8		110	60.3 - 141	

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS12-072	03/20/12 12:17	Polonium 210 (Dissolved)	5	1	7.03		72.9	35.1 - 175	
		Polonium 210 (Suspended)	5	1	7.03		72.9	48.6 - 156	

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS12-079	03/27/12 16:21	Lead 210 (Dissolved)	15	1	12.8		118	67.6 - 131	
		Lead 210 (Suspended)	15	1	12.8		118	60.3 - 141	

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS12-079	03/27/12 13:02	Polonium 210 (Dissolved)	7	1	6.83		107	35.1 - 175	
		Polonium 210 (Suspended)	ND	1					

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1203064-001FMS	03/23/12 12:47	Lead 210 (Suspended)	14	1	12.8	1	96.9	62.4 - 132	
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Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1203065-001FMSPO	03/20/12 13:25	Polonium 210 (Suspended)	7	1	7.03	ND	98.3	28 - 173	
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Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1203217-005DMS	03/27/12 16:21	Lead 210 (Dissolved)	14	1	12.8	2	92.0	66 - 133	
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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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

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

Sample ID	RunNo: 81340	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203217-006DMS	03/27/12 13:02	Polonium 210 (Dissolved)	5	1	6.83	ND	75.5	20.9 - 160	

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

Sample ID	RunNo: 81108	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203067-001FDUP	03/23/12 9:43	Lead 210 (Dissolved)	ND	1	2			20	

Sample ID	RunNo: 81108	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203065-001FDUP	03/23/12 12:47	Lead 210 (Suspended)	ND	1	1			20	

Sample ID	RunNo: 81109	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203067-001FDUP	03/20/12 12:17	Polonium 210 (Dissolved)	ND	1	ND			20	

Sample ID	RunNo: 81340	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203095-001FDUP	03/27/12 15:14	Polonium 210 (Suspended)	ND	1	ND			20	

Radium 228Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 80754	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB12-072	03/15/12 16:47	Radium 228 (Dissolved)	ND	1					

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

Sample ID	RunNo: 80754	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS12-072	03/15/12 16:47	Radium 228 (Dissolved)	11	1	9.72		112	74.9 - 122	

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

Sample ID	RunNo: 80754	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203064-001FMS	03/15/12 16:47	Radium 228 (Dissolved)	10	1	9.72	ND	98.4	48.4 - 167	

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

Sample ID	RunNo: 80754	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203065-001FDUP	03/15/12 14:46	Radium 228 (Dissolved)	ND	1	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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Radium 226 by SM 7500

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

Sample ID	RunNo: 80815	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB12-072	03/19/12 13:10	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 80817	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB12-074	03/20/12 11:23	Radium 226 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 80815	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS12-072	03/19/12 13:10	Radium 226 (Dissolved)	5.1	0.2	5.06		100	62.5 - 125	

Sample ID	RunNo: 80817	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS12-074	03/20/12 11:23	Radium 226 (Suspended)	5.3	0.2	5.06		104	56.4 - 132	

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

Sample ID	RunNo: 80815	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203089-002DMS	03/19/12 13:10	Radium 226 (Dissolved)	8.9	0.2	10.1	0.3	85.0	41.6 - 146	

Sample ID	RunNo: 80817	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
TAP WATER MS	03/20/12 11:23	Radium 226 (Suspended)	5.1	0.2	5.06	ND	101	51.4 - 135	

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

Sample ID	RunNo: 80815	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203104-004EDUP	03/19/12 16:07	Radium 226 (Dissolved)	1.2	0.2	1.2	6.76		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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

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

Sample ID	RunNo: 81037	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB12-073	03/20/12 9:06	Thorium 230 (Dissolved)	ND	0.2					

Sample ID	RunNo: 81037	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB12-073	03/23/12 9:19	Thorium 230 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 81037	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS12-073	03/20/12 9:07	Thorium 230 (Dissolved)	13	0.2	12		102	67.1 - 134	
		Thorium 230 (Suspended)	13	0.2	12		102	69.2 - 127	

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

Sample ID	RunNo: 81037	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203095-001F DUP	03/22/12 14:12	Thorium 230 (Dissolved)	ND	0.2	ND			20	

Sample ID	RunNo: 81037	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203096-001F DUP	03/23/12 9:19	Thorium 230 (Suspended)	ND	0.2	ND			20	

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

Sample ID	RunNo: 81054	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R81054	03/09/12 0:00	Radon-222	ND	50					L

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

Sample ID	RunNo: 81054	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R81054	03/09/12 0:00	Radon-222	22200	100	22500		98.7	75 - 125	L

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

Sample ID	RunNo: 81054	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203095-001G	03/09/12 0:00	Radon-222	ND	50	ND			20	L

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

Sample ID	RunNo: 80505	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	03/09/12 13:13	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 80505	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	03/09/12 13:16	Silica as SiO2	2.1	0.1	2.14		97.2	85 - 115	

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Solids By SM 2540

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

Sample ID	RunNo: 80665	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	03/08/12 11:32	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 80665	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CONTROL	03/08/12 11:33	Total Dissolved Solids (180)	220	10	226		95.6	90 - 110	

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

Sample ID	RunNo: 80665	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203159-001A	03/13/12 9:03	Total Dissolved Solids (180)	1700	10	1700	0.235		20	

Total (200.2) Metals by EPA 200.7 ICP - Water

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

Sample ID	RunNo: 80615	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-5907	03/13/12 16:21	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 80615	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-5907	03/13/12 16:24	Iron	0.50	0.05	0.5		99.3	85 - 115	
		Manganese	0.20	0.02	0.2		98.0	85 - 115	

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

Sample ID	RunNo: 80615	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203096-001ES	03/13/12 16:33	Iron	0.57	0.05	0.5	0.11	92.6	70 - 130	
		Manganese	0.20	0.02	0.2	ND	97.4	70 - 130	

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

Sample ID	RunNo: 80615	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1203096-001EMSD	03/13/12 16:35	Iron	0.58	0.05	0.57	1.81		20	
		Manganese	0.20	0.02	0.20	1.46		20	

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

Sample ID	RunNo: 80615	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203095-001ED	03/13/12 16:28	Iron	ND	0.05	ND			20	
		Manganese	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: S1203095
Project: Reno Creek Project

Date: 4/10/2012
Report ID: S1203095001

Suspended Natural Uranium

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

Sample ID	RunNo: 80587	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	03/13/12 12:40	Uranium Suspended	ND	0.0003					

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

Sample ID	RunNo: 80587	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	03/13/12 12:35	Uranium Suspended	0.104	0.0003	0.1		104	85 - 115	

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

Sample ID	RunNo: 80587	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1203095-001FS	03/13/12 13:10	Uranium Suspended	1.13	0.0003	1.1	ND	103	70 - 130	

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

Sample ID	RunNo: 80587	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1203095-001FMSD	03/13/12 13:14	Uranium Suspended	1.14	0.0003	1.13	0.534		20	

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

Sample ID	RunNo: 80587	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203095-001FD	03/13/12 13:05	Uranium Suspended	ND	0.0003	ND			20	

pH Water

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

Sample ID	RunNo: 80610	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	03/13/12 13:25	pH	8.7	0.1	8.48		102	90 - 110	

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

Sample ID	RunNo: 80610	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1203179-022AD	03/13/12 19:51	pH	7.2	0.1	7.2	0.854		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 (307) 682-8945
 Sheridan, WY 82801 (307) 672-8946

- CHAIN OF CUSTODY RECORD -
 This is a LEGAL DOCUMENT. All shaded fields must be completed. See reverse for instructions. #RC 08268

Client Name AUC LLC		Project Identification Reno Creek Project		Sampler (Signature/Printed) <i>Traci Mickelson</i>		Telephone #	
Report Address pcavendor@auc-llc.com; tmickerson@treccorp.com; johnw@treccorp.com		Contact Name <i>Traci Mickelson</i>		Email <i>Traci.Mickelson@treccorp.com</i>			
Invoice Address 900 Federal Ct. Ste 150 Casper, WY 82601		Purchase Order #		Phone 307-265-0696			
ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	REMARKS
1							
2	51203095	3/7/12	9:30	UM3R-003-120307 w		10 X	Standard water
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

LAB COMMENTS 7.0	Relinquished By (Signature/Printed) <i>Traci Mickelson</i>	DATE	TIME	Received By (Signature/Printed) <i>Alice L. McNeil</i>	DATE	TIME
					3/7/12	1552

SHIPPING INFO	MATRIX CODES	TURNAROUND TIMES	COMPLIANCE INFORMATION	ADDITIONAL REMARKS
<input type="checkbox"/> UPS <input type="checkbox"/> Fed Express <input type="checkbox"/> US Mail <input type="checkbox"/> Hand Carried <input checked="" type="checkbox"/> Other	Water <input checked="" type="checkbox"/> WT Soil <input type="checkbox"/> SL Solid <input type="checkbox"/> SD Trip Blank <input type="checkbox"/> TB Other <input type="checkbox"/> OT	<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 Monitoring? Y/N Program (SDWA, NPDES,...) PWSID / Permit # Chlorinated? Y/N Sample Disposal: Lab <input checked="" type="checkbox"/> Client	