



Wednesday, July 20, 2011

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

RE: Reno Creek Project
Orde

r No.: S1106089

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples SM6-002-110606 on June 6, 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: 7/20/2011

CLIENT: AUC LLC
Project: Reno Creek Project
Lab Order: S1106089

CASE NARRATIVE
Report ID: S1106089001

Sample SM6-002-110606 was received on June 6, 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

MB-R71187 - General Parameters/Radon-222 - Analyzed by a contract laboratory
LCS-R71187 - General Parameters/Radon-222 - Analyzed by a contract laboratory
S1106089-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory
S1106113-1SP - Anions/Fluoride - Spike Recovery outside accepted recovery limits (1)

(1) Spike recovery outside acceptance criteria due to potential sample matrix interference. Data approved as all other QC checks were within acceptance limits.

Reviewed by:

Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401

Date Reported 7/20/2011
Report ID S1106089001

ProjectName: Reno Creek Project
Lab ID: S1106089-001
ClientSample ID: SM6-002-110606
COC: RC 08283

WorkOrder: S1106089
CollectionDate: 6/6/2011 2:12:00 PM
DateReceived: 6/6/2011 4:42:00 PM
FieldSampler: TN
Matrix: Water

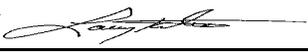
Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init
Field						
pH	8.43	s.u.			Field	6/6/2011 2:12:00 PM
Conductivity	1963	µmhos/cm			Field	6/6/2011 2:12:00 PM
Dissolved Oxygen	2.08	mg/L			Field	6/6/2011 2:12:00 PM
Turbidity	7.8	NTU			Field	6/6/2011 2:12:00 PM
Temperature	34.13	°C			Field	6/6/2011 2:12:00 PM
Oxygen Reduction Potential (ORP)	-138.8	mV			Field	6/6/2011 2:12:00 PM
Purge Rate Reading 1	250	ml/min			Field	6/6/2011 2:12:00 PM
Water Level Reading 1	75.8	Ft			Field	6/6/2011 2:12:00 PM
Anions/Cations						
Alkalinity, Total (As CaCO3)	88	mg/L		5	SM 2320B	6/15/2011 2:23:57 AM AMB
Alkalinity, Bicarbonate as HCO3	107	mg/L		5	SM 2320B	6/15/2011 2:23:57 AM AMB
Alkalinity, Carbonate as CO3	ND	mg/L		5	SM 2320B	6/15/2011 2:23:57 AM AMB
Chloride	5	mg/L		1	EPA 300.0	6/14/2011 6:00:00 PM KO
Fluoride	0.3	mg/L		0.1	SM 4500FC	6/7/2011 3:02:43 PM KO
Nitrogen, Nitrate-Nitrite (as N)	ND	mg/L		0.1	EPA 353.2	6/10/2011 4:53:00 PM MEL
Sulfate	930	mg/L		1	EPA 300.0	6/14/2011 6:00:00 PM KO
Calcium	146	mg/L		1	EPA 200.7	6/8/2011 1:43:57 PM DG
Magnesium	24	mg/L		1	EPA 200.7	6/8/2011 1:43:57 PM DG
Potassium	10	mg/L		1	EPA 200.7	6/8/2011 1:43:57 PM DG
Sodium	309	mg/L		1	EPA 200.7	6/14/2011 2:00:11 PM DG
Nitrogen, Ammonia (As N)	0.4	mg/L		0.1	EPA 350.1	6/8/2011 5:03:00 PM MEL
Silica as SiO2	6	mg/L		1	EPA 200.7	6/8/2011 1:43:57 PM DG
General Parameters						
pH	8.0	s.u.		0.1	SM 4500 H B	6/7/2011 3:02:43 PM KO
Electrical Conductivity	1690	µmhos/cm		5	SM 2510B	6/7/2011 3:02:43 PM KO
Total Dissolved Solids (180)	1520	mg/L		10	SM 2540	6/7/2011 5:25:00 PM JF

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

Date Reported 7/20/2011
Report ID S1106089001

ProjectName: Reno Creek Project
Lab ID: S1106089-001
ClientSample ID: SM6-002-110606
COC: RC 08283

WorkOrder: S1106089
CollectionDate: 6/6/2011 2:12:00 PM
DateReceived: 6/6/2011 4:42:00 PM
FieldSampler: TN
Matrix: Water

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Data Quality (Cation Sum, Anion Sum, etc.), Metals - Dissolved (Aluminum, Arsenic, etc.), Metals - Suspended (Uranium), and Metals - Total (Iron, Manganese).

These results apply only to the samples tested.

RL - Reporting Limit

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

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O Outside the Range of Dilutions

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



Sample Analysis Report

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401

Date Reported 7/20/2011
Report ID S1106089001

ProjectName: Reno Creek Project
Lab ID: S1106089-001
ClientSample ID: SM6-002-110606
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WorkOrder: S1106089
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DateReceived: 6/6/2011 4:42:00 PM
FieldSampler: TN
Matrix: Water

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Radionuclides - Dissolved, Radionuclides - Suspended, and Radionuclides - Total.

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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O Outside the Range of Dilutions

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

Alkalinity

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/07/11 14:47	Alkalinity, Total (As CaCO3)	ND	5					
BLANK	06/14/11 10:47	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/07/11 14:39	Alkalinity, Total (As CaCO3)	596	5	607		98.2	90 - 110	
ATQC	06/14/11 10:38	Alkalinity, Total (As CaCO3)	597	5	607		98.3	90 - 110	

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

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106101-001A	06/07/11 18:11	Alkalinity, Bicarbonate as HCO3	1990	5	1990	0.120		20	
		Alkalinity, Carbonate as CO3	ND	5	ND	0		20	
		Alkalinity, Total (As CaCO3)	1630	5	1630	0.120		20	
S1106218-001A	06/14/11 13:59	Alkalinity, Bicarbonate as HCO3	940	5	938	0.219		20	
		Alkalinity, Carbonate as CO3	ND	5	ND	0		20	
		Alkalinity, Total (As CaCO3)	770	5	768	0.219		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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

ConductivitySample Type **MBLK**

Units: µmhos/cm

Sample ID	RunNo: 70820	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/07/11 14:47	Electrical Conductivity	ND	5					

Sample ID	RunNo: 71059	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/14/11 10:47	Electrical Conductivity	ND	5					

Sample Type **LCS**

Units: µmhos/cm

Sample ID	RunNo: 70820	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/07/11 14:39	Electrical Conductivity	968	5	1000		96.7	90 - 110	

Sample ID	RunNo: 71059	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/14/11 10:38	Electrical Conductivity	936	5	1000		93.5	90 - 110	

Sample Type **DUP**

Units: µmhos/cm

Sample ID	RunNo: 70820	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106101-001A	06/07/11 18:11	Electrical Conductivity	2230	5	2230	0		20	

Sample ID	RunNo: 71059	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106218-001A	06/14/11 13:59	Electrical Conductivity	2210	5	2230	0.897		20	

Dissolved Mercury by EPA 245.1 - WaterSample Type **MBLK**

Units: mg/L

Sample ID	RunNo: 70937	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LRB	06/10/11 10:54	Mercury	ND	0.001					

Sample Type **LCS**

Units: mg/L

Sample ID	RunNo: 70937	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	06/10/11 10:53	Mercury	0.002	0.001	0.002		101	85 - 115	

Sample Type **MS**

Units: mg/L

Sample ID	RunNo: 70937	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106055-001E	06/10/11 11:00	Mercury	0.002	0.001	0.00244	ND	89.7	70 - 130	

Sample Type **MSD**

Units: mg/L

Sample ID	RunNo: 70937	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106055-001E	06/10/11 11:01	Mercury	0.002	0.001	0.002	0.901	90.5	20	

Sample Type **DUP**

Units: mg/L

Sample ID	RunNo: 70937	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106055-001E	06/10/11 10:58	Mercury	ND	0.001	ND	0		20	

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

Dissolved Metals by ICP - EPA 200.7 - Water

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

Sample ID	RunNo: 70862	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	06/08/11 13:27	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: 70862	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	06/08/11 13:30	Aluminum	1.0	0.1	1		101	85 - 115	
		Boron	1.0	0.1	1		99.2	85 - 115	
		Chromium	1.01	0.01	1		101	85 - 115	
		Iron	1.00	0.05	1		100	85 - 115	
		Manganese	1.03	0.02	1		103	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: 70862	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106106-004BS	06/08/11 14:01	Aluminum	0.5	0.1	0.5	ND	103	70 - 130	
		Boron	0.5	0.1	0.5	ND	100	70 - 130	
		Chromium	0.49	0.01	0.5	ND	98.4	70 - 130	
		Iron	0.51	0.05	0.5	ND	98.7	70 - 130	
		Manganese	0.53	0.02	0.5	0.03	101	70 - 130	
		Nickel	0.48	0.01	0.5	ND	96.6	70 - 130	
		Zinc	0.50	0.01	0.5	ND	99.2	70 - 130	

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

Sample ID	RunNo: 70862	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106106-004BSD	06/08/11 14:03	Aluminum	0.6	0.1	0.5	4.47	108	20	
		Boron	0.5	0.1	0.5	5.31	106	20	
		Chromium	0.52	0.01	0.49	5.47	104	20	
		Iron	0.52	0.05	0.51	3.06	102	20	
		Manganese	0.55	0.02	0.53	3.58	105	20	
		Nickel	0.51	0.01	0.48	4.51	101	20	
		Zinc	0.52	0.01	0.50	4.70	104	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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

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

Sample ID	RunNo: 70862	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106106-003BD	06/08/11 13:56	Aluminum	21.7	0.1	21.4	1.26		20	
		Boron	ND	0.1	ND	0		20	
		Chromium	0.03	0.01	0.03	0.382		20	
		Iron	79.2	0.05	78.5	0.874		20	
		Manganese	0.16	0.02	0.16	0.752		20	
		Nickel	0.47	0.01	0.46	0.562		20	
		Zinc	5.81	0.01	5.68	2.34		20	

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

Sample ID	RunNo: 70802	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	06/07/11 11:28	Arsenic	ND	0.005					
		Barium	ND	0.5					
		Cadmium	ND	0.002					
		Copper	ND	0.01					
		Lead	ND	0.02					
		Molybdenum	ND	0.02					
		Selenium	ND	0.005					
		Uranium	ND	0.001					
		Vanadium	ND	0.02					

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

Sample ID	RunNo: 70802	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	06/07/11 11:24	Arsenic	0.099	0.005	0.1		98.9	85 - 115	
		Barium	ND	0.5	0.1		99.6	85 - 115	
		Cadmium	0.098	0.002	0.1		97.8	85 - 115	
		Copper	0.10	0.01	0.1		95.9	85 - 115	
		Lead	0.10	0.02	0.1		99.6	85 - 115	
		Molybdenum	0.10	0.02	0.1		100	85 - 115	
		Selenium	0.099	0.005	0.1		99.0	85 - 115	
		Uranium	0.098	0.001	0.1		97.7	85 - 115	
		Vanadium	0.10	0.02	0.1		95.7	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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

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

Sample ID	RunNo: 70802	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106113-001DS	06/07/11 14:42	Arsenic	1.16	0.005	1.1	0.013	104	70 - 130	
		Barium	1.2	0.5	1.1	ND	98.9	70 - 130	
		Cadmium	1.12	0.002	1.1	ND	102	70 - 130	
		Copper	1.06	0.01	1.1	ND	96.0	70 - 130	
		Lead	1.08	0.02	1.1	ND	97.9	70 - 130	
		Molybdenum	1.15	0.02	1.1	ND	104	70 - 130	
		Selenium	1.17	0.005	1.1	ND	107	70 - 130	
		Uranium	1.10	0.001	1.1	0.005	99.7	70 - 130	
		Vanadium	1.09	0.02	1.1	ND	99.2	70 - 130	

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

Sample ID	RunNo: 70802	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106113-001DMSD	06/07/11 14:46	Arsenic	1.17	0.005	1.16	0.583	105	20	
		Barium	1.2	0.5	1.2	0.813	99.7	20	
		Cadmium	1.13	0.002	1.12	0.967	103	20	
		Copper	1.06	0.01	1.06	0.450	96.4	20	
		Lead	1.10	0.02	1.08	1.94	99.8	20	
		Molybdenum	1.15	0.02	1.15	0.403	105	20	
		Selenium	1.18	0.005	1.17	0.441	107	20	
		Uranium	1.11	0.001	1.10	0.801	101	20	
		Vanadium	1.10	0.02	1.09	0.117	99.4	20	

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

Sample ID	RunNo: 70802	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106113-001DD	06/07/11 14:38	Arsenic	0.013	0.005	0.013	2.59		20	
		Barium	ND	0.5	ND	0		20	
		Cadmium	ND	0.002	ND	0		20	
		Copper	ND	0.01	ND	0		20	
		Lead	ND	0.02	ND	0		20	
		Molybdenum	ND	0.02	ND	0		20	
		Selenium	ND	0.005	ND	0		20	
		Uranium	0.005	0.001	0.005	0.0258		20	
		Vanadium	ND	0.02	ND	0		20	

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

Fluoride by SM 4500

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLANK 06/07/11 14:47 Fluoride ND 0.1

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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BLANK 06/14/11 10:47 Fluoride ND 0.1

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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ATQC 06/07/11 14:39 Fluoride 3.0 0.1 2.71 109 90 - 110

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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ATQC 06/14/11 10:38 Fluoride 2.8 0.1 2.71 104 90 - 110

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

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1106113-1SPK 06/07/11 23:21 Fluoride 3.1 0.1 2.5 ND 124 80 - 120 S

Sample ID	RunNo:	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1106218-9SPK 06/14/11 15:44 Fluoride 2.7 0.1 2.5 ND 106 80 - 120

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

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1106101-001A 06/07/11 18:11 Fluoride 1.59 0.05 1.76 9.70 20

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1106218-001A 06/14/11 13:59 Fluoride 0.6 0.1 0.7 12.4 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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

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

Sample ID	RunNo: 71282	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-170	06/20/11 10:27	Gross Alpha (Dissolved)	ND	2					
		Gross Beta (Dissolved)	ND	3					

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

Sample ID	RunNo: 71282	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-170	06/20/11 10:27	Gross Alpha (Dissolved)	82	2	73.6		111	76.7 - 133	
		Gross Beta (Dissolved)	139	3	126		110	76.7 - 133	

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

Sample ID	RunNo: 71282	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106053-001GMS	06/20/11 10:27	Gross Alpha (Dissolved)	67	2	73.6	ND	91.3	47.8 - 153	
		Gross Beta (Dissolved)	147	3	126	ND	117	47.8 - 153	

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

Sample ID	RunNo: 71282	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106022-001GDUP	06/20/11 10:27	Gross Alpha (Dissolved)	73	2	72	1.16		20	
		Gross Beta (Dissolved)	22	4	19	18.4		20	

Anions by ION ChromatographySample Type **MBLK** Units: mg/L

Sample ID	RunNo: 71070	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/14/11 9:34	Chloride	ND	1					
		Sulfate	ND	1					

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

Sample ID	RunNo: 71070	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DIONEX	06/14/11 9:46	Chloride	29	1	30		97.5	90 - 110	
		Sulfate	140	1	150		93.6	90 - 110	

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

Sample ID	RunNo: 71070	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106212-009ASPK	06/14/11 19:15	Chloride	107	1	30	76	106	80 - 120	
		Sulfate	270	1	240	56	89.1	80 - 120	

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

Sample ID	RunNo: 71070	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106212-009A	06/14/11 19:04	Chloride	77	1	76	1.96		20	
		Sulfate	57	1	56	1.85		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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

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

Sample ID	RunNo: 70861	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	06/08/11 13:27	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

Sample ID	RunNo: 71054	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	06/14/11 13:29	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

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

Sample ID	RunNo: 70861	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	06/08/11 13:32	Calcium	42	1	40		104	85 - 115	
		Magnesium	39	1	40		97.3	85 - 115	
		Potassium	40	1	40		101	85 - 115	
		Sodium	40	1	40		100	85 - 115	

Sample ID	RunNo: 71054	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	06/14/11 13:33	Calcium	41	1	40		102	85 - 115	
		Magnesium	41	1	40		101	85 - 115	
		Potassium	40	1	40		98.8	85 - 115	
		Sodium	38	1	40		95.4	85 - 115	

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

Sample ID	RunNo: 70861	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106106-004AS	06/08/11 14:01	Calcium	27	1	25	ND	105	70 - 130	
		Magnesium	26	1	25	ND	103	70 - 130	
		Potassium	27	1	25	ND	106	70 - 130	
		Sodium	25	1	25	ND	99.5	70 - 130	

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

Sample ID	RunNo: 70861	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106106-004ASD	06/08/11 14:03	Calcium	28	1	27	4.08	110	20	
		Magnesium	27	1	26	3.37	107	20	
		Potassium	28	1	27	3.77	110	20	
		Sodium	26	1	25	3.98	103	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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

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

Sample ID	RunNo: 70861	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106106-003AD	06/08/11 13:56	Calcium	3	1	3	0.907		20	
		Magnesium	ND	1	ND	0		20	
		Potassium	ND	1	ND	0		20	
		Sodium	ND	1	ND	0		20	

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

Sample ID	RunNo: 70880	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/08/11 15:18	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 70880	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	06/08/11 15:20	Nitrogen, Ammonia (As N)	9.6	0.1	8.93		108	90 - 110	

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

Sample ID	RunNo: 70880	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106089-001D	06/08/11 17:05	Nitrogen, Ammonia (As N)	10.2	0.1	10	0.4	98.2	80 - 120	

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

Sample ID	RunNo: 70880	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106089-001D	06/08/11 17:04	Nitrogen, Ammonia (As N)	0.4	0.1	0.4	2.36		20	

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

Sample ID	RunNo: 70960	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	06/10/11 14:39	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 70960	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	06/10/11 14:41	Nitrogen, Nitrate-Nitrite (as N)	7.4	0.1	7.69		95.6	90 - 110	

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

Sample ID	RunNo: 70960	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106107-006B	06/10/11 16:33	Nitrogen, Nitrate-Nitrite (as N)	9.3	0.1	10	ND	92.5	80 - 120	

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

Sample ID	RunNo: 70960	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106107-006B	06/10/11 16:32	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1	ND	0		20	

Qualifiers:

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

**ANALYTICAL QC SUMMARY REPORT**

CLIENT: AUC LLC
Work Order: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

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

Sample ID	RunNo: 71420	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-164	06/22/11 16:41	Lead 210 (Dissolved)	ND	1					
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Sample ID	RunNo: 71421	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-164	06/22/11 11:21	Polonium 210 (Dissolved)	ND	1					
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Sample ID	RunNo: 71684	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-164	06/24/11 10:09	Lead 210 (Suspended)	ND	1					
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Sample ID	RunNo: 71691	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-164	06/23/11 17:27	Polonium 210 (Suspended)	ND	1					
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Sample Type **LCS** Units: pCi/L

Sample ID	RunNo: 71420	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-164	06/22/11 16:41	Lead 210 (Dissolved)	13	1	13		102	67.6 - 131	
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Sample ID	RunNo: 71421	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-164 PO	06/22/11 11:21	Polonium 210 (Dissolved)	5	1	4.23		115	67.6 - 131	
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Sample ID	RunNo: 71684	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-164	06/24/11 10:09	Lead 210 (Suspended)	14	1	13		105	67.6 - 131	
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Sample ID	RunNo: 71691	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-164 PO	06/23/11 17:27	Polonium 210 (Suspended)	5	1	4.21		109	67.6 - 131	
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Sample Type **MS** Units: pCi/L

Sample ID	RunNo: 71420	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1106089-001GMS	06/22/11 16:41	Lead 210 (Dissolved)	14	1	13	1	96.5	66 - 133	
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Sample ID	RunNo: 71421	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1106089-001GMS	06/22/11 11:21	Polonium 210 (Dissolved)	8	1	13	ND	62.9	66 - 133	
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Sample ID	RunNo: 71684	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1106126-001GMS	06/24/11 10:09	Lead 210 (Suspended)	13	1	13	ND	102	66 - 133	
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Sample ID	RunNo: 71691	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1106126-001GMS	06/23/11 17:27	Polonium 210 (Suspended)	7	1	13	ND	50.8	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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

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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S1106127-001GDUP 06/22/11 16:41 Lead 210 (Dissolved) ND 1 ND 0 20

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1106127-001GDUP 06/22/11 11:21 Polonium 210 (Dissolved) ND 1 ND 0 20

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1106128-001GDUP 06/24/11 10:09 Lead 210 (Suspended) ND 1 ND 0 20

Sample ID	RunNo:	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1106128-001GDUP 06/23/11 17:27 Polonium 210 (Suspended) ND 1 ND 0 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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MB11-188 07/13/11 15:34 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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LCS11-188 07/13/11 15:34 Radium 228 (Dissolved) 9 1 10.2 89.9 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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S1106333-001AMS 07/13/11 15:34 Radium 228 (Dissolved) 12 1 10.2 ND 114 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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S1106333-002ADUP 07/13/11 15:34 Radium 228 (Dissolved) 1 1 ND 0 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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

Radium 226 by SM 7500

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

Sample ID	RunNo: 71404	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-167	06/21/11 21:14	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 71551	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-174A	06/27/11 15:12	Radium 226 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 71404	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-167	06/21/11 21:14	Radium 226 (Dissolved)	5.3	0.2	5		106	62.5 - 125	

Sample ID	RunNo: 71551	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-174A	06/27/11 15:12	Radium 226 (Suspended)	4.6	0.2	5		91.3	62.5 - 125	

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

Sample ID	RunNo: 71551	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106089-001G	06/27/11 15:12	Radium 226 (Suspended)	5.5	0.2	5	ND	110	51.4 - 135	

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

Sample ID	RunNo: 71404	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106089-001GDUP	06/21/11 21:14	Radium 226 (Dissolved)	1.6	0.2	1.7	4.70		20	

Sample ID	RunNo: 71551	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106181-002EDUP	06/27/11 15:12	Radium 226 (Suspended)	ND	0.2	ND	0		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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

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

Sample ID	RunNo: 71277	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-165	06/21/11 8:16	Thorium 230 (Dissolved)	ND	0.2					

Sample ID	RunNo: 71452	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-165	06/22/11 12:46	Thorium 230 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 71277	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-165	06/21/11 8:16	Thorium 230 (Dissolved)	13	0.2	12		106	67.1 - 134	

Sample ID	RunNo: 71452	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-165	06/22/11 12:46	Thorium 230 (Suspended)	13	0.2	12		103	67.1 - 134	

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

Sample ID	RunNo: 71277	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106128-001GDUP	06/20/11 8:17	Thorium 230 (Dissolved)	ND	0.2	ND	0		20	

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

Sample ID	RunNo: 71187	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R71187	06/07/11 0:00	Radon-222	ND	50					L

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

Sample ID	RunNo: 71187	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R71187	06/07/11 0:00	Radon-222	24300	100	22500		108	75 - 125	L

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

Sample ID	RunNo: 71187	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106089-001B	06/07/11 0:00	Radon-222	140	50	150	9.27		20	L

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

Sample ID	RunNo: 70863	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	06/08/11 13:27	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 70863	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	06/08/11 13:30	Silica as SiO2	2.2	0.1	2.14		101	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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

Solids By SM 2540

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

Sample ID	RunNo: 70879	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	06/07/11 15:10	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 70879	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CONTROL	06/07/11 15:15	Total Dissolved Solids (180)	220	10	226		98.2	90 - 110	

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

Sample ID	RunNo: 70879	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106103-001A	06/07/11 15:40	Total Dissolved Solids (180)	2100	10	2080	1.15		20	

Total (200.2) Metals by EPA 200.7 ICP - Water

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

Sample ID	RunNo: 70915	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK 6/8 TOT -5187	06/09/11 15:35	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 70915	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS 6/8 TOT -5187	06/09/11 15:38	Iron	0.49	0.05	0.5		97.5	85 - 115	
		Manganese	0.20	0.02	0.2		98.0	85 - 115	

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

Sample ID	RunNo: 70915	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106157-002DS	06/09/11 18:32	Iron	0.88	0.05	0.5	0.40	95.4	70 - 130	
		Manganese	0.21	0.02	0.2	ND	95.2	70 - 130	

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

Sample ID	RunNo: 70915	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106157-002DSD	06/09/11 18:34	Iron	0.84	0.05	0.88	3.86	88.6	20	
		Manganese	0.20	0.02	0.21	3.21	91.8	20	

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

Sample ID	RunNo: 70915	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106157-001ED	06/09/11 18:27	Iron	ND	0.05	ND	0		20	
		Manganese	ND	0.02	ND	0		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: S1106089
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106089001

Suspended Natural Uranium

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

Sample ID	RunNo: 71000	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
INIT CAL BLANK	06/13/11 14:16	Uranium Suspended	ND	0.0003					

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

Sample ID	RunNo: 71000	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	06/13/11 14:24	Uranium Suspended	0.107	0.0003	0.1		107	85 - 115	

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

Sample ID	RunNo: 71000	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106089-001HS	06/13/11 17:42	Uranium Suspended	1.21	0.0003	1.1	0.0004	110	70 - 130	

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

Sample ID	RunNo: 71000	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106089-001HMSD	06/13/11 17:46	Uranium Suspended	1.20	0.0003	1.21	1.50	109	20	

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

Sample ID	RunNo: 71000	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106089-001HD	06/13/11 17:38	Uranium Suspended	ND	0.0003	0.0004	0		20	

pH Water

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

Sample ID	RunNo: 70820	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/07/11 14:39	pH	8.5	0.1	8.63		98.4	90 - 110	

Sample ID	RunNo: 71059	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/14/11 10:38	pH	8.4	0.1	8.63		97.3	90 - 110	

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

Sample ID	RunNo: 70820	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106101-001A	06/07/11 18:11	pH	8.2	0.1	8.2	0.228		20	

Sample ID	RunNo: 71059	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106218-001A	06/14/11 13:59	pH	7.8	0.1	7.8	0.00781		20	

- Qualifiers:**
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 - L Analyzed by a contract laboratory
 - O Outside the Range of Dilutions
 - S Spike Recovery outside accepted recovery limits
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits



Inter-Mountain Labs
 Sheridan, WY and Gillette, WY
 1573 Terra Ave.
 Sheridan, WY 82801
 (307) 682-8045

This is a LEGAL DOCUMENT. All shaded fields must be completed. See reverse for instructions. #RC 08283

- CHAIN OF CUSTODY RECORD -

Client Name AUC LLC		Project Identification Reno Creek Project		Sampler (Signature/Printed) <i>Traci M. Dickerson</i>		Telephone #	
Report Address peavendor@auc-llc.com; thickerson@treccorp.com; jshriver@treccorp.com		Contact Name <i>Traci M. Dickerson</i>		ANALYSES / PARAMETERS			
Invoice Address AUC LLC 951 W. Reno Cr. Ste 395 Casper WY 82401		Email <i>thickerson@treccorp.com</i>		See Attached Table (4,14, Guide 8, Radon 222)			
		Phone <i>307-265-0690</i>		See Attached Table 2 (Air Particulate)			
		Purchase Order #		See Attached Table 3 (Vegetation)			
		Quote #		See Attached Table 4 (Sediment)			
				See Attached Table 5 (Soil)			
				See Attached Table 8 WYPDES Discharge			
				See Attached Table 9 (Blanks)			
				REMARKS <i>Collected at site</i>			
ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	
1							
2	<i>SIV06089</i>	<i>6/11/14</i>	<i>14:12</i>	<i>SMC-002-16006</i>	<i>WJ</i>	<i>13</i>	<i>X</i>
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
LAB COMMENTS <i>414</i>				Relinquished By (Signature/Printed) <i>Traci M. Dickerson</i>		DATE TIME <i>6/11/14 16:00</i>	
				Received By (Signature/Printed) <i>Kathy Bond</i>		DATE TIME <i>6/11/14 9:49</i>	
SHIPPING INFO <input type="checkbox"/> UPS <input type="checkbox"/> Fed Express <input type="checkbox"/> US Mail <input checked="" type="checkbox"/> Hand Carried <input type="checkbox"/> Other		MATRIX CODES <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Solid <input type="checkbox"/> Tip Blank <input type="checkbox"/> Other		TURNAROUND TIMES <input type="checkbox"/> Check desired service <input type="checkbox"/> Standard turnaround <input type="checkbox"/> RUSH - 5 Working Days <input type="checkbox"/> URGENT - < 2 Working Days <i>Rush & Urgent Surcharges will be applied</i>		COMPLIANCE INFORMATION Compliance Monitoring? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Program (SDWA, NPDES,...) PWSID / Permit # Chlorinated? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Sample Disposal: Lab <input checked="" type="checkbox"/> Client	
ADDITIONAL REMARKS							