



Wednesday, July 20, 2011

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

RE: Reno Creek Project
Orde

r No.: S1106127

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples OM5-003-110607 on June 8, 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: S1106127

CASE NARRATIVE
Report ID: S1106127001

Sample OM5-003-110607 was received on June 8, 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-R71508 - General Parameters/Radon-222 - Analyzed by a contract laboratory
LCS-R71508 - General Parameters/Radon-222 - Analyzed by a contract laboratory
S1106127-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory

Reviewed by:

Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401

Date Reported 7/7/2011
Report ID S1106127001

ProjectName: Reno Creek Project
Lab ID: S1106127-001
ClientSample ID: OM5-003-110607
COC: RC 08285

WorkOrder: S1106127
CollectionDate: 6/7/2011 10:00:00 AM
DateReceived: 6/8/2011 11:43:00 AM
FieldSampler: TN
Matrix: Water

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init
Field						
pH Reading 1	9.85	s.u.			Field	6/7/2011 10:00:00 AM
pH Reading 2	9.95	s.u.			Field	6/7/2011 10:00:00 AM
pH Reading 3	9.98	s.u.			Field	6/7/2011 10:00:00 AM
Conductivity Reading 1	1768	µmhos/cm			Field	6/7/2011 10:00:00 AM
Conductivity Reading 2	1769	µmhos/cm			Field	6/7/2011 10:00:00 AM
Conductivity Reading 3	1768	µmhos/cm			Field	6/7/2011 10:00:00 AM
Turbidity Reading 1	1.8	NTU			Field	6/7/2011 10:00:00 AM
Turbidity Reading 2	1.8	NTU			Field	6/7/2011 10:00:00 AM
Turbidity Reading 3	1.3	NTU			Field	6/7/2011 10:00:00 AM
Dissolved Oxygen Reading 1	3.37	mg/L			Field	6/7/2011 10:00:00 AM
Dissolved Oxygen Reading 2	3.20	mg/L			Field	6/7/2011 10:00:00 AM
Dissolved Oxygen Reading 3	3.06	mg/L			Field	6/7/2011 10:00:00 AM
Temperature Reading 1	12.41	°C			Field	6/7/2011 10:00:00 AM
Temperature Reading 2	12.34	°C			Field	6/7/2011 10:00:00 AM
Temperature Reading 3	12.36	°C			Field	6/7/2011 10:00:00 AM
Oxygen Reduction Potential Reading	-157.1	mV			Field	6/7/2011 10:00:00 AM
Oxygen Reduction Potential Reading	-155.0	mV			Field	6/7/2011 10:00:00 AM
Oxygen Reduction Potential Reading	-154.2	mV			Field	6/7/2011 10:00:00 AM
Purge Rate Reading 1	200	ml/min			Field	6/7/2011 10:00:00 AM
Purge Rate Reading 2	200	ml/min			Field	6/7/2011 10:00:00 AM
Purge Rate Reading 3	200	ml/min			Field	6/7/2011 10:00:00 AM
Water Level Reading 1	37.97	Ft			Field	6/7/2011 10:00:00 AM
Water Level Reading 2	37.98	Ft			Field	6/7/2011 10:00:00 AM
Water Level Reading 3	37.98	Ft			Field	6/7/2011 10:00:00 AM

These results apply only to the samples tested.

RL - Reporting Limit

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

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

Reviewed by: 
Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

Company: AUC LLC
1536 Cole Blvd
Lakewood, CO 80401
ProjectName: Reno Creek Project
Lab ID: S1106127-001
ClientSample ID: OM5-003-110607
COC: RC 08285

Date Reported 7/7/2011
Report ID S1106127001
WorkOrder: S1106127
CollectionDate: 6/7/2011 10:00:00 AM
DateReceived: 6/8/2011 11:43:00 AM
FieldSampler: TN
Matrix: Water

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

These results apply only to the samples tested.

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



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Date Reported: 7/7/2011
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ClientSample ID: OM5-003-110607
COC: RC 08285

WorkOrder: S1106127
CollectionDate: 6/7/2011 10:00:00 AM
DateReceived: 6/8/2011 11:43:00 AM
FieldSampler: TN
Matrix: Water

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Metals - Dissolved							
Aluminum	ND	mg/L		0.1	EPA 200.7	6/9/2011 11:02:47 AM	DG
Arsenic	0.003	mg/L		0.001	EPA 200.8	6/8/2011 10:06:54 PM	MS
Barium	ND	mg/L		0.1	EPA 200.8	6/8/2011 10:06:54 PM	MS
Boron	ND	mg/L		0.1	EPA 200.7	6/9/2011 11:02:47 AM	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	6/8/2011 10:06:54 PM	MS
Chromium	ND	mg/L		0.01	EPA 200.7	6/9/2011 11:02:47 AM	DG
Copper	ND	mg/L		0.01	EPA 200.8	6/8/2011 10:06:54 PM	MS
Iron	ND	mg/L		0.05	EPA 200.7	6/9/2011 11:02:47 AM	DG
Lead	ND	mg/L		0.01	EPA 200.8	6/8/2011 10:06:54 PM	MS
Manganese	0.33	mg/L		0.01	EPA 200.7	6/9/2011 11:02:47 AM	DG
Mercury	ND	mg/L		0.001	EPA 245.1	6/10/2011 11:33:38 AM	VR
Molybdenum	ND	mg/L		0.01	EPA 200.8	6/8/2011 10:06:54 PM	MS
Nickel	ND	mg/L		0.05	EPA 200.7	6/9/2011 11:02:47 AM	DG
Selenium	0.006	mg/L		0.005	EPA 200.8	6/8/2011 10:06:54 PM	MS
Uranium	0.0006	mg/L		0.0003	EPA 200.8	6/8/2011 10:06:54 PM	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	6/8/2011 10:06:54 PM	MS
Zinc	ND	mg/L		0.01	EPA 200.7	6/9/2011 11:02:47 AM	DG
Metals - Suspended							
Uranium	ND	mg/L		0.0003	EPA 200.8	6/13/2011 5:54:04 PM	MS
Metals - Total							
Iron	0.40	mg/L		0.05	EPA 200.7	6/10/2011 6:20:58 PM	DG
Manganese	0.34	mg/L		0.01	EPA 200.7	6/10/2011 6:20:58 PM	DG

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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Reviewed by: 
Lacey Ketron, Water Lab Supervisor



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FieldSampler: TN
Matrix: Water

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows include Radionuclides - Dissolved (Gross Alpha, Gross Beta, Lead 210, Polonium 210, Radium 226, Radium 228, Thorium 230) and Radionuclides - Suspended (Lead 210, Polonium 210, Radium 226, Thorium 230). Total Radon 222 is also listed.

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

Alkalinity

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

Sample ID	RunNo: 70884	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/08/11 16:57	Alkalinity, Total (As CaCO3)	ND	5					

Sample ID	RunNo: 71059	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/14/11 10:47	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo: 70884	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/08/11 16:50	Alkalinity, Total (As CaCO3)	598	5	607		98.6	90 - 110	

Sample ID	RunNo: 71059	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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: 70884	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106126-001B	06/08/11 17:54	Alkalinity, Bicarbonate as HCO3	580	5	584	0.668		20	
		Alkalinity, Carbonate as CO3	ND	5	ND	0		20	
		Alkalinity, Total (As CaCO3)	476	5	479	0.668		20	

Sample ID	RunNo: 71059	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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	

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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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

ConductivitySample Type **MBLK**

Units: µmhos/cm

Sample ID	RunNo: 70884	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/08/11 16:57	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: 70884	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/08/11 16:50	Electrical Conductivity	974	5	1000		97.3	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: 70884	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106126-001B	06/08/11 17:54	Electrical Conductivity	2380	5	2410	1.24		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
S1106107-004C	06/10/11 11:17	Mercury	0.002	0.001	0.00244	ND	95.0	70 - 130	

Sample Type **MSD**

Units: mg/L

Sample ID	RunNo: 70937	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106107-004C	06/10/11 11:19	Mercury	0.002	0.001	0.002	1.39	96.4	20	

Sample Type **DUP**

Units: mg/L

Sample ID	RunNo: 70937	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106107-004C	06/10/11 11:16	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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

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

Sample ID	RunNo: 70908	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	06/09/11 10:43	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: 70908	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	06/09/11 10:45	Aluminum	1.1	0.1	1		107	85 - 115	
		Boron	1.1	0.1	1		105	85 - 115	
		Chromium	1.09	0.01	1		109	85 - 115	
		Iron	1.06	0.05	1		106	85 - 115	
		Manganese	1.07	0.02	1		107	85 - 115	
		Nickel	1.07	0.01	1		107	85 - 115	
		Zinc	1.09	0.01	1		109	85 - 115	

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

Sample ID	RunNo: 70908	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106142-003BS	06/09/11 11:16	Aluminum	0.6	0.1	0.5	ND	114	70 - 130	
		Boron	0.6	0.1	0.5	ND	113	70 - 130	
		Chromium	0.55	0.01	0.5	ND	110	70 - 130	
		Iron	0.55	0.05	0.5	ND	107	70 - 130	
		Manganese	0.56	0.02	0.5	ND	110	70 - 130	
		Nickel	0.54	0.01	0.5	ND	107	70 - 130	
		Zinc	1.01	0.01	0.5	0.52	99.7	70 - 130	

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

Sample ID	RunNo: 70908	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106142-003BSD	06/09/11 11:18	Aluminum	0.6	0.1	0.6	1.66	116	20	
		Boron	0.6	0.1	0.6	3.56	117	20	
		Chromium	0.56	0.01	0.55	2.42	112	20	
		Iron	0.57	0.05	0.55	2.11	110	20	
		Manganese	0.57	0.02	0.56	2.00	112	20	
		Nickel	0.55	0.01	0.54	2.68	110	20	
		Zinc	1.02	0.01	1.01	0.178	100	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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

Dissolved Metals by ICP - EPA 200.7 - Water

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

Sample ID	RunNo: 70908	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106142-002BD	06/09/11 11:11	Aluminum	ND	0.1	ND	0		20	
		Boron	ND	0.1	ND	0		20	
		Chromium	ND	0.01	ND	0		20	
		Iron	ND	0.05	ND	0		20	
		Manganese	ND	0.02	ND	0		20	
		Nickel	ND	0.01	ND	0		20	
		Zinc	ND	0.01	ND	0		20	

Dissolved Metals by ICPMS EPA 200.8 - Water

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

Sample ID	RunNo: 70867	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	06/08/11 15:42	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: 70867	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	06/08/11 15:38	Arsenic	0.106	0.005	0.1		106	85 - 115	
		Barium	ND	0.5	0.1		107	85 - 115	
		Cadmium	0.109	0.002	0.1		109	85 - 115	
		Copper	0.10	0.01	0.1		102	85 - 115	
		Lead	0.10	0.02	0.1		99.6	85 - 115	
		Molybdenum	0.11	0.02	0.1		106	85 - 115	
		Selenium	0.107	0.005	0.1		107	85 - 115	
		Uranium	0.103	0.001	0.1		103	85 - 115	
		Vanadium	0.11	0.02	0.1		105	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: 70867	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106126-001ES	06/08/11 21:58	Arsenic	1.19	0.005	1.1	ND	108	70 - 130	
		Barium	1.1	0.5	1.1	ND	102	70 - 130	
		Cadmium	1.20	0.002	1.1	ND	109	70 - 130	
		Copper	1.11	0.01	1.1	ND	100	70 - 130	
		Lead	1.09	0.02	1.1	ND	99.3	70 - 130	
		Molybdenum	1.20	0.02	1.1	ND	109	70 - 130	
		Selenium	1.17	0.005	1.1	0.007	106	70 - 130	
		Uranium	1.12	0.001	1.1	ND	102	70 - 130	
		Vanadium	1.16	0.02	1.1	ND	105	70 - 130	

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

Sample ID	RunNo: 70867	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106126-001EMSD	06/08/11 22:02	Arsenic	1.19	0.005	1.19	0.192	107	20	
		Barium	1.1	0.5	1.1	1.71	100	20	
		Cadmium	1.19	0.002	1.20	0.709	108	20	
		Copper	1.09	0.01	1.11	1.52	98.6	20	
		Lead	1.07	0.02	1.09	2.45	96.9	20	
		Molybdenum	1.19	0.02	1.20	0.366	108	20	
		Selenium	1.15	0.005	1.17	1.46	104	20	
		Uranium	1.13	0.001	1.12	0.249	102	20	
		Vanadium	1.17	0.02	1.16	0.609	106	20	

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

Sample ID	RunNo: 70867	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106126-001ED	06/08/11 21:54	Arsenic	ND	0.005	ND	0		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	0.007	0.005	0.007	0.977		20	
		Uranium	ND	0.001	ND	0		20	
		Vanadium	ND	0.02	ND	0		20	

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Work Order: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

Fluoride by SM 4500

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

Sample ID	RunNo: 70884	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/08/11 16:57	Fluoride	ND	0.1					

Sample ID	RunNo: 71059	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/14/11 10:47	Fluoride	ND	0.1					

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

Sample ID	RunNo: 70884	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/08/11 16:50	Fluoride	2.9	0.1	2.71		106	90 - 110	

Sample ID	RunNo: 71059	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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: 70884	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106146-1SPK	06/09/11 0:18	Fluoride	2.0	0.1	2.5	ND	81.5	80 - 120	

Sample ID	RunNo: 71059	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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: 70884	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106126-001B	06/08/11 17:54	Fluoride	ND	0.1	ND	0		20	

Sample ID	RunNo: 71059	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

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

Sample ID	RunNo: 70906	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	06/09/11 10:43	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: 70906	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	06/09/11 10:47	Calcium	40	1	40		100	85 - 115	
		Magnesium	40	1	40		99.0	85 - 115	
		Potassium	41	1	40		102	85 - 115	
		Sodium	41	1	40		101	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: 70906	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106142-003AS	06/09/11 11:16	Calcium	36	1	25	8	108	70 - 130	
		Magnesium	30	1	25	2	112	70 - 130	
		Potassium	30	1	25	1	116	70 - 130	
		Sodium	32	1	25	5	109	70 - 130	

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

Sample ID	RunNo: 70906	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106142-003ASD	06/09/11 11:18	Calcium	36	1	36	1.97	111	20	
		Magnesium	31	1	30	2.92	116	20	
		Potassium	31	1	30	1.80	119	20	
		Sodium	32	1	32	1.75	111	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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

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

Sample ID	RunNo: 70906	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106142-002AD	06/09/11 11:11	Calcium	36	1	36	0.266		20	
		Magnesium	3	1	3	0.377		20	
		Potassium	ND	1	ND	0		20	
		Sodium	5	1	5	1.55		20	

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

Sample ID	RunNo: 71098	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	06/15/11 11:25	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 71098	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	06/15/11 11:27	Nitrogen, Ammonia (As N)	9.6	0.1	8.93		108	90 - 110	

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

Sample ID	RunNo: 71098	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106146-003B	06/15/11 11:58	Nitrogen, Ammonia (As N)	11.6	0.1	10	ND	116	80 - 120	

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

Sample ID	RunNo: 71098	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106146-003B	06/15/11 11:57	Nitrogen, Ammonia (As N)	ND	0.1	ND	0		20	

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

Sample ID	RunNo: 71151	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	06/16/11 13:46	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 71151	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	06/16/11 13:48	Nitrogen, Nitrate-Nitrite (as N)	8.4	0.1	7.69		109	90 - 110	

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

Sample ID	RunNo: 71151	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106148-001B	06/16/11 14:04	Nitrogen, Nitrate-Nitrite (as N)	11.2	0.05	10	ND	112	80 - 120	

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

Sample ID	RunNo: 71151	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106148-001B	06/16/11 14:03	Nitrogen, Nitrate-Nitrite (as N)	ND	0.05	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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

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

Sample ID	RunNo: 71420	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106127-001GDUP	06/22/11 16:41	Lead 210 (Dissolved)	ND	1	ND	0		20	

Sample ID	RunNo: 71421	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106127-001GDUP	06/22/11 11:21	Polonium 210 (Dissolved)	ND	1	ND	0		20	

Sample ID	RunNo: 71684	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106128-001GDUP	06/24/11 10:09	Lead 210 (Suspended)	ND	1	ND	0		20	

Sample ID	RunNo: 71691	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106128-001GDUP	06/23/11 17:27	Polonium 210 (Suspended)	ND	1	ND	0		20	

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

Sample ID	RunNo: 71876	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-180	07/05/11 15:16	Radium 228 (Dissolved)	ND	1					

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

Sample ID	RunNo: 71876	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-180	07/05/11 15:16	Radium 228 (Dissolved)	10	1	10.2		94.3	74.9 - 122	

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

Sample ID	RunNo: 71876	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106147-002AMS	07/05/11 15:16	Radium 228 (Dissolved)	14	1	10.2	1	126	48.4 - 167	

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

Sample ID	RunNo: 71876	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106149-001ADUP	07/05/11 15:16	Radium 228 (Dissolved)	1	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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

Radium 226 by SM 7500

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

Sample ID	RunNo: 71275	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-165	06/20/11 17:31	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 71510	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-172A	06/24/11 11:48	Radium 226 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 71275	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-165	06/20/11 17:31	Radium 226 (Dissolved)	4.9	0.2	5		98.4	62.5 - 125	

Sample ID	RunNo: 71510	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-172A	06/24/11 11:48	Radium 226 (Suspended)	5.2	0.2	5		104	62.5 - 125	

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

Sample ID	RunNo: 71275	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106112-002AMS	06/20/11 17:31	Radium 226 (Dissolved)	3.3	0.2	5	0.3	61.1	41.6 - 146	

Sample ID	RunNo: 71510	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106159-001FMS	06/24/11 11:48	Radium 226 (Suspended)	5.2	0.2	5	ND	104	41.6 - 146	

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

Sample ID	RunNo: 71275	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106112-001ADUP	06/20/11 17:31	Radium 226 (Dissolved)	1.6	0.2	1.8	11.0		20	

Sample ID	RunNo: 71510	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106157-003EDUP	06/24/11 11:48	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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

Thorium 230 in Water

Sample 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-RN

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

Sample ID	RunNo: 71508	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R71508	06/08/11 0:00	Radon-222	ND	50					L

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

Sample ID	RunNo: 71508	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R71508	06/08/11 0:00	Radon-222	24600	100	22500		109	75 - 125	L

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

Sample ID	RunNo: 71508	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106127-001B	06/08/11 0:00	Radon-222	150	50	170	9.58		20	L

- 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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

Silica as SiO2

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

Sample ID	RunNo: 70911	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	06/09/11 10:43	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 70911	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	06/09/11 10:45	Silica as SiO2	2.3	0.1	2.14		109	85 - 115	

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

Sample ID	RunNo: 70911	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106142-002BD	06/09/11 11:11	Silica as SiO2	25.9	0.1	25.9	0.126		20	

Solids By SM 2540

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

Sample ID	RunNo: 71092	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	06/10/11 9:10	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 71092	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CONTROL	06/10/11 9:15	Total Dissolved Solids (180)	230	10	226		103	90 - 110	

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

Sample ID	RunNo: 71092	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106132-001A	06/10/11 9:40	Total Dissolved Solids (180)	1580	10	1560	1.03		20	

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: AUC LLC
Work Order: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

Total (200.2) Metals by EPA 200.7 ICP - Water

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

Sample ID	RunNo: 70954	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK 6/10 TOT -5193	06/10/11 18:11	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 70954	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS 6/10 TOT -5193	06/10/11 18:13	Iron	0.49	0.05	0.5		97.7	85 - 115	
		Manganese	0.20	0.02	0.2		98.4	85 - 115	

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

Sample ID	RunNo: 70954	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1106127-001FS	06/10/11 18:30	Iron	0.88	0.05	0.5	0.40	96.4	70 - 130	
		Manganese	0.54	0.02	0.2	0.34	99.8	70 - 130	

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

Sample ID	RunNo: 70954	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1106127-001FSD	06/10/11 18:32	Iron	0.88	0.05	0.88	0.0567	96.5	20	
		Manganese	0.54	0.02	0.54	0.313	101	20	

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

Sample ID	RunNo: 70954	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106126-001FD	06/10/11 18:18	Iron	3.35	0.05	3.43	2.23		20	
		Manganese	0.58	0.02	0.59	1.99		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: S1106127
Project: Reno Creek Project

Date: 7/20/2011
Report ID: S1106127001

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: 70884	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	06/08/11 16:50	pH	8.7	0.1	8.63		101	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: 70884	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1106126-001B	06/08/11 17:54	pH	7.7	0.1	7.7	0.0866		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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 - 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) 672-8945

This is a LEGAL DOCUMENT. All shaded fields must be completed. See reverse for instructions. #RC 08285

- CHAIN OF CUSTODY RECORD -

Client Name: AUCLIC
 Report Address: peavendor@auc-llc.com;
 mickerson@trccorp.com; jshriver@trccorp.com

Project Identification: Reno Creek Project
 Contact Name: Tracy Nickerson

Sampler (Signature/Printed): Tracy Nickerson

ANALYSES/ PARAMETERS

Telephone #

Invoice Address: AUCLIC
 95 Lawrence St. Ste 395
 Casper WY 82601

Email: mickerson@trccorp.com
 Phone: 307-265-0696
 Purchase Order #
 Quote #

See Attached Table 1 (4,14, Guide 8, Radon 222)
 See Attached Table 2 (Air Particulate)
 See Attached Table 3 (Vegetation)
 See Attached Table 4 (Sediment)
 See Attached Table 5 (Soil)
 See Attached Table 8 WYDES Discharge
 See Attached Table 9 (Blanks)

REMARKS

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME	SAMPLE IDENTIFICATION	Matrix	# of Containers	REMARKS
1							
2	51106107-001	6/7/11	10:00	OMS-003-110607	WJ	13	X Groundwater
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

LAB COMMENTS: Relinquished By (Signature/Printed): Tracy Nickerson
 DATE: 6/7/11 TIME: 15:30
 Received By (Signature/Printed): [Signature]
 DATE: 6/8-11 TIME: 11:43

SHIPPING INFO: UPS Fed Express US Mail Hand Carried Other

MATRIX CODES: Water Soil Solid Trip Blank Other

TURNAROUND TIMES: Standard turnaround RUSH - 5 Working Days URGENT - < 2 Working Days
 Rush & Urgent Surcharges will be applied

COMPLIANCE INFORMATION: Compliance Monitoring? Y N
 Program (SDWA, NPDES,...)
 PWSID / Permit #
 Chlorinated? Y N
 Sample Disposal: Lab Client

ADDITIONAL REMARKS: 4.5