



Tuesday, September 27, 2011

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

RE: Reno Creek Project  
Orde

r No.: S1108297

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples PZM8-004-110816 on August 16, 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: 9/27/2011

**CLIENT:** AUC LLC  
**Project:** Reno Creek Project  
**Lab Order:** S1108297

**CASE NARRATIVE**  
**Report ID:** S1108297001

Sample PZM8-004-110816 was received on August 16, 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

- S1108431-001 - General Parameters/Nitrogen, Ammonia (As N) - RPD outside accepted recovery limits
- MB-R73902 - General Parameters/Radon-222 - Analyzed by a contract laboratory
- LCS-R73902 - General Parameters/Radon-222 - Analyzed by a contract laboratory
- S1108297-001 - 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
ProjectName: Reno Creek Project
Lab ID: S1108297-001
ClientSample ID: PZM8-004-110816
COC: RC 08353

Date Reported 9/27/2011
Report ID S1108297001
WorkOrder: S1108297
CollectionDate: 8/16/2011 11:45:00 AM
DateReceived: 8/16/2011 4:40:00 PM
FieldSampler: RM
Matrix: Water

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

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: S1108297-001
ClientSample ID: PZM8-004-110816
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Date Reported 9/27/2011
Report ID S1108297001
WorkOrder: S1108297
CollectionDate: 8/16/2011 11:45:00 AM
DateReceived: 8/16/2011 4:40:00 PM
FieldSampler: RM
Matrix: Water

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

These results apply only to the samples tested.

RL - Reporting Limit

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

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

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



### Sample Analysis Report

**Company:** AUC LLC  
 1536 Cole Blvd  
 Lakewood, CO 80401

**ProjectName:** Reno Creek Project  
**Lab ID:** S1108297-001  
**ClientSample ID:** PZM8-004-110816  
**COC:** RC 08353

**Date Reported:** 9/27/2011  
**Report ID:** S1108297001

**WorkOrder:** S1108297  
**CollectionDate:** 8/16/2011 11:45:00 AM  
**DateReceived:** 8/16/2011 4:40:00 PM  
**FieldSampler:** RM  
**Matrix:** Water

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
<b>Metals - Dissolved</b>							
Aluminum	ND	mg/L		0.1	EPA 200.7	8/18/2011 4:00:37 PM	DG
Arsenic	0.003	mg/L		0.001	EPA 200.8	8/23/2011 3:29:34 PM	MS
Barium	ND	mg/L		0.1	EPA 200.8	8/23/2011 3:29:34 PM	MS
Boron	ND	mg/L		0.1	EPA 200.7	8/18/2011 4:00:37 PM	DG
Cadmium	ND	mg/L		0.001	EPA 200.8	8/23/2011 3:29:34 PM	MS
Chromium	ND	mg/L		0.01	EPA 200.7	8/18/2011 4:00:37 PM	DG
Copper	ND	mg/L		0.01	EPA 200.8	8/23/2011 3:29:34 PM	MS
Iron	ND	mg/L		0.05	EPA 200.7	8/18/2011 4:00:37 PM	DG
Lead	ND	mg/L		0.01	EPA 200.8	8/23/2011 3:29:34 PM	MS
Manganese	0.08	mg/L		0.01	EPA 200.7	8/18/2011 4:00:37 PM	DG
Mercury	ND	mg/L		0.001	EPA 245.1	8/31/2011 1:02:50 PM	VR
Molybdenum	ND	mg/L		0.01	EPA 200.8	8/23/2011 3:29:34 PM	MS
Nickel	ND	mg/L		0.05	EPA 200.7	8/18/2011 4:00:37 PM	DG
Selenium	ND	mg/L		0.005	EPA 200.8	8/23/2011 3:29:34 PM	MS
Uranium	0.0144	mg/L		0.0003	EPA 200.8	8/23/2011 3:29:34 PM	MS
Vanadium	ND	mg/L		0.1	EPA 200.8	8/23/2011 3:29:34 PM	MS
Zinc	ND	mg/L		0.01	EPA 200.7	8/18/2011 4:00:37 PM	DG
<b>Metals - Suspended</b>							
Uranium	ND	mg/L		0.0003	EPA 200.8	8/28/2011 10:49:44 AM	MS
<b>Metals - Total</b>							
Iron	ND	mg/L		0.05	EPA 200.7	8/22/2011 9:45:52 PM	DG
Manganese	0.09	mg/L		0.01	EPA 200.7	8/22/2011 9:45:52 PM	DG

These results apply only to the samples tested.

#### RL - Reporting Limit

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  - 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: S1108297-001
ClientSample ID: PZM8-004-110816
COC: RC 08353

Date Reported 9/27/2011
Report ID S1108297001
WorkOrder: S1108297
CollectionDate: 8/16/2011 11:45:00 AM
DateReceived: 8/16/2011 4:40:00 PM
FieldSampler: RM
Matrix: Water

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

These results apply only to the samples tested.

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



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Alkalinity**

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	08/18/11 16:37	Alkalinity, Total (As CaCO3)	ND	5					

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	08/18/11 16:28	Alkalinity, Total (As CaCO3)	589	5	601		98.0	90 - 110	

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108313-005AD	08/18/11 19:56	Alkalinity, Bicarbonate as HCO3	455	5	456	0.0893		20	
		Alkalinity, Carbonate as CO3	ND	5	ND			20	
		Alkalinity, Total (As CaCO3)	373	5	374	0.0893		20	

**Conductivity**

Sample Type **MBLK** Units: µmhos/cm

Sample ID	RunNo: 73542	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	08/18/11 16:37	Electrical Conductivity	ND	5					

Sample Type **LCS** Units: µmhos/cm

Sample ID	RunNo: 73542	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	08/18/11 16:28	Electrical Conductivity	1100	5	1120		97.5	90 - 110	

Sample Type **DUP** Units: µmhos/cm

Sample ID	RunNo: 73542	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108313-005AD	08/18/11 19:56	Electrical Conductivity	3930	5	3900	0.769		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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Dissolved Mercury by EPA 245.1 - Water**

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

Sample ID	RunNo: 74003	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LRB	08/31/11 12:06	Mercury	ND	0.001					

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

Sample ID	RunNo: 74003	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	08/31/11 12:04	Mercury	0.002	0.001	0.002		95.9	85 - 115	

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

Sample ID	RunNo: 74003	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108296-001D	08/31/11 12:59	Mercury	0.002	0.001	0.00244	ND	81.6	70 - 130	

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

Sample ID	RunNo: 74003	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1108296-001D	08/31/11 13:01	Mercury	0.002	0.001	0.002	2.08	79.9	20	

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

Sample ID	RunNo: 74003	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108296-001D	08/31/11 12:57	Mercury	ND	0.001	ND			20	

- Qualifiers:**
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  - E Value above quantitation range
  - J Analyte detected below quantitation limits
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  - R RPD outside accepted recovery limits





### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Dissolved Metals by ICP - EPA 200.7 - Water**

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

Sample ID	RunNo: 73541	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	08/18/11 13:56	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: 73541	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	08/18/11 13:59	Aluminum	1.0	0.1	1		101	85 - 115	
		Boron	1.0	0.1	1		102	85 - 115	
		Chromium	1.04	0.01	1		104	85 - 115	
		Iron	1.03	0.05	1		103	85 - 115	
		Manganese	1.03	0.02	1		103	85 - 115	
		Nickel	1.04	0.01	1		104	85 - 115	
		Zinc	1.01	0.01	1		101	85 - 115	

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

Sample ID	RunNo: 73541	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108297-001DS	08/18/11 16:02	Aluminum	0.5	0.1	0.5	ND	99.9	70 - 130	
		Boron	0.5	0.1	0.5	ND	97.4	70 - 130	
		Chromium	0.49	0.01	0.5	ND	97.7	70 - 130	
		Iron	0.49	0.05	0.5	ND	96.1	70 - 130	
		Manganese	0.54	0.02	0.5	0.08	92.6	70 - 130	
		Nickel	0.48	0.01	0.5	ND	96.4	70 - 130	
		Zinc	0.47	0.01	0.5	ND	92.9	70 - 130	

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

Sample ID	RunNo: 73541	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1108297-001DSD	08/18/11 16:05	Aluminum	0.5	0.1	0.5	8.33	108	20	
		Boron	0.6	0.1	0.5	10.7	109	20	
		Chromium	0.54	0.01	0.49	10.8	108	20	
		Iron	0.54	0.05	0.49	9.89	106	20	
		Manganese	0.59	0.02	0.54	8.93	102	20	
		Nickel	0.53	0.01	0.48	9.71	106	20	
		Zinc	0.52	0.01	0.47	11.9	104	20	

- Qualifiers:**
- B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
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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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Dissolved Metals by ICP - EPA 200.7 - Water**

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

Sample ID	RunNo: 73541	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108296-001DD	08/18/11 15:58	Aluminum	ND	0.1	ND			20	
		Boron	ND	0.1	ND			20	
		Chromium	ND	0.01	ND			20	
		Iron	ND	0.05	ND			20	
		Manganese	0.04	0.02	0.04	0.281		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: 73678	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
INIT CAL BLANK	08/23/11 12:37	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: 73678	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	08/23/11 12:45	Arsenic	0.102	0.005	0.1		102	85 - 115	
		Barium	ND	0.5	0.1		94.9	85 - 115	
		Cadmium	0.102	0.002	0.1		102	85 - 115	
		Copper	0.10	0.01	0.1		95.8	85 - 115	
		Lead	0.10	0.02	0.1		96.9	85 - 115	
		Molybdenum	0.10	0.02	0.1		102	85 - 115	
		Selenium	0.101	0.005	0.1		101	85 - 115	
		Uranium	0.095	0.001	0.1		95.2	85 - 115	
		Vanadium	0.10	0.02	0.1		95.1	85 - 115	

- 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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Dissolved Metals by ICPMS EPA 200.8 - Water**

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

Sample ID	RunNo: 73678	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108419-011CS	08/23/11 15:05	Arsenic	1.18	0.005	1.1	0.048	102	70 - 130	
		Barium	1.1	0.5	1.1	ND	95.4	70 - 130	
		Cadmium	1.13	0.002	1.1	ND	103	70 - 130	
		Copper	1.05	0.01	1.1	ND	95.3	70 - 130	
		Lead	1.06	0.02	1.1	ND	96.4	70 - 130	
		Molybdenum	1.15	0.02	1.1	ND	104	70 - 130	
		Selenium	1.11	0.005	1.1	ND	101	70 - 130	
		Uranium	1.07	0.001	1.1	0.003	96.9	70 - 130	
		Vanadium	1.29	0.02	1.1	0.25	94.9	70 - 130	

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

Sample ID	RunNo: 73678	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1108419-011CMSD	08/23/11 15:09	Arsenic	1.17	0.005	1.18	0.359	102	20	
		Barium	1.1	0.5	1.1	1.11	96.5	20	
		Cadmium	1.13	0.002	1.13	0.173	103	20	
		Copper	1.06	0.01	1.05	0.415	95.7	20	
		Lead	1.06	0.02	1.06	0.0396	96.4	20	
		Molybdenum	1.16	0.02	1.15	0.738	105	20	
		Selenium	1.11	0.005	1.11	0.345	101	20	
		Uranium	1.06	0.001	1.07	0.345	96.5	20	
		Vanadium	1.28	0.02	1.29	0.721	94.1	20	

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

Sample ID	RunNo: 73678	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108419-011CD	08/23/11 15:01	Arsenic	0.048	0.005	0.048	0.116		20	
		Barium	ND	0.5	ND			20	
		Cadmium	ND	0.002	ND			20	
		Copper	ND	0.01	ND			20	
		Lead	ND	0.02	ND			20	
		Molybdenum	ND	0.02	ND			20	
		Selenium	ND	0.005	ND			20	
		Uranium	0.003	0.001	0.003	0.741		20	
		Vanadium	0.25	0.02	0.25	0.115		20	

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### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Fluoride by SM 4500**

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	08/18/11 16:37	Fluoride	ND	0.1					

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	08/18/11 16:28	Fluoride	2.9	0.1	2.96		96.6	90 - 110	

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108341-003ASPK	08/18/11 22:24	Fluoride	2.8	0.1	2.5	0.2	105	80 - 120	

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108313-005AD	08/18/11 19:56	Fluoride	0.3	0.1	0.3	1.55		20	

**Gross Alpha, Beta by SM 7110B**

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

Sample ID	RunNo: 74609	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-249	09/13/11 7:11	Gross Alpha (Dissolved)	ND	2					
		Gross Beta (Dissolved)	ND	3					

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

Sample ID	RunNo: 74609	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-249	09/13/11 7:11	Gross Alpha (Dissolved)	82	2	73.6		112	83 - 133	
		Gross Beta (Dissolved)	130	3	126		103	88 - 115	

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

Sample ID	RunNo: 74609	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108281-001FMS	09/13/11 7:11	Gross Alpha (Dissolved)	168	2	147	7	109	48 - 153	
		Gross Beta (Dissolved)	271	3	252	3	106	60 - 140	

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

Sample ID	RunNo: 74609	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108356-001FDUP	09/18/11 22:31	Gross Alpha (Dissolved)	40	2	40	1.27		20	
		Gross Beta (Dissolved)	19	4	18	3.75		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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Anions by ION Chromatography**

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

Sample ID	RunNo: 73547	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	08/18/11 10:54	Chloride	ND	1					
		Sulfate	ND	1					

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

Sample ID	RunNo: 73547	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DIONEX	08/18/11 11:05	Chloride	30	1	30		101	90 - 110	
		Sulfate	141	1	150		93.9	90 - 110	

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

Sample ID	RunNo: 73547	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108334-002ASPK	08/18/11 13:58	Chloride	14	1	10	4	91.0	80 - 120	
		Sulfate	515	1	80	437	97.8	80 - 120	

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

Sample ID	RunNo: 73547	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108334-002AD	08/18/11 13:46	Chloride	4	1	4	7.41		20	
		Sulfate	433	1	437	0.899		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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

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

Sample ID	RunNo: 73540	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	08/18/11 13:56	Calcium	ND	1					
		Magnesium	ND	1					
		Potassium	ND	1					
		Sodium	ND	1					

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

Sample ID	RunNo: 73540	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CAT LCS IML3	08/18/11 14:01	Calcium	40	1	40		99.0	85 - 115	
		Magnesium	39	1	40		96.3	85 - 115	
		Potassium	40	1	40		98.7	85 - 115	
		Sodium	40	1	40		99.6	85 - 115	

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

Sample ID	RunNo: 73540	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108341-003AS	08/18/11 17:33	Calcium	94	1	50	45	97.6	70 - 130	
		Magnesium	75	1	50	23	104	70 - 130	
		Potassium	72	1	50	16	111	70 - 130	
		Sodium	173	1	50	121	104	70 - 130	

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

Sample ID	RunNo: 73540	Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual
S1108341-003ASD	08/18/11 17:35	Calcium	92	1	94	2.60	92.7	20	
		Magnesium	73	1	75	3.00	99.6	20	
		Potassium	68	1	72	4.68	104	20	
		Sodium	169	1	173	2.18	96.1	20	

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

Sample ID	RunNo: 73540	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108341-002AD	08/18/11 17:28	Calcium	2	1	2	0.326		20	
		Magnesium	1	1	1	1.16		20	
		Potassium	4	1	4	0.641		20	
		Sodium	326	1	329	0.893		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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Nitrogen, Ammonia (as N)**

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

Sample ID	RunNo: 73895	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLANK	08/29/11 12:18	Nitrogen, Ammonia (As N)	ND	0.1					

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

Sample ID	RunNo: 73895	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	08/29/11 12:20	Nitrogen, Ammonia (As N)	8.8	0.1	8.93		98.9	90 - 110	

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

Sample ID	RunNo: 73895	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108431-001B	08/29/11 14:06	Nitrogen, Ammonia (As N)	10.4	0.05	10	0.27	102	80 - 120	

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

Sample ID	RunNo: 73895	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108431-001B	08/29/11 14:05	Nitrogen, Ammonia (As N)	0.21	0.05	0.27	20.6		20	R

**Nitrogen, Nitrate-Nitrite (as N)**

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

Sample ID	RunNo: 73796	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
BLK	08/25/11 12:36	Nitrogen, Nitrate-Nitrite (as N)	ND	0.1					

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

Sample ID	RunNo: 73796	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
QC	08/25/11 12:38	Nitrogen, Nitrate-Nitrite (as N)	10.1	0.1	10		101	90 - 110	

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

Sample ID	RunNo: 73796	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108330-001C	08/25/11 15:54	Nitrogen, Nitrate-Nitrite (as N)	8.9	0.1	10	ND	88.6	80 - 120	

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

Sample ID	RunNo: 73796	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108330-001C	08/25/11 15:53	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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Lead 210 and Polonium 210**

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

Sample ID	RunNo: 74499	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-235 09/13/11 16:17 Lead 210 (Dissolved) ND 1

Sample ID	RunNo: 74500	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-235 09/02/11 11:54 Polonium 210 (Dissolved) ND 1

Sample ID	RunNo: 74966	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-257 09/23/11 13:27 Lead 210 (Suspended) ND 1

Sample ID	RunNo: 74967	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-257 09/23/11 11:30 Polonium 210 (Suspended) ND 1

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

Sample ID	RunNo: 74499	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-235 09/02/11 16:26 Lead 210 (Dissolved) 14 1 13 106 67.6 - 131

Sample ID	RunNo: 74500	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-235 09/02/11 11:54 Polonium 210 (Dissolved) 8 1 13 59.5 35.1 - 175

Sample ID	RunNo: 74966	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-257 09/22/11 23:02 Lead 210 (Suspended) 15 1 12.9 114 60.3 - 141

Sample ID	RunNo: 74967	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-257 PO 09/23/11 11:30 Polonium 210 (Suspended) 4 1 2.64 144 48.6 - 156

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

Sample ID	RunNo: 74499	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108250-004EMS 09/02/11 16:26 Lead 210 (Dissolved) 15 1 13 2 102 66 - 133

Sample ID	RunNo: 74500	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108250-004EMS 09/02/11 11:54 Polonium 210 (Dissolved) 4 1 13 ND 29.3 20.9 - 160

Sample ID	RunNo: 74966	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108326-001FMS 09/22/11 23:02 Lead 210 (Suspended) 14 1 12.9 1 101 62.4 - 132

Sample ID	RunNo: 74967	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108326-001FMS 09/23/11 11:30 Polonium 210 (Suspended) 15 1 12.9 ND 115 28 - 173

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





### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Lead 210 and Polonium 210**

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

Sample ID	RunNo: 74499	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1108252-004EDUP 09/02/11 16:26 Lead 210 (Dissolved) ND 1 ND 20

Sample ID	RunNo: 74500	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1108252-004EDUP 09/02/11 11:54 Polonium 210 (Dissolved) ND 1 ND 20

Sample ID	RunNo: 74966	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1108328-001FDUP 09/22/11 23:02 Lead 210 (Suspended) 1 1 1 7.23 20

Sample ID	RunNo: 74967	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1108328-001FDUP 09/23/11 11:30 Polonium 210 (Suspended) 0.4 ± 0.4 1 ND 20

**Radium 228**

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

Sample ID	RunNo: 74665	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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MB11-255 09/15/11 16:49 Radium 228 (Dissolved) ND 1

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

Sample ID	RunNo: 74665	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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LCS11-255 09/15/11 16:49 Radium 228 (Dissolved) 11 1 10 105 74.9 - 122

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

Sample ID	RunNo: 74665	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
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S1108329-001FMS 09/15/11 16:49 Radium 228 (Dissolved) 13 1 10 3 101 48.4 - 167

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

Sample ID	RunNo: 74665	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
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S1108330-001FDUP 09/15/11 16:49 Radium 228 (Dissolved) ND 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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Radium 226 by SM 7500**

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

Sample ID	RunNo: 73818	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-234	08/25/11 11:54	Radium 226 (Dissolved)	ND	0.2					

Sample ID	RunNo: 74256	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-243	09/06/11 16:29	Radium 226 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 73818	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-234	08/25/11 11:54	Radium 226 (Dissolved)	4.4	0.2	5		87.9	62.5 - 125	

Sample ID	RunNo: 74256	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-243	09/06/11 16:29	Radium 226 (Suspended)	5.0	0.2	5.06		98.1	56.4 - 132	

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

Sample ID	RunNo: 73818	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108250-002EMS	08/25/11 17:40	Radium 226 (Dissolved)	5.0	0.2	5	ND	101	41.6 - 146	

Sample ID	RunNo: 74256	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108250-002EMS	09/06/11 16:29	Radium 226 (Suspended)	5.1	0.2	5.06	ND	100	51.4 - 135	

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

Sample ID	RunNo: 73818	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108327-001FDUP	08/25/11 11:54	Radium 226 (Dissolved)	0.8	0.2	0.7	8.22		20	

Sample ID	RunNo: 74256	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108250-001FDUP	09/06/11 16:29	Radium 226 (Suspended)	ND	0.2	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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Thorium 230 in Water**Sample Type **MBLK** Units: pCi/L

Sample ID	RunNo: 74929	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-255	09/18/11 15:03	Thorium 230 (Dissolved)	ND	0.2					

Sample ID	RunNo: 74995	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB11-258	09/21/11 15:26	Thorium 230 (Suspended)	ND	0.2					

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

Sample ID	RunNo: 74929	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-255	09/18/11 15:04	Thorium 230 (Dissolved)	11	0.2	12		88.5	67.1 - 134	

Sample ID	RunNo: 74995	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS11-258	09/21/11 15:26	Thorium 230 (Suspended)	13	0.2	12		102	69.2 - 127	

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

Sample ID	RunNo: 74929	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108297-001FDUP	09/20/11 9:40	Thorium 230 (Dissolved)	ND	0.2	ND			20	

Sample ID	RunNo: 74995	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108298-001FDUP	09/21/11 15:26	Thorium 230 (Suspended)	ND	0.2	ND			20	

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

Sample ID	RunNo: 73902	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-R73902	08/17/11 0:00	Radon-222	ND	50					L

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

Sample ID	RunNo: 73902	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-R73902	08/17/11 0:00	Radon-222	23400	100	22500		104	75 - 125	L

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

Sample ID	RunNo: 73902	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108297-001A	08/17/11 0:00	Radon-222	46500	50	47900	2.92		20	L

**Qualifiers:**

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



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**Silica as SiO2**

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

Sample ID	RunNo: 73543	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MBLK DISS/CAT	08/18/11 13:56	Silica as SiO2	ND	0.1					

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

Sample ID	RunNo: 73543	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DISS LCS Q	08/18/11 13:59	Silica as SiO2	2.2	0.1	2.14		100	85 - 115	

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

Sample ID	RunNo: 73543	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108296-001DD	08/18/11 15:58	Silica as SiO2	7.7	0.1	7.7	0.181		20	

**Solids By SM 2540**

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

Sample ID	RunNo: 73720	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
DI	08/19/11 8:10	Total Dissolved Solids (180)	ND	10					

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

Sample ID	RunNo: 73720	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
CONTROL	08/19/11 8:15	Total Dissolved Solids (180)	220	10	226		99.1	90 - 110	

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

Sample ID	RunNo: 73720	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108297-001A	08/19/11 8:30	Total Dissolved Solids (180)	1490	10	1460	1.92		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:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

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

Sample ID	RunNo: 73674	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
MB-5393	08/23/11 13:43	Iron	ND	0.05					
		Manganese	ND	0.02					

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

Sample ID	RunNo: 73643	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS-5393	08/22/11 21:31	Iron	0.48	0.05	0.5		96.7	85 - 115	
		Manganese	0.19	0.02	0.2		95.6	85 - 115	

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

Sample ID	RunNo: 73643	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108297-001ES	08/22/11 21:48	Iron	0.49	0.05	0.5	ND	88.7	70 - 130	
		Manganese	0.27	0.02	0.2	0.09	89.1	70 - 130	

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

Sample ID	RunNo: 73643	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108296-001ED	08/22/11 21:43	Iron	ND	0.05	ND			20	
		Manganese	0.05	0.02	0.05	1.56		20	

**Suspended Natural Uranium**Sample Type **MBLK** Units: mg/L

Sample ID	RunNo: 73822	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
INIT CAL BLANK	08/28/11 9:48	Uranium Suspended	ND	0.0003					

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

Sample ID	RunNo: 73822	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
LCS	08/28/11 9:53	Uranium Suspended	0.106	0.0003	0.1		106	85 - 115	

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

Sample ID	RunNo: 73822	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
S1108296-001FS	08/28/11 10:44	Uranium Suspended	1.16	0.0003	1.1	ND	106	70 - 130	

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

Sample ID	RunNo: 73822	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108296-001FD	08/28/11 10:41	Uranium Suspended	ND	0.0003	ND			20	

**Qualifiers:**

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



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1108297  
**Project:** Reno Creek Project

**Date:** 9/27/2011  
**Report ID:** S1108297001

**pH Water**

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
ATQC	08/18/11 16:28	pH	8.6	0.1	8.48		101	90 - 110	

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

Sample ID	RunNo: 73542	Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual
S1108313-005AD	08/18/11 19:56	pH	8.1	0.1	8.0	0.154		20	

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



**Inter-Mountain Labs**  
 Sheridan, WY and Gillette, WY  
 1673 Terra Ave.  
 Sheridan, WY 82801  
 (307) 682-3945  
 (307) 672-8945

This is a LEGAL DOCUMENT. All shaded fields must be completed. See reverse for instructions. #RC 08353

- CHAIN OF CUSTODY RECORD -

Client Name: **AUC LLC**  
 Report Address: **peavendor@auc-llc.com; tricketson@treccorp.com; jshriver@treccorp.com**  
 Invoice Address: **AUC LLC**  
 Invoice Address: **900 WEBBER CT. SUITE 150**  
**CASPER WY 82401**

Project Identification: **Reno Creek Project**  
 Contact Name: **Trace Tricketson**  
 Email: **tricketson@treccorp.com**  
 Phone: **307 265-0696**  
 Purchase Order #:   
 Quote #:

Sample (Signature/Printed): **For Mr. Ryan Muecke**  
 Telephone #: **307 265 0696**

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME	SAMPLE IDENTIFICATION	Matrix	# of Containers	ANALYSES / PARAMETERS	REMARKS
1	5110817-001	8-16-11	11:45 AM	P2M 8-004-110816	WT	15	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 WYPDES Discharge See Attached Table 9 (Blanks)	LEAD AND CADMIUM
2	8297							
3	L5K 8-19-11							
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								

LAB COMMENTS: Relinquished By (Signature/Printed) **For Mr. Ryan Muecke** DATE TIME **8-16-11 3:55**  
 Received By (Signature/Printed) **Mike D. McLeod** DATE TIME **8/16/11 10:40**  
**Rathay Boop** **8:17:11 9:48**

SHIPPING INFO:  UPS  Fed Express  US Mail  Hand Carried  Other

MATRIX CODES:  Water  Soil  Solid  Trip Blank  Other

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

COMPLIANCE INFORMATION: Compliance Monitoring?  Y /  N  PWSID / Permit #  Chlorinated?  Y /  N Sample Disposal: Lab  Client

ADDITIONAL REMARKS: