



Tuesday, December 7, 2010

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

RE: Reno Creek Project

Order No.: S1011101

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples PZD5, PZM5, and UM5 on November 4, 2010.

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: 12/7/2010

**CLIENT:** AUC LLC  
**Project:** Reno Creek Project  
**Lab Order:** S1011101

**CASE NARRATIVE**  
**Report ID:** S1011101002  
(Replaces S1011101001)

Samples PZD5, PZM5, and UM5 were received on November 4, 2010.

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

S1011101-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory  
S1011101-002 - General Parameters/Radon-222 - Analyzed by a contract laboratory  
S1011101-003 - Radiochemistry/Radium 228 (Dissolved) - Analyte detected in the associated Method Blank  
S1011101-003 - General Parameters/Radon-222 - Analyzed by a contract laboratory

Qualifiers by sample

S1011101-001 - Radiochemistry/Thorium 230 (Suspended) - RPD outside accepted recovery limits  
S1011101-002 - Radiochemistry/Radium 226 (Dissolved) - RPD outside accepted recovery limits  
S1011101-001 - Dissolved Metals/Arsenic - RPD outside accepted recovery limits  
LCS-R65562 - General Parameters/Radon-222 - Analyzed by a contract laboratory  
LCS-R65306 - Radiochemistry/Radium 228 (Dissolved) - Analyte detected in the associated Method Blank  
MB-R65306 - Radiochemistry/Radium 228 (Dissolved) - Analyte detected in the associated Method Blank  
MB-R65562 - General Parameters/Radon-222 - Analyzed by a contract laboratory  
S1011101-002 - Radiochemistry/Polonium 210 (Dissolved) - Spike Recovery outside accepted recovery limits  
S1011101-003 - Radiochemistry/Radium 228 (Dissolved) - Analyte detected in the associated Method Blank

Reviewed by:

Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-001  
**Client Sample ID:** PZD5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 9:30:00 AM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Field</b>						
pH Reading 1	7.52			s.u.	11/02/2010 930	Field
pH Reading 2	7.52			s.u.	11/02/2010 930	Field
pH Reading 3	7.52			s.u.	11/02/2010 930	Field
Conductivity Reading 1	1773			µmhos/cm	11/02/2010 930	Field
Conductivity Reading 2	1773			µmhos/cm	11/02/2010 930	Field
Conductivity Reading 3	1773			µmhos/cm	11/02/2010 930	Field
Turbidity Reading 1	9.89			NTU	11/02/2010 930	Field
Turbidity Reading 2	9.91			NTU	11/02/2010 930	Field
Turbidity Reading 3	9.89			NTU	11/02/2010 930	Field
Dissolved Oxygen Reading 1	7.91			mg/l	11/02/2010 930	Field
Dissolved Oxygen Reading 2	7.89			mg/l	11/02/2010 930	Field
Dissolved Oxygen Reading 3	7.92			mg/l	11/02/2010 930	Field
Temperature Reading 1	14.87			°C	11/02/2010 930	Field
Temperature Reading 2	14.89			°C	11/02/2010 930	Field
Temperature Reading 3	14.89			°C	11/02/2010 930	Field
Oxygen Reduction Potential Reading 1	157.3			mV	11/02/2010 930	Field
Oxygen Reduction Potential Reading 2	157.2			mV	11/02/2010 930	Field
Oxygen Reduction Potential Reading 3	157.1			mV	11/02/2010 930	Field
Purge Rate Reading 1	350			ml/min	11/02/2010 930	Field
Purge Rate Reading 2	375			ml/min	11/02/2010 930	Field
Purge Rate Reading 3	375			ml/min	11/02/2010 930	Field
Water Level Reading 1	65.72			Ft	11/02/2010 930	Field
Water Level Reading 2	65.73			Ft	11/02/2010 930	Field
Water Level Reading 3	65.73			Ft	11/02/2010 930	Field

**General Parameters**

pH	8.2	0.1		s.u.	11/04/2010 2103 KO	SM 4500 H B
Electrical Conductivity	579	5		µmhos/cm	11/04/2010 2103 KO	SM 2510B
Total Dissolved Solids (180)	420	10		mg/L	11/05/2010 1231 JF	SM 2540
Solids, Total Dissolved (Calc)	330	10		mg/L	11/16/2010 1000 LJK	SM 1030E
Alkalinity, Total (As CaCO3)	238	5		mg/L	11/12/2010 1541 KO	SM 2320B
Nitrogen, Ammonia (As N)	0.8	0.1		mg/L	11/15/2010 1314 AS	EPA 350.1
Radon-222	125 ± 26	50	L	pCi/L	11/03/2010 000 LJK	SM7500-RN
Silica as SiO2	13	1		mg/L	11/04/2010 1648 DG	EPA 200.7

**These results apply only to the samples tested.**

**RL - Reporting Limit**

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

- B Analyte detected in the associated Method Blank
- 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

Reviewed by: *Lacey Ketron*  
Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-001  
**Client Sample ID:** PZD5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 9:30:00 AM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Anions</b>						
Alkalinity, Bicarbonate as HCO <sub>3</sub>	291	5		mg/L	11/12/2010 1541 KO	SM 2320B
Alkalinity, Carbonate as CO <sub>3</sub>	ND	5		mg/L	11/12/2010 1541 KO	SM 2320B
Chloride	15	1		mg/L	11/12/2010 000 KO	EPA 300.0
Fluoride	0.6	0.1		mg/L	11/04/2010 2103 KO	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1		mg/L	11/12/2010 1241 AS	EPA 353.2
Sulfate	32	1		mg/L	11/12/2010 000 KO	EPA 300.0
<b>Cations</b>						
Calcium	17	1		mg/L	11/12/2010 1538 MS	EPA 200.7
Magnesium	3	1		mg/L	11/12/2010 1538 MS	EPA 200.7
Potassium	9	1		mg/L	11/04/2010 1648 DG	EPA 200.7
Sodium	109	1		mg/L	11/04/2010 1648 DG	EPA 200.7
<b>Cation / Anion Balance</b>						
Cation Sum	6.05	0		meq/L	11/16/2010 1000 LJK	SM 1030E
Anion Sum	5.86	0		meq/L	11/16/2010 1000 LJK	SM 1030E
Cation-Anion Balance	1.56	0		%	11/16/2010 1000 LJK	SM 1030E
<b>Radiochemistry</b>						
Gross Alpha	3.4 ± 0.8	2		pCi/L	11/14/2010 2244 SH	SM 7110B
Gross Beta	6.0 ± 1.0	3		pCi/L	11/14/2010 2244 SH	SM 7110B
Radium 226 (Dissolved)	0.282 ± 0.062	0.2		piC/L	11/17/2010 1047 SH	SM 7500-Ra B
Radium 226 (Suspended)	<0.2	0.2		piC/L	11/18/2010 948 SH	SM 7500-Ra B
Radium 228 (Dissolved)	1.35 ± 1.2	1		piC/L	11/17/2010 2015 SH	Ra-05
Lead 210 (Dissolved)	1.5 ± 0.7	1		pCi/L	11/19/2010 1347 SH	OTW01
Lead 210 (Suspended)	1.3 ± 0.5	1		pCi/L	11/19/2010 1608 SH	OTW01
Polonium 210 (Dissolved)	<1	1		pCi/L	11/19/2010 938 SH	OTW01
Polonium 210 (Suspended)	<1	1		pCi/L	11/19/2010 1052 SH	OTW01
Thorium 230 (Dissolved)	<0.2	0.2		pCi/L	11/19/2010 924 WL	ACW10
Thorium 230 (Suspended)	0.3 ± 0.4	0.2		pCi/L	11/22/2010 1828 WL	ACW10
Uranium Suspended	<0.0003	0.0003		mg/L	11/09/2010 1410 MS	EPA 200.8

**These results apply only to the samples tested.**

**Qualifiers:** \* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
M Value exceeds Monthly Ave or MCL  
O Outside the Range of Dilutions

**RL - Reporting Limit**

B Analyte detected in the associated Method Blank  
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

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-001  
**Client Sample ID:** PZD5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 9:30:00 AM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Dissolved Metals</b>						
Aluminum	0.1	0.1		mg/L	11/04/2010 1648 DG	EPA 200.7
Arsenic	0.001	0.001		mg/L	11/04/2010 1752 MS	EPA 200.8
Barium	ND	0.1		mg/L	11/04/2010 1752 MS	EPA 200.8
Boron	ND	0.1		mg/L	11/04/2010 1648 DG	EPA 200.7
Cadmium	ND	0.001		mg/L	11/04/2010 1752 MS	EPA 200.8
Chromium	ND	0.01		mg/L	11/04/2010 1648 DG	EPA 200.7
Copper	ND	0.01		mg/L	11/04/2010 1752 MS	EPA 200.8
Iron	0.07	0.05		mg/L	11/04/2010 1648 DG	EPA 200.7
Lead	ND	0.01		mg/L	11/04/2010 1752 MS	EPA 200.8
Manganese	0.06	0.01		mg/L	11/04/2010 1648 DG	EPA 200.7
Mercury	ND	0.001		mg/L	11/09/2010 1015 BK	EPA 245.1
Molybdenum	0.02	0.01		mg/L	11/04/2010 1752 MS	EPA 200.8
Nickel	ND	0.05		mg/L	11/04/2010 1648 DG	EPA 200.7
Selenium	ND	0.005		mg/L	11/04/2010 1752 MS	EPA 200.8
Uranium	0.0018	0.0003		mg/L	11/04/2010 1752 MS	EPA 200.8
Vanadium	ND	0.1		mg/L	11/04/2010 1752 MS	EPA 200.8
Zinc	ND	0.01		mg/L	11/04/2010 1648 DG	EPA 200.7
<b>Total Metals</b>						
Iron	0.24	0.05		mg/L	11/07/2010 1219 DG	EPA 200.7
Manganese	0.07	0.01		mg/L	11/07/2010 1219 DG	EPA 200.7

**These results apply only to the samples tested.**

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

**RL - Reporting Limit**

- B Analyte detected in the associated Method Blank
- 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

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-002  
**Client Sample ID:** UM5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 11:45:00 AM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Field</b>						
pH Reading 1	7.99			s.u.	11/02/2010 1145	Field
pH Reading 2	8.0			s.u.	11/02/2010 1145	Field
pH Reading 3	7.93			s.u.	11/02/2010 1145	Field
Conductivity Reading 1	556			µmhos/cm	11/02/2010 1145	Field
Conductivity Reading 2	551			µmhos/cm	11/02/2010 1145	Field
Conductivity Reading 3	549			µmhos/cm	11/02/2010 1145	Field
Turbidity Reading 1	9.32			NTU	11/02/2010 1145	Field
Turbidity Reading 2	9.54			NTU	11/02/2010 1145	Field
Turbidity Reading 3	9.24			NTU	11/02/2010 1145	Field
Dissolved Oxygen Reading 1	7.98			mg/l	11/02/2010 1145	Field
Dissolved Oxygen Reading 2	8.0			mg/l	11/02/2010 1145	Field
Dissolved Oxygen Reading 3	7.92			mg/l	11/02/2010 1145	Field
Temperature Reading 1	14.66			°C	11/02/2010 1145	Field
Temperature Reading 2	14.89			°C	11/02/2010 1145	Field
Temperature Reading 3	14.39			°C	11/02/2010 1145	Field
Oxygen Reduction Potential Reading 1	-164.6			mV	11/02/2010 1145	Field
Oxygen Reduction Potential Reading 2	-169.7			mV	11/02/2010 1145	Field
Oxygen Reduction Potential Reading 3	-170.3			mV	11/02/2010 1145	Field
Purge Rate Reading 1	175			ml/min	11/02/2010 1145	Field
Purge Rate Reading 2	175			ml/min	11/02/2010 1145	Field
Purge Rate Reading 3	175			ml/min	11/02/2010 1145	Field
Water Level Reading 1	169.85			Ft	11/02/2010 1145	Field
Water Level Reading 2	169.96			Ft	11/02/2010 1145	Field
Water Level Reading 3	170.39			Ft	11/02/2010 1145	Field

**General Parameters**

pH	8.2	0.1		s.u.	11/04/2010 2113 KO	SM 4500 H B
Electrical Conductivity	576	5		µmhos/cm	11/04/2010 2113 KO	SM 2510B
Total Dissolved Solids (180)	420	10		mg/L	11/05/2010 1236 JF	SM 2540
Solids, Total Dissolved (Calc)	320	10		mg/L	11/16/2010 1000 LJK	SM 1030E
Alkalinity, Total (As CaCO3)	231	5		mg/L	11/04/2010 2113 KO	SM 2320B
Nitrogen, Ammonia (As N)	0.8	0.1		mg/L	11/15/2010 1315 AS	EPA 350.1
Radon-222	133 ± 26	50	L	pCi/L	11/03/2010 000 LJK	SM7500-RN
Silica as SiO2	12	1		mg/L	11/04/2010 1650 DG	EPA 200.7

**These results apply only to the samples tested.**

**RL - Reporting Limit**

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

- B Analyte detected in the associated Method Blank
- 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

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-002  
**Client Sample ID:** UM5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 11:45:00 AM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Anions</b>						
Alkalinity, Bicarbonate as HCO <sub>3</sub>	282	5		mg/L	11/04/2010 2113 KO	SM 2320B
Alkalinity, Carbonate as CO <sub>3</sub>	ND	5		mg/L	11/04/2010 2113 KO	SM 2320B
Chloride	14	1		mg/L	11/05/2010 1710 KO	EPA 300.0
Fluoride	0.6	0.1		mg/L	11/04/2010 2113 KO	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1		mg/L	11/12/2010 1242 AS	EPA 353.2
Sulfate	31	1		mg/L	11/05/2010 1710 KO	EPA 300.0
<b>Cations</b>						
Calcium	17	1		mg/L	11/04/2010 1650 DG	EPA 200.7
Magnesium	3	1		mg/L	11/04/2010 1650 DG	EPA 200.7
Potassium	8	1		mg/L	11/04/2010 1650 DG	EPA 200.7
Sodium	106	1		mg/L	11/04/2010 1650 DG	EPA 200.7
<b>Cation / Anion Balance</b>						
Cation Sum	5.89	0		meq/L	11/16/2010 1000 LJK	SM 1030E
Anion Sum	5.69	0		meq/L	11/16/2010 1000 LJK	SM 1030E
Cation-Anion Balance	1.70	0		%	11/16/2010 1000 LJK	SM 1030E
<b>Radiochemistry</b>						
Gross Alpha	3.3 ± 0.8	2		pCi/L	11/14/2010 2244 SH	SM 7110B
Gross Beta	6.7 ± 1.1	3		pCi/L	11/14/2010 2244 SH	SM 7110B
Radium 226 (Dissolved)	0.234 ± 0.056	0.2		piC/L	11/17/2010 1047 SH	SM 7500-Ra B
Radium 226 (Suspended)	<0.2	0.2		piC/L	11/18/2010 948 SH	SM 7500-Ra B
Radium 228 (Dissolved)	<1	1		piC/L	11/17/2010 2015 SH	Ra-05
Lead 210 (Dissolved)	<1	1		pCi/L	11/19/2010 1347 SH	OTW01
Lead 210 (Suspended)	1.3 ± 0.5	1		pCi/L	11/19/2010 1608 SH	OTW01
Polonium 210 (Dissolved)	<1	1		pCi/L	11/19/2010 938 SH	OTW01
Polonium 210 (Suspended)	<1	1		pCi/L	11/19/2010 1052 SH	OTW01
Thorium 230 (Dissolved)	<0.2	0.2		pCi/L	11/19/2010 924 WL	ACW10
Thorium 230 (Suspended)	<0.2	0.2		pCi/L	11/22/2010 1828 WL	ACW10
Uranium Suspended	<0.0003	0.0003		mg/L	11/09/2010 1421 MS	EPA 200.8

**These results apply only to the samples tested.**

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

**RL - Reporting Limit**

- B Analyte detected in the associated Method Blank
- 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

Reviewed by: *Lacey Ketron*  
Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-002  
**Client Sample ID:** UM5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 11:45:00 AM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Dissolved Metals</b>						
Aluminum	0.1	0.1		mg/L	11/04/2010 1650 DG	EPA 200.7
Arsenic	ND	0.001		mg/L	11/04/2010 1759 MS	EPA 200.8
Barium	ND	0.1		mg/L	11/04/2010 1759 MS	EPA 200.8
Boron	ND	0.1		mg/L	11/04/2010 1650 DG	EPA 200.7
Cadmium	ND	0.001		mg/L	11/04/2010 1759 MS	EPA 200.8
Chromium	ND	0.01		mg/L	11/04/2010 1650 DG	EPA 200.7
Copper	ND	0.01		mg/L	11/04/2010 1759 MS	EPA 200.8
Iron	0.06	0.05		mg/L	11/04/2010 1650 DG	EPA 200.7
Lead	ND	0.01		mg/L	11/04/2010 1759 MS	EPA 200.8
Manganese	0.06	0.01		mg/L	11/04/2010 1650 DG	EPA 200.7
Mercury	ND	0.001		mg/L	11/09/2010 1017 BK	EPA 245.1
Molybdenum	0.02	0.01		mg/L	11/04/2010 1759 MS	EPA 200.8
Nickel	ND	0.05		mg/L	11/04/2010 1650 DG	EPA 200.7
Selenium	ND	0.005		mg/L	11/04/2010 1759 MS	EPA 200.8
Uranium	0.0014	0.0003		mg/L	11/04/2010 1759 MS	EPA 200.8
Vanadium	ND	0.1		mg/L	11/04/2010 1759 MS	EPA 200.8
Zinc	ND	0.01		mg/L	11/04/2010 1650 DG	EPA 200.7
<b>Total Metals</b>						
Iron	0.23	0.05		mg/L	11/07/2010 1221 DG	EPA 200.7
Manganese	0.07	0.01		mg/L	11/07/2010 1221 DG	EPA 200.7

**These results apply only to the samples tested.**

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

**RL - Reporting Limit**

- B Analyte detected in the associated Method Blank
- 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

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-003  
**Client Sample ID:** PZM5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 3:30:00 PM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
----------	--------	----	------	-------	--------------------	--------

Field						
pH Reading 1	7.35			s.u.	11/02/2010 1530	Field
pH Reading 2	7.21			s.u.	11/02/2010 1530	Field
pH Reading 3	7.26			s.u.	11/02/2010 1530	Field
Conductivity Reading 1	1183			µmhos/cm	11/02/2010 1530	Field
Conductivity Reading 2	1165			µmhos/cm	11/02/2010 1530	Field
Conductivity Reading 3	1170			µmhos/cm	11/02/2010 1530	Field
Turbidity Reading 1	3.51			NTU	11/02/2010 1530	Field
Turbidity Reading 2	3.78			NTU	11/02/2010 1530	Field
Turbidity Reading 3	3.58			NTU	11/02/2010 1530	Field
Dissolved Oxygen Reading 1	2.06			mg/l	11/02/2010 1530	Field
Dissolved Oxygen Reading 2	1.96			mg/l	11/02/2010 1530	Field
Dissolved Oxygen Reading 3	1.94			mg/l	11/02/2010 1530	Field
Temperature Reading 1	12.31			°C	11/02/2010 1530	Field
Temperature Reading 2	12.32			°C	11/02/2010 1530	Field
Temperature Reading 3	12.29			°C	11/02/2010 1530	Field
Oxygen Reduction Potential Reading 1	3.3			mV	11/02/2010 1530	Field
Oxygen Reduction Potential Reading 2	3.9			mV	11/02/2010 1530	Field
Oxygen Reduction Potential Reading 3	3.0			mV	11/02/2010 1530	Field
Purge Rate Reading 1	350			ml/min	11/02/2010 1530	Field
Purge Rate Reading 2	350			ml/min	11/02/2010 1530	Field
Purge Rate Reading 3	350			ml/min	11/02/2010 1530	Field
Water Level Reading 1	130.52			Ft	11/02/2010 1530	Field
Water Level Reading 2	130.59			Ft	11/02/2010 1530	Field
Water Level Reading 3	130.61			Ft	11/02/2010 1530	Field

General Parameters						
pH	8.0	0.1		s.u.	11/04/2010 2122 KO	SM 4500 H B
Electrical Conductivity	1180	5		µmhos/cm	11/04/2010 2122 KO	SM 2510B
Total Dissolved Solids (180)	890	10		mg/L	11/05/2010 1241 JF	SM 2540
Solids, Total Dissolved (Calc)	780	10		mg/L	11/16/2010 1000 LJK	SM 1030E
Alkalinity, Total (As CaCO3)	107	5		mg/L	11/04/2010 2122 KO	SM 2320B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	11/15/2010 1316 AS	EPA 350.1
Radon-222	2150 ± 250	50	L	pCi/L	11/03/2010 000 LJK	SM7500-RN
Silica as SiO2	10	1		mg/L	11/04/2010 1652 DG	EPA 200.7

**These results apply only to the samples tested.**

**RL - Reporting Limit**

**Qualifiers:**  
\* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
M Value exceeds Monthly Ave or MCL  
O Outside the Range of Dilutions

B Analyte detected in the associated Method Blank  
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

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-003  
**Client Sample ID:** PZM5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 3:30:00 PM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Anions</b>						
Alkalinity, Bicarbonate as HCO <sub>3</sub>	131	5		mg/L	11/04/2010 2122 KO	SM 2320B
Alkalinity, Carbonate as CO <sub>3</sub>	ND	5		mg/L	11/04/2010 2122 KO	SM 2320B
Chloride	3	1		mg/L	11/05/2010 1721 KO	EPA 300.0
Fluoride	ND	0.1		mg/L	11/04/2010 2122 KO	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1		mg/L	11/12/2010 1243 AS	EPA 353.2
Sulfate	452	1		mg/L	11/05/2010 1721 KO	EPA 300.0
<b>Cations</b>						
Calcium	92	1		mg/L	11/04/2010 1652 DG	EPA 200.7
Magnesium	17	1		mg/L	11/04/2010 1652 DG	EPA 200.7
Potassium	7	1		mg/L	11/04/2010 1652 DG	EPA 200.7
Sodium	147	1		mg/L	11/04/2010 1652 DG	EPA 200.7
<b>Cation / Anion Balance</b>						
Cation Sum	12.52	0		meq/L	11/16/2010 1000 LJK	SM 1030E
Anion Sum	11.62	0		meq/L	11/16/2010 1000 LJK	SM 1030E
Cation-Anion Balance	3.72	0		%	11/16/2010 1000 LJK	SM 1030E
<b>Radiochemistry</b>						
Gross Alpha	78.7 ± 4.5	2		pCi/L	11/14/2010 2244 SH	SM 7110B
Gross Beta	25.2 ± 2.4	3		pCi/L	11/14/2010 2244 SH	SM 7110B
Radium 226 (Dissolved)	1.73 ± 0.15	0.2		piC/L	11/17/2010 1047 SH	SM 7500-Ra B
Radium 226 (Suspended)	<0.2	0.2		piC/L	11/18/2010 948 SH	SM 7500-Ra B
Radium 228 (Dissolved)	<1	1	B	pCi/L	11/18/2010 2100 SH	Ra-05
Lead 210 (Dissolved)	1.3 ± 0.5	1		pCi/L	11/19/2010 1347 SH	OTW01
Lead 210 (Suspended)	<1	1		pCi/L	11/19/2010 1608 SH	OTW01
Polonium 210 (Dissolved)	<1	1		pCi/L	11/19/2010 938 SH	OTW01
Polonium 210 (Suspended)	<1	1		pCi/L	11/19/2010 1052 SH	OTW01
Thorium 230 (Dissolved)	<0.2	0.2		pCi/L	11/16/2010 1149 WL	ACW10
Thorium 230 (Suspended)	<0.2	0.2		pCi/L	11/22/2010 1828 WL	ACW10
Uranium Suspended	<0.0003	0.0003		mg/L	11/09/2010 1424 MS	EPA 200.8

**These results apply only to the samples tested.**

**Qualifiers:** \* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
M Value exceeds Monthly Ave or MCL  
O Outside the Range of Dilutions

**RL - Reporting Limit**

B Analyte detected in the associated Method Blank  
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

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager



### Sample Analysis Report

**CLIENT:** AUC LLC  
1536 Cole Blvd  
Suite 330  
Lakewood, CO 80401

**Date Reported:** 12/7/2010  
**Report ID:** S1011101002  
(Replaces S1011101001)

**Project:** Reno Creek Project  
**Lab ID:** S1011101-003  
**Client Sample ID:** PZM5  
**COC:** 004

**Work Order:** S1011101  
**Collection Date:** 11/2/2010 3:30:00 PM  
**Date Received:** 11/4/2010 10:16:00 AM  
**Sampler:** TN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Dissolved Metals</b>						
Aluminum	ND	0.1		mg/L	11/04/2010 1652 DG	EPA 200.7
Arsenic	ND	0.001		mg/L	11/04/2010 1803 MS	EPA 200.8
Barium	ND	0.1		mg/L	11/04/2010 1803 MS	EPA 200.8
Boron	ND	0.1		mg/L	11/04/2010 1652 DG	EPA 200.7
Cadmium	ND	0.001		mg/L	11/04/2010 1803 MS	EPA 200.8
Chromium	ND	0.01		mg/L	11/04/2010 1652 DG	EPA 200.7
Copper	ND	0.01		mg/L	11/04/2010 1803 MS	EPA 200.8
Iron	0.07	0.05		mg/L	11/04/2010 1652 DG	EPA 200.7
Lead	ND	0.01		mg/L	11/04/2010 1803 MS	EPA 200.8
Manganese	0.09	0.01		mg/L	11/04/2010 1652 DG	EPA 200.7
Mercury	ND	0.001		mg/L	11/09/2010 1018 BK	EPA 245.1
Molybdenum	ND	0.01		mg/L	11/04/2010 1803 MS	EPA 200.8
Nickel	ND	0.05		mg/L	11/04/2010 1652 DG	EPA 200.7
Selenium	ND	0.005		mg/L	11/04/2010 1803 MS	EPA 200.8
Uranium	0.0895	0.0003		mg/L	11/04/2010 1803 MS	EPA 200.8
Vanadium	ND	0.1		mg/L	11/04/2010 1803 MS	EPA 200.8
Zinc	ND	0.01		mg/L	11/04/2010 1652 DG	EPA 200.7
<b>Total Metals</b>						
Iron	0.24	0.05		mg/L	11/07/2010 1223 DG	EPA 200.7
Manganese	0.10	0.01		mg/L	11/07/2010 1223 DG	EPA 200.7

**These results apply only to the samples tested.**

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

**RL - Reporting Limit**

- B Analyte detected in the associated Method Blank
- 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

Reviewed by: Lacey Ketron  
Lacey Ketron, Project Manager



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>ALK_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64944</b>
Client ID:		Batch ID: <b>R64944</b>	Analysis Date: <b>11/12/2010 3:28:36 PM</b>	SeqNo: <b>2029903</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Alkalinity, Total (As CaCO3)	ND	5			

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>ALK_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 1:40:00 PM</b>	SeqNo: <b>2032170</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Alkalinity, Total (As CaCO3)	ND	5			

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>ALK_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 10:37:00 PM</b>	SeqNo: <b>2032175</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Alkalinity, Total (As CaCO3)	ND	5			

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>ALK_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64944</b>
Client ID:		Batch ID: <b>R64944</b>	Analysis Date: <b>11/15/2010 10:19:00 AM</b>	SeqNo: <b>2032187</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Alkalinity, Total (As CaCO3)	ND	5			

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>ALK_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64658</b>						
Client ID:	Batch ID: <b>R64658</b>			Analysis Date: <b>11/4/2010 1:30:19 PM</b>	SeqNo: <b>2021298</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	480	5	473		101	96.6	103				

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>ALK_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64658</b>						
Client ID:	Batch ID: <b>R64658</b>			Analysis Date: <b>11/4/2010 10:27:14 PM</b>	SeqNo: <b>2021479</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	483	5	473		102	96.6	103				

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>ALK_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64944</b>						
Client ID:	Batch ID: <b>R64944</b>			Analysis Date: <b>11/12/2010 3:19:17 PM</b>	SeqNo: <b>2029899</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	478	5	473		101	96.6	103				

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>ALK_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64944</b>						
Client ID:	Batch ID: <b>R64944</b>			Analysis Date: <b>11/15/2010 10:09:00 AM</b>	SeqNo: <b>2032179</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	474	5	473		100	96.6	103				

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>COND_2510B</b>	Units: <b>µmhos/cm</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 1:40:00 PM</b>		SeqNo: <b>2032172</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Electrical Conductivity	ND	5			

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>COND_2510B</b>	Units: <b>µmhos/cm</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 10:37:00 PM</b>		SeqNo: <b>2032176</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Electrical Conductivity	ND	5			

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>COND_2510B</b>	Units: <b>µmhos/cm</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 1:30:19 PM</b>		SeqNo: <b>2021299</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Electrical Conductivity	1010	5	1000		101 95.2 105

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>COND_2510B</b>	Units: <b>µmhos/cm</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 10:27:14 PM</b>		SeqNo: <b>2021480</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Electrical Conductivity	993	5	1000		99.3 95.2 105

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>LRB</b>	SampType: <b>MBLK</b>	TestCode: <b>DISS_HG_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64777</b>
Client ID:	Batch ID: <b>R64777</b>		Analysis Date: <b>11/9/2010 8:33:37 AM</b>		SeqNo: <b>2024629</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	ND	0.001			

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>DISS_HG_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64777</b>
Client ID:	Batch ID: <b>R64777</b>		Analysis Date: <b>11/9/2010 8:31:31 AM</b>		SeqNo: <b>2024626</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.002	0.001	0.002		102 85 115

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>ICB</b>	SampType: <b>MBLK</b>	TestCode: <b>DISS_ICP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64653</b>						
Client ID:		Batch ID: <b>R64653</b>	Analysis Date: <b>11/4/2010 2:04:22 PM</b>		SeqNo: <b>2021165</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.1									
Boron	ND	0.03									
Chromium	ND	0.01									
Iron	ND	0.05									
Manganese	ND	0.02									
Nickel	ND	0.01									
Zinc	ND	0.01									

Sample ID: <b>ICV Q</b>	SampType: <b>LCS</b>	TestCode: <b>DISS_ICP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64653</b>						
Client ID:		Batch ID: <b>R64653</b>	Analysis Date: <b>11/4/2010 2:06:40 PM</b>		SeqNo: <b>2021166</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.1	0.1	1		105	85	115				
Boron	1.03	0.03	1		103	85	115				
Chromium	1.03	0.01	1		103	85	115				
Iron	1.03	0.05	1		103	85	115				
Manganese	1.04	0.02	1		104	85	115				
Nickel	1.03	0.01	1		103	85	115				
Zinc	1.03	0.01	1		103	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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>Init Cal Blank</b>		SampType: <b>MBLK</b>		TestCode: <b>DISS_ICPMS</b>		Units: <b>mg/L</b>		Prep Date:		RunNo: <b>64649</b>	
Client ID:		Batch ID: <b>R64649</b>		Analysis Date: <b>11/4/2010 3:31:40 PM</b>		SeqNo: <b>2021054</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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 ID: <b>lcs</b>		SampType: <b>LCS</b>		TestCode: <b>DISS_ICPMS</b>		Units: <b>mg/L</b>		Prep Date:		RunNo: <b>64649</b>	
Client ID:		Batch ID: <b>R64649</b>		Analysis Date: <b>11/4/2010 3:38:52 PM</b>		SeqNo: <b>2021055</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.099	0.005	0.1		99.3	85	115				
Barium	ND	0.5	0.1		99.6	85	115				
Cadmium	0.102	0.002	0.1		102	85	115				
Copper	0.10	0.01	0.1		98.4	85	115				
Lead	0.10	0.02	0.1		98.5	85	115				
Molybdenum	0.10	0.02	0.1		101	85	115				
Selenium	0.098	0.005	0.1		97.8	85	115				
Uranium	0.101	0.001	0.1		101	85	115				
Vanadium	0.10	0.02	0.1		99.9	85	115				

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>S1011101-001Ds</b>	SampType: <b>MS</b>	TestCode: <b>DISS_ICPMS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64649</b>						
Client ID: <b>PZD5</b>	Batch ID: <b>R64649</b>	Analysis Date: <b>11/4/2010 5:48:52 PM</b>	SeqNo: <b>2021075</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.29	0.005	1.1	0.00146	117	70	130				
Barium	1.3	0.5	1.1	0.0541	116	70	130				
Cadmium	1.32	0.002	1.1	0.000235	120	70	130				
Copper	1.25	0.01	1.1	0.0018	114	70	130				
Lead	1.25	0.02	1.1	0.000769	114	70	130				
Molybdenum	1.35	0.02	1.1	0.0184	121	70	130				
Selenium	1.29	0.005	1.1	0.0048	117	70	130				
Uranium	1.33	0.001	1.1	0.00178	121	70	130				
Vanadium	1.30	0.02	1.1	0.000901	118	70	130				

Sample ID: <b>S1011101-001D</b>	SampType: <b>DUP</b>	TestCode: <b>DISS_ICPMS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64649</b>						
Client ID: <b>PZD5</b>	Batch ID: <b>R64649</b>	Analysis Date: <b>11/4/2010 5:56:04 PM</b>	SeqNo: <b>2021077</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.001	0.001						0.00146	26.8	20	R
Barium	ND	0.1						0.0541	0	20	
Cadmium	ND	0.001						0.000235	0	20	
Copper	ND	0.01						0.00180	0	20	
Lead	ND	0.01						0.000769	0	20	
Molybdenum	0.02	0.01						0.0184	5.97	20	
Selenium	ND	0.005						0.00480	0	20	
Uranium	0.0015	0.0003						0.00178	14.9	20	
Vanadium	ND	0.1						0.000901	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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>F_SM4500</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 1:40:00 PM</b>		SeqNo: <b>2032173</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Fluoride	ND	0.1			

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>F_SM4500</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 10:37:00 PM</b>		SeqNo: <b>2032177</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Fluoride	ND	0.1			

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>F_SM4500</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 1:30:19 PM</b>		SeqNo: <b>2021300</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Fluoride	2.9	0.1	2.82		103 86.1 114

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>F_SM4500</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 10:27:14 PM</b>		SeqNo: <b>2021481</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Fluoride	2.9	0.1	2.82		104 86.1 114

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>MB10-316</b>	SampType: <b>MBLK</b>	TestCode: <b>GROSS_ALPHA</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>64979</b>
Client ID:		Batch ID: <b>R64979</b>	Analysis Date: <b>11/14/2010 10:44:00 PM</b>	SeqNo: <b>2031506</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Gross Alpha	ND	2			
Gross Beta	ND	3			

Sample ID: <b>LCS10-316ALPHA</b>	SampType: <b>LCS</b>	TestCode: <b>GROSS_ALPHA</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>64979</b>
Client ID:		Batch ID: <b>R64979</b>	Analysis Date: <b>11/14/2010 10:44:00 PM</b>	SeqNo: <b>2031507</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Gross Alpha	64	2	69		93.3 72.6 137

Sample ID: <b>LCS10-316BETA</b>	SampType: <b>LCS</b>	TestCode: <b>GROSS_ALPHA</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>64979</b>
Client ID:		Batch ID: <b>R64979</b>	Analysis Date: <b>11/14/2010 10:44:00 PM</b>	SeqNo: <b>2031508</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Gross Beta	118	3	130		91.3 82.1 106

Sample ID: <b>S1011101-001FMSA</b>	SampType: <b>MS</b>	TestCode: <b>GROSS_ALPHA</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>64979</b>
Client ID: <b>PZD5</b>		Batch ID: <b>R64979</b>	Analysis Date: <b>11/14/2010 10:44:00 PM</b>	SeqNo: <b>2031515</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Gross Alpha	74	2	69	3.42	102 44.4 137

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>S1011101-001FMSB</b>	SampType: <b>MS</b>	TestCode: <b>GROSS_ALPHA</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>64979</b>						
Client ID: <b>PZD5</b>		Batch ID: <b>R64979</b>	Analysis Date: <b>11/14/2010 10:44:00 PM</b>		SeqNo: <b>2031516</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Beta	127	3	130	6.01	93.8	78.8	111				

Sample ID: <b>S1011101-002FDUP</b>	SampType: <b>DUP</b>	TestCode: <b>GROSS_ALPHA</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>64979</b>						
Client ID: <b>UM5</b>		Batch ID: <b>R64979</b>	Analysis Date: <b>11/14/2010 10:44:00 PM</b>		SeqNo: <b>2037680</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Alpha	3	2						3.30	4.57	0	
Gross Beta	6	3						6.68	11.7	0	

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>MBLK</b>	SampType: <b>MBLK</b>	TestCode: <b>IC_ANIONS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64933</b>
Client ID:	Batch ID: <b>R64933</b>		Analysis Date: <b>11/12/2010</b>		SeqNo: <b>2032192</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chloride	ND	1			
Sulfate	ND	1			

Sample ID: <b>MBLK</b>	SampType: <b>MBLK</b>	TestCode: <b>IC_ANIONS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64704</b>
Client ID:	Batch ID: <b>R64704</b>		Analysis Date: <b>11/5/2010</b>		SeqNo: <b>2032362</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chloride	ND	1			
Sulfate	ND	1			

Sample ID: <b>DIONEX</b>	SampType: <b>LCS</b>	TestCode: <b>IC_ANIONS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64704</b>
Client ID:	Batch ID: <b>R64704</b>		Analysis Date: <b>11/5/2010 8:06:53 AM</b>		SeqNo: <b>2022933</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sulfate	142	1	150		95.0 90 110

Sample ID: <b>DIONEX</b>	SampType: <b>LCS</b>	TestCode: <b>IC_ANIONS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64704</b>
Client ID:	Batch ID: <b>R64704</b>		Analysis Date: <b>11/5/2010 8:17:33 AM</b>		SeqNo: <b>2022934</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chloride	28	1	30		91.6 90 110

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>DIONEX</b>	SampType: <b>LCS</b>	TestCode: <b>IC_ANIONS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64933</b>						
Client ID:		Batch ID: <b>R64933</b>	Analysis Date: <b>11/12/2010 11:00:54 AM</b>	SeqNo: <b>2029666</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	140	1	150		93.6	90	110				

Sample ID: <b>DIONEX</b>	SampType: <b>LCS</b>	TestCode: <b>IC_ANIONS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64933</b>						
Client ID:		Batch ID: <b>R64933</b>	Analysis Date: <b>11/12/2010 11:11:02 AM</b>	SeqNo: <b>2029667</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	28	1	30		92.9	90	110				

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>ICB</b>	SampType: <b>MBLK</b>	TestCode: <b>ICP_CATS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64652</b>						
Client ID:	Batch ID: <b>R64652</b>		Analysis Date: <b>11/4/2010 2:04:22 PM</b>		SeqNo: <b>2021117</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	1									
Magnesium	ND	1									
Potassium	ND	1									
Sodium	ND	1									

Sample ID: <b>ICB</b>	SampType: <b>MBLK</b>	TestCode: <b>ICP_CATS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64911</b>						
Client ID:	Batch ID: <b>R64911</b>		Analysis Date: <b>11/12/2010 3:28:53 PM</b>		SeqNo: <b>2029044</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	1									
Magnesium	ND	1									
Potassium	ND	1									
Sodium	ND	1									

Sample ID: <b>ICV 3</b>	SampType: <b>LCS</b>	TestCode: <b>ICP_CATS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64652</b>						
Client ID:	Batch ID: <b>R64652</b>		Analysis Date: <b>11/4/2010 2:08:58 PM</b>		SeqNo: <b>2021118</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	41	1	40		101	85	115				
Magnesium	41	1	40		102	85	115				
Potassium	41	1	40		102	85	115				
Sodium	42	1	40		105	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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>ICV 3</b>	SampType: <b>LCS</b>	TestCode: <b>ICP_CATS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64911</b>						
Client ID:	Batch ID: <b>R64911</b>		Analysis Date: <b>11/12/2010 3:33:43 PM</b>		SeqNo: <b>2029045</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	39	1	40		98.4	85	115				
Magnesium	39	1	40		96.6	85	115				
Potassium	40	1	40		98.8	85	115				
Sodium	39	1	40		96.4	85	115				

Sample ID: <b>Blank</b>	SampType: <b>mblk</b>	TestCode: <b>NH3_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64967</b>						
Client ID:	Batch ID: <b>R64967</b>		Analysis Date: <b>11/15/2010 12:20:00 PM</b>		SeqNo: <b>2031103</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	ND	0.1									

Sample ID: <b>QC</b>	SampType: <b>lcs</b>	TestCode: <b>NH3_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64967</b>						
Client ID:	Batch ID: <b>R64967</b>		Analysis Date: <b>11/15/2010 12:22:00 PM</b>		SeqNo: <b>2031104</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	15.2	0.1	16		94.5	90	110				

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>blk</b>	SampType: <b>mblk</b>	TestCode: <b>NO2NO3_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64906</b>
Client ID:		Batch ID: <b>R64906</b>	Analysis Date: <b>11/12/2010 10:51:00 AM</b>	SeqNo: <b>2028884</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05			

Sample ID: <b>QC</b>	SampType: <b>ics</b>	TestCode: <b>NO2NO3_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64906</b>
Client ID:		Batch ID: <b>R64906</b>	Analysis Date: <b>11/12/2010 10:53:00 AM</b>	SeqNo: <b>2028885</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Nitrogen, Nitrate-Nitrite (as N)	30.7	0.05	28.7		107 90 110

Sample ID: <b>s1011101-003c</b>	SampType: <b>DUP</b>	TestCode: <b>NO2NO3_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64906</b>
Client ID: <b>PZM5</b>		Batch ID: <b>R64906</b>	Analysis Date: <b>11/12/2010 12:44:00 PM</b>	SeqNo: <b>2028963</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Nitrogen, Nitrate-Nitrite (as N)	ND	0.1			ND 0 20

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>MB-R65284</b>	SampType: <b>MBLK</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>
Client ID:		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 1:47:00 PM</b>	SeqNo: <b>2042387</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead 210 (Dissolved)	ND	1			

Sample ID: <b>MB-R65284</b>	SampType: <b>MBLK</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>
Client ID:		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 1:47:00 PM</b>	SeqNo: <b>2042397</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead 210 (Suspended)	ND	1			

Sample ID: <b>MB-R65284</b>	SampType: <b>MBLK</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>
Client ID:		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 9:38:00 AM</b>	SeqNo: <b>2042441</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Polonium 210 (Dissolved)	ND	1			

Sample ID: <b>MB-R65284</b>	SampType: <b>MBLK</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>
Client ID:		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 9:38:00 AM</b>	SeqNo: <b>2042451</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Polonium 210 (Suspended)	ND	1			

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>LCS-R65284</b>	SampType: <b>LCS</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID:	Batch ID: <b>R65284</b>			Analysis Date: <b>11/19/2010 1:47:00 PM</b>	SeqNo: <b>2042388</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead 210 (Dissolved)	12	1	11.1		105	50	150				
Lead 210 (Suspended)	12	1	11.1		105	50	150				

Sample ID: <b>LCS-R65284</b>	SampType: <b>LCS</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID:	Batch ID: <b>R65284</b>			Analysis Date: <b>11/19/2010 9:38:00 AM</b>	SeqNo: <b>2042442</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Polonium 210 (Dissolved)	17	1	15.1		113	50	150				
Polonium 210 (Suspended)	17	1	15.1		113	50	150				

Sample ID: <b>S1011101-002FMS</b>	SampType: <b>MS</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID: <b>UM5</b>	Batch ID: <b>R65284</b>			Analysis Date: <b>11/19/2010 1:47:00 PM</b>	SeqNo: <b>2042393</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead 210 (Dissolved)	12	1	11.1	0	105	50	150				

Sample ID: <b>S1011101-002FMS</b>	SampType: <b>MS</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID: <b>UM5</b>	Batch ID: <b>R65284</b>			Analysis Date: <b>11/19/2010 4:08:00 PM</b>	SeqNo: <b>2042402</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead 210 (Suspended)	12	1	11.1	1.28	95.3	50	150				

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>S1011101-002FMS</b>	SampType: <b>MS</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID: <b>UM5</b>		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 9:38:00 AM</b>		SeqNo: <b>2042447</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Polonium 210 (Dissolved)	5	1	11.1	0	43.0	50	150				S

Sample ID: <b>S1011101-002FMS</b>	SampType: <b>MS</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID: <b>UM5</b>		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 10:52:00 AM</b>		SeqNo: <b>2042456</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Polonium 210 (Suspended)	18	1	15.1	0	116	50	150				

Sample ID: <b>S1011101-001FDUP</b>	SampType: <b>DUP</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID: <b>PZD5</b>		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 1:47:00 PM</b>		SeqNo: <b>2042391</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead 210 (Dissolved)	ND	1						1.50	0	20	

Sample ID: <b>S1011101-001FDUP</b>	SampType: <b>DUP</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID: <b>PZD5</b>		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 4:08:00 PM</b>		SeqNo: <b>2042400</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead 210 (Suspended)	ND	1						1.30	0	20	

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>S1011101-001FDUP</b>	SampType: <b>DUP</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID: <b>PZD5</b>		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 9:38:00 AM</b>		SeqNo: <b>2042445</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Polonium 210 (Dissolved)	ND	1						ND	0	20	

Sample ID: <b>S1011101-001FDUP</b>	SampType: <b>DUP</b>	TestCode: <b>PB210PO210</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65284</b>						
Client ID: <b>PZD5</b>		Batch ID: <b>R65284</b>	Analysis Date: <b>11/19/2010 10:52:00 AM</b>		SeqNo: <b>2042454</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Polonium 210 (Suspended)	ND	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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>MB10-313</b>	SampType: <b>MBLK</b>	TestCode: <b>R228_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65220</b>
Client ID:		Batch ID: <b>R65220</b>	Analysis Date: <b>11/17/2010 8:15:00 PM</b>		SeqNo: <b>2040261</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium 228 (Dissolved)	ND	1			

Sample ID: <b>MB-R65306</b>	SampType: <b>MBLK</b>	TestCode: <b>R228_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65306</b>
Client ID:		Batch ID: <b>R65306</b>	Analysis Date: <b>11/18/2010 9:00:00 PM</b>		SeqNo: <b>2042858</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium 228 (Dissolved)	1	1			B

Sample ID: <b>LCS10-313</b>	SampType: <b>LCS</b>	TestCode: <b>R228_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65220</b>
Client ID:		Batch ID: <b>R65220</b>	Analysis Date: <b>11/17/2010 8:15:00 PM</b>		SeqNo: <b>2040260</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium 228 (Dissolved)	13	1	14.4		91.3 63.8 119

Sample ID: <b>LCS-R65306</b>	SampType: <b>LCS</b>	TestCode: <b>R228_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65306</b>
Client ID:		Batch ID: <b>R65306</b>	Analysis Date: <b>11/18/2010 9:00:00 PM</b>		SeqNo: <b>2042859</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium 228 (Dissolved)	15	1	14.4		94.7 63.8 119 B

**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	M Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>S1011101-003FMS</b>	SampType: <b>MS</b>	TestCode: <b>R228_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65306</b>						
Client ID: <b>PZM5</b>		Batch ID: <b>R65306</b>	Analysis Date: <b>11/18/2010 9:00:00 PM</b>		SeqNo: <b>2042866</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium 228 (Dissolved)	17	1	14.4	0	117	52.4	145				B

<b>Qualifiers:</b>	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	M	Value exceeds Monthly Ave or MCL
	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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>MB10-312</b>	SampType: <b>MBLK</b>	TestCode: <b>RA226_SM7500</b>	Units: <b>piC/L</b>	Prep Date:	RunNo: <b>65233</b>
Client ID:		Batch ID: <b>R65233</b>	Analysis Date: <b>11/17/2010 10:47:00 AM</b>		SeqNo: <b>2040773</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium 226 (Dissolved)	ND	0.2			

Sample ID: <b>MB10-316</b>	SampType: <b>MBLK</b>	TestCode: <b>RA226_SM7500</b>	Units: <b>piC/L</b>	Prep Date:	RunNo: <b>65241</b>
Client ID:		Batch ID: <b>R65241</b>	Analysis Date: <b>11/18/2010 9:48:01 AM</b>		SeqNo: <b>2041162</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium 226 (Suspended)	ND	0.2			

Sample ID: <b>LCS10-312</b>	SampType: <b>LCS</b>	TestCode: <b>RA226_SM7500</b>	Units: <b>piC/L</b>	Prep Date:	RunNo: <b>65233</b>
Client ID:		Batch ID: <b>R65233</b>	Analysis Date: <b>11/17/2010 10:47:00 AM</b>		SeqNo: <b>2040772</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium 226 (Dissolved)	7.7	0.2	9.52		80.7 69.3 130

Sample ID: <b>LCS10-316</b>	SampType: <b>LCS</b>	TestCode: <b>RA226_SM7500</b>	Units: <b>piC/L</b>	Prep Date:	RunNo: <b>65241</b>
Client ID:		Batch ID: <b>R65241</b>	Analysis Date: <b>11/18/2010 9:48:02 AM</b>		SeqNo: <b>2041163</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Radium 226 (Suspended)	8.2	0.2	9.52		85.7 69.3 130

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>S1011101-001FMS</b>	SampType: <b>MS</b>	TestCode: <b>RA226_SM7500</b>	Units: <b>piC/L</b>	Prep Date:	RunNo: <b>65233</b>						
Client ID: <b>PZD5</b>		Batch ID: <b>R65233</b>	Analysis Date: <b>11/17/2010 10:47:00 AM</b>		SeqNo: <b>2040778</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium 226 (Dissolved)	6.9	0.2	9.52	0.282	69.4	54.6	137				

Sample ID: <b>S1011101-002FDUP</b>	SampType: <b>DUP</b>	TestCode: <b>RA226_SM7500</b>	Units: <b>piC/L</b>	Prep Date:	RunNo: <b>65233</b>						
Client ID: <b>UM5</b>		Batch ID: <b>R65233</b>	Analysis Date: <b>11/17/2010 10:47:00 AM</b>		SeqNo: <b>2040780</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radium 226 (Dissolved)	0.3	0.2						0.234	33.9	20	R

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>MB-R65042</b>	SampType: <b>MBLK</b>	TestCode: <b>RAD_TH230_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65042</b>
Client ID:		Batch ID: <b>R65042</b>	Analysis Date: <b>11/16/2010 11:49:00 AM</b>	SeqNo: <b>2033029</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Thorium 230 (Dissolved)	ND	0.2			

Sample ID: <b>MB-R65242</b>	SampType: <b>MBLK</b>	TestCode: <b>RAD_TH230_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65242</b>
Client ID:		Batch ID: <b>R65242</b>	Analysis Date: <b>11/22/2010 6:28:00 PM</b>	SeqNo: <b>2041139</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Thorium 230 (Suspended)	± 0.037946356	0.2			

Sample ID: <b>LCS-R65042</b>	SampType: <b>LCS</b>	TestCode: <b>RAD_TH230_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65042</b>
Client ID:		Batch ID: <b>R65042</b>	Analysis Date: <b>11/16/2010 11:49:00 AM</b>	SeqNo: <b>2033030</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Thorium 230 (Dissolved)	14	0.2	12		114 50 150

Sample ID: <b>LCS-R65242</b>	SampType: <b>LCS</b>	TestCode: <b>RAD_TH230_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65242</b>
Client ID:		Batch ID: <b>R65242</b>	Analysis Date: <b>11/22/2010 6:28:00 PM</b>	SeqNo: <b>2041140</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Thorium 230 (Suspended)	12.14 ± 3.0	0.2	12		97.1 50 150

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>S1011101-001FDUP</b>	SampType: <b>DUP</b>	TestCode: <b>RAD_TH230_W</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65242</b>						
Client ID: <b>PZD5</b>		Batch ID: <b>R65242</b>	Analysis Date: <b>11/22/2010 6:28:00 PM</b>		SeqNo: <b>2041155</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 230 (Suspended)	0.5	0.2						0.28	91.5	20	R

Sample ID: <b>MB-R65562</b>	SampType: <b>MBLK</b>	TestCode: <b>RADON_222</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65562</b>						
Client ID:		Batch ID: <b>R65562</b>	Analysis Date: <b>11/3/2010</b>		SeqNo: <b>2050850</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radon-222	ND	50									L

Sample ID: <b>LCS-R65562</b>	SampType: <b>LCS</b>	TestCode: <b>RADON_222</b>	Units: <b>pCi/L</b>	Prep Date:	RunNo: <b>65562</b>						
Client ID:		Batch ID: <b>R65562</b>	Analysis Date: <b>11/3/2010</b>		SeqNo: <b>2050851</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Radon-222	22100	100	22500		98.1	75	125				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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>ICB</b>	SampType: <b>MBLK</b>	TestCode: <b>SI02_WATER</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64654</b>
Client ID:		Batch ID: <b>R64654</b>	Analysis Date: <b>11/4/2010 2:04:22 PM</b>		SeqNo: <b>2021213</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Silica as SiO2	ND	0.1			

Sample ID: <b>ICV Q</b>	SampType: <b>LCS</b>	TestCode: <b>SI02_WATER</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64654</b>
Client ID:		Batch ID: <b>R64654</b>	Analysis Date: <b>11/4/2010 2:06:40 PM</b>		SeqNo: <b>2021214</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Silica as SiO2	2.1	0.1	2.14		98.6 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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>Air</b>	SampType: <b>MBLK</b>	TestCode: <b>SOLIDS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64752</b>
Client ID:		Batch ID: <b>R64752</b>	Analysis Date: <b>11/5/2010 11:16:00 AM</b>		SeqNo: <b>2023955</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids (180)	ND	10			

Sample ID: <b>Air</b>	SampType: <b>MBLK</b>	TestCode: <b>SOLIDS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64752</b>
Client ID:		Batch ID: <b>R64752</b>	Analysis Date: <b>11/5/2010 11:21:00 AM</b>		SeqNo: <b>2023956</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids (180)	ND	10			

Sample ID: <b>DI</b>	SampType: <b>MBLK</b>	TestCode: <b>SOLIDS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64752</b>
Client ID:		Batch ID: <b>R64752</b>	Analysis Date: <b>11/5/2010 11:26:00 AM</b>		SeqNo: <b>2023957</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids (180)	ND	10			

Sample ID: <b>Control</b>	SampType: <b>LCS</b>	TestCode: <b>SOLIDS</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64752</b>
Client ID:		Batch ID: <b>R64752</b>	Analysis Date: <b>11/5/2010 11:31:00 AM</b>		SeqNo: <b>2023958</b>
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids (180)	220	10	226		98.2 90 110

**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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>BLK 11/5 TOT -4627</b>	SampType: <b>MBLK</b>	TestCode: <b>TOT200.2_ICP_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64701</b>						
Client ID:		Batch ID: <b>R64701</b>	Analysis Date: <b>11/7/2010 12:14:37 PM</b>		SeqNo: <b>2022803</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	ND	0.05									
Manganese	ND	0.02									

Sample ID: <b>LCS 11/5 TOT -4627</b>	SampType: <b>LCS</b>	TestCode: <b>TOT200.2_ICP_W</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64701</b>						
Client ID:		Batch ID: <b>R64701</b>	Analysis Date: <b>11/7/2010 12:16:56 PM</b>		SeqNo: <b>2022804</b>						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	0.50	0.05	0.5		99.1	85	115				
Manganese	0.19	0.02	0.2		96.7	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	M	Value exceeds Monthly Ave or MCL
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

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>Init Cal Blank</b>	SampType: <b>MBLK</b>	TestCode: <b>URANIUM_SUSPENED</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64782</b>
Client ID:		Batch ID: <b>R64782</b>	Analysis Date: <b>11/9/2010 1:14:51 PM</b>	SeqNo: <b>2024990</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Uranium Suspended	ND	0.001			

Sample ID: <b>lcs</b>	SampType: <b>LCS</b>	TestCode: <b>URANIUM_SUSPENED</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64782</b>
Client ID:		Batch ID: <b>R64782</b>	Analysis Date: <b>11/9/2010 1:22:03 PM</b>	SeqNo: <b>2024991</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Uranium Suspended	0.099	0.001	0.1		99.0 90 110

Sample ID: <b>S1011101-001Gs</b>	SampType: <b>MS</b>	TestCode: <b>URANIUM_SUSPENED</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64782</b>
Client ID: <b>PZD5</b>		Batch ID: <b>R64782</b>	Analysis Date: <b>11/9/2010 2:17:33 PM</b>	SeqNo: <b>2024994</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Uranium Suspended	1.04	0.001	1.1	0	94.3 70 130

Sample ID: <b>S1011101-001G</b>	SampType: <b>DUP</b>	TestCode: <b>URANIUM_SUSPENED</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>64782</b>
Client ID: <b>PZD5</b>		Batch ID: <b>R64782</b>	Analysis Date: <b>11/9/2010 2:13:57 PM</b>	SeqNo: <b>2024993</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Uranium Suspended	ND	0.0003			ND 0 0

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



### ANALYTICAL QC SUMMARY REPORT

Date: 12/7/2010

**CLIENT:** AUC LLC  
**Work Order:** S1011101  
**Project:** Reno Creek Project

**Report ID:** S1011101002  
(Replaces S1011101001)

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>WATER_PH</b>	Units: <b>s.u.</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 1:40:00 PM</b>	SeqNo: <b>2032174</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
pH	6.1	0.1			

Sample ID: <b>BLANK</b>	SampType: <b>MBLK</b>	TestCode: <b>WATER_PH</b>	Units: <b>s.u.</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 10:37:00 PM</b>	SeqNo: <b>2032178</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
pH	6.2	0.1			

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>WATER_PH</b>	Units: <b>s.u.</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 1:30:19 PM</b>	SeqNo: <b>2021301</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
pH	10.9	0.1	10.7		102 94.8 105

Sample ID: <b>ATQC</b>	SampType: <b>LCS</b>	TestCode: <b>WATER_PH</b>	Units: <b>s.u.</b>	Prep Date:	RunNo: <b>64658</b>
Client ID:		Batch ID: <b>R64658</b>	Analysis Date: <b>11/4/2010 10:27:14 PM</b>	SeqNo: <b>2021482</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
pH	10.5	0.1	10.7		98.3 94.8 105

**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	M	Value exceeds Monthly Ave or MCL
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				



**Inter-Mountain Labs, Inc.**  
**Sheridan, WY and Gillette, WY**

**- CHAIN OF CUSTODY RECORD -**

All shaded fields must be completed.  
 This is a legal document; any misrepresentation may be construed as fraud.

# **WEB**

Telephone #

204

Client Name		AUC, LLC		Project Identification		Reno Creek Project		Sampler (Signature/Attestation of Authenticity)		Analyses / Parameters			
Report Address		pcavendor@bayswateruranium.com		Contact Name and Email		Jim Shriver jshriver@treccorp.com		Date		11/4/10			
Invoice Address		AUC, LLC		Voice		307-265-0696		FAX		307-265-2498			
951 Werner Court Suite 395		Casper Wyoming 82601		Purchase Order #		Quote #		Matrix		# of Containers			
jshriver@treccorp.com		thickerson@treccorp.com		SAMPLE IDENTIFICATION		DATE SAMPLED		TIME		REMARKS			
1		S101101-11/2		9:30		P2D5		W		10			
2		002		11/2		11:45		UMS		W			
3		002		11/2		8:30		P2M5		W			
4		002		11/2		P2M5		W		10			
5		002		11/2		P2M5		W		10			
6		002		11/2		P2M5		W		10			
7		002		11/2		P2M5		W		10			
8		002		11/2		P2M5		W		10			
9		002		11/2		P2M5		W		10			
10		002		11/2		P2M5		W		10			
11		002		11/2		P2M5		W		10			
12		002		11/2		P2M5		W		10			
13		002		11/2		P2M5		W		10			
14		002		11/2		P2M5		W		10			
LAB COMMENTS		Relinquished By (Signature/Printed)		DATE		TIME		Received By (Signature/Printed)		DATE			
S. J. K. 4.3		Jim Thickerson		11/2		11:00		Shuebel's Press		11/4/10			
SHIPPING INFO		MATRIX CODES		TURN AROUND TIMES		COMPLIANCE INFORMATION		ADDITIONAL REMARKS					
<input type="checkbox"/> UPS <input type="checkbox"/> Fed Express <input type="checkbox"/> US Mail <input type="checkbox"/> Hand Carried <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Solid <input type="checkbox"/> Trip Blank <input type="checkbox"/> Other		<input type="checkbox"/> WT <input type="checkbox"/> SL <input type="checkbox"/> SD <input type="checkbox"/> TB <input type="checkbox"/> OT		<input checked="" type="checkbox"/> Check desired service <input type="checkbox"/> Standard turnaround <input type="checkbox"/> RUSH - 5 Working Days <input type="checkbox"/> URGENT - < 2 Working Days Rush & Urgent Surcharges will be applied		<input type="checkbox"/> Compliance Monitoring? Program (SDWA, NPDES, ...) PWSID / Permit # <input type="checkbox"/> Chlorinated? Sample Disposal: Lab		<input type="checkbox"/> Y / N <input type="checkbox"/> Y / N <input type="checkbox"/> Y / N			