



Tuesday, March 15, 2011

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

RE: Reno Creek Project

Order No.: S1012322

Dear Phil Cavendor:

Inter-Mountain Laboratories received samples PZM8, and PZM9 on December 22, 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: 3/15/2011

**CLIENT:** AUC LLC  
**Project:** Reno Creek Project  
**Lab Order:** S1012322

**CASE NARRATIVE**  
**Report ID:** S1012322002  
(Replaces S1012322001)

Samples PZM8, and PZM9 were received on December 22, 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

S1012322-001 - General Parameters/Radon-222 - Analyzed by a contract laboratory  
S1012322-002 - General Parameters/Radon-222 - Analyzed by a contract laboratory

Qualifiers by sample

S1012322-002 - Radiochemistry - Soil/Polonium 210 (Suspended) - RPD outside accepted recovery limits  
S1012322-001 - Radiochemistry - Soil/Thorium 230 (Dissolved) - RPD outside accepted recovery limits  
LCS-R66804 - General Parameters/Radon-222 - Analyzed by a contract laboratory  
MB-R66804 - General Parameters/Radon-222 - Analyzed by a contract laboratory

Reviewed by:

Lacey Ketron, Water Lab Supervisor



### Sample Analysis Report

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

**Date Reported:** 3/15/2011  
**Report ID:** S1012322002  
(Replaces S1012322001)

**Project:** Reno Creek Project  
**Lab ID:** S1012322-001  
**Client Sample ID:** PZM9  
**COC:** 8003

**Work Order:** S1012322  
**Collection Date:** 12/20/2010 11:45:00 AM  
**Date Received:** 12/22/2010 10:37:00 AM  
**Sampler:** TN  
**Matrix:** Water

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

| Field                                |        |  |  |          |                 |       |
|--------------------------------------|--------|--|--|----------|-----------------|-------|
| pH Reading 1                         | 11.48  |  |  | s.u.     | 12/20/2010 1145 | Field |
| pH Reading 2                         | 11.48  |  |  | s.u.     | 12/20/2010 1145 | Field |
| pH Reading 3                         | 11.45  |  |  | s.u.     | 12/20/2010 1145 | Field |
| Conductivity Reading 1               | 1228   |  |  | µmhos/cm | 12/20/2010 1145 | Field |
| Conductivity Reading 2               | 1223   |  |  | µmhos/cm | 12/20/2010 1145 | Field |
| Conductivity Reading 3               | 1220   |  |  | µmhos/cm | 12/20/2010 1145 | Field |
| Turbidity Reading 1                  | 2.71   |  |  | NTU      | 12/20/2010 1145 | Field |
| Turbidity Reading 2                  | 2.29   |  |  | NTU      | 12/20/2010 1145 | Field |
| Turbidity Reading 3                  | 2.86   |  |  | NTU      | 12/20/2010 1145 | Field |
| Dissolved Oxygen Reading 1           | 0.38   |  |  | mg/l     | 12/20/2010 1145 | Field |
| Dissolved Oxygen Reading 2           | 0.32   |  |  | mg/l     | 12/20/2010 1145 | Field |
| Dissolved Oxygen Reading 3           | 0.35   |  |  | mg/l     | 12/20/2010 1145 | Field |
| Temperature Reading 1                | 6.03   |  |  | °C       | 12/20/2010 1145 | Field |
| Temperature Reading 2                | 5.96   |  |  | °C       | 12/20/2010 1145 | Field |
| Temperature Reading 3                | 5.93   |  |  | °C       | 12/20/2010 1145 | Field |
| Oxygen Reduction Potential Reading 1 | 5.1    |  |  | mV       | 12/20/2010 1145 | Field |
| Oxygen Reduction Potential Reading 2 | 2.3    |  |  | mV       | 12/20/2010 1145 | Field |
| Oxygen Reduction Potential Reading 3 | 0.4    |  |  | mV       | 12/20/2010 1145 | Field |
| Purge Rate Reading 1                 | 350    |  |  | ml/min   | 12/20/2010 1145 | Field |
| Purge Rate Reading 2                 | 350    |  |  | ml/min   | 12/20/2010 1145 | Field |
| Purge Rate Reading 3                 | 350    |  |  | ml/min   | 12/20/2010 1145 | Field |
| Water Level Reading 1                | 291.68 |  |  | Ft       | 12/20/2010 1145 | Field |
| Water Level Reading 2                | 291.68 |  |  | Ft       | 12/20/2010 1145 | Field |
| Water Level Reading 3                | 291.68 |  |  | Ft       | 12/20/2010 1145 | Field |

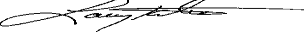
| General Parameters             |              |     |   |          |                     |             |
|--------------------------------|--------------|-----|---|----------|---------------------|-------------|
| pH                             | 10.7         | 0.1 |   | s.u.     | 12/22/2010 1603 KO  | SM 4500 H B |
| Electrical Conductivity        | 1720         | 5   |   | µmhos/cm | 12/22/2010 1603 KO  | SM 2510B    |
| Total Dissolved Solids (180)   | 1340         | 10  |   | mg/L     | 12/22/2010 1740 JF  | SM 2540     |
| Solids, Total Dissolved (Calc) | 1210         | 10  |   | mg/L     | 01/05/2011 1406 LJK | SM 1030E    |
| Alkalinity, Total (As CaCO3)   | 80           | 5   |   | mg/L     | 12/28/2010 1443 AMB | SM 2320B    |
| Nitrogen, Ammonia (As N)       | 0.3          | 0.1 |   | mg/L     | 12/30/2010 1406 AS  | EPA 350.1   |
| Radon-222                      | 32800 ± 3800 | 50  | L | pCi/L    | 12/22/2010 000 LJK  | SM7500-RN   |
| Silica as SiO2                 | 4            | 1   |   | mg/L     | 12/22/2010 1421 RS  | EPA 200.7   |

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

**RL - Reporting Limit**

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

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

Reviewed by:   
Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

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

Date Reported: 3/15/2011
Report ID: S1012322002
(Replaces S1012322001)

Project: Reno Creek Project
Lab ID: S1012322-001
Client Sample ID: PZM9
COC: 8003

Work Order: S1012322
Collection Date: 12/20/2010 11:45:00 AM
Date Received: 12/22/2010 10:37:00 AM
Sampler: TN
Matrix: Water

Table with 7 columns: Analyses, Result, RL, Qual, Units, Date Analyzed/Init, Method. Rows include Anions (Alkalinity, Chloride, etc.), Cations (Calcium, Magnesium, etc.), Cation / Anion Balance, and Radiochemistry (Gross Alpha, Lead 210, etc.).

These results apply only to the samples tested.

RL - Reporting Limit

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

- B Analyte detected in the associated Method Blank, 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

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

**Date Reported:** 3/15/2011  
**Report ID:** S1012322002  
(Replaces S1012322001)

**Project:** Reno Creek Project  
**Lab ID:** S1012322-001  
**Client Sample ID:** PZM9  
**COC:** 8003

**Work Order:** S1012322  
**Collection Date:** 12/20/2010 11:45:00 AM  
**Date Received:** 12/22/2010 10:37:00 AM  
**Sampler:** TN  
**Matrix:** Water

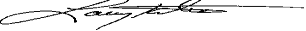
| Analyses                | Result | RL     | Qual | Units | Date Analyzed/Init | Method    |
|-------------------------|--------|--------|------|-------|--------------------|-----------|
| <b>Dissolved Metals</b> |        |        |      |       |                    |           |
| Aluminum                | ND     | 0.1    |      | mg/L  | 12/22/2010 1421 RS | EPA 200.7 |
| Arsenic                 | ND     | 0.001  |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Barium                  | ND     | 0.1    |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Boron                   | ND     | 0.1    |      | mg/L  | 12/22/2010 1421 RS | EPA 200.7 |
| Cadmium                 | ND     | 0.001  |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Chromium                | ND     | 0.01   |      | mg/L  | 12/22/2010 1421 RS | EPA 200.7 |
| Copper                  | 0.02   | 0.01   |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Iron                    | ND     | 0.05   |      | mg/L  | 12/22/2010 1421 RS | EPA 200.7 |
| Lead                    | ND     | 0.01   |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Manganese               | ND     | 0.01   |      | mg/L  | 12/22/2010 1421 RS | EPA 200.7 |
| Mercury                 | ND     | 0.001  |      | mg/L  | 12/28/2010 843 BK  | EPA 245.1 |
| Molybdenum              | 0.01   | 0.01   |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Nickel                  | ND     | 0.05   |      | mg/L  | 12/22/2010 1421 RS | EPA 200.7 |
| Selenium                | ND     | 0.005  |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Uranium                 | 0.0030 | 0.0003 |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Vanadium                | ND     | 0.1    |      | mg/L  | 12/22/2010 1347 MS | EPA 200.8 |
| Zinc                    | ND     | 0.01   |      | mg/L  | 12/22/2010 1421 RS | EPA 200.7 |
| <b>Total Metals</b>     |        |        |      |       |                    |           |
| Iron                    | 0.06   | 0.05   |      | mg/L  | 12/23/2010 1622 RS | EPA 200.7 |
| Manganese               | ND     | 0.01   |      | mg/L  | 12/23/2010 1622 RS | EPA 200.7 |

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  - ND Not Detected at the Reporting Limit
  - S Spike Recovery outside accepted recovery limits

**RL - Reporting Limit**

- 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

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

**Date Reported:** 3/15/2011  
**Report ID:** S1012322002  
(Replaces S1012322001)

**Project:** Reno Creek Project  
**Lab ID:** S1012322-002  
**Client Sample ID:** PZM8  
**COC:** 8003

**Work Order:** S1012322  
**Collection Date:** 12/20/2010 2:30:00 PM  
**Date Received:** 12/22/2010 10:37:00 AM  
**Sampler:** TN  
**Matrix:** Water

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

| Field                                |        |  |  |          |                 |       |
|--------------------------------------|--------|--|--|----------|-----------------|-------|
| pH Reading 1                         | 8.32   |  |  | s.u.     | 12/20/2010 1430 | Field |
| pH Reading 2                         | 8.31   |  |  | s.u.     | 12/20/2010 1430 | Field |
| pH Reading 3                         | 8.31   |  |  | s.u.     | 12/20/2010 1430 | Field |
| Conductivity Reading 1               | 1175   |  |  | µmhos/cm | 12/20/2010 1430 | Field |
| Conductivity Reading 2               | 1171   |  |  | µmhos/cm | 12/20/2010 1430 | Field |
| Conductivity Reading 3               | 1171   |  |  | µmhos/cm | 12/20/2010 1430 | Field |
| Turbidity Reading 1                  | 0.81   |  |  | NTU      | 12/20/2010 1430 | Field |
| Turbidity Reading 2                  | 0.95   |  |  | NTU      | 12/20/2010 1430 | Field |
| Turbidity Reading 3                  | 0.68   |  |  | NTU      | 12/20/2010 1430 | Field |
| Dissolved Oxygen Reading 1           | 2.32   |  |  | mg/l     | 12/20/2010 1430 | Field |
| Dissolved Oxygen Reading 2           | 2.04   |  |  | mg/l     | 12/20/2010 1430 | Field |
| Dissolved Oxygen Reading 3           | 1.98   |  |  | mg/l     | 12/20/2010 1430 | Field |
| Temperature Reading 1                | 4.96   |  |  | °C       | 12/20/2010 1430 | Field |
| Temperature Reading 2                | 4.85   |  |  | °C       | 12/20/2010 1430 | Field |
| Temperature Reading 3                | 4.87   |  |  | °C       | 12/20/2010 1430 | Field |
| Oxygen Reduction Potential Reading 1 | -115.4 |  |  | mV       | 12/20/2010 1430 | Field |
| Oxygen Reduction Potential Reading 2 | -123.1 |  |  | mV       | 12/20/2010 1430 | Field |
| Oxygen Reduction Potential Reading 3 | -124.0 |  |  | mV       | 12/20/2010 1430 | Field |
| Purge Rate Reading 1                 | 400    |  |  | ml/min   | 12/20/2010 1430 | Field |
| Purge Rate Reading 2                 | 400    |  |  | ml/min   | 12/20/2010 1430 | Field |
| Purge Rate Reading 3                 | 400    |  |  | ml/min   | 12/20/2010 1430 | Field |
| Water Level Reading 1                | 287.66 |  |  | Ft       | 12/20/2010 1430 | Field |
| Water Level Reading 2                | 287.66 |  |  | Ft       | 12/20/2010 1430 | Field |
| Water Level Reading 3                | 287.65 |  |  | Ft       | 12/20/2010 1430 | Field |

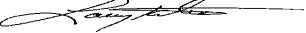
| General Parameters             |              |     |   |          |                     |             |
|--------------------------------|--------------|-----|---|----------|---------------------|-------------|
| pH                             | 8.1          | 0.1 |   | s.u.     | 12/22/2010 1612 KO  | SM 4500 H B |
| Electrical Conductivity        | 1780         | 5   |   | µmhos/cm | 12/22/2010 1612 KO  | SM 2510B    |
| Total Dissolved Solids (180)   | 1430         | 10  |   | mg/L     | 12/22/2010 1745 JF  | SM 2540     |
| Solids, Total Dissolved (Calc) | 1310         | 10  |   | mg/L     | 01/05/2011 1406 LJK | SM 1030E    |
| Alkalinity, Total (As CaCO3)   | 75           | 5   |   | mg/L     | 12/28/2010 1454 AMB | SM 2320B    |
| Nitrogen, Ammonia (As N)       | ND           | 0.1 |   | mg/L     | 12/30/2010 1413 AS  | EPA 350.1   |
| Radon-222                      | 38600 ± 4400 | 50  | L | pCi/L    | 12/22/2010 000 LJK  | SM7500-RN   |
| Silica as SiO2                 | 10           | 1   |   | mg/L     | 12/22/2010 1423 RS  | EPA 200.7   |

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

**RL - Reporting Limit**

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Reviewed by:   
Lacey Ketron, Water Lab Supervisor



Sample Analysis Report

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

Date Reported: 3/15/2011
Report ID: S1012322002
(Replaces S1012322001)

Project: Reno Creek Project
Lab ID: S1012322-002
Client Sample ID: PZM8
COC: 8003

Work Order: S1012322
Collection Date: 12/20/2010 2:30:00 PM
Date Received: 12/22/2010 10:37:00 AM
Sampler: TN
Matrix: Water

Table with 7 columns: Analyses, Result, RL, Qual, Units, Date Analyzed/Init, Method. Rows include Anions (Alkalinity, Chloride, etc.), Cations (Calcium, Magnesium, etc.), Cation / Anion Balance, and Radiochemistry (Gross Alpha, Lead 210, etc.).

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



### Sample Analysis Report

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

**Date Reported:** 3/15/2011  
**Report ID:** S1012322002  
(Replaces S1012322001)

**Project:** Reno Creek Project  
**Lab ID:** S1012322-002  
**Client Sample ID:** PZM8  
**COC:** 8003

**Work Order:** S1012322  
**Collection Date:** 12/20/2010 2:30:00 PM  
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**Matrix:** Water

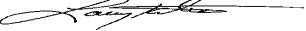
| Analyses                | Result | RL     | Qual | Units | Date Analyzed/Init | Method    |
|-------------------------|--------|--------|------|-------|--------------------|-----------|
| <b>Dissolved Metals</b> |        |        |      |       |                    |           |
| Aluminum                | ND     | 0.1    |      | mg/L  | 12/22/2010 1423 RS | EPA 200.7 |
| Arsenic                 | 0.008  | 0.001  |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Barium                  | ND     | 0.1    |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Boron                   | ND     | 0.1    |      | mg/L  | 12/22/2010 1423 RS | EPA 200.7 |
| Cadmium                 | ND     | 0.001  |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Chromium                | ND     | 0.01   |      | mg/L  | 12/22/2010 1423 RS | EPA 200.7 |
| Copper                  | ND     | 0.01   |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Iron                    | 0.16   | 0.05   |      | mg/L  | 12/22/2010 1423 RS | EPA 200.7 |
| Lead                    | ND     | 0.01   |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Manganese               | 0.11   | 0.01   |      | mg/L  | 12/22/2010 1423 RS | EPA 200.7 |
| Mercury                 | ND     | 0.001  |      | mg/L  | 12/28/2010 850 BK  | EPA 245.1 |
| Molybdenum              | 0.09   | 0.01   |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Nickel                  | ND     | 0.05   |      | mg/L  | 12/22/2010 1423 RS | EPA 200.7 |
| Selenium                | ND     | 0.005  |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Uranium                 | 0.0664 | 0.0003 |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Vanadium                | ND     | 0.1    |      | mg/L  | 12/22/2010 1350 MS | EPA 200.8 |
| Zinc                    | ND     | 0.01   |      | mg/L  | 12/22/2010 1423 RS | EPA 200.7 |
| <b>Total Metals</b>     |        |        |      |       |                    |           |
| Iron                    | 0.18   | 0.05   |      | mg/L  | 12/23/2010 1631 RS | EPA 200.7 |
| Manganese               | 0.11   | 0.01   |      | mg/L  | 12/23/2010 1631 RS | EPA 200.7 |

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**RL - Reporting Limit**

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
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Reviewed by:   
Lacey Ketron, Water Lab Supervisor



**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011**Report ID:** S1012322002Test: **Alkalinity**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|       |                |                              |    |   |  |  |  |  |  |
|-------|----------------|------------------------------|----|---|--|--|--|--|--|
| BLANK | 12/28/10 10:03 | Alkalinity, Total (As CaCO3) | ND | 5 |  |  |  |  |  |
|-------|----------------|------------------------------|----|---|--|--|--|--|--|

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|       |                |                              |    |   |  |  |  |  |  |
|-------|----------------|------------------------------|----|---|--|--|--|--|--|
| BLANK | 12/28/10 16:57 | Alkalinity, Total (As CaCO3) | ND | 5 |  |  |  |  |  |
|-------|----------------|------------------------------|----|---|--|--|--|--|--|

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|       |                |                              |    |   |  |  |  |  |  |
|-------|----------------|------------------------------|----|---|--|--|--|--|--|
| BLANK | 12/28/10 23:34 | Alkalinity, Total (As CaCO3) | ND | 5 |  |  |  |  |  |
|-------|----------------|------------------------------|----|---|--|--|--|--|--|

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

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|      |               |                              |     |   |     |  |     |            |  |
|------|---------------|------------------------------|-----|---|-----|--|-----|------------|--|
| ATQC | 12/28/10 9:52 | Alkalinity, Total (As CaCO3) | 477 | 5 | 473 |  | 101 | 96.6 - 103 |  |
|------|---------------|------------------------------|-----|---|-----|--|-----|------------|--|

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|      |                |                              |     |   |     |  |     |            |  |
|------|----------------|------------------------------|-----|---|-----|--|-----|------------|--|
| ATQC | 12/28/10 16:48 | Alkalinity, Total (As CaCO3) | 483 | 5 | 473 |  | 102 | 96.6 - 103 |  |
|------|----------------|------------------------------|-----|---|-----|--|-----|------------|--|

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|      |                |                              |     |   |     |  |     |            |  |
|------|----------------|------------------------------|-----|---|-----|--|-----|------------|--|
| ATQC | 12/28/10 23:25 | Alkalinity, Total (As CaCO3) | 487 | 5 | 473 |  | 103 | 96.6 - 103 |  |
|------|----------------|------------------------------|-----|---|-----|--|-----|------------|--|

Test: **Conductivity**Sample Type **MBLK** Units: µmhos/cm

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|       |                |                         |    |   |  |  |  |  |  |
|-------|----------------|-------------------------|----|---|--|--|--|--|--|
| BLANK | 12/22/10 13:08 | Electrical Conductivity | ND | 5 |  |  |  |  |  |
|-------|----------------|-------------------------|----|---|--|--|--|--|--|

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|       |                |                         |    |   |  |  |  |  |  |
|-------|----------------|-------------------------|----|---|--|--|--|--|--|
| BLANK | 12/22/10 20:31 | Electrical Conductivity | ND | 5 |  |  |  |  |  |
|-------|----------------|-------------------------|----|---|--|--|--|--|--|

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|       |                |                         |    |   |  |  |  |  |  |
|-------|----------------|-------------------------|----|---|--|--|--|--|--|
| BLANK | 12/28/10 10:03 | Electrical Conductivity | ND | 5 |  |  |  |  |  |
|-------|----------------|-------------------------|----|---|--|--|--|--|--|

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|       |                |                         |    |   |  |  |  |  |  |
|-------|----------------|-------------------------|----|---|--|--|--|--|--|
| BLANK | 12/28/10 23:34 | Electrical Conductivity | ND | 5 |  |  |  |  |  |
|-------|----------------|-------------------------|----|---|--|--|--|--|--|

Sample Type **LCS** Units: µmhos/cm

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|      |                |                         |     |   |      |  |      |          |  |
|------|----------------|-------------------------|-----|---|------|--|------|----------|--|
| ATQC | 12/22/10 12:58 | Electrical Conductivity | 990 | 5 | 1000 |  | 99.0 | 90 - 110 |  |
|------|----------------|-------------------------|-----|---|------|--|------|----------|--|

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

|      |                |                         |     |   |      |  |      |          |  |
|------|----------------|-------------------------|-----|---|------|--|------|----------|--|
| ATQC | 12/22/10 20:24 | Electrical Conductivity | 979 | 5 | 1000 |  | 97.9 | 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

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011  
**Report ID:** S1012322002

Test: **Conductivity**

Sample Type **LCS** Units:  $\mu$ mhos/cm

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

ATQC 12/28/10 9:52 Electrical Conductivity 982 5 1000 98.2 90 - 110

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

ATQC 12/28/10 23:25 Electrical Conductivity 961 5 1000 96.1 90 - 110

Sample Type **DUP** Units:  $\mu$ mhos/cm

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|

S1012322-002B 12/22/10 16:22 Electrical Conductivity 1780 5 1780 0.507 20

Test: **Dissolved Mercury by EPA 245.1 - Water**

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

| Sample ID | RunNo: 66165 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

LRB 12/28/10 8:41 Mercury ND 0.001

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

| Sample ID | RunNo: 66165 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

LCS 12/28/10 8:40 Mercury 0.002 0.001 0.002 98.5 85 - 115

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

| Sample ID | RunNo: 66165 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

S1012322-001D 12/28/10 8:47 Mercury 0.002 0.001 0.002 ND 116 70 - 130

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

| Sample ID | RunNo: 66165 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|

S1012322-001D 12/28/10 8:45 Mercury ND 0.001 ND 0 20

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

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

| Sample ID | RunNo: 66080 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

ICB 12/22/10 14:00 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

- Qualifiers:**
- 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
  - R RPD outside accepted recovery limits
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - O Outside the Range of Dilutions
  - S Spike Recovery outside accepted recovery limits



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011

**Report ID:** S1012322002

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

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

| Sample ID | RunNo: 66080   | Analyte   | Result | RL   | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-----------|--------|------|-------|----------|------|--------------|------|
| ICV Q     | 12/22/10 14:03 | Aluminum  | 1.0    | 0.1  | 1     |          | 98.8 | 85 - 115     |      |
|           |                | Boron     | 0.99   | 0.03 | 1     |          | 96.4 | 85 - 115     |      |
|           |                | Chromium  | 1.01   | 0.01 | 1     |          | 101  | 85 - 115     |      |
|           |                | Iron      | 1.04   | 0.05 | 1     |          | 104  | 85 - 115     |      |
|           |                | Manganese | 1.03   | 0.02 | 1     |          | 103  | 85 - 115     |      |
|           |                | Nickel    | 1.04   | 0.01 | 1     |          | 104  | 85 - 115     |      |
|           |                | Zinc      | 1.04   | 0.01 | 1     |          | 104  | 85 - 115     |      |

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

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

| Sample ID      | RunNo: 66067   | Analyte    | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|------------|--------|-------|-------|----------|------|--------------|------|
| Init Cal Blank | 12/22/10 12:42 | Arsenic    | ND     | 0.005 |       |          |      |              |      |
|                |                | Barium     | ND     | 0.5   |       |          |      |              |      |
|                |                | Cadmium    | ND     | 0.002 |       |          |      |              |      |
|                |                | Copper     | ND     | 0.01  |       |          |      |              |      |
|                |                | Lead       | ND     | 0.02  |       |          |      |              |      |
|                |                | Molybdenum | ND     | 0.02  |       |          |      |              |      |
|                |                | Selenium   | ND     | 0.005 |       |          |      |              |      |
|                |                | Uranium    | ND     | 0.001 |       |          |      |              |      |
|                |                | Vanadium   | ND     | 0.02  |       |          |      |              |      |

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

| Sample ID | RunNo: 66067   | Analyte    | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------|--------|-------|-------|----------|------|--------------|------|
| lcs       | 12/22/10 12:49 | Arsenic    | 0.099  | 0.005 | 0.1   |          | 99.4 | 85 - 115     |      |
|           |                | Barium     | ND     | 0.5   | 0.1   |          | 101  | 85 - 115     |      |
|           |                | Cadmium    | 0.101  | 0.002 | 0.1   |          | 101  | 85 - 115     |      |
|           |                | Copper     | 0.10   | 0.01  | 0.1   |          | 99.5 | 85 - 115     |      |
|           |                | Lead       | 0.10   | 0.02  | 0.1   |          | 97.1 | 85 - 115     |      |
|           |                | Molybdenum | 0.10   | 0.02  | 0.1   |          | 98.6 | 85 - 115     |      |
|           |                | Selenium   | 0.099  | 0.005 | 0.1   |          | 99.1 | 85 - 115     |      |
|           |                | Uranium    | 0.102  | 0.001 | 0.1   |          | 102  | 85 - 115     |      |
|           |                | Vanadium   | 0.10   | 0.02  | 0.1   |          | 103  | 85 - 115     |      |

- Qualifiers:**
- 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
  - R RPD outside accepted recovery limits
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - O Outside the Range of Dilutions
  - S Spike Recovery outside accepted recovery limits



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011

**Report ID:** S1012322002

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

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

| Sample ID      | RunNo: 66067   | Analyte    | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|------------|--------|-------|-------|----------|------|--------------|------|
| S1012322-002Ds | 12/22/10 13:57 | Arsenic    | 1.11   | 0.005 | 1.1   | 0.008    | 100  | 70 - 130     |      |
|                |                | Barium     | 1.2    | 0.5   | 1.1   | ND       | 103  | 70 - 130     |      |
|                |                | Cadmium    | 1.13   | 0.002 | 1.1   | ND       | 103  | 70 - 130     |      |
|                |                | Copper     | 1.09   | 0.01  | 1.1   | ND       | 98.8 | 70 - 130     |      |
|                |                | Lead       | 0.98   | 0.02  | 1.1   | ND       | 89.4 | 70 - 130     |      |
|                |                | Molybdenum | 1.22   | 0.02  | 1.1   | 0.09     | 103  | 70 - 130     |      |
|                |                | Selenium   | 1.08   | 0.005 | 1.1   | ND       | 97.7 | 70 - 130     |      |
|                |                | Uranium    | 1.22   | 0.001 | 1.1   | 0.066    | 105  | 70 - 130     |      |
|                |                | Vanadium   | 1.14   | 0.02  | 1.1   | ND       | 103  | 70 - 130     |      |

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

| Sample ID     | RunNo: 66067   | Analyte    | Result | RL     | Ref Samp | %RPD  | %REC | % RPD Limits | Qual |
|---------------|----------------|------------|--------|--------|----------|-------|------|--------------|------|
| S1012322-002D | 12/22/10 13:54 | Arsenic    | 0.008  | 0.001  | 0.008    | 1.63  |      | 20           |      |
|               |                | Barium     | ND     | 0.1    | ND       | 0     |      | 20           |      |
|               |                | Cadmium    | ND     | 0.001  | ND       | 0     |      | 20           |      |
|               |                | Copper     | ND     | 0.01   | ND       | 0     |      | 20           |      |
|               |                | Lead       | ND     | 0.01   | ND       | 0     |      | 20           |      |
|               |                | Molybdenum | 0.09   | 0.01   | 0.09     | 0.659 |      | 20           |      |
|               |                | Selenium   | ND     | 0.005  | ND       | 0     |      | 20           |      |
|               |                | Uranium    | 0.0659 | 0.0003 | 0.0664   | 0.701 |      | 20           |      |
|               |                | Vanadium   | ND     | 0.1    | ND       | 0     |      | 20           |      |

Test: **Fluoride by SM 4500**

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

| Sample ID | RunNo: 66199   | Analyte  | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------|--------|-----|-------|----------|------|--------------|------|
| BLANK     | 12/28/10 10:03 | Fluoride | ND     | 0.1 |       |          |      |              |      |
| Sample ID | RunNo: 66199   | Analyte  | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
| BLANK     | 12/28/10 16:57 | Fluoride | ND     | 0.1 |       |          |      |              |      |
| Sample ID | RunNo: 66199   | Analyte  | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
| BLANK     | 12/28/10 23:34 | Fluoride | ND     | 0.1 |       |          |      |              |      |

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

| Sample ID | RunNo: 66199   | Analyte  | Result | RL  | Spike   | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------|--------|-----|---|----------|------|--------------|------|
| ATQC      | 12/28/10 9:52  | Fluoride | 3.0    | 0.1 | 2.82  |          | 105  | 86.1 - 114   |      |
| Sample ID | RunNo: 66199   | Analyte  | Result | RL  | Spike <td>Ref Samp</td> <td>%REC</td> <td>% Rec Limits</td> <td>Qual</td> | Ref Samp | %REC | % Rec Limits | Qual |
| ATQC      | 12/28/10 16:48 | Fluoride | 2.8    | 0.1 | 2.82  |          | 98.5 | 86.1 - 114   |      |

- Qualifiers:**
- 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
  - R RPD outside accepted recovery limits
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - O Outside the Range of Dilutions
  - S Spike Recovery outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011**Report ID:** S1012322002Test: **Fluoride by SM 4500**Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 66199   | Analyte  | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------|--------|-----|-------|----------|------|--------------|------|
| ATQC      | 12/28/10 23:25 | Fluoride | 2.8    | 0.1 | 2.82  |          | 100  | 86.1 - 114   |      |

Test: **Gross Alpha, Beta by SM 7110B**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 66303   | Analyte     | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------|--------|----|-------|----------|------|--------------|------|
| MB-R66303 | 12/29/10 17:28 | Gross Alpha | ND     | 2  |       |          |      |              |      |
|           |                | Gross Beta  | ND     | 3  |       |          |      |              |      |

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

| Sample ID  | RunNo: 66303   | Analyte     | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|-------------|--------|----|-------|----------|------|--------------|------|
| LCS-R66303 | 12/29/10 17:28 | Gross Alpha | 66     | 2  | 69    |          | 95.2 | 72.6 - 137   |      |

| Sample ID  | RunNo: 66303   | Analyte    | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|------------|--------|----|-------|----------|------|--------------|------|
| LCS-R66303 | 12/29/10 17:28 | Gross Beta | 125    | 3  | 130   |          | 96.3 | 72.6 - 137   |      |

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

| Sample ID       | RunNo: 66303   | Analyte     | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|-------------|--------|----|-------|----------|------|--------------|------|
| S1012322-001FMS | 12/29/10 17:28 | Gross Alpha | 422    | 2  | 276   | 186      | 85.5 | 44.4 - 137   |      |

| Sample ID       | RunNo: 66303   | Analyte    | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|------------|--------|----|-------|----------|------|--------------|------|
| S1012322-001FMS | 12/29/10 17:28 | Gross Beta | 588    | 3  | 518   | 71       | 99.8 | 44.4 - 137   |      |

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

| Sample ID        | RunNo: 66303   | Analyte     | Result | RL | Ref Samp | %RPD  | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------|--------|----|----------|-------|------|--------------|------|
| S1012322-002FDUP | 12/29/10 17:28 | Gross Alpha | 152    | 2  | 151      | 0.617 |      | 0            |      |
|                  |                | Gross Beta  | 61     | 3  | 58       | 5.59  |      | 0            |      |

Test: **Anions by ION Chromatography**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 66072  | Analyte  | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|----------|--------|----|-------|----------|------|--------------|------|
| BLANK     | 12/22/10 0:00 | Chloride | ND     | 1  |       |          |      |              |      |
|           |               | Sulfate  | ND     | 1  |       |          |      |              |      |

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

| Sample ID | RunNo: 66072  | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|---------|--------|----|-------|----------|------|--------------|------|
| DIONEX    | 12/22/10 8:04 | Sulfate | 145    | 1  | 150   |          | 96.5 | 90 - 110     |      |

| Sample ID | RunNo: 66072  | Analyte  | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|----------|--------|----|-------|----------|------|--------------|------|
| DIONEX    | 12/22/10 8:14 | Chloride | 32     | 1  | 30    |          | 106  | 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**

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011**Report ID:** S1012322002**Test: Anions by ION Chromatography**Sample Type **DUP** Units: mg/L

| Sample ID     | RunNo: 66072   | Analyte  | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|----------|--------|----|----------|------|------|--------------|------|
| S1012322-001B | 12/22/10 17:43 | Chloride | 7      | 1  | 6        | 2.12 |      | 20           |      |
|               |                | Sulfate  | 763    | 1  | 754      | 1.22 |      | 20           |      |

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

| Sample ID | RunNo: 66075   | Analyte   | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-----------|--------|----|-------|----------|------|--------------|------|
| ICB       | 12/22/10 14:00 | Calcium   | ND     | 1  |       |          |      |              |      |
|           |                | Magnesium | ND     | 1  |       |          |      |              |      |
|           |                | Potassium | ND     | 1  |       |          |      |              |      |
|           |                | Sodium    | ND     | 1  |       |          |      |              |      |

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

| Sample ID | RunNo: 66075   | Analyte   | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-----------|--------|----|-------|----------|------|--------------|------|
| ICV 3     | 12/22/10 14:05 | Calcium   | 41     | 1  | 40    |          | 102  | 85 - 115     |      |
|           |                | Magnesium | 40     | 1  | 40    |          | 101  | 85 - 115     |      |
|           |                | Potassium | 40     | 1  | 40    |          | 99.2 | 85 - 115     |      |
|           |                | Sodium    | 41     | 1  | 40    |          | 101  | 85 - 115     |      |

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

| Sample ID | RunNo: 66249   | Analyte                  | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|-----|-------|----------|------|--------------|------|
| Blank     | 12/30/10 13:51 | Nitrogen, Ammonia (As N) | ND     | 0.1 |       |          |      |              |      |

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

| Sample ID | RunNo: 66249   | Analyte                  | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|-----|-------|----------|------|--------------|------|
| QC        | 12/30/10 13:53 | Nitrogen, Ammonia (As N) | 14.6   | 0.1 | 16    |          | 91.2 | 90 - 110     |      |

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

| Sample ID     | RunNo: 66249   | Analyte                  | Result | RL  | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|--------------------------|--------|-----|----------|------|------|--------------|------|
| s1012322-001c | 12/30/10 14:07 | Nitrogen, Ammonia (As N) | 0.3    | 0.1 | 0.3      | 4.26 |      | 20           |      |

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

| Sample ID | RunNo: 66126   | Analyte                          | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------------------|--------|-----|-------|----------|------|--------------|------|
| blk       | 12/23/10 15:38 | Nitrogen, Nitrate-Nitrite (as N) | ND     | 0.1 |       |          |      |              |      |

|                    |  |   |
|--------------------|--|---|
| <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

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011  
**Report ID:** S1012322002

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

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

| Sample ID | RunNo:         | Analyte                          | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------------------|--------|-----|-------|----------|------|--------------|------|
| QC        | 12/23/10 15:40 | Nitrogen, Nitrate-Nitrite (as N) | 30.5   | 0.1 | 28.7  |          | 106  | 90 - 110     |      |

Test: **Lead 210 and Polonium 210**

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

| Sample ID | RunNo:         | Analyte              | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB-R66343 | 01/04/11 10:51 | Lead 210 (Dissolved) | ND     | 1  |       |          |      |              |      |

| Sample ID | RunNo:         | Analyte              | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB-R66343 | 01/04/11 10:51 | Lead 210 (Suspended) | ND     | 1  |       |          |      |              |      |

| Sample ID | RunNo:         | Analyte                  | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB-R66344 | 01/03/11 16:27 | Polonium 210 (Dissolved) | ND     | 1  |       |          |      |              |      |

| Sample ID | RunNo:         | Analyte                  | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB-R66344 | 01/03/11 16:27 | Polonium 210 (Suspended) | ND     | 1  |       |          |      |              |      |

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

| Sample ID  | RunNo:         | Analyte              | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS-R66343 | 01/04/11 10:51 | Lead 210 (Dissolved) | 14     | 1  | 13.2  |          | 107  | 50 - 150     |      |

| Sample ID  | RunNo:         | Analyte              | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS-R66343 | 01/04/11 10:51 | Lead 210 (Suspended) | 70     | 1  | 66.2  |          | 106  | 50 - 150     |      |

| Sample ID  | RunNo:         | Analyte                  | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS-R66344 | 01/03/11 16:27 | Polonium 210 (Dissolved) | 15     | 1  | 15.1  |          | 101  | 50 - 150     |      |

| Sample ID  | RunNo:         | Analyte                  | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS-R66344 | 01/03/11 16:27 | Polonium 210 (Suspended) | 18     | 1  | 15.1  |          | 121  | 50 - 150     |      |

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

| Sample ID       | RunNo:         | Analyte              | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1012322-001FMS | 01/04/11 10:51 | Lead 210 (Dissolved) | 19     | 1  | 13.2  | 6        | 101  | 50 - 150     |      |

| Sample ID       | RunNo:         | Analyte              | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1012322-002FMS | 01/04/11 10:51 | Lead 210 (Dissolved) | 17     | 1  | 13.2  | 4        | 99.2 | 50 - 150     |      |

| Sample ID       | RunNo:         | Analyte                  | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1012322-001FMS | 01/03/11 16:27 | Polonium 210 (Dissolved) | 11     | 1  | 13.2  | 1        | 73.8 | 50 - 150     |      |

- Qualifiers:**
- 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
  - R RPD outside accepted recovery limits
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - O Outside the Range of Dilutions
  - S Spike Recovery outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011**Report ID:** S1012322002**Test: Lead 210 and Polonium 210**Sample Type **MS** Units: pCi/L

| Sample ID       | RunNo: 66344   | Analyte                  | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1012322-002FMS | 01/03/11 16:27 | Polonium 210 (Dissolved) | 15     | 1  | 15.1  | ND       | 102  | 50 - 150     |      |

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

| Sample ID        | RunNo: 66343   | Analyte              | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1012322-002FDUP | 01/04/11 10:51 | Lead 210 (Suspended) | 26     | 1  | 23       | 12.9 |      | 20           |      |

| Sample ID        | RunNo: 66344   | Analyte                  | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1012322-002FDUP | 01/03/11 16:27 | Polonium 210 (Suspended) | 1      | 1  | 2        | 50.8 |      | 20           | R    |

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

| Sample ID | RunNo: 66292   | Analyte                | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|----|-------|----------|------|--------------|------|
| MB-R66292 | 01/03/11 20:28 | Radium 228 (Dissolved) | ND     | 1  |       |          |      |              |      |

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

| Sample ID  | RunNo: 66292   | Analyte                | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|------------------------|--------|----|-------|----------|------|--------------|------|
| LCS-R66292 | 01/03/11 20:28 | Radium 228 (Dissolved) | 13     | 1  | 14.2  |          | 94.6 | 63.8 - 119   |      |

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

| Sample ID       | RunNo: 66292   | Analyte                | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|------------------------|--------|----|-------|----------|------|--------------|------|
| S1012322-001FMS | 01/03/11 20:28 | Radium 228 (Dissolved) | 17     | 1  | 14.2  | 1        | 108  | 52.4 - 145   |      |

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

| Sample ID        | RunNo: 66292   | Analyte                | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|------------------------|--------|----|----------|------|------|--------------|------|
| S1012322-002FDUP | 01/03/11 20:28 | Radium 228 (Dissolved) | ND     | 1  | 2        | 0    |      | 20           |      |

**Test: Radium 226 by SM 7500**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 66294   | Analyte                | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB-R66294 | 12/27/10 16:30 | Radium 226 (Suspended) | ND     | 0.2 |       |          |      |              |      |

| Sample ID | RunNo: 66334   | Analyte                | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB10-363  | 01/04/11 13:40 | Radium 226 (Dissolved) | ND     | 0.2 |       |          |      |              |      |

| Sample ID | RunNo: 66334   | Analyte                | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB10-363  | 01/04/11 13:40 | Radium 226 (Suspended) | ND     | 0.2 |       |          |      |              |      |

**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**

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011**Report ID:** S1012322002Test: **Radium 226 by SM 7500**Sample Type **LCS** Units: pCi/L

| Sample ID  | RunNo: 66294   | Analyte                | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS-R66294 | 12/27/10 16:30 | Radium 226 (Suspended) | 7.9    | 0.2 | 9.82  |          | 80.0 | 69.3 - 130   |      |

| Sample ID | RunNo: 66334   | Analyte                | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS10-363 | 01/04/11 13:40 | Radium 226 (Dissolved) | 8.1    | 0.2 | 9.82  |          | 82.2 | 69.3 - 130   |      |

| Sample ID | RunNo: 66334   | Analyte                | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS10-363 | 01/04/11 13:40 | Radium 226 (Suspended) | 8.3    | 0.2 | 9.82  |          | 84.3 | 69.3 - 130   |      |

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

| Sample ID       | RunNo: 66334   | Analyte                | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| S1012322-001FMS | 01/04/11 13:40 | Radium 226 (Dissolved) | 121    | 0.2 | 9.82  | 107      | 135  | 54.6 - 137   |      |

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

| Sample ID        | RunNo: 66334   | Analyte                | Result | RL  | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|------------------------|--------|-----|----------|------|------|--------------|------|
| S1012322-002FDUP | 01/04/11 13:40 | Radium 226 (Suspended) | 0.4    | 0.2 | 0.5      | 16.2 |      | 20           |      |

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

| Sample ID | RunNo: 66431   | Analyte                 | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB-R66431 | 01/03/11 11:56 | Thorium 230 (Dissolved) | ND     | 0.2 |       |          |      |              |      |

| Sample ID       | RunNo: 66431   | Analyte                 | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| TRACER BLANK DB | 01/03/11 11:56 | Thorium 230 (Suspended) | ND     | 0.2 |       |          |      |              |      |

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

| Sample ID  | RunNo: 66431   | Analyte                 | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS-R66431 | 01/03/11 11:56 | Thorium 230 (Dissolved) | 11     | 0.2 | 12    |          | 89.7 | 50 - 150     |      |
|            |                | Thorium 230 (Suspended) | 11     | 0.2 | 12    |          | 89.7 | 50 - 150     |      |

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

| Sample ID        | RunNo: 66431   | Analyte                 | Result | RL  | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1012322-001FDUP | 01/03/11 11:56 | Thorium 230 (Dissolved) | 0.4    | 0.2 | ND       | 0    |      | 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**

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011**Report ID:** S1012322002Test: **Radon 222 by SM7500-RN**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 66804  | Analyte   | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-----------|--------|----|-------|----------|------|--------------|------|
| MB-R66804 | 12/22/10 0:00 | Radon-222 | ND     | 50 |       |          |      |              | L    |

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

| Sample ID  | RunNo: 66804  | Analyte   | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|---------------|-----------|--------|-----|-------|----------|------|--------------|------|
| LCS-R66804 | 12/22/10 0:00 | Radon-222 | 21800  | 100 | 22500 |          | 96.8 | 75 - 125     | L    |

Test: **Silica as SiO2**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 66084   | Analyte        | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------|--------|-----|-------|----------|------|--------------|------|
| ICB       | 12/22/10 14:00 | Silica as SiO2 | ND     | 0.1 |       |          |      |              |      |

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

| Sample ID | RunNo: 66084   | Analyte        | Result | RL  | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------|--------|-----|-------|----------|------|--------------|------|
| ICV Q     | 12/22/10 14:03 | Silica as SiO2 | 2.1    | 0.1 | 2.14  |          | 97.9 | 85 - 115     |      |

Test: **Solids By SM 2540**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 66127   | Analyte                      | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------------|--------|----|-------|----------|------|--------------|------|
| Air       | 12/22/10 16:00 | Total Dissolved Solids (180) | ND     | 10 |       |          |      |              |      |

| Sample ID | RunNo: 66127   | Analyte                      | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------------|--------|----|-------|----------|------|--------------|------|
| Air       | 12/22/10 16:05 | Total Dissolved Solids (180) | ND     | 10 |       |          |      |              |      |

| Sample ID | RunNo: 66127   | Analyte                      | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------------|--------|----|-------|----------|------|--------------|------|
| DI        | 12/22/10 16:10 | Total Dissolved Solids (180) | ND     | 10 |       |          |      |              |      |

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

| Sample ID | RunNo: 66127   | Analyte                      | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------------|--------|----|-------|----------|------|--------------|------|
| Control   | 12/22/10 16:15 | Total Dissolved Solids (180) | 220    | 10 | 226   |          | 99.1 | 90 - 110     |      |

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

| Sample ID    | RunNo: 66116   | Analyte   | Result | RL   | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|--------------|----------------|-----------|--------|------|-------|----------|------|--------------|------|
| BLK TOT-4789 | 12/23/10 16:13 | Iron      | ND     | 0.05 |       |          |      |              |      |
|              |                | Manganese | ND     | 0.02 |       |          |      |              |      |

**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

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011  
**Report ID:** S1012322002

Test: **Total (200.2) Metals by EPA 200.7 ICP - Water**

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

| Sample ID    | RunNo: 66116   | Analyte   | Result | RL   | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|--------------|----------------|-----------|--------|------|-------|----------|------|--------------|------|
| LCS TOT-4789 | 12/23/10 16:15 | Iron      | 0.57   | 0.05 | 0.5   |          | 115  | 85 - 115     |      |
|              |                | Manganese | 0.23   | 0.02 | 0.2   |          | 115  | 85 - 115     |      |

Test: **Suspended Natural Uranium**

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

| Sample ID      | RunNo: 66171   | Analyte           | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|-------|-------|----------|------|--------------|------|
| Init Cal Blank | 12/28/10 11:32 | Uranium Suspended | ND     | 0.001 |       |          |      |              |      |

| Sample ID      | RunNo: 66172  | Analyte           | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|---------------|-------------------|--------|-------|-------|----------|------|--------------|------|
| Init Cal Blank | 12/28/10 9:49 | Uranium Suspended | ND     | 0.001 |       |          |      |              |      |

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

| Sample ID | RunNo: 66171   | Analyte           | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|-------|-------|----------|------|--------------|------|
| lcs       | 12/28/10 11:37 | Uranium Suspended | 0.100  | 0.001 | 0.1   |          | 99.7 | 90 - 110     |      |

| Sample ID | RunNo: 66172  | Analyte           | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-------------------|--------|-------|-------|----------|------|--------------|------|
| lcs       | 12/28/10 9:56 | Uranium Suspended | 0.100  | 0.001 | 0.1   |          | 100  | 90 - 110     |      |

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

| Sample ID      | RunNo: 66171   | Analyte           | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|-------|-------|----------|------|--------------|------|
| S1012322-002Gs | 12/28/10 12:57 | Uranium Suspended | 1.21   | 0.001 | 1.1   | ND       | 110  | 70 - 130     |      |

| Sample ID      | RunNo: 66172   | Analyte           | Result | RL    | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|-------|-------|----------|------|--------------|------|
| S1012322-001Gs | 12/28/10 10:54 | Uranium Suspended | 1.14   | 0.001 | 1.1   | ND       | 104  | 70 - 130     |      |

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

| Sample ID     | RunNo: 66171   | Analyte           | Result | RL     | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|-------------------|--------|--------|----------|------|------|--------------|------|
| S1012322-002G | 12/28/10 12:55 | Uranium Suspended | ND     | 0.0003 | ND       | 0    |      | 0            |      |

| Sample ID     | RunNo: 66172   | Analyte           | Result | RL     | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|-------------------|--------|--------|----------|------|------|--------------|------|
| S1012322-001G | 12/28/10 10:50 | Uranium Suspended | 0.0006 | 0.0003 | 0.0006   | 6.99 |      | 0            |      |

- Qualifiers:**
- 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
  - R RPD outside accepted recovery limits
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - O Outside the Range of Dilutions
  - S Spike Recovery outside accepted recovery limits



### ANALYTICAL QC SUMMARY REPORT

**CLIENT:** AUC LLC  
**Work Order:** S1012322  
**Project:** Reno Creek Project

**Date:** 3/15/2011

**Report ID:** S1012322002

Test: **pH Water**

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

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

BLANK 12/22/10 13:08 pH 6.1 0.1

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

BLANK 12/22/10 20:31 pH 6.6 0.1

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

BLANK 12/28/10 10:03 pH 6.0 0.1

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

BLANK 12/28/10 23:34 pH 6.0 0.1

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

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

ATQC 12/22/10 12:58 pH 10.9 0.1 10.7 102 94.8 - 105

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

ATQC 12/22/10 20:24 pH 10.7 0.1 10.7 100 94.8 - 105

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

ATQC 12/28/10 9:52 pH 10.9 0.1 10.7 102 94.8 - 105

| Sample ID | RunNo: 66199 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

ATQC 12/28/10 23:25 pH 10.6 0.1 10.7 99.5 94.8 - 105

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

| Sample ID | RunNo: 66142 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|

S1012322-002B 12/22/10 16:22 pH 8.0 0.1 8.1 0.441 20

- Qualifiers:**
- 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
  - R RPD outside accepted recovery limits
  - E Value above quantitation range
  - J Analyte detected below quantitation limits
  - M Value exceeds Monthly Ave or MCL
  - O Outside the Range of Dilutions
  - 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 80903**

Client Name **AUC, LLC** Project Identification **Reno Creek Project** Sampler (Signature/Attestation of Authenticity) *Tim Shriver* Telephone # **307-265-0696**

Report Address **951 Werner Court Suite 395 Casper Wyoming 82601** Contact Name and Email **Tim Shriver jshriver@treccorp.com** Purchase Order # **2010-101**

Invoice Address **951 Werner Court Suite 395 Casper Wyoming 82601** Voice **307-265-0696** FAX **307-265-2498** Quote # **2010-101**

| ITEM | LAB ID       | DATE SAMPLED | TIME SAMPLED | SAMPLE IDENTIFICATION | Matrix | # of Containers | ANALYSES / PARAMETERS                  | REMARKS |
|------|--------------|--------------|--------------|-----------------------|--------|-----------------|--|---------|
| 1    | 31012322-001 | 12/20/10     | 11:45        | P2M9                  | W      | 13              | See Attached Table 1 (4.14 & Guide 8)  | X       |
| 2    | 31012322-001 | 12/20/10     | 2:30         | P2M8                  | W      | 10 (16)         | See Attached Table 2 (Air Particulate) | X       |
| 3    |              |              |              |                       |        |                 | See Attached Table 3 (Vegetation)      |         |
| 4    |              |              |              |                       |        |                 | See Attached Table 4 (Sediment)        |         |
| 5    |              |              |              |                       |        |                 | See Attached Table 5 (Soil)            |         |
| 6    |              |              |              |                       |        |                 | See Attached Table 8 WYPDES Discharge  |         |
| 7    |              |              |              |                       |        |                 | See Attached Table 9 Blanks            |         |
| 8    |              |              |              |                       |        |                 |  |         |
| 9    |              |              |              |                       |        |                 |  |         |
| 10   |              |              |              |                       |        |                 |  |         |
| 11   |              |              |              |                       |        |                 |  |         |
| 12   |              |              |              |                       |        |                 |  |         |
| 13   |              |              |              |                       |        |                 |  |         |
| 14   |              |              |              |                       |        |                 |  |         |

LAB COMMENTS: Relinquished By (Signature/Printed) *Tim Shriver* Received By (Signature/Printed) *Tim Shriver* DATE TIME: 12/20/10 0815

SHIPPING INFO: UPS  Fed Express  US Mail  Hand Carried  Other  MATRIX CODES: Water  Soil  Solid  Trip Blank  Other  WT SL SD TB OT

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

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

ADDITIONAL REMARKS: *3.9* *Tim Shriver* *Kathy Boyd* *12/20/10 10:37*