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11 August 2015

Curtis Hartenstein
Southern Ute Tribe Environmental
PO Box 737
Ignacio, CO 81137
RE: 8/8/15

Enclosed are the results of analyses for samples received by the laboratory on 08/08/15 16:00.
If you need any further assistance, please feel free to contact me.

Sincerely,

DRAFT REPORT
DATA SUBJECT TO CHANGE

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water

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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| NAR6 | 1508098-01 | Water | 08/08/15 14:00 | 08/08/15 16:00 |
| AR 7-2 | 1508098-02 | Water | 08/08/15 14:30 | 08/08/15 16:00 |
| AR 16-0 | 1508098-03 | Water | 08/08/15 15:00 | 08/08/15 16:00 |
| AR 19-3 | 1508098-04 | Water | 08/08/15 15:30 | 08/08/15 16:00 |
| AR 16-0 Dupe | 1508098-05 | Water | 08/08/15 15:00 | 08/08/15 16:00 |



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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

# NAR6

## 1508098-01 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | |
| **Alkalinity, Bicarbonate*** | **82.0** | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Alkalinity, Carbonate*** | <10.0 | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Total Recoverable Metals by ICP (E200.7)** | | | | | | | | | |
| **Aluminum*** | **1.57** | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **55.2** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness, 200.2 Metals** | **173** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | **3.93** | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **8.44** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.145** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.67** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **12.2** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Dissolved Metals by ICP** | | | | | | | | | |
| **Aluminum*** | <0.050 | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **53.1** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness** | **166** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | <0.050 | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **8.03** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.022** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.24** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **12.0** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |

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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## NAR6

### 1508098-01 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Recoverable Metals by ICPMS (E200.8)** | | | | | | | | | |
| **Antimony*** | <0.0015 | 0.0015 | 0.00007 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Arsenic*** | **0.0035** | 0.0015 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0700** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cadmium*** | **0.0003** | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Chromium*** | <0.0010 | 0.0010 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0006** | 0.0001 | 0.000006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0147** | 0.0001 | 0.00006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Lead*** | **0.0532** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0017** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0022** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Selenium*** | **0.0011** | 0.0010 | 0.0003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Silver*** | **0.0004** | 0.0001 | 0.00003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Thallium*** | **0.0002** | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0825** | 0.0010 | 0.0004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Dissolved Metals by ICPMS** | | | | | | | | | |
| **Antimony*** | <0.0015 | 0.0015 | 0.00007 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Arsenic*** | <0.0005 | 0.0005 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0512** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cadmium*** | <0.0001 | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Chromium*** | **0.0025** | 0.0010 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0001** | 0.0001 | 0.000006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0032** | 0.0001 | 0.00006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Lead*** | <0.0005 | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0011** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0019** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Selenium*** | <0.0010 | 0.0010 | 0.0003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Silver*** | <0.0001 | 0.0001 | 0.00003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Thallium*** | **0.0002** | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Vanadium*** | **0.0007** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0144** | 0.0100 | 0.0004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |

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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## NAR6

### 1508098-01 (Water)

| Analyte | **Result** | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Mercury by CVAA** | | | | | | | | | |
| **Mercury*** | <0.0002 | 0.0002 | 0.00002 | mg/L | 1 | 08/10/15 | 245.1 | | JGS |

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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 7-2

### 1508098-02 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | |
| **Alkalinity, Bicarbonate*** | **75.0** | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Alkalinity, Carbonate*** | <10.0 | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Total Recoverable Metals by ICP (E200.7)** | | | | | | | | | |
| **Aluminum*** | **0.949** | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **56.2** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness, 200.2 Metals** | **175** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | **3.29** | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **8.37** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.129** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.56** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **11.4** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Dissolved Metals by ICP** | | | | | | | | | |
| **Aluminum*** | <0.050 | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **54.9** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness** | **171** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | <0.050 | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **8.16** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.025** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.33** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **11.4** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |

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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 7-2

### 1508098-02 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Recoverable Metals by ICPMS (E200.8)** | | | | | | | | | |
| **Antimony*** | <0.0015 | 0.0015 | 0.00007 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Arsenic*** | **0.0032** | 0.0015 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0531** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cadmium*** | **0.0003** | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Chromium*** | <0.0010 | 0.0010 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0005** | 0.0001 | 0.000006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0135** | 0.0001 | 0.00006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Lead*** | **0.0457** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0016** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0021** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Selenium*** | <0.0010 | 0.0010 | 0.0003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Silver*** | **0.0003** | 0.0001 | 0.00003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Thallium*** | **0.0001** | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0811** | 0.0010 | 0.0004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Dissolved Metals by ICPMS** | | | | | | | | | |
| **Antimony*** | <0.0015 | 0.0015 | 0.00007 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Arsenic*** | <0.0005 | 0.0005 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0465** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cadmium*** | <0.0001 | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Chromium*** | **0.0036** | 0.0010 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0001** | 0.0001 | 0.000006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0026** | 0.0001 | 0.00006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Lead*** | **0.0013** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0011** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0017** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Selenium*** | <0.0010 | 0.0010 | 0.0003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Silver*** | <0.0001 | 0.0001 | 0.00003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Thallium*** | **0.0002** | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Vanadium*** | **0.0010** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0225** | 0.0100 | 0.0004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |

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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 7-2

### 1508098-02 (Water)

| Analyte | **Result** | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Mercury by CVAA** | | | | | | | | | |
| **Mercury*** | <0.0002 | 0.0002 | 0.00002 | mg/L | 1 | 08/10/15 | 245.1 | | JGS |

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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

# AR 16-0

## 1508098-03 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | |
| **Alkalinity, Bicarbonate*** | **65.0** | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Alkalinity, Carbonate*** | <10.0 | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Total Recoverable Metals by ICP (E200.7)** | | | | | | | | | |
| **Aluminum*** | **0.708** | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **54.0** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness, 200.2 Metals** | **168** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | **2.52** | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **7.96** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.131** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.43** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **10.8** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Dissolved Metals by ICP** | | | | | | | | | |
| **Aluminum*** | **0.060** | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **54.0** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness** | **167** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | <0.050 | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **7.91** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.048** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.20** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **11.0** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |

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| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 16-0

### 1508098-03 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Recoverable Metals by ICPMS (E200.8)** | | | | | | | | | |
| **Antimony*** | <0.0015 | 0.0015 | 0.00007 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Arsenic*** | **0.0027** | 0.0015 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0483** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cadmium*** | **0.0003** | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Chromium*** | <0.0010 | 0.0010 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0005** | 0.0001 | 0.000006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0109** | 0.0001 | 0.00006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Lead*** | **0.0345** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0013** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0020** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Selenium*** | <0.0010 | 0.0010 | 0.0003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Silver*** | **0.0002** | 0.0001 | 0.00003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Thallium*** | <0.0001 | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0691** | 0.0010 | 0.0004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Dissolved Metals by ICPMS** | | | | | | | | | |
| **Antimony*** | **0.0010** | 0.0005 | 0.00007 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Arsenic*** | **0.0007** | 0.0005 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0432** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cadmium*** | <0.0001 | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Chromium*** | **0.0030** | 0.0010 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0002** | 0.0001 | 0.000006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0029** | 0.0001 | 0.00006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Lead*** | <0.0005 | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0011** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0018** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Selenium*** | <0.0010 | 0.0010 | 0.0003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Silver*** | <0.0001 | 0.0001 | 0.00003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Thallium*** | **0.0001** | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Vanadium*** | **0.0009** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0139** | 0.0010 | 0.0004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |



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| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 16-0

### 1508098-03 (Water)

| Analyte | **Result** | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Mercury by CVAA** | | | | | | | | | |
| **Mercury*** | <0.0002 | 0.0002 | 0.00002 | mg/L | 1 | 08/10/15 | 245.1 | | JGS |

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| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 19-3

### 1508098-04 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | |
| **Alkalinity, Bicarbonate*** | **70.0** | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Alkalinity, Carbonate*** | <10.0 | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Total Recoverable Metals by ICP (E200.7)** | | | | | | | | | |
| **Aluminum*** | **0.714** | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **54.5** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness, 200.2 Metals** | **169** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | **2.70** | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **8.01** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.153** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.34** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **10.5** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Dissolved Metals by ICP** | | | | | | | | | |
| **Aluminum*** | **0.085** | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **54.1** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness** | **167** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | <0.050 | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **7.80** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.083** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.32** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **10.4** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |

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| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 19-3

### 1508098-04 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Recoverable Metals by ICPMS (E200.8)** | | | | | | | | | |
| **Antimony*** | <0.0015 | 0.0015 | 0.00007 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Arsenic*** | **0.0031** | 0.0015 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0512** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cadmium*** | **0.0003** | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Chromium*** | <0.0010 | 0.0010 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0006** | 0.0001 | 0.000006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0131** | 0.0001 | 0.00006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Lead*** | **0.0377** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0013** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0022** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Selenium*** | **0.0013** | 0.0010 | 0.0003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Silver*** | **0.0002** | 0.0001 | 0.00003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Thallium*** | <0.0001 | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0845** | 0.0010 | 0.0004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Dissolved Metals by ICPMS** | | | | | | | | | |
| **Antimony*** | **0.0007** | 0.0005 | 0.00007 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Arsenic*** | **0.0006** | 0.0005 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0474** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cadmium*** | <0.0001 | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Chromium*** | **0.0016** | 0.0010 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0002** | 0.0001 | 0.000006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0028** | 0.0001 | 0.00006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Lead*** | <0.0005 | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0010** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0019** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Selenium*** | <0.0010 | 0.0010 | 0.0003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Silver*** | <0.0001 | 0.0001 | 0.00003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Thallium*** | **0.0001** | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Vanadium*** | **0.0005** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0157** | 0.0010 | 0.0004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |



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| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 19-3

### 1508098-04 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Mercury by CVAA** | | | | | | | | | |
| **Mercury*** | <0.0002 | 0.0002 | 0.00002 | mg/L | 1 | 08/10/15 | 245.1 | | JGS |

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## AR 16-0 Dupe

### 1508098-05 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | |
| **Alkalinity, Bicarbonate*** | **64.0** | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Alkalinity, Carbonate*** | <10.0 | 10.0 | | mg/L | 1 | 08/11/15 | 2320 B | | LLG |
| **Total Recoverable Metals by ICP (E200.7)** | | | | | | | | | |
| **Aluminum*** | **0.654** | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **54.0** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness, 200.2 Metals** | **168** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | **2.57** | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **7.99** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.135** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.39** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **10.8** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Dissolved Metals by ICP** | | | | | | | | | |
| **Aluminum*** | **0.060** | 0.050 | 0.020 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Calcium*** | **53.6** | 0.020 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Hardness** | **166** | 0.462 | 0.140 | mgCaCO3/L | 1 | 08/11/15 | 2340 B | | JGS |
| **Iron*** | <0.050 | 0.050 | 0.003 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Magnesium*** | **7.88** | 0.100 | 0.032 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Manganese*** | **0.050** | 0.005 | 0.0007 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Potassium*** | **2.23** | 1.00 | 0.335 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |
| **Sodium*** | **10.9** | 1.00 | 0.305 | mg/L | 1 | 08/11/15 | EPA200.7 | | JGS |

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| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 16-0 Dupe

### 1508098-05 (Water)

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Recoverable Metals by ICPMS (E200.8)** | | | | | | | | | |
| **Antimony*** | <0.0015 | 0.0015 | 0.00007 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Arsenic*** | **0.0026** | 0.0015 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0541** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cadmium*** | **0.0003** | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Chromium*** | <0.0010 | 0.0010 | 0.0002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0005** | 0.0001 | 0.000006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0115** | 0.0001 | 0.00006 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Lead*** | **0.0353** | 0.0005 | 0.00004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0013** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0021** | 0.0005 | 0.00002 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Selenium*** | <0.0010 | 0.0010 | 0.0003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Silver*** | **0.0002** | 0.0001 | 0.00003 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Thallium*** | <0.0001 | 0.0001 | 0.00001 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0711** | 0.0010 | 0.0004 | mg/L | 1 | 08/11/15 | EPA200.8 | | JGS |
| **Dissolved Metals by ICPMS** | | | | | | | | | |
| **Antimony*** | **0.0005** | 0.0005 | 0.00007 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Arsenic*** | **0.0007** | 0.0005 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Barium*** | **0.0493** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Beryllium*** | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cadmium*** | <0.0001 | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Chromium*** | **0.0028** | 0.0010 | 0.0002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Cobalt*** | **0.0003** | 0.0001 | 0.000006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Copper*** | **0.0029** | 0.0001 | 0.00006 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Lead*** | <0.0005 | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Molybdenum*** | **0.0010** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Nickel*** | **0.0023** | 0.0005 | 0.00002 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Selenium*** | <0.0010 | 0.0010 | 0.0003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Silver*** | <0.0001 | 0.0001 | 0.00003 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Thallium*** | **0.0001** | 0.0001 | 0.00001 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Vanadium*** | **0.0008** | 0.0005 | 0.00004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |
| **Zinc*** | **0.0280** | 0.0010 | 0.0004 | mg/L | 1 | 08/10/15 | EPA200.8 | | JGS |



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| | | |
|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## AR 16-0 Dupe

### 1508098-05 (Water)

| Analyte | **Result** | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| **Total Mercury by CVAA** | | | | | | | | | |
| **Mercury*** | <0.0002 | 0.0002 | 0.00002 | mg/L | 1 | 08/10/15 | 245.1 | | JGS |

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| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
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## Total Recoverable Metals by ICP (E200.7) - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B508089 - EPA 200.2** | | | | | | | | | | |
| **Blank (B508089-BLK1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Aluminum | ND | 0.050 | mg/L | | | | | | | |
| Calcium | 0.023 | 0.020 | mg/L | | | | | | | B1 |
| Iron | ND | 0.050 | mg/L | | | | | | | |
| Magnesium | ND | 0.100 | mg/L | | | | | | | |
| Manganese | ND | 0.005 | mg/L | | | | | | | |
| Potassium | ND | 1.00 | mg/L | | | | | | | |
| Sodium | ND | 1.00 | mg/L | | | | | | | |
| **LCS (B508089-BS1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Aluminum | 4.07 | 0.050 | mg/L | 4.00 | | 102 | 85-115 | | | |
| Calcium | 4.11 | 0.020 | mg/L | 4.00 | | 103 | 85-115 | | | |
| Iron | 3.93 | 0.050 | mg/L | 4.00 | | 98.3 | 85-115 | | | |
| Magnesium | 21.0 | 0.100 | mg/L | 20.0 | | 105 | 85-115 | | | |
| Manganese | 2.07 | 0.005 | mg/L | 2.00 | | 104 | 85-115 | | | |
| Potassium | 8.34 | 1.00 | mg/L | 8.00 | | 104 | 85-115 | | | |
| Sodium | 6.52 | 1.00 | mg/L | 6.48 | | 101 | 85-115 | | | |
| **LCS Dup (B508089-BSD1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Aluminum | 4.00 | 0.050 | mg/L | 4.00 | | 100 | 85-115 | 1.64 | 20 | |
| Calcium | 4.02 | 0.020 | mg/L | 4.00 | | 101 | 85-115 | 2.22 | 20 | |
| Iron | 3.91 | 0.050 | mg/L | 4.00 | | 97.7 | 85-115 | 0.694 | 20 | |
| Magnesium | 20.5 | 0.100 | mg/L | 20.0 | | 103 | 85-115 | 2.44 | 20 | |
| Manganese | 2.03 | 0.005 | mg/L | 2.00 | | 102 | 85-115 | 1.95 | 20 | |
| Potassium | 8.08 | 1.00 | mg/L | 8.00 | | 101 | 85-115 | 3.06 | 20 | |
| Sodium | 6.39 | 1.00 | mg/L | 6.48 | | 98.7 | 85-115 | 1.89 | 20 | |



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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B508091 - Dissolved Metals, E200.7/E200.8** | | | | | | | | | | |
| **Blank (B508091-BLK1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Aluminum | ND | 0.050 | mg/L | | | | | | | |
| Calcium | ND | 0.020 | mg/L | | | | | | | |
| Iron | ND | 0.050 | mg/L | | | | | | | |
| Magnesium | ND | 0.100 | mg/L | | | | | | | |
| Manganese | ND | 0.005 | mg/L | | | | | | | |
| Potassium | ND | 1.00 | mg/L | | | | | | | |
| Sodium | ND | 1.00 | mg/L | | | | | | | |
| **LCS (B508091-BS1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Aluminum | 4.89 | 0.050 | mg/L | 5.00 | | 97.8 | 85-115 | | | |
| Calcium | 4.94 | 0.020 | mg/L | 5.00 | | 98.8 | 85-115 | | | |
| Iron | 4.72 | 0.050 | mg/L | 5.00 | | 94.5 | 85-115 | | | |
| Magnesium | 25.2 | 0.100 | mg/L | 25.0 | | 101 | 85-115 | | | |
| Manganese | 2.48 | 0.005 | mg/L | 2.50 | | 99.3 | 85-115 | | | |
| Potassium | 9.97 | 1.00 | mg/L | 10.0 | | 99.7 | 85-115 | | | |
| Sodium | 7.80 | 1.00 | mg/L | 8.10 | | 96.3 | 85-115 | | | |
| **LCS Dup (B508091-BSD1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Aluminum | 4.99 | 0.050 | mg/L | 5.00 | | 99.8 | 85-115 | 1.98 | 20 | |
| Calcium | 5.03 | 0.020 | mg/L | 5.00 | | 101 | 85-115 | 1.92 | 20 | |
| Iron | 4.83 | 0.050 | mg/L | 5.00 | | 96.5 | 85-115 | 2.15 | 20 | |
| Magnesium | 25.7 | 0.100 | mg/L | 25.0 | | 103 | 85-115 | 2.02 | 20 | |
| Manganese | 2.52 | 0.005 | mg/L | 2.50 | | 101 | 85-115 | 1.61 | 20 | |
| Potassium | 10.1 | 1.00 | mg/L | 10.0 | | 101 | 85-115 | 1.13 | 20 | |
| Sodium | 7.93 | 1.00 | mg/L | 8.10 | | 98.0 | 85-115 | 1.71 | 20 | |



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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## Total Recoverable Metals by ICPMS (E200.8) - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B508090 - EPA 200.2M** | | | | | | | | | | |
| **Blank (B508090-BLK1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Antimony | 0.0009 | 0.0005 | mg/L | | | | | | | B3 |
| Arsenic | 0.0007 | 0.0005 | mg/L | | | | | | | B3 |
| Barium | ND | 0.0005 | mg/L | | | | | | | |
| Beryllium | ND | 0.0005 | mg/L | | | | | | | |
| Cadmium | ND | 0.0001 | mg/L | | | | | | | |
| Chromium | ND | 0.0010 | mg/L | | | | | | | |
| Cobalt | ND | 0.0001 | mg/L | | | | | | | |
| Copper | ND | 0.0001 | mg/L | | | | | | | |
| Lead | ND | 0.0005 | mg/L | | | | | | | |
| Molybdenum | ND | 0.0005 | mg/L | | | | | | | |
| Nickel | ND | 0.0005 | mg/L | | | | | | | |
| Selenium | ND | 0.0010 | mg/L | | | | | | | |
| Silver | ND | 0.0001 | mg/L | | | | | | | |
| Thallium | ND | 0.0001 | mg/L | | | | | | | |
| Zinc | ND | 0.0010 | mg/L | | | | | | | |
| **LCS (B508090-BS1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Antimony | 0.0574 | 0.0005 | mg/L | 0.0500 | | 115 | 85-115 | | | |
| Arsenic | 0.0536 | 0.0005 | mg/L | 0.0500 | | 107 | 85-115 | | | |
| Barium | 0.0494 | 0.0005 | mg/L | 0.0500 | | 98.8 | 85-115 | | | |
| Beryllium | 0.0532 | 0.0005 | mg/L | 0.0500 | | 106 | 85-115 | | | |
| Cadmium | 0.0513 | 0.0001 | mg/L | 0.0500 | | 103 | 85-115 | | | |
| Chromium | 0.0533 | 0.0010 | mg/L | 0.0500 | | 107 | 85-115 | | | |
| Cobalt | 0.0523 | 0.0001 | mg/L | 0.0500 | | 105 | 85-115 | | | |
| Copper | 0.0522 | 0.0001 | mg/L | 0.0500 | | 104 | 85-115 | | | |
| Lead | 0.0489 | 0.0005 | mg/L | 0.0500 | | 97.8 | 85-115 | | | |
| Molybdenum | 0.0524 | 0.0005 | mg/L | 0.0500 | | 105 | 85-115 | | | |
| Nickel | 0.0499 | 0.0005 | mg/L | 0.0500 | | 99.9 | 85-115 | | | |
| Selenium | 0.256 | 0.0010 | mg/L | 0.250 | | 102 | 85-115 | | | |
| Silver | 0.0473 | 0.0001 | mg/L | 0.0500 | | 94.5 | 85-115 | | | |
| Thallium | 0.0454 | 0.0001 | mg/L | 0.0500 | | 90.8 | 85-115 | | | |
| Zinc | 0.0546 | 0.0010 | mg/L | 0.0500 | | 109 | 75-125 | | | |



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|---|---|---|
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| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## Total Recoverable Metals by ICPMS (E200.8) - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B508090 - EPA 200.2M** | | | | | | | | | | |
| **LCS Dup (B508090-BSD1)** | | | | Prepared & Analyzed: 08/11/15 | | | | | | |
| Antimony | 0.0575 | 0.0005 | mg/L | 0.0500 | | 115 | 85-115 | 0.0865 | 20 | |
| Arsenic | 0.0523 | 0.0005 | mg/L | 0.0500 | | 105 | 85-115 | 2.42 | 20 | |
| Barium | 0.0486 | 0.0005 | mg/L | 0.0500 | | 97.2 | 85-115 | 1.65 | 20 | |
| Beryllium | 0.0518 | 0.0005 | mg/L | 0.0500 | | 104 | 85-115 | 2.75 | 20 | |
| Cadmium | 0.0494 | 0.0001 | mg/L | 0.0500 | | 98.9 | 85-115 | 3.74 | 20 | |
| Chromium | 0.0525 | 0.0010 | mg/L | 0.0500 | | 105 | 85-115 | 1.36 | 20 | |
| Cobalt | 0.0510 | 0.0001 | mg/L | 0.0500 | | 102 | 85-115 | 2.60 | 20 | |
| Copper | 0.0489 | 0.0001 | mg/L | 0.0500 | | 97.8 | 85-115 | 6.63 | 20 | |
| Lead | 0.0486 | 0.0005 | mg/L | 0.0500 | | 97.2 | 85-115 | 0.592 | 20 | |
| Molybdenum | 0.0524 | 0.0005 | mg/L | 0.0500 | | 105 | 85-115 | 0.0928 | 20 | |
| Nickel | 0.0501 | 0.0005 | mg/L | 0.0500 | | 100 | 85-115 | 0.361 | 20 | |
| Selenium | 0.253 | 0.0010 | mg/L | 0.250 | | 101 | 85-115 | 1.13 | 20 | |
| Silver | 0.0481 | 0.0001 | mg/L | 0.0500 | | 96.2 | 85-115 | 1.72 | 20 | |
| Thallium | 0.0456 | 0.0001 | mg/L | 0.0500 | | 91.2 | 85-115 | 0.407 | 20 | |
| Zinc | 0.0527 | 0.0010 | mg/L | 0.0500 | | 105 | 75-125 | 3.46 | 20 | |



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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B508081 - Dissolved Metals, E200.7/E200.8** | | | | | | | | | | |
| **Blank (B508081-BLK1)** | | | | Prepared & Analyzed: 08/10/15 | | | | | | |
| Antimony | 0.0008 | 0.0005 | mg/L | | | | | | | B3 |
| Arsenic | ND | 0.0005 | mg/L | | | | | | | |
| Barium | ND | 0.0005 | mg/L | | | | | | | |
| Beryllium | ND | 0.0005 | mg/L | | | | | | | |
| Cadmium | ND | 0.0001 | mg/L | | | | | | | |
| Chromium | ND | 0.0010 | mg/L | | | | | | | |
| Cobalt | ND | 0.0001 | mg/L | | | | | | | |
| Copper | ND | 0.0001 | mg/L | | | | | | | |
| Lead | ND | 0.0005 | mg/L | | | | | | | |
| Molybdenum | ND | 0.0005 | mg/L | | | | | | | |
| Nickel | ND | 0.0005 | mg/L | | | | | | | |
| Selenium | ND | 0.0010 | mg/L | | | | | | | |
| Silver | ND | 0.0001 | mg/L | | | | | | | |
| Thallium | ND | 0.0001 | mg/L | | | | | | | |
| Vanadium | ND | 0.0005 | mg/L | | | | | | | |
| Zinc | ND | 0.0010 | mg/L | | | | | | | |
| **LCS (B508081-BS1)** | | | | Prepared & Analyzed: 08/10/15 | | | | | | |
| Antimony | 0.0478 | 0.0005 | mg/L | 0.0500 | | 95.6 | 85-115 | | | |
| Arsenic | 0.0508 | 0.0005 | mg/L | 0.0500 | | 102 | 85-115 | | | |
| Barium | 0.0484 | 0.0005 | mg/L | 0.0500 | | 96.7 | 85-115 | | | |
| Beryllium | 0.0500 | 0.0005 | mg/L | 0.0500 | | 100 | 85-115 | | | |
| Cadmium | 0.0490 | 0.0001 | mg/L | 0.0500 | | 98.1 | 85-115 | | | |
| Chromium | 0.0497 | 0.0010 | mg/L | 0.0500 | | 99.4 | 85-115 | | | |
| Cobalt | 0.0480 | 0.0001 | mg/L | 0.0500 | | 95.9 | 85-115 | | | |
| Copper | 0.0501 | 0.0001 | mg/L | 0.0500 | | 100 | 85-115 | | | |
| Lead | 0.0473 | 0.0005 | mg/L | 0.0500 | | 94.7 | 85-115 | | | |
| Molybdenum | 0.0489 | 0.0005 | mg/L | 0.0500 | | 97.7 | 85-115 | | | |
| Nickel | 0.0483 | 0.0005 | mg/L | 0.0500 | | 96.7 | 85-115 | | | |
| Selenium | 0.251 | 0.0010 | mg/L | 0.250 | | 100 | 85-115 | | | |
| Silver | 0.0476 | 0.0001 | mg/L | 0.0500 | | 95.2 | 85-115 | | | |
| Thallium | 0.0460 | 0.0001 | mg/L | 0.0500 | | 92.0 | 85-115 | | | |
| Vanadium | 0.0479 | 0.0005 | mg/L | 0.0500 | | 95.8 | 85-115 | | | |
| Zinc | 0.0478 | 0.0010 | mg/L | 0.0500 | | 95.7 | 85-115 | | | |



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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B508081 - Dissolved Metals, E200.7/E200.8** | | | | | | | | | | |
| **LCS Dup (B508081-BSD1)** | | | | Prepared & Analyzed: 08/10/15 | | | | | | |
| Antimony | 0.0505 | 0.0005 | mg/L | 0.0500 | | 101 | 85-115 | 5.45 | 20 | |
| Arsenic | 0.0518 | 0.0005 | mg/L | 0.0500 | | 104 | 85-115 | 1.93 | 20 | |
| Barium | 0.0501 | 0.0005 | mg/L | 0.0500 | | 100 | 85-115 | 3.61 | 20 | |
| Beryllium | 0.0506 | 0.0005 | mg/L | 0.0500 | | 101 | 85-115 | 1.16 | 20 | |
| Cadmium | 0.0504 | 0.0001 | mg/L | 0.0500 | | 101 | 85-115 | 2.73 | 20 | |
| Chromium | 0.0504 | 0.0010 | mg/L | 0.0500 | | 101 | 85-115 | 1.49 | 20 | |
| Cobalt | 0.0475 | 0.0001 | mg/L | 0.0500 | | 95.1 | 85-115 | 0.857 | 20 | |
| Copper | 0.0509 | 0.0001 | mg/L | 0.0500 | | 102 | 85-115 | 1.65 | 20 | |
| Lead | 0.0489 | 0.0005 | mg/L | 0.0500 | | 97.8 | 85-115 | 3.30 | 20 | |
| Molybdenum | 0.0500 | 0.0005 | mg/L | 0.0500 | | 99.9 | 85-115 | 2.23 | 20 | |
| Nickel | 0.0494 | 0.0005 | mg/L | 0.0500 | | 98.8 | 85-115 | 2.15 | 20 | |
| Selenium | 0.256 | 0.0010 | mg/L | 0.250 | | 102 | 85-115 | 2.01 | 20 | |
| Silver | 0.0439 | 0.0001 | mg/L | 0.0500 | | 87.8 | 85-115 | 8.18 | 20 | |
| Thallium | 0.0470 | 0.0001 | mg/L | 0.0500 | | 94.1 | 85-115 | 2.25 | 20 | |
| Vanadium | 0.0473 | 0.0005 | mg/L | 0.0500 | | 94.6 | 85-115 | 1.24 | 20 | |
| Zinc | 0.0492 | 0.0010 | mg/L | 0.0500 | | 98.3 | 85-115 | 2.73 | 20 | |

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|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## Total Mercury by CVAA- Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B508083 - EPA 245.1/7470** | | | | | | | | | | |
| **Blank (B508083-BLK1)** | | | | Prepared & Analyzed: 08/10/15 | | | | | | |
| Mercury | ND | 0.0002 | mg/L | | | | | | | |
| **LCS (B508083-BS1)** | | | | Prepared & Analyzed: 08/10/15 | | | | | | |
| Mercury | 0.0021 | 0.0002 | mg/L | 0.00200 | | 106 | 85-115 | | | |
| **LCS Dup (B508083-BSD1)** | | | | Prepared & Analyzed: 08/10/15 | | | | | | |
| Mercury | 0.0023 | 0.0002 | mg/L | 0.00200 | | 115 | 85-115 | 7.77 | 20 | |

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages . GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.

dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

| | | |
|---|---|---|
| Southern Ute Tribe Environmental | Project: 8/8/15 | |
| PO Box 737 | Project Name / Number: [none] | **Reported:** |
| Ignacio CO, 81137 | Project Manager: Curtis Hartenstein | 08/11/15 16:21 |

## Notes and Definitions

| | |
|---|---|
| B3 | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result. |
| B1 | Target analyte detected in method blank at or above method reporting limit Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry. |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Sample (Blank Spike) |
| RL | Report Limit |
| MDL | Method Detection Limit |



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ED_000552F_00008648-00026

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

GREEN ANALYTICAL Laboratories
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name(optional): S.U.I.T.
Project Contact Person: Curtis Hartenstine
Email: charten@southernute-nsn.gov
Project Name(optional):
Project Number(optional):
Sampler Name (Print): Hartenstine

Bill to (if different):
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax or Email:

ANALYSIS REQUEST: Attached

| For Lab Use | Sample Name or Location | Collected Date | Collected Time | Matrix (check one): GROUNDWATER | SURFACEWATER | WASTEWATER | PRODUCEDWATER | SOIL | OTHER: | # of containers: No preservation (general) | $HNO_3$ | HCl | $H_2SO_4$ | Other: | Other: | Other: | Attached |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1508-098-1 | NAR6 | 8/8/15 | 14:00 | | X | | | | | | | | | | | | X |
| -2 | AR 7-2 | 8/8/15 | 14:30 | | X | | | | | | | | | | | | X |
| -3 | AR 16-0 | 8/8/15 | 15:00 | | X | | | | | | | | | | | | X |
| -4 | AR 19-3 | 8/8/15 | 15:30 | | X | | | | | | | | | | | | X |
| -5 | AR 16-0 Dupe | 8/8/15 | 15:00 | | X | | | | | | | | | | | | X |

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

| Relinquished By: | Date: 8-8-15 Time: 1600 | Received By: Michael Valentine |
|---|---|---|
| Relinquished By: | Date: Time: | Received By: |
| Relinquished By: | Date: Time: | Received By: |

ADDITIONAL REMARKS: 5-Day Rush!

Report to State? (Circle) Yes No

Delivered By: (Circle One)
Sampler - UPS - FedEx - Kangaroo - Other:

Temperature at reciept: 9.0°C on ice
CHECKED BY: MV

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

1810882

**From:** Hartenstine, Curtis [mailto:charten@southernute-nsn.gov]
**Sent:** Saturday, August 08, 2015 8:56 AM
**To:** jacob.miller@greenanalytical.com
**Subject:** Ute WQ Request

Hi Jacob, Thanks for helping us out. This is what we are looking at. It is the same analyte list as EPA. Lert me know if you can perform all or some of this. I can come by today before closing to get bottle sets.
Thanks, Curtis

| PARAMETER | Fraction | UNITS | METHOD | MDL | PQL |
|---|---|---|---|---|---|
| Surface Water | | | | | |
| Aluminum | Trec, D | mg/l | M200.7 ICP | 0.03 | 0.2 |
| Calcium | Trec, D | mg/l | M200.7 ICP | 0.2 | 1 |
| Iron | Trec, D | mg/l | M200.7 ICP | 0.02 | 0.05 |
| Magnesium | Trec, D | mg/l | M200.7 ICP | 0.2 | 1 |
| Potassium | Trec, D | mg/l | M200.7 ICP | | |
| Sodium | Trec, D | mg/l | M200.7 ICP | | |
| | | | | | |
| Silver | Trec, D | mg/l | M200.7 ICP ? | 0.01 | 0.03 |
| Arsenic | Trec, D | mg/l | M200.8 ICP-MS | 0.0005 | 0.002 |
| Cadmium | Trec, D | mg/l | M200.8 ICP-MS | 0.0001 | 0.0005 |
| Copper | Trec, D | mg/l | M200.8 ICP-MS | 0.01 | 0.05 |
| Selenium ? | T and D | mg/l | M200.8 ICP-MS | 0.0001 | 0.0003 |
| Zinc | Trec, D | mg/l | M200.8 ICP-MS | 0.01 | 0.05 |
| Barium | Trec, D | mg/l | M200.8 ICP-MS | | |
| Beryllium | Trec, D | mg/l | M200.8 ICP-MS | | |
| Cobalt | Trec, D | mg/l | M200.8 ICP-MS | | |
| Chromium | Trec, D | mg/l | M200.8 ICP-MS | | |
| Manganese | Trec, D | mg/l | M200.8 ICP-MS | | |
| Molybdenum | Trec, D | mg/l | M200.8 ICP-MS | | |
| Nickel | Trec, D | mg/l | M200.8 ICP-MS | | |
| Lead | Trec, D | mg/l | M200.8 ICP-MS | | |
| Antimony | Trec, D | mg/l | M200.8 ICP-MS | | |
| Selenium | Trec, D | mg/l | M200.8 ICP-MS | | |
| Thallium | Trec, D | mg/l | M200.8 ICP-MS | | |
| Vanadium | Trec, D | mg/l | M200.8 ICP-MS | | |
| Bicarbonate as CaC03 | | mg/l | SM2320B-Titration | 2 | 20 |
| Carbonate as CaC03 | | mg/l | SM2320B-Titration | 2 | 20 |
| Hardness as CaC03 | | mg/l | SM2320B-Calculation | 1 | 7 |
| Residue, Non-Filterable (TSS) @ 150°C | | mg/l | SM2540D | 5 | 20 |

TR

ICP-MS

10 sets