# Analytical Results

**Lab Contact Info:**


ADEQ Laboratory and Monitoring Services
5301 Northshore Drive, North Little Rock, AR 72118
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Lessie Redican
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501-682-0937


Collector: Geological, Arkansas

Project: EVT

Project Description: EVT Routine+Metals 2025 0004-0008

Date and Time Received: 1/7/2025 14:58:00

**Work Order Number: WO-250107-02**

**Sample Receipt Conditions:**

| Condition | Response | Comment |
|---|---|---|
| Is the COC completed properly? | Yes | |
| Temperature on Receipt | 2.2°C | |
| Received on Ice | Yes | |
| Containers are Correct | Yes | |
| Custody Seals | No | |
| COC/Labels Agree | Yes | |

**Data Qualifiers**

| Qualifier Flag | Description |
|---|---|
| R | RPD value does not meet lab acceptance criteria |

# Analytical Results

| | | | |
|---|---|---|---|
| Laboratory Name: | ADEQ Laboratory and Monitoring Services | Email: | ags@arkansas.gov |
| Contact Name: | Geological, Arkansas | Phone: | 501-296-1877 |
| Lab Address: | 5301 Northshore Drive North Little Rock, AR 72118 | Fax: | |

Collector: Geological, Arkansas  Site: SAND-1085-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT
Matrix: Water  Collected: 1/6/2025 14:05
Sample Barcode:  Sample Number: 2025-0004

**Alkalinity as CaCO3**  **Method: EPA 310.2 (Rev. 1974)**  **Analyst: JR**

**Aliquot #: 2025-0004-1-01**  **Batch Number: AB-250108-014**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Alkalinity | 250 | mg/L | | 6.00 | 1 | 1/8/2025 14:33 |

**Ammonia as N**  **Method: SM 4500-NH3 H, 2021**  **Analyst: JR**

**Aliquot #: 2025-0004-1-02**  **Batch Number: AB-250108-002**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Ammonia as Nitrogen | 0.074 | mg/L | | 0.03 | 1 | 1/7/2025 17:21 |

**Anions**  **Method: EPA 300.0 (Rev.2.1, 1993)**  **Analyst: CAC**

**Aliquot #: 2025-0004-1-03**  **Batch Number: AB-250123-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Fluoride | 1.48 | mg/L | | 0.10 | 1 | 1/23/2025 14:44 |
| Chloride | 3.94 | mg/L | | 0.50 | 1 | 1/23/2025 14:44 |
| Bromide | 0.12 | mg/L | | 0.10 | 1 | 1/23/2025 14:44 |
| Sulfate | 7.83 | mg/L | | 0.50 | 1 | 1/23/2025 14:44 |

**Nitrate +Nitrite as N**  **Method: SM 4500-NO3 F, 2019**  **Analyst: JR**

**Aliquot #: 2025-0004-1-04**  **Batch Number: AB-250108-011**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Nitrite+Nitrate as Nitrogen | 0.15 | mg/L | | 0.05 | 1 | 1/7/2025 17:21 |

# Analytical Results

Collector: Geological, Arkansas  Site: SAND-1085-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 14:05

Sample Barcode:  Sample Number: 2025-0004

**Orthophosphate as P**  **Method: SM 4500-P G, 2021**  **Analyst: JR**

**Aliquot #: 2025-0004-1-05**  **Batch Number: AB-250108-008**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Orthophosphate as Phosphorus | <0.020 | mg/L | | 0.02 | 1 | 1/7/2025 17:21 |

**pH**  **Method: SM 4500-H+ B, 2021**  **Analyst: AGS**

**Aliquot #: 2025-0004-1-06**  **Batch Number: AB-250110-009**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| pH | 8.02 | None | | | 1 | 1/6/2025 14:05 |

**Specific Conductance**  **Method: EPA 120.1, 1982**  **Analyst:**

**Aliquot #: 2025-0004-1-07**  **Batch Number: AB-250113-009**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Specific Conductance | 497 | uS/cm | | 1.00 | 1 | 1/8/2025 10:34 |

**Total Dissolved Solids**  **Method: SM 2540 C, 2020**  **Analyst: SD**

**Aliquot #: 2025-0004-1-08**  **Batch Number: AB-250113-015**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 294 | mg/L | | 10.00 | 1 | 1/8/2025 16:00 |

**Water Temperature**  **Method: SM 2550 B, 2000**  **Analyst: AGS**

**Aliquot #: 2025-0004-1-09**  **Batch Number: AB-250110-010**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Water Temperature | 14.2 | °C | | | 1 | 1/6/2025 14:05 |

# Analytical Results

Collector: Geological, Arkansas  Site: SAND-1085-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 14:05

Sample Barcode:  Sample Number: 2025-0004

**Total Suspended Solids**  **Method: SM 2540 D, 2020**  **Analyst: SD**

**Aliquot #: 2025-0004-1-10**  **Batch Number: AB-250113-012**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Suspended Solids | <2.00 | mg/L | | 2.00 | 1 | 1/7/2025 15:20 |

**Turbidity**  **Method: EPA 180.1**  **Analyst:**

**Aliquot #: 2025-0004-1-11**  **Batch Number: AB-250113-006**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Turbidity | 1.08 | NTU | | 0.05 | 1 | 1/8/2025 10:34 |

**Total Kjeldahl Nitrogen as N**  **Method: SM 4500-N(org) C, 2021**  **Analyst: JR**

**Aliquot #: 2025-0004-1-12**  **Batch Number: AB-250108-017**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Kjeldahl Nitrogen | 0.12 | mg/L | | 0.10 | 1 | 1/9/2025 7:36 |

**Total Phosphorus as P**  **Method: SM 4500-P G, 2021**  **Analyst: JR**

**Aliquot #: 2025-0004-1-13**  **Batch Number: AB-250108-021**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Phosphorus | <0.02 | mg/L | | 0.02 | 1 | 1/9/2025 7:36 |

**Dissolved Organic Carbon**  **Method: SM 5310 C, 2014**  **Analyst: SD**

**Aliquot #: 2025-0004-2-01**  **Batch Number: AB-250108-018**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Dissolved Organic Carbon | <1.00 | mg/L | | 1.00 | 1 | 1/8/2025 16:22 |

# Analytical Results

Collector: Geological, Arkansas  Site: SAND-1085-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 14:05

Sample Barcode:  Sample Number: 2025-0004

**ICP/MS Metals (Dissolved)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0004-3-01**  **Batch Number: AB-250212-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00* | ug/L | | 2.00 | 1 | 2/12/2025 11:48 |
| Arsenic | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 11:48 |
| Barium | 19.4* | ug/L | | 1.00 | 1 | 2/12/2025 11:48 |
| Beryllium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 11:48 |
| Cadmium | <0.300* | ug/L | | 0.30 | 1 | 2/12/2025 11:48 |
| Chromium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 11:48 |
| Cobalt | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 11:48 |
| Copper | 2.47* | ug/L | | 0.50 | 1 | 2/12/2025 11:48 |
| Lead | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 11:48 |
| Nickel | 1.38* | ug/L | | 0.50 | 1 | 2/12/2025 11:48 |
| Selenium | <5.00* | ug/L | | 5.00 | 1 | 2/12/2025 11:48 |
| Silver | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 11:48 |
| Thallium | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 11:48 |
| Vanadium | <0.200* | ug/L | | 0.20 | 1 | 2/12/2025 11:48 |
| Zinc | 9.18* | ug/L | | 5.00 | 1 | 2/12/2025 11:48 |

**ICP/OES Metals (Dissolved)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0004-3-02**  **Batch Number: AB-250211-003**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:27 |
| Calcium | 37.7 | mg/L | | 1.00 | 1 | 2/11/2025 12:27 |
| Iron | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:27 |
| Magnesium | 5.89 | mg/L | | 1.00 | 1 | 2/11/2025 12:27 |
| Manganese | <0.0200 | mg/L | | 0.02 | 1 | 2/11/2025 12:27 |
| Potassium | 2.01 | mg/L | | 1.00 | 1 | 2/11/2025 12:27 |
| Sodium | 66.8 | mg/L | | 5.00 | 5 | 2/11/2025 15:01 |
| Hardness | 118 | mg/L | | 1.00 | 1 | 2/11/2025 15:01 |
| Phosphorus | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:27 |

# Analytical Results

Collector: Geological, Arkansas  Site: SAND-1085-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 14:05

Sample Barcode:  Sample Number: 2025-0004

**ICP/MS Metals (Total)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0004-4-01**  **Batch Number: AB-250226-013**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00 | ug/L | | 2.00 | 1 | 2/26/2025 11:32 |
| Arsenic | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:32 |
| Barium | 19.4 | ug/L | | 1.00 | 1 | 2/26/2025 11:32 |
| Beryllium | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:32 |
| Cadmium | <0.300 | ug/L | | 0.30 | 1 | 2/26/2025 11:32 |
| Chromium | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:32 |
| Cobalt | <0.100 | ug/L | | 0.10 | 1 | 2/26/2025 11:32 |
| Copper | 9.68 | ug/L | | 0.50 | 1 | 2/26/2025 11:32 |
| Lead | 0.724 | ug/L | | 0.50 | 1 | 2/26/2025 11:32 |
| Nickel | 1.50 | ug/L | | 0.50 | 1 | 2/26/2025 11:32 |
| Selenium | <5.00 | ug/L | | 5.00 | 1 | 2/26/2025 11:32 |
| Silver | <0.100 | ug/L | | 0.10 | 1 | 2/26/2025 11:32 |
| Thallium | <0.500 | ug/L | | 0.50 | 1 | 2/26/2025 11:32 |
| Vanadium | <0.200 | ug/L | | 0.20 | 1 | 2/26/2025 11:32 |
| Zinc | 24.3 | ug/L | | 5.00 | 1 | 2/26/2025 11:32 |

**ICP/OES Metals (Total)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0004-4-02**  **Batch Number: AB-250305-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100* | mg/L | | 0.10 | 1 | 3/5/2025 11:26 |
| Calcium | 39.7* | mg/L | | 1.00 | 1 | 3/5/2025 11:26 |
| Iron | <0.100* | mg/L | | 0.10 | 1 | 3/5/2025 11:26 |
| Magnesium | 6.25* | mg/L | | 1.00 | 1 | 3/5/2025 11:26 |
| Manganese | <0.0200* | mg/L | | 0.02 | 1 | 3/5/2025 11:26 |
| Potassium | 2.18* | mg/L | | 1.00 | 1 | 3/5/2025 11:26 |
| Sodium | 69.9* | mg/L | | 5.00 | 5 | 3/5/2025 13:47 |
| Phosphorus | <1.00* | mg/L | | 1.00 | 1 | 3/5/2025 11:26 |

# Analytical Results

Collector: Geological, Arkansas  Site: MAY-980-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 15:09

Sample Barcode:  Sample Number: 2025-0005

**Alkalinity as CaCO3**  **Method: EPA 310.2 (Rev. 1974)**  **Analyst: JR**

**Aliquot #: 2025-0005-1-01**  **Batch Number: AB-250108-014**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Alkalinity | 206 | mg/L | | 6.00 | 1 | 1/8/2025 14:34 |

**Ammonia as N**  **Method: SM 4500-NH3 H, 2021**  **Analyst: JR**

**Aliquot #: 2025-0005-1-02**  **Batch Number: AB-250108-002**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Ammonia as Nitrogen | 0.698 | mg/L | | 0.03 | 1 | 1/7/2025 17:22 |

**Anions**  **Method: EPA 300.0 (Rev.2.1, 1993)**  **Analyst: CAC**

**Aliquot #: 2025-0005-1-03**  **Batch Number: AB-250123-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Fluoride | <0.10 | mg/L | | 0.10 | 1 | 1/23/2025 14:53 |
| Chloride | 11.9 | mg/L | | 0.50 | 1 | 1/23/2025 14:53 |
| Bromide | 0.12 | mg/L | | 0.10 | 1 | 1/23/2025 14:53 |
| Sulfate | 2.78 | mg/L | | 0.50 | 1 | 1/23/2025 14:53 |

**Nitrate +Nitrite as N**  **Method: SM 4500-NO3 F, 2019**  **Analyst: JR**

**Aliquot #: 2025-0005-1-04**  **Batch Number: AB-250108-011**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Nitrite+Nitrate as Nitrogen | 4.98 | mg/L | | 0.25 | 5 | 1/7/2025 17:28 |

**Orthophosphate as P**  **Method: SM 4500-P G, 2021**  **Analyst: JR**

**Aliquot #: 2025-0005-1-05**  **Batch Number: AB-250108-008**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Orthophosphate as Phosphorus | <0.020 | mg/L | | 0.02 | 1 | 1/7/2025 17:22 |

# Analytical Results

Collector: Geological, Arkansas  Site: MAY-980-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 15:09

Sample Barcode:  Sample Number: 2025-0005

**pH**  **Method: SM 4500-H+ B, 2021**  **Analyst: AGS**

**Aliquot #: 2025-0005-1-06**  **Batch Number: AB-250110-009**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| pH | 7.52 | None | | | 1 | 1/6/2025 15:09 |

**Specific Conductance**  **Method: EPA 120.1, 1982**  **Analyst:**

**Aliquot #: 2025-0005-1-07**  **Batch Number: AB-250113-009**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Specific Conductance | 478 | uS/cm | | 1.00 | 1 | 1/8/2025 10:36 |

**Total Dissolved Solids**  **Method: SM 2540 C, 2020**  **Analyst: SD**

**Aliquot #: 2025-0005-1-08**  **Batch Number: AB-250113-015**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 278 | mg/L | | 10.00 | 1 | 1/8/2025 16:00 |

**Water Temperature**  **Method: SM 2550 B, 2000**  **Analyst: AGS**

**Aliquot #: 2025-0005-1-09**  **Batch Number: AB-250110-010**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Water Temperature | 4.20 | °C | | | 1 | 1/6/2025 15:09 |

**Total Suspended Solids**  **Method: SM 2540 D, 2020**  **Analyst: SD**

**Aliquot #: 2025-0005-1-10**  **Batch Number: AB-250113-012**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Suspended Solids | <2.00 | mg/L | | 2.00 | 1 | 1/7/2025 15:20 |

# Analytical Results

Collector: Geological, Arkansas  Site: MAY-980-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 15:09

Sample Barcode:  Sample Number: 2025-0005

**Turbidity**  **Method: EPA 180.1**  **Analyst:**

**Aliquot #: 2025-0005-1-11**  **Batch Number: AB-250113-006**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Turbidity | 3.40 | NTU | | 0.05 | 1 | 1/8/2025 10:36 |

**Total Kjeldahl Nitrogen as N**  **Method: SM 4500-N(org) C, 2021**  **Analyst: JR**

**Aliquot #: 2025-0005-1-12**  **Batch Number: AB-250108-017**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Kjeldahl Nitrogen | 0.42 | mg/L | | 0.10 | 1 | 1/9/2025 7:39 |

**Total Phosphorus as P**  **Method: SM 4500-P G, 2021**  **Analyst: JR**

**Aliquot #: 2025-0005-1-13**  **Batch Number: AB-250108-021**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Phosphorus | <0.02 | mg/L | | 0.02 | 1 | 1/9/2025 7:37 |

**Dissolved Organic Carbon**  **Method: SM 5310 C, 2014**  **Analyst: SD**

**Aliquot #: 2025-0005-2-01**  **Batch Number: AB-250108-018**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Dissolved Organic Carbon | <1.00 | mg/L | | 1.00 | 1 | 1/8/2025 16:36 |

# Analytical Results

Collector: Geological, Arkansas  Site: MAY-980-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 15:09

Sample Barcode:  Sample Number: 2025-0005

**ICP/MS Metals (Dissolved)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0005-3-01**  **Batch Number: AB-250212-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00* | ug/L | | 2.00 | 1 | 2/12/2025 11:52 |
| Arsenic | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 11:52 |
| Barium | 31.5* | ug/L | R | 1.00 | 1 | 2/12/2025 11:52 |
| Beryllium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 11:52 |
| Cadmium | 0.578* | ug/L | R | 0.30 | 1 | 2/12/2025 11:52 |
| Chromium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 11:52 |
| Cobalt | 0.791* | ug/L | R | 0.10 | 1 | 2/12/2025 11:52 |
| Copper | 4.08* | ug/L | R | 0.50 | 1 | 2/12/2025 11:52 |
| Lead | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 11:52 |
| Nickel | 6.58* | ug/L | R | 0.50 | 1 | 2/12/2025 11:52 |
| Selenium | <5.00* | ug/L | | 5.00 | 1 | 2/12/2025 11:52 |
| Silver | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 11:52 |
| Thallium | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 11:52 |
| Vanadium | <0.200* | ug/L | | 0.20 | 1 | 2/12/2025 11:52 |
| Zinc | 1740* | ug/L | | 250.00 | 50 | 3/13/2025 15:54 |

**ICP/OES Metals (Dissolved)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0005-3-02**  **Batch Number: AB-250211-003**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:29 |
| Calcium | 87.1 | mg/L | | 5.00 | 5 | 2/11/2025 15:02 |
| Iron | <0.100 | mg/L | R | 0.10 | 1 | 2/11/2025 12:29 |
| Magnesium | 1.75 | mg/L | | 1.00 | 1 | 2/11/2025 12:29 |
| Manganese | <0.0200 | mg/L | | 0.02 | 1 | 2/11/2025 12:29 |
| Potassium | 1.18 | mg/L | | 1.00 | 1 | 2/11/2025 12:29 |
| Sodium | 8.57 | mg/L | | 1.00 | 1 | 2/11/2025 12:29 |
| Hardness | 225 | mg/L | | 1.00 | 1 | 2/11/2025 15:02 |
| Phosphorus | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:29 |

# Analytical Results

Collector: Geological, Arkansas  Site: MAY-980-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/6/2025 15:09

Sample Barcode:  Sample Number: 2025-0005

**ICP/MS Metals (Total)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0005-4-01**  **Batch Number: AB-250226-013**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00 | ug/L | | 2.00 | 1 | 2/26/2025 11:36 |
| Arsenic | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:36 |
| Barium | 32.4 | ug/L | | 1.00 | 1 | 2/26/2025 11:36 |
| Beryllium | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:36 |
| Cadmium | 0.625 | ug/L | R | 0.30 | 1 | 2/26/2025 11:36 |
| Chromium | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:36 |
| Cobalt | 0.811 | ug/L | R | 0.10 | 1 | 2/26/2025 11:36 |
| Copper | 13.5 | ug/L | R | 0.50 | 1 | 2/26/2025 11:36 |
| Lead | 1.88 | ug/L | R | 0.50 | 1 | 2/26/2025 11:36 |
| Nickel | 6.74 | ug/L | R | 0.50 | 1 | 2/26/2025 11:36 |
| Selenium | <5.00 | ug/L | | 5.00 | 1 | 2/26/2025 11:36 |
| Silver | <0.100 | ug/L | | 0.10 | 1 | 2/26/2025 11:36 |
| Thallium | <0.500 | ug/L | | 0.50 | 1 | 2/26/2025 11:36 |
| Vanadium | <0.200 | ug/L | | 0.20 | 1 | 2/26/2025 11:36 |
| Zinc | 1780 | ug/L | | 500.00 | 100 | 2/26/2025 11:36 |

**ICP/OES Metals (Total)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0005-4-02**  **Batch Number: AB-250305-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100* | mg/L | | 0.10 | 1 | 3/5/2025 11:28 |
| Calcium | 91.5* | mg/L | | 5.00 | 5 | 3/5/2025 13:49 |
| Iron | 0.140* | mg/L | R | 0.10 | 1 | 3/5/2025 11:28 |
| Magnesium | 1.87* | mg/L | | 1.00 | 1 | 3/5/2025 11:28 |
| Manganese | <0.0200* | mg/L | | 0.02 | 1 | 3/5/2025 11:28 |
| Potassium | 1.40* | mg/L | | 1.00 | 1 | 3/5/2025 11:28 |
| Sodium | 9.06* | mg/L | | 1.00 | 1 | 3/5/2025 11:28 |
| Phosphorus | <1.00* | mg/L | | 1.00 | 1 | 3/5/2025 11:28 |

# Analytical Results

Collector: Geological, Arkansas  Site: BOWL-18523-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 9:53

Sample Barcode:  Sample Number: 2025-0006

**Alkalinity as CaCO3**  **Method: EPA 310.2 (Rev. 1974)**  **Analyst: JR**

**Aliquot #: 2025-0006-1-01**  **Batch Number: AB-250108-014**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Alkalinity | 745 | mg/L | | 30.00 | 5 | 1/8/2025 14:47 |

**Ammonia as N**  **Method: SM 4500-NH3 H, 2021**  **Analyst: JR**

**Aliquot #: 2025-0006-1-02**  **Batch Number: AB-250108-002**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Ammonia as Nitrogen | 0.209 | mg/L | | 0.03 | 1 | 1/7/2025 17:24 |

**Anions**  **Method: EPA 300.0 (Rev.2.1, 1993)**  **Analyst: CAC**

**Aliquot #: 2025-0006-1-03**  **Batch Number: AB-250123-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Fluoride | 3.54 | mg/L | | 0.10 | 1 | 1/23/2025 15:11 |
| Chloride | 49.2 | mg/L | | 0.50 | 1 | 1/23/2025 15:11 |
| Bromide | 0.34 | mg/L | | 0.10 | 1 | 1/23/2025 15:11 |
| Sulfate | 4.15 | mg/L | | 0.50 | 1 | 1/23/2025 15:11 |

**Nitrate +Nitrite as N**  **Method: SM 4500-NO3 F, 2019**  **Analyst: JR**

**Aliquot #: 2025-0006-1-04**  **Batch Number: AB-250108-011**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Nitrite+Nitrate as Nitrogen | <0.05 | mg/L | | 0.05 | 1 | 1/7/2025 17:24 |

**Orthophosphate as P**  **Method: SM 4500-P G, 2021**  **Analyst: JR**

**Aliquot #: 2025-0006-1-05**  **Batch Number: AB-250108-008**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Orthophosphate as Phosphorus | <0.020 | mg/L | | 0.02 | 1 | 1/7/2025 17:24 |

# Analytical Results

Collector: Geological, Arkansas  Site: BOWL-18523-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 9:53

Sample Barcode:  Sample Number: 2025-0006

**pH**  **Method: SM 4500-H+ B, 2021**  **Analyst: AGS**

**Aliquot #: 2025-0006-1-06**  **Batch Number: AB-250110-009**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| pH | 8.31 | None | | | 1 | 1/7/2025 9:53 |

**Specific Conductance**  **Method: EPA 120.1, 1982**  **Analyst:**

**Aliquot #: 2025-0006-1-07**  **Batch Number: AB-250113-009**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Specific Conductance | 1470 | uS/cm | | 1.00 | 1 | 1/8/2025 10:37 |

**Total Dissolved Solids**  **Method: SM 2540 C, 2020**  **Analyst: SD**

**Aliquot #: 2025-0006-1-08**  **Batch Number: AB-250113-015**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 907 | mg/L | | 10.00 | 1 | 1/8/2025 16:00 |

**Water Temperature**  **Method: SM 2550 B, 2000**  **Analyst: AGS**

**Aliquot #: 2025-0006-1-09**  **Batch Number: AB-250110-010**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Water Temperature | 7.90 | °C | | | 1 | 1/7/2025 9:53 |

**Total Suspended Solids**  **Method: SM 2540 D, 2020**  **Analyst: SD**

**Aliquot #: 2025-0006-1-10**  **Batch Number: AB-250113-012**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Suspended Solids | <2.00 | mg/L | | 2.00 | 1 | 1/7/2025 15:20 |

# Analytical Results

Collector: Geological, Arkansas  Site: BOWL-18523-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 9:53

Sample Barcode:  Sample Number: 2025-0006

**Turbidity**  **Method: EPA 180.1**  **Analyst:**

**Aliquot #: 2025-0006-1-11**  **Batch Number: AB-250113-006**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Turbidity | 0.83 | NTU | | 0.05 | 1 | 1/8/2025 10:37 |

**Total Kjeldahl Nitrogen as N**  **Method: SM 4500-N(org) C, 2021**  **Analyst: JR**

**Aliquot #: 2025-0006-1-12**  **Batch Number: AB-250108-017**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Kjeldahl Nitrogen | 0.26 | mg/L | | 0.10 | 1 | 1/9/2025 7:42 |

**Total Phosphorus as P**  **Method: SM 4500-P G, 2021**  **Analyst: JR**

**Aliquot #: 2025-0006-1-13**  **Batch Number: AB-250108-021**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Phosphorus | <0.02 | mg/L | | 0.02 | 1 | 1/9/2025 7:42 |

**Dissolved Organic Carbon**  **Method: SM 5310 C, 2014**  **Analyst: SD**

**Aliquot #: 2025-0006-2-01**  **Batch Number: AB-250108-018**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Dissolved Organic Carbon | <1.00 | mg/L | | 1.00 | 1 | 1/13/2025 15:17 |

# Analytical Results

Collector: Geological, Arkansas  Site: BOWL-18523-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 9:53

Sample Barcode:  Sample Number: 2025-0006

**ICP/MS Metals (Dissolved)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0006-3-01**  **Batch Number: AB-250212-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00* | ug/L | | 2.00 | 1 | 2/12/2025 12:08 |
| Arsenic | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:08 |
| Barium | 4.61* | ug/L | | 1.00 | 1 | 2/12/2025 12:08 |
| Beryllium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:08 |
| Cadmium | <0.300* | ug/L | | 0.30 | 1 | 2/12/2025 12:08 |
| Chromium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:08 |
| Cobalt | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 12:08 |
| Copper | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:08 |
| Lead | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:08 |
| Nickel | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:08 |
| Selenium | <5.00* | ug/L | | 5.00 | 1 | 2/12/2025 12:08 |
| Silver | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 12:08 |
| Thallium | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:08 |
| Vanadium | <0.200* | ug/L | | 0.20 | 1 | 2/12/2025 12:08 |
| Zinc | <5.00* | ug/L | | 5.00 | 1 | 2/12/2025 12:08 |

**ICP/OES Metals (Dissolved)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0006-3-02**  **Batch Number: AB-250211-003**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:35 |
| Calcium | 13.1 | mg/L | | 1.00 | 1 | 2/11/2025 12:35 |
| Iron | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:35 |
| Magnesium | 2.65 | mg/L | | 1.00 | 1 | 2/11/2025 12:35 |
| Manganese | <0.0200 | mg/L | | 0.02 | 1 | 2/11/2025 12:35 |
| Potassium | 4.27 | mg/L | | 1.00 | 1 | 2/11/2025 12:35 |
| Sodium | 344 | mg/L | | 10.00 | 10 | 2/11/2025 15:05 |
| Hardness | 43.7 | mg/L | | 1.00 | 1 | 2/11/2025 15:05 |
| Phosphorus | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:35 |

# Analytical Results

Collector: Geological, Arkansas  Site: BOWL-18523-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 9:53

Sample Barcode:  Sample Number: 2025-0006

**ICP/MS Metals (Total)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0006-4-01**  **Batch Number: AB-250226-013**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00 | ug/L | | 2.00 | 1 | 2/26/2025 11:52 |
| Arsenic | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:52 |
| Barium | 4.64 | ug/L | | 1.00 | 1 | 2/26/2025 11:52 |
| Beryllium | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:52 |
| Cadmium | <0.300 | ug/L | | 0.30 | 1 | 2/26/2025 11:52 |
| Chromium | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 11:52 |
| Cobalt | <0.100 | ug/L | | 0.10 | 1 | 2/26/2025 11:52 |
| Copper | 3.55 | ug/L | | 0.50 | 1 | 2/26/2025 11:52 |
| Lead | <0.500 | ug/L | | 0.50 | 1 | 2/26/2025 11:52 |
| Nickel | <0.500 | ug/L | | 0.50 | 1 | 2/26/2025 11:52 |
| Selenium | <5.00 | ug/L | | 5.00 | 1 | 2/26/2025 11:52 |
| Silver | <0.100 | ug/L | | 0.10 | 1 | 2/26/2025 11:52 |
| Thallium | <0.500 | ug/L | | 0.50 | 1 | 2/26/2025 11:52 |
| Vanadium | <0.200 | ug/L | | 0.20 | 1 | 2/26/2025 11:52 |
| Zinc | <5.00 | ug/L | | 5.00 | 1 | 2/26/2025 11:52 |

**ICP/OES Metals (Total)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0006-4-02**  **Batch Number: AB-250305-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100* | mg/L | | 0.10 | 1 | 3/5/2025 11:34 |
| Calcium | 13.6* | mg/L | | 1.00 | 1 | 3/5/2025 11:34 |
| Iron | <0.100* | mg/L | | 0.10 | 1 | 3/5/2025 11:34 |
| Magnesium | 2.78* | mg/L | | 1.00 | 1 | 3/5/2025 11:34 |
| Manganese | <0.0200* | mg/L | | 0.02 | 1 | 3/5/2025 11:34 |
| Potassium | 4.45* | mg/L | | 1.00 | 1 | 3/5/2025 11:34 |
| Sodium | 358* | mg/L | | 10.00 | 10 | 3/5/2025 13:52 |
| Phosphorus | <1.00* | mg/L | | 1.00 | 1 | 3/5/2025 11:34 |

# Analytical Results

Collector: Geological, Arkansas  Site: YOU-18515-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 10:28

Sample Barcode:  Sample Number: 2025-0007

**Alkalinity as CaCO3**  **Method: EPA 310.2 (Rev. 1974)**  **Analyst: JR**

**Aliquot #: 2025-0007-1-01**  **Batch Number: AB-250108-014**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Alkalinity | 119 | mg/L | | 6.00 | 1 | 1/8/2025 14:39 |

**Ammonia as N**  **Method: SM 4500-NH3 H, 2021**  **Analyst: JR**

**Aliquot #: 2025-0007-1-02**  **Batch Number: AB-250108-002**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Ammonia as Nitrogen | <0.030 | mg/L | | 0.03 | 1 | 1/7/2025 17:27 |

**Anions**  **Method: EPA 300.0 (Rev.2.1, 1993)**  **Analyst: CAC**

**Aliquot #: 2025-0007-1-03**  **Batch Number: AB-250123-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Fluoride | <0.10 | mg/L | | 0.10 | 1 | 1/23/2025 15:29 |
| Chloride | 6.14 | mg/L | | 0.50 | 1 | 1/23/2025 15:29 |
| Bromide | <0.10 | mg/L | | 0.10 | 1 | 1/23/2025 15:29 |
| Sulfate | 1.68 | mg/L | | 0.50 | 1 | 1/23/2025 15:29 |

**Nitrate +Nitrite as N**  **Method: SM 4500-NO3 F, 2019**  **Analyst: JR**

**Aliquot #: 2025-0007-1-04**  **Batch Number: AB-250108-011**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Nitrite+Nitrate as Nitrogen | 4.45 | mg/L | | 0.05 | 1 | 1/7/2025 17:27 |

**Orthophosphate as P**  **Method: SM 4500-P G, 2021**  **Analyst: JR**

**Aliquot #: 2025-0007-1-05**  **Batch Number: AB-250108-008**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Orthophosphate as Phosphorus | <0.020 | mg/L | | 0.02 | 1 | 1/7/2025 17:27 |

# Analytical Results

Collector: Geological, Arkansas  Site: YOU-18515-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 10:28

Sample Barcode:  Sample Number: 2025-0007

**pH**  **Method: SM 4500-H+ B, 2021**  **Analyst: AGS**

**Aliquot #: 2025-0007-1-06**  **Batch Number: AB-250110-009**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| pH | 6.93 | None | | | 1 | 1/7/2025 10:28 |

**Specific Conductance**  **Method: EPA 120.1, 1982**  **Analyst:**

**Aliquot #: 2025-0007-1-07**  **Batch Number: AB-250113-009**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Specific Conductance | 281 | uS/cm | | 1.00 | 1 | 1/8/2025 10:43 |

**Total Dissolved Solids**  **Method: SM 2540 C, 2020**  **Analyst: SD**

**Aliquot #: 2025-0007-1-08**  **Batch Number: AB-250113-015**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 167 | mg/L | | 10.00 | 1 | 1/8/2025 16:00 |

**Water Temperature**  **Method: SM 2550 B, 2000**  **Analyst: AGS**

**Aliquot #: 2025-0007-1-09**  **Batch Number: AB-250110-010**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Water Temperature | 11.2 | °C | | | 1 | 1/7/2025 10:28 |

**Total Suspended Solids**  **Method: SM 2540 D, 2020**  **Analyst: SD**

**Aliquot #: 2025-0007-1-10**  **Batch Number: AB-250113-012**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Suspended Solids | <2.00 | mg/L | | 2.00 | 1 | 1/7/2025 15:20 |

# Analytical Results

Collector: Geological, Arkansas  Site: YOU-18515-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 10:28

Sample Barcode:  Sample Number: 2025-0007

**Turbidity**  **Method: EPA 180.1**  **Analyst:**

**Aliquot #: 2025-0007-1-11**  **Batch Number: AB-250113-006**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Turbidity | 3.79 | NTU | | 0.05 | 1 | 1/8/2025 10:43 |

**Total Kjeldahl Nitrogen as N**  **Method: SM 4500-N(org) C, 2021**  **Analyst: JR**

**Aliquot #: 2025-0007-1-12**  **Batch Number: AB-250108-017**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Kjeldahl Nitrogen | <0.10 | mg/L | | 0.10 | 1 | 1/9/2025 7:44 |

**Total Phosphorus as P**  **Method: SM 4500-P G, 2021**  **Analyst: JR**

**Aliquot #: 2025-0007-1-13**  **Batch Number: AB-250108-021**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Total Phosphorus | <0.02 | mg/L | | 0.02 | 1 | 1/9/2025 7:44 |

**Dissolved Organic Carbon**  **Method: SM 5310 C, 2014**  **Analyst: SD**

**Aliquot #: 2025-0007-2-01**  **Batch Number: AB-250108-018**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Dissolved Organic Carbon | <1.00 | mg/L | | 1.00 | 1 | 1/8/2025 18:03 |

# Analytical Results

Collector: Geological, Arkansas  Site: YOU-18515-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 10:28

Sample Barcode:  Sample Number: 2025-0007

**ICP/MS Metals (Dissolved)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0007-3-01**  **Batch Number: AB-250212-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00* | ug/L | | 2.00 | 1 | 2/12/2025 12:24 |
| Arsenic | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:24 |
| Barium | 25.1* | ug/L | | 1.00 | 1 | 2/12/2025 12:24 |
| Beryllium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:24 |
| Cadmium | <0.300* | ug/L | | 0.30 | 1 | 2/12/2025 12:24 |
| Chromium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:24 |
| Cobalt | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 12:24 |
| Copper | 5.34* | ug/L | | 0.50 | 1 | 2/12/2025 12:24 |
| Lead | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:24 |
| Nickel | 0.757* | ug/L | | 0.50 | 1 | 2/12/2025 12:24 |
| Selenium | <5.00* | ug/L | | 5.00 | 1 | 2/12/2025 12:24 |
| Silver | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 12:24 |
| Thallium | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:24 |
| Vanadium | <0.200* | ug/L | | 0.20 | 1 | 2/12/2025 12:24 |
| Zinc | 331* | ug/L | | 50.00 | 10 | 2/12/2025 12:24 |

**ICP/OES Metals (Dissolved)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0007-3-02**  **Batch Number: AB-250211-003**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:41 |
| Calcium | 47.5 | mg/L | | 1.00 | 1 | 2/11/2025 12:41 |
| Iron | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:41 |
| Magnesium | 1.06 | mg/L | | 1.00 | 1 | 2/11/2025 12:41 |
| Manganese | <0.0200 | mg/L | | 0.02 | 1 | 2/11/2025 12:41 |
| Potassium | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:41 |
| Sodium | 6.84 | mg/L | | 1.00 | 1 | 2/11/2025 12:41 |
| Hardness | 123 | mg/L | | 1.00 | 1 | 2/11/2025 12:41 |
| Phosphorus | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:41 |

# Analytical Results

Collector: Geological, Arkansas  Site: YOU-18515-W-01  **Work Order Number: WO-250107-02**

Sample Classification: Routine Monitoring  Project: EVT

Matrix: Water  Collected: 1/7/2025 10:28

Sample Barcode:  Sample Number: 2025-0007

**ICP/MS Metals (Total)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0007-4-01**  **Batch Number: AB-250226-013**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00 | ug/L | | 2.00 | 1 | 2/26/2025 12:12 |
| Arsenic | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 12:12 |
| Barium | 25.5 | ug/L | | 1.00 | 1 | 2/26/2025 12:12 |
| Beryllium | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 12:12 |
| Cadmium | <0.300 | ug/L | | 0.30 | 1 | 2/26/2025 12:12 |
| Chromium | <1.00 | ug/L | | 1.00 | 1 | 2/26/2025 12:12 |
| Cobalt | <0.100 | ug/L | | 0.10 | 1 | 2/26/2025 12:12 |
| Copper | 29.9 | ug/L | | 0.50 | 1 | 2/26/2025 12:12 |
| Lead | 2.46 | ug/L | | 0.50 | 1 | 2/26/2025 12:12 |
| Nickel | 0.800 | ug/L | | 0.50 | 1 | 2/26/2025 12:12 |
| Selenium | <5.00 | ug/L | | 5.00 | 1 | 2/26/2025 12:12 |
| Silver | <0.100 | ug/L | | 0.10 | 1 | 2/26/2025 12:12 |
| Thallium | <0.500 | ug/L | | 0.50 | 1 | 2/26/2025 12:12 |
| Vanadium | <0.200 | ug/L | | 0.20 | 1 | 2/26/2025 12:12 |
| Zinc | 346 | ug/L | | 50.00 | 10 | 2/26/2025 12:12 |

**ICP/OES Metals (Total)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0007-4-02**  **Batch Number: AB-250305-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100* | mg/L | | 0.10 | 1 | 3/5/2025 11:41 |
| Calcium | 49.1* | mg/L | | 1.00 | 1 | 3/5/2025 11:41 |
| Iron | 0.232* | mg/L | | 0.10 | 1 | 3/5/2025 11:41 |
| Magnesium | 1.11* | mg/L | | 1.00 | 1 | 3/5/2025 11:41 |
| Manganese | <0.0200* | mg/L | | 0.02 | 1 | 3/5/2025 11:41 |
| Potassium | <1.00* | mg/L | | 1.00 | 1 | 3/5/2025 11:41 |
| Sodium | 7.17* | mg/L | | 1.00 | 1 | 3/5/2025 11:41 |
| Phosphorus | <1.00* | mg/L | | 1.00 | 1 | 3/5/2025 11:41 |

# Analytical Results

Collector: Geological, Arkansas  Site: Metals Field Blank  **Work Order Number: WO-250107-02**

Sample Classification: Special  Project: EVT

Matrix: Water  Collected: 1/7/2025 10:28

Sample Barcode:  Sample Number: 2025-0008

**ICP/MS Metals (Dissolved)**  **Method: EPA 200.8 (Rev. 5.4, 1994)**  **Analyst: PH**

**Aliquot #: 2025-0008-1-01**  **Batch Number: AB-250212-001**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Antimony | <2.00* | ug/L | | 2.00 | 1 | 2/12/2025 12:28 |
| Arsenic | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:28 |
| Barium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:28 |
| Beryllium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:28 |
| Cadmium | <0.300* | ug/L | | 0.30 | 1 | 2/12/2025 12:28 |
| Chromium | <1.00* | ug/L | | 1.00 | 1 | 2/12/2025 12:28 |
| Cobalt | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 12:28 |
| Copper | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:28 |
| Lead | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:28 |
| Nickel | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:28 |
| Selenium | <5.00* | ug/L | | 5.00 | 1 | 2/12/2025 12:28 |
| Silver | <0.100* | ug/L | | 0.10 | 1 | 2/12/2025 12:28 |
| Thallium | <0.500* | ug/L | | 0.50 | 1 | 2/12/2025 12:28 |
| Vanadium | <0.200* | ug/L | | 0.20 | 1 | 2/12/2025 12:28 |
| Zinc | <5.00* | ug/L | | 5.00 | 1 | 2/12/2025 12:28 |

**ICP/OES Metals (Dissolved)**  **Method: EPA 200.7**  **Analyst: PH**

**Aliquot #: 2025-0008-1-02**  **Batch Number: AB-250211-003**

| Analyte(s) | Result | Units | Q | Reporting Limit | Dilution | Analysis Date and Time |
|---|---|---|---|---|---|---|
| Aluminum | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:43 |
| Calcium | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:43 |
| Iron | <0.100 | mg/L | | 0.10 | 1 | 2/11/2025 12:43 |
| Magnesium | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:43 |
| Manganese | <0.0200 | mg/L | | 0.02 | 1 | 2/11/2025 12:43 |
| Potassium | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:43 |
| Sodium | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:43 |
| Hardness | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:43 |
| Phosphorus | <1.00 | mg/L | | 1.00 | 1 | 2/11/2025 12:43 |

# QUALITY CONTROL REPORT

Project: EVT Routine+Metals 2025 0004-0008 Date and Time Received: 1/7/2025 14:58:00

| Analyte | Units | Method Blank | Reporting Limit | % Recovery LCS/LCSD | Limits | % RPD | Lab Dup Result | Limits | % RPD | % Recovery MS/MSD | Limits | % RPD | Limits | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ammonia as N** | | **SM 4500-NH3 H, 2021** | | | | | **Batch #:** | **AB-250108-002** | | **Parent Sample:** | | **2025-0001** | | |
| | mg/L | <0.03 | 0.03 | 95.2 / | 80-120 | | | - | | 96.1 / 94.9 | 80-120 | 1.2 | - | |
| **Orthophosphate as P** | | **SM 4500-P G, 2021** | | | | | **Batch #:** | **AB-250108-008** | | **Parent Sample:** | | **2025-0001** | | |
| | mg/L | <0.02 | 0.02 | 98.5 / | 80-120 | | | - | | 92.1 / 92.1 | 80-120 | 0.0 | - | |
| **Nitrate +Nitrite as N** | | **SM 4500-NO3 F, 2019** | | | | | **Batch #:** | **AB-250108-011** | | **Parent Sample:** | | **2025-0001** | | |
| | mg/L | <0.05 | 0.05 | 99.2 / | 80-120 | | | - | | 100.2 / 98.3 | 80-120 | 1.6 | - | |
| **Alkalinity as CaCO3** | | **EPA 310.2 (Rev. 1974)** | | | | | **Batch #:** | **AB-250108-014** | | **Parent Sample:** | | | | |
| | mg/L | <6.00 | 6.00 | 95.9 / | 90-110 | | | - | | / | - | | - | |
| | | **SM 4500-N(org) C, 2021** | | | | | **Batch #:** | **AB-250108-017** | | **Parent Sample:** | | **2025-0001** | | |
| | mg/L | <0.10 | 0.10 | 103.0 / | 85-115 | | | - | | 101.7 / 105.7 | 80-120 | 3.7 | - | |
| | | **SM 5310 C, 2014** | | | | | **Batch #:** | **AB-250108-018** | | **Parent Sample:** | | **2025-0005** | | |
| | mg/L | <1.00 | 1,000.00 | 102.4 / | 85-115 | | | - | | 93.6 / 90.2 | 80-120 | 3.5 | - | |
| | | **SM 4500-P G, 2021** | | | | | **Batch #:** | **AB-250108-021** | | **Parent Sample:** | | **2025-0001** | | |
| | mg/L | <0.02 | 0.02 | 96.5 / | 85-115 | | | - | | 94.1 / 96.6 | 80-120 | 2.6 | - | |
| **Turbidity** | | **EPA 180.1** | | | | | **Batch #:** | **AB-250113-006** | | **Parent Sample:** | | | | |
| | NTU | <0.05 | 0.05 | 105.6 / | 90-110 | | | - | | / | - | | - | |
| **Specific Conductance** | | **EPA 120.1, 1982** | | | | | **Batch #:** | **AB-250113-009** | | **Parent Sample:** | | | | |
| | uS/cm | <1.00 | 1.00 | 100.1 / | 95-105 | | | - | | / | - | | - | |
| **Total Suspended Solids** | | **SM 2540 D, 2020** | | | | | **Batch #:** | **AB-250113-012** | | **Parent Sample:** | | | | |
| | mg/L | <2.00 | 2.00 | 95.5 / | 90-110 | | | - | | / | - | | - | |
| **Total Dissolved Solids** | | **SM 2540 C, 2020** | | | | | **Batch #:** | **AB-250113-015** | | **Parent Sample:** | | | | |
| | mg/L | <10.0 | 10.00 | 100.5 / | 90-110 | | | - | | / | - | | - | |
| **Anions** | | **EPA 300.0 (Rev.2.1, 1993)** | | | | | **Batch #:** | **AB-250123-001** | | **Parent Sample:** | | **2025-0001** | | |
| Br | mg/L | <0.10 | 0.10 | 95.1 / | 90-110 | | | - | | 98.6 / 94.1 | 80-120 | 4.5 | - | |
| Cl | mg/L | <0.50 | 0.50 | 101.2 / | 90-110 | | | - | | 99.2 / 100.5 | 80-120 | 1.1 | - | |
| F | mg/L | <0.10 | 0.10 | 101.3 / | 90-110 | | | - | | 101.7 / 103.2 | 80-120 | 1.4 | - | |
| SO4 | mg/L | <0.50 | 0.50 | 101.7 / | 90-110 | | | - | | 98.4 / 99.6 | 80-120 | 0.7 | - | |
| **ICP/OES Metals (Dissolved)** | | **EPA 200.7** | | | | | **Batch #:** | **AB-250211-003** | | **Parent Sample:** | | **2025-0005** | | |
| Al | mg/L | <0.100 | 0.10 | 99.5 / | 85-115 | | | - | | 95.1 / 97.4 | 70-131 | 2.3 | - | |

| Analyte | Units | Method Blank | Reporting Limit | % Recovery LCS/LCSD | Limits | % RPD | Lab Dup Result | Limits | % RPD | % Recovery MS/MSD | Limits | % RPD | Limits | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ca | mg/L | <1.00 | 1.00 | 101.6 / | 85-115 | | | - | | 85.1 / 85.1 | 70-131 | 0.0 | - | |
| Fe | mg/L | <0.100 | 0.10 | 101.6 / | 85-115 | | | - | | 94.5 / 97.1 | 70-131 | 2.6 | - | |
| K | mg/L | <1.00 | 1.00 | 97.3 / | 85-115 | | | - | | 94.9 / 96.9 | 70-131 | 1.9 | - | |
| Mg | mg/L | <1.00 | 1.00 | 102.4 / | 85-115 | | | - | | 95.8 / 98.2 | 70-131 | 2.0 | - | |
| Mn | mg/L | <0.0200 | 0.02 | 102.7 / | 85-115 | | | - | | 95.1 / 97.5 | 70-131 | 2.4 | - | |
| Na | mg/L | <1.00 | 1.00 | 102.1 / | 85-115 | | | - | | 98.9 / 100.5 | 70-131 | 0.9 | - | |
| P | mg/L | <1.00 | 1.00 | 100.1 / | 85-115 | | | - | | 97.0 / 99.4 | 70-131 | 2.5 | - | |
| **ICP/MS Metals (Dissolved)** | | **EPA 200.8 (Rev. 5.4, 1994)** | | | | | **Batch #:** | **AB-250212-001** | | **Parent Sample:** | | **2025-0005** | | |
| Ag | ug/L | <0.100 | 0.10 | 90.1 / | 85-115 | | | - | | 81.7 / 85.0 | 70-130 | 4.0 | - | |
| As | ug/L | <1.00 | 1.00 | 97.8 / | 85-115 | | | - | | 95.9 / 98.0 | 70-130 | 2.2 | - | |
| Ba | ug/L | <1.00 | 1.00 | 95.4 / | 85-115 | | | - | | 88.4 / 93.8 | 70-130 | 3.5 | - | |
| Be | ug/L | <1.00 | 1.00 | 98.8 / | 85-115 | | | - | | 98.8 / 98.0 | 70-130 | 0.8 | - | |
| Cd | ug/L | <0.300 | 0.30 | 99.0 / | 85-115 | | | - | | 93.4 / 96.2 | 70-130 | 2.8 | - | |
| Co | ug/L | <0.100 | 0.10 | 91.9 / | 85-115 | | | - | | 83.4 / 86.1 | 70-130 | 2.7 | - | |
| Cr | ug/L | <1.00 | 1.00 | 94.5 / | 85-115 | | | - | | 89.5 / 91.8 | 70-130 | 2.5 | - | |
| Cu | ug/L | <0.500 | 0.50 | 89.6 / | 85-115 | | | - | | 79.2 / 81.4 | 70-130 | 2.3 | - | |
| Ni | ug/L | <0.500 | 0.50 | 90.5 / | 85-115 | | | - | | 81.7 / 83.4 | 70-130 | 1.5 | - | |
| Pb | ug/L | <0.500 | 0.50 | 99.1 / | 85-115 | | | - | | 95.7 / 98.2 | 70-130 | 2.4 | - | |
| Sb | ug/L | <2.00 | 2.00 | 101.2 / | 85-115 | | | - | | 98.0 / 100.5 | 70-130 | 2.6 | - | |
| Se | ug/L | <5.00 | 5.00 | 99.7 / | 85-115 | | | - | | 98.4 / 101.0 | 70-130 | 2.6 | - | |
| Tl | ug/L | <0.500 | 0.50 | 96.7 / | 85-115 | | | - | | 95.6 / 97.3 | 70-130 | 1.7 | - | |
| V | ug/L | <0.200 | 0.20 | 93.8 / | 85-115 | | | - | | 89.8 / 92.0 | 70-130 | 2.3 | - | |
| Zn | ug/L | <5.00 | 5.00 | 98.6 / | 85-115 | | | - | | 5.4 / -21.6 | 70-130 | 0.4 | - | |
| | | **EPA 200.8 (Rev. 5.4, 1994)** | | | | | **Batch #:** | **AB-250226-013** | | **Parent Sample:** | | **2025-0005** | | |
| Ag | ug/L | <0.100 | 0.10 | 87.4 / | 85-115 | | | - | | 83.9 / 83.8 | 70-130 | 0.1 | - | |
| As | ug/L | <1.00 | 1.00 | 97.5 / | 85-115 | | | - | | 101.0 / 101.3 | 70-130 | 0.3 | - | |
| Ba | ug/L | <1.00 | 1.00 | 94.1 / | 85-115 | | | - | | 91.6 / 91.4 | 70-130 | 0.1 | - | |
| Be | ug/L | <1.00 | 1.00 | 99.9 / | 85-115 | | | - | | 101.7 / 103.8 | 70-130 | 2.0 | - | |
| Cd | ug/L | <0.300 | 0.30 | 97.3 / | 85-115 | | | - | | 98.3 / 98.6 | 70-130 | 0.3 | - | |
| Co | ug/L | <0.100 | 0.10 | 89.9 / | 85-115 | | | - | | 83.8 / 84.7 | 70-130 | 0.9 | - | |
| Cr | ug/L | <1.00 | 1.00 | 93.1 / | 85-115 | | | - | | 89.9 / 90.7 | 70-130 | 0.8 | - | |
| Cu | ug/L | <0.500 | 0.50 | 87.8 / | 85-115 | | | - | | 80.0 / 78.6 | 70-130 | 1.1 | - | |
| Ni | ug/L | <0.500 | 0.50 | 89.2 / | 85-115 | | | - | | 83.1 / 81.8 | 70-130 | 1.2 | - | |
| Pb | ug/L | <0.500 | 0.50 | 97.0 / | 85-115 | | | - | | 96.6 / 95.9 | 70-130 | 0.4 | - | |
| Sb | ug/L | <2.00 | 2.00 | 100.5 / | 85-115 | | | - | | 103.0 / 102.0 | 70-130 | 0.9 | - | |
| Se | ug/L | <5.00 | 5.00 | 99.6 / | 85-115 | | | - | | 108.4 / 108.0 | 70-130 | 0.4 | - | |
| Tl | ug/L | <0.500 | 0.50 | 95.0 / | 85-115 | | | - | | 97.2 / 95.7 | 70-130 | 1.5 | - | |
| V | ug/L | <0.200 | 0.20 | 92.1 / | 85-115 | | | - | | 91.1 / 91.5 | 70-130 | 0.4 | - | |
| Zn | ug/L | <5.00 | 5.00 | 98.5 / | 85-115 | | | - | | -151.6 / -163.7 | 70-130 | 0.2 | - | |

| Analyte | Units | Method Blank | Reporting Limit | % Recovery LCS/LCSD | Limits | % RPD | Lab Dup Result | Limits | % RPD | % Recovery MS/MSD | Limits | % RPD | Limits | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **EPA 200.7** | | | | | **Batch #:** | **AB-250305-001** | | | **Parent Sample:** | **2025-0005** | | |
| Al | mg/L | <0.100 | 0.10 | 100.8 / | 85-115 | | - | | | 102.2 / 101.7 | 70-130 | 0.5 | - | |
| Ca | mg/L | <1.00 | 1.00 | 102.1 / | 85-115 | | - | | | 90.9 / 78.0 | 70-130 | 1.3 | - | |
| Fe | mg/L | <0.100 | 0.10 | 102.7 / | 85-115 | | - | | | 99.9 / 99.3 | 70-130 | 0.5 | - | |
| K | mg/L | <1.00 | 1.00 | 100.6 / | 85-115 | | - | | | 101.1 / 99.6 | 70-130 | 1.4 | - | |
| Mg | mg/L | <1.00 | 1.00 | 103.7 / | 85-115 | | - | | | 101.7 / 100.9 | 70-130 | 0.6 | - | |
| Mn | mg/L | <0.0200 | 0.02 | 102.0 / | 85-115 | | - | | | 98.9 / 98.4 | 70-130 | 0.5 | - | |
| Na | mg/L | <1.00 | 1.00 | 104.1 / | 85-115 | | - | | | 105.6 / 103.7 | 70-130 | 1.0 | - | |
| P | mg/L | <1.00 | 1.00 | 103.3 / | 85-115 | | - | | | 105.2 / 105.1 | 70-130 | 0.2 | - | |

# FIELD QUALITY CONTROL REPORT

**Work Order #** WO-250107-02 **Parent Sample** 2025-0005

| Analyte(s) | Parent Sample Result | Field Dup Result | Units | % RPD | Limits | Batch Number |
|---|---|---|---|---|---|---|
| **Aliquot #** | AB-250108-002 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0005-1-02 | |
| Ammonia as Nitrogen | | 0.71 | mg/L | 1.28 | 0 - 20 | AB-250108-002 |
| **Aliquot #** | AB-250108-002 Dup - Field 3 | | **Parent Aliquot #** | | 2025-0006-1-02 | |
| Ammonia as Nitrogen | | 0.21 | mg/L | 0.95 | 0 - 20 | AB-250108-002 |
| **Aliquot #** | AB-250108-008 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0005-1-05 | |
| Orthophosphate as Phosphorus | | <0.02 | mg/L | 0.00 | 0 - 20 | AB-250108-008 |
| **Aliquot #** | AB-250108-008 Dup - Field 3 | | **Parent Aliquot #** | | 2025-0006-1-05 | |
| Orthophosphate as Phosphorus | | <0.02 | mg/L | 0.00 | 0 - 20 | AB-250108-008 |
| **Aliquot #** | AB-250108-011 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0005-1-04 | |
| Nitrite+Nitrate as Nitrogen | | 5.00 | mg/L | 0.50 | 0 - 20 | AB-250108-011 |
| **Aliquot #** | AB-250108-011 Dup - Field 3 | | **Parent Aliquot #** | | 2025-0006-1-04 | |
| Nitrite+Nitrate as Nitrogen | | <0.05 | mg/L | 0.00 | 0 - 20 | AB-250108-011 |
| **Aliquot #** | AB-250108-014 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0005-1-01 | |
| Alkalinity | | 205 | mg/L | 0.49 | 0 - 20 | AB-250108-014 |
| **Aliquot #** | AB-250108-014 Dup - Field 3 | | **Parent Aliquot #** | | 2025-0006-1-01 | |
| Alkalinity | | 755 | mg/L | 1.33 | 0 - 20 | AB-250108-014 |
| **Aliquot #** | AB-250108-017 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0005-1-12 | |
| Total Kjeldahl Nitrogen | | 0.10 | mg/L | 123.81 | 0 - 20 | AB-250108-017 |
| **Aliquot #** | AB-250108-017 Dup - Field 3 | | **Parent Aliquot #** | | 2025-0006-1-12 | |
| Total Kjeldahl Nitrogen | | 0.25 | mg/L | 1.74 | 0 - 20 | AB-250108-017 |
| **Aliquot #** | AB-250108-018 Dup - Field 1 | | **Parent Aliquot #** | | 2025-0005-2-01 | |
| Dissolved Organic Carbon | | <1.00 | mg/L | 13.05 | 0 - 20 | AB-250108-018 |
| **Aliquot #** | AB-250108-018 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0006-2-01 | |
| Dissolved Organic Carbon | | <1.00 | mg/L | 3.35 | 0 - 20 | AB-250108-018 |
| **Aliquot #** | AB-250108-021 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0005-1-13 | |
| Total Phosphorus | | <0.02 | mg/L | 0.00 | 0 - 20 | AB-250108-021 |
| **Aliquot #** | AB-250108-021 Dup - Field 3 | | **Parent Aliquot #** | | 2025-0006-1-13 | |
| Total Phosphorus | | 0.02 | mg/L | 17.26 | 0 - 20 | AB-250108-021 |
| **Aliquot #** | AB-250110-009 Dup - Field 1 | | **Parent Aliquot #** | | 2025-0005-1-06 | |
| pH | | 7.52 | units | 0.00 | 0 - 20 | AB-250110-009 |
| **Aliquot #** | AB-250110-009 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0006-1-06 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| pH | | 8.31 | units | 0.00 | 0 - 20 | AB-250110-009 |
| **Aliquot #** | AB-250110-010 Dup - Field 1 | | **Parent Aliquot #** | 2025-0005-1-09 | | |
| Water Temperature | | 4.20 | °C | 0.00 | 0 - 20 | AB-250110-010 |
| **Aliquot #** | AB-250110-010 Dup - Field 2 | | **Parent Aliquot #** | 2025-0006-1-09 | | |
| Water Temperature | | 7.90 | °C | 0.00 | 0 - 20 | AB-250110-010 |
| **Aliquot #** | AB-250113-006 Dup - Field 1 | | **Parent Aliquot #** | 2025-0005-1-11 | | |
| Turbidity | | 3.68 | NTU | 7.91 | 0 - 20 | AB-250113-006 |
| **Aliquot #** | AB-250113-006 Dup - Field 2 | | **Parent Aliquot #** | 2025-0006-1-11 | | |
| Turbidity | | 0.86 | NTU | 3.55 | 0 - 20 | AB-250113-006 |
| **Aliquot #** | AB-250113-009 Dup - Field 1 | | **Parent Aliquot #** | 2025-0005-1-07 | | |
| Specific Conductance | | 481 | uS/cm | 0.63 | 0 - 20 | AB-250113-009 |
| **Aliquot #** | AB-250113-009 Dup - Field 2 | | **Parent Aliquot #** | 2025-0006-1-07 | | |
| Specific Conductance | | 1470 | uS/cm | 0.34 | 0 - 20 | AB-250113-009 |
| **Aliquot #** | AB-250113-012 Dup - Field 2 | | **Parent Aliquot #** | 2025-0005-1-10 | | |
| Total Suspended Solids | | <2.00 | mg/L | 0.00 | 0 - 5 | AB-250113-012 |
| **Aliquot #** | AB-250113-012 Dup - Field 3 | | **Parent Aliquot #** | 2025-0006-1-10 | | |
| Total Suspended Solids | | <2.00 | mg/L | 0.00 | 0 - 5 | AB-250113-012 |
| **Aliquot #** | AB-250113-015 Dup - Field 2 | | **Parent Aliquot #** | 2025-0005-1-08 | | |
| Total Dissolved Solids | | 274 | mg/L | 1.63 | 0 - 5 | AB-250113-015 |
| **Aliquot #** | AB-250113-015 Dup - Field 3 | | **Parent Aliquot #** | 2025-0006-1-08 | | |
| Total Dissolved Solids | | 913 | mg/L | 0.66 | 0 - 5 | AB-250113-015 |
| **Aliquot #** | AB-250123-001 Dup - Field 2 | | **Parent Aliquot #** | 2025-0005-1-03 | | |
| Fluoride | | <0.10 | mg/L | 0.00 | 0 - 20 | AB-250123-001 |
| Chloride | | 12.0 | mg/L | 0.40 | 0 - 20 | AB-250123-001 |
| Bromide | | 0.12 | mg/L | 0.50 | 0 - 20 | AB-250123-001 |
| Sulfate | | 2.79 | mg/L | 0.29 | 0 - 20 | AB-250123-001 |
| **Aliquot #** | AB-250123-001 Dup - Field 3 | | **Parent Aliquot #** | 2025-0006-1-03 | | |
| Fluoride | | 3.69 | mg/L | 4.14 | 0 - 20 | AB-250123-001 |
| Chloride | | 51.4 | mg/L | 4.32 | 0 - 20 | AB-250123-001 |
| Bromide | | 0.32 | mg/L | 7.47 | 0 - 20 | AB-250123-001 |
| Sulfate | | 4.17 | mg/L | 0.55 | 0 - 20 | AB-250123-001 |
| **Aliquot #** | AB-250211-003 Dup - Field 1 | | **Parent Aliquot #** | 2025-0005-3-02 | | |
| Aluminum | | <0.100 | mg/L | 0.00 | 0 - 20 | AB-250211-003 |
| Calcium | | 86.2 | mg/L | 1.06 | 0 - 20 | AB-250211-003 |
| Iron | | 0.529 | mg/L | 178.74 | 0 - 20 | AB-250211-003 |
| Magnesium | | 1.75 | mg/L | 0.11 | 0 - 20 | AB-250211-003 |
| Manganese | | <0.0200 | mg/L | 0.00 | 0 - 20 | AB-250211-003 |
| Potassium | | 1.20 | mg/L | 1.88 | 0 - 20 | AB-250211-003 |
| Sodium | | 8.48 | mg/L | 0.96 | 0 - 20 | AB-250211-003 |

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|---|---|---|---|---|---|---|
| Phosphorus | | <1.00 | mg/L | 0.00 | 0 - 20 | AB-250211-003 |
| **Aliquot #** | AB-250211-003 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0006-3-02 | |
| Aluminum | | <0.100 | mg/L | 0.00 | 0 - 20 | AB-250211-003 |
| Calcium | | 13.2 | mg/L | 0.31 | 0 - 20 | AB-250211-003 |
| Iron | | <0.100 | mg/L | 0.00 | 0 - 20 | AB-250211-003 |
| Magnesium | | 2.67 | mg/L | 0.70 | 0 - 20 | AB-250211-003 |
| Manganese | | <0.0200 | mg/L | 0.00 | 0 - 20 | AB-250211-003 |
| Potassium | | 4.31 | mg/L | 0.80 | 0 - 20 | AB-250211-003 |
| Sodium | | 345 | mg/L | 0.27 | 0 - 20 | AB-250211-003 |
| Phosphorus | | <1.00 | mg/L | 0.00 | 0 - 20 | AB-250211-003 |
| **Aliquot #** | AB-250212-001 Dup - Field 1 | | **Parent Aliquot #** | | 2025-0005-3-01 | |
| Antimony | | <2.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Arsenic | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Barium | | <1.00 | ug/L | 193.22 | 0 - 20 | AB-250212-001 |
| Beryllium | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Cadmium | | <0.300 | ug/L | 194.40 | 0 - 20 | AB-250212-001 |
| Chromium | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Cobalt | | <0.100 | ug/L | 188.85 | 0 - 20 | AB-250212-001 |
| Copper | | <0.500 | ug/L | 177.28 | 0 - 20 | AB-250212-001 |
| Lead | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Nickel | | <0.500 | ug/L | 188.31 | 0 - 20 | AB-250212-001 |
| Selenium | | <5.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Silver | | <0.100 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Thallium | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Vanadium | | <0.200 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Zinc | | 47.0 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| **Aliquot #** | AB-250212-001 Dup - Field 2 | | **Parent Aliquot #** | | 2025-0006-3-01 | |
| Antimony | | <2.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Arsenic | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Barium | | 4.59 | ug/L | 0.27 | 0 - 20 | AB-250212-001 |
| Beryllium | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Cadmium | | <0.300 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Chromium | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Cobalt | | <0.100 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Copper | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Lead | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Nickel | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Selenium | | <5.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Silver | | <0.100 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Thallium | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Vanadium | | <0.200 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| Zinc | | <5.00 | ug/L | 0.00 | 0 - 20 | AB-250212-001 |
| **Aliquot #** | AB-250226-013 Dup - Field 1 | | **Parent Aliquot #** | | 2025-0005-4-01 | |
| Antimony | | <2.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |

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|---|---|---|---|---|---|---|
| Arsenic | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Barium | | 28.7 | ug/L | 11.98 | 0 - 20 | AB-250226-013 |
| Beryllium | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Cadmium | | 0.460 | ug/L | 30.48 | 0 - 20 | AB-250226-013 |
| Chromium | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Cobalt | | 1.10 | ug/L | 30.50 | 0 - 20 | AB-250226-013 |
| Copper | | 27.9 | ug/L | 69.24 | 0 - 20 | AB-250226-013 |
| Lead | | 2.47 | ug/L | 27.47 | 0 - 20 | AB-250226-013 |
| Nickel | | 9.79 | ug/L | 36.91 | 0 - 20 | AB-250226-013 |
| Selenium | | <5.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Silver | | <0.100 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Thallium | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Vanadium | | <0.200 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Zinc | | 2440 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |

| **Aliquot #** | AB-250226-013 Dup - Field 2 | | **Parent Aliquot #** | 2025-0006-4-01 | | |
|---|---|---|---|---|---|---|
| Antimony | | <2.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Arsenic | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Barium | | 4.64 | ug/L | 0.05 | 0 - 20 | AB-250226-013 |
| Beryllium | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Cadmium | | <0.300 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Chromium | | <1.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Cobalt | | <0.100 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Copper | | 4.24 | ug/L | 17.66 | 0 - 20 | AB-250226-013 |
| Lead | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Nickel | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Selenium | | <5.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Silver | | <0.100 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Thallium | | <0.500 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Vanadium | | <0.200 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |
| Zinc | | <5.00 | ug/L | 0.00 | 0 - 20 | AB-250226-013 |

| **Aliquot #** | AB-250305-001 Dup - Field 1 | | **Parent Aliquot #** | 2025-0005-4-02 | | |
|---|---|---|---|---|---|---|
| Aluminum | | <0.100 | mg/L | 0.00 | 0 - 20 | AB-250305-001 |
| Calcium | | 91.4 | mg/L | 0.04 | 0 - 20 | AB-250305-001 |
| Iron | | 0.855 | mg/L | 143.77 | 0 - 20 | AB-250305-001 |
| Magnesium | | 1.88 | mg/L | 0.31 | 0 - 20 | AB-250305-001 |
| Manganese | | <0.0200 | mg/L | 0.00 | 0 - 20 | AB-250305-001 |
| Potassium | | 1.23 | mg/L | 13.02 | 0 - 20 | AB-250305-001 |
| Sodium | | 9.07 | mg/L | 0.16 | 0 - 20 | AB-250305-001 |
| Phosphorus | | <1.00 | mg/L | 0.00 | 0 - 20 | AB-250305-001 |

| **Aliquot #** | AB-250305-001 Dup - Field 2 | | **Parent Aliquot #** | 2025-0006-4-02 | | |
|---|---|---|---|---|---|---|
| Aluminum | | <0.100 | mg/L | 0.00 | 0 - 20 | AB-250305-001 |
| Calcium | | 13.5 | mg/L | 0.42 | 0 - 20 | AB-250305-001 |
| Iron | | <0.100 | mg/L | 0.00 | 0 - 20 | AB-250305-001 |
| Magnesium | | 2.79 | mg/L | 0.38 | 0 - 20 | AB-250305-001 |

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|---|---|---|---|---|---|
| Manganese | <0.0200 | mg/L | 0.00 | 0 - 20 | AB-250305-001 |
| Potassium | 4.53 | mg/L | 1.80 | 0 - 20 | AB-250305-001 |
| Sodium | 358 | mg/L | 0.04 | 0 - 20 | AB-250305-001 |
| Phosphorus | <1.00 | mg/L | 0.00 | 0 - 20 | AB-250305-001 |