Analytical Results

Lab Contact Info:

ADEQ Laboratory and Monitoring Services
5301 Northshore Drive, North Little Rock, AR 72118
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Alysha(Paige) Heigle
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Collector: Geological, Arkansas

Project: EVT

Project Description: EVT Routine+Metals 2025 0934-0940

Date and Time Received: 5/20/2025 14:45:00

Work Order Number: WO-250520-01

Case Narrative:

RPD failures are more common for samples near or below reporting limit. An "E" qualifier indicates an estimated value due to analyte concentration being over range and undiluted. Matrix spike calculations may fail due to over range parent sample.

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
E	Estimated Value
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: DA-6801-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring
Matrix: Water
Sample Barcode:

Project: EVT
Collected: 5/19/2025 14:37
Sample Number: 2025-0934

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

Aliquot #: 2025-0934-1-01 **Batch Number: AB-250523-007**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	146	mg/L		6.00	1	5/21/2025 9:13

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

Aliquot #: 2025-0934-1-02 **Batch Number: AB-250520-023**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	5/20/2025 16:55

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

Aliquot #: 2025-0934-1-03 **Batch Number: AB-250521-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	5/21/2025 15:57
Chloride	3.64	mg/L		0.50	1	5/21/2025 15:57
Bromide	0.12	mg/L		0.10	1	5/21/2025 15:57
Sulfate	2.35	mg/L		0.50	1	5/21/2025 15:57

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

Aliquot #: 2025-0934-1-04 **Batch Number: AB-250523-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	2.18*	mg/L		0.05	1	5/20/2025 16:55

Analytical Results

Collector: Geological, Arkansas Site: DA-6801-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 14:37

Sample Barcode: Sample Number: 2025-0934

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

Aliquot #: 2025-0934-1-05 **Batch Number: AB-250523-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	5/20/2025 16:55

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

Aliquot #: 2025-0934-1-06 **Batch Number: AB-250603-002**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.34	None			1	5/19/2025 14:37

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

Aliquot #: 2025-0934-1-07 **Batch Number: AB-250521-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	330	uS/cm		1.00	1	5/21/2025 8:16

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

Aliquot #: 2025-0934-1-08 **Batch Number: AB-250522-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	188	mg/L		10.00	1	5/21/2025 15:30

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

Aliquot #: 2025-0934-1-09 **Batch Number: AB-250603-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	18.7	°C			1	5/19/2025 14:37

Analytical Results

Collector: Geological, Arkansas Site: DA-6801-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 14:37

Sample Barcode: Sample Number: 2025-0934

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

Aliquot #: 2025-0934-1-10 **Batch Number: AB-250522-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	2.75	mg/L		2.00	1	5/20/2025 15:50

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

Aliquot #: 2025-0934-1-11 **Batch Number: AB-250521-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	1.92	NTU		0.05	1	5/21/2025 8:16

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

Aliquot #: 2025-0934-1-12 **Batch Number: AB-250527-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.22	mg/L		0.10	1	5/22/2025 10:29

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

Aliquot #: 2025-0934-1-13 **Batch Number: AB-250527-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	5/22/2025 10:29

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

Aliquot #: 2025-0934-2-01 **Batch Number: AB-250521-008**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00*	mg/L		1.00	1	5/21/2025 11:12

Analytical Results

Collector: Geological, Arkansas Site: DA-6801-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 14:37

Sample Barcode: Sample Number: 2025-0934

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

Aliquot #: 2025-0934-3-01 **Batch Number: AB-250604-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/5/2025 10:47
Arsenic	<1.00*	ug/L		1.00	1	6/5/2025 10:47
Barium	23.7*	ug/L		1.00	1	6/5/2025 10:47
Beryllium	<1.00*	ug/L		1.00	1	6/5/2025 10:47
Cadmium	<0.300*	ug/L		0.30	1	6/5/2025 10:47
Chromium	<1.00*	ug/L		1.00	1	6/5/2025 10:47
Cobalt	<0.100*	ug/L		0.10	1	6/5/2025 10:47
Copper	<0.500*	ug/L		0.50	1	6/5/2025 10:47
Lead	<0.500*	ug/L		0.50	1	6/5/2025 10:47
Nickel	1.61*	ug/L		0.50	1	6/5/2025 10:47
Selenium	<5.00*	ug/L		5.00	1	6/5/2025 10:47
Silver	<0.100*	ug/L		0.10	1	6/5/2025 10:47
Thallium	<0.500*	ug/L		0.50	1	6/5/2025 10:47
Vanadium	<0.200*	ug/L		0.20	1	6/5/2025 10:47
Zinc	11.1*	ug/L		5.00	1	6/5/2025 10:47

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

Aliquot #: 2025-0934-3-02 **Batch Number: AB-250604-013**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/5/2025 8:33
Calcium	62.9*	mg/L		5.00	5	6/5/2025 10:31
Iron	<0.100*	mg/L		0.10	1	6/5/2025 8:33
Magnesium	<1.00*	mg/L		1.00	1	6/5/2025 8:33
Manganese	<0.0200*	mg/L		0.02	1	6/5/2025 8:33
Potassium	<1.00*	mg/L		1.00	1	6/5/2025 8:33
Sodium	3.58*	mg/L		1.00	1	6/5/2025 8:33
Hardness	161*	mg/L		1.00	1	6/5/2025 10:31
Phosphorus	<1.00*	mg/L		1.00	1	6/5/2025 8:33

Analytical Results

Collector: Geological, Arkansas Site: DA-6801-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 14:37

Sample Barcode: Sample Number: 2025-0934

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

Aliquot #: 2025-0934-4-01 **Batch Number: AB-250609-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/9/2025 9:38
Arsenic	<1.00*	ug/L		1.00	1	6/9/2025 9:38
Barium	24.2*	ug/L		1.00	1	6/9/2025 9:38
Beryllium	<1.00*	ug/L		1.00	1	6/9/2025 9:38
Cadmium	<0.300*	ug/L		0.30	1	6/9/2025 9:38
Chromium	<1.00*	ug/L		1.00	1	6/9/2025 9:38
Cobalt	<0.100*	ug/L		0.10	1	6/9/2025 9:38
Copper	0.841*	ug/L		0.50	1	6/9/2025 9:38
Lead	0.755*	ug/L		0.50	1	6/9/2025 9:38
Nickel	1.67*	ug/L		0.50	1	6/9/2025 9:38
Selenium	<5.00*	ug/L		5.00	1	6/9/2025 9:38
Silver	<0.100*	ug/L		0.10	1	6/9/2025 9:38
Thallium	<0.500*	ug/L		0.50	1	6/9/2025 9:38
Vanadium	<0.200*	ug/L		0.20	1	6/9/2025 9:38
Zinc	12.0*	ug/L		5.00	1	6/9/2025 9:38

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

Aliquot #: 2025-0934-4-02 **Batch Number: AB-250609-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/9/2025 9:37
Calcium	65.5*	mg/L		5.00	5	6/9/2025 11:04
Iron	0.141*	mg/L		0.10	1	6/9/2025 9:37
Magnesium	<1.00*	mg/L		1.00	1	6/9/2025 9:37
Manganese	<0.0200*	mg/L		0.02	1	6/9/2025 9:37
Potassium	<1.00*	mg/L		1.00	1	6/9/2025 9:37
Sodium	3.68*	mg/L		1.00	1	6/9/2025 9:37
Phosphorus	<1.00*	mg/L		1.00	1	6/9/2025 9:37

Analytical Results

Collector: Geological, Arkansas Site: BH-18803-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 15:25

Sample Barcode: Sample Number: 2025-0935

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

Aliquot #: 2025-0935-1-01 **Batch Number: AB-250523-007**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	141	mg/L		6.00	1	5/21/2025 9:14

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

Aliquot #: 2025-0935-1-02 **Batch Number: AB-250520-023**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	5/20/2025 16:57

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

Aliquot #: 2025-0935-1-03 **Batch Number: AB-250521-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	5/21/2025 16:06
Chloride	12.0	mg/L		0.50	1	5/21/2025 16:06
Bromide	0.12	mg/L		0.10	1	5/21/2025 16:06
Sulfate	3.23	mg/L		0.50	1	5/21/2025 16:06

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

Aliquot #: 2025-0935-1-04 **Batch Number: AB-250523-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	7.30*	mg/L	E	0.05	1	5/20/2025 16:57

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

Aliquot #: 2025-0935-1-05 **Batch Number: AB-250523-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	5/20/2025 16:57

Analytical Results

Collector: Geological, Arkansas Site: BH-18803-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 15:25

Sample Barcode: Sample Number: 2025-0935

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

Aliquot #: 2025-0935-1-06 **Batch Number: AB-250603-002**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.95	None			1	5/19/2025 15:25

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

Aliquot #: 2025-0935-1-07 **Batch Number: AB-250521-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	387	uS/cm		1.00	1	5/21/2025 8:17

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

Aliquot #: 2025-0935-1-08 **Batch Number: AB-250522-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	234	mg/L		10.00	1	5/21/2025 15:30

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

Aliquot #: 2025-0935-1-09 **Batch Number: AB-250603-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	19.2	°C			1	5/19/2025 15:25

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

Aliquot #: 2025-0935-1-10 **Batch Number: AB-250522-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	5/20/2025 15:50

Analytical Results

Collector: Geological, Arkansas Site: BH-18803-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 15:25

Sample Barcode: Sample Number: 2025-0935

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

Aliquot #: 2025-0935-1-11 **Batch Number: AB-250521-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.85	NTU		0.05	1	5/21/2025 8:17

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

Aliquot #: 2025-0935-1-12 **Batch Number: AB-250527-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.35	mg/L		0.10	1	5/22/2025 14:50

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

Aliquot #: 2025-0935-1-13 **Batch Number: AB-250527-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	5/22/2025 10:30

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

Aliquot #: 2025-0935-2-01 **Batch Number: AB-250521-008**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00*	mg/L		1.00	1	5/21/2025 11:26

Analytical Results

Collector: Geological, Arkansas Site: BH-18803-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 15:25

Sample Barcode: Sample Number: 2025-0935

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

Aliquot #: 2025-0935-3-01 **Batch Number: AB-250604-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/5/2025 10:51
Arsenic	<1.00*	ug/L		1.00	1	6/5/2025 10:51
Barium	27.9*	ug/L		1.00	1	6/5/2025 10:51
Beryllium	<1.00*	ug/L		1.00	1	6/5/2025 10:51
Cadmium	<0.300*	ug/L		0.30	1	6/5/2025 10:51
Chromium	<1.00*	ug/L		1.00	1	6/5/2025 10:51
Cobalt	<0.100*	ug/L		0.10	1	6/5/2025 10:51
Copper	0.744*	ug/L	R	0.50	1	6/5/2025 10:51
Lead	<0.500*	ug/L		0.50	1	6/5/2025 10:51
Nickel	0.572*	ug/L		0.50	1	6/5/2025 10:51
Selenium	<5.00*	ug/L		5.00	1	6/5/2025 10:51
Silver	<0.100*	ug/L		0.10	1	6/5/2025 10:51
Thallium	<0.500*	ug/L		0.50	1	6/5/2025 10:51
Vanadium	<0.200*	ug/L		0.20	1	6/5/2025 10:51
Zinc	17.4*	ug/L		5.00	1	6/5/2025 10:51

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

Aliquot #: 2025-0935-3-02 **Batch Number: AB-250604-013**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/5/2025 8:34
Calcium	62.9*	mg/L		5.00	5	6/5/2025 10:33
Iron	<0.100*	mg/L		0.10	1	6/5/2025 8:34
Magnesium	2.07*	mg/L		1.00	1	6/5/2025 8:34
Manganese	<0.0200*	mg/L		0.02	1	6/5/2025 8:34
Potassium	<1.00*	mg/L		1.00	1	6/5/2025 8:34
Sodium	13.0*	mg/L		1.00	1	6/5/2025 8:34
Hardness	165*	mg/L		1.00	1	6/5/2025 10:33
Phosphorus	<1.00*	mg/L		1.00	1	6/5/2025 8:34

Analytical Results

Collector: Geological, Arkansas Site: BH-18803-W01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 15:25

Sample Barcode: Sample Number: 2025-0935

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

Aliquot #: 2025-0935-4-01 **Batch Number: AB-250609-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/9/2025 9:42
Arsenic	<1.00*	ug/L		1.00	1	6/9/2025 9:42
Barium	28.3*	ug/L		1.00	1	6/9/2025 9:42
Beryllium	<1.00*	ug/L		1.00	1	6/9/2025 9:42
Cadmium	<0.300*	ug/L		0.30	1	6/9/2025 9:42
Chromium	<1.00*	ug/L		1.00	1	6/9/2025 9:42
Cobalt	<0.100*	ug/L		0.10	1	6/9/2025 9:42
Copper	0.928*	ug/L	R	0.50	1	6/9/2025 9:42
Lead	<0.500*	ug/L		0.50	1	6/9/2025 9:42
Nickel	0.604*	ug/L		0.50	1	6/9/2025 9:42
Selenium	<5.00*	ug/L		5.00	1	6/9/2025 9:42
Silver	<0.100*	ug/L		0.10	1	6/9/2025 9:42
Thallium	<0.500*	ug/L		0.50	1	6/9/2025 9:42
Vanadium	<0.200*	ug/L		0.20	1	6/9/2025 9:42
Zinc	18.0*	ug/L		5.00	1	6/9/2025 9:42

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

Aliquot #: 2025-0935-4-02 **Batch Number: AB-250609-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/9/2025 9:39
Calcium	64.4*	mg/L		5.00	5	6/9/2025 11:09
Iron	<0.100*	mg/L		0.10	1	6/9/2025 9:39
Magnesium	2.04*	mg/L		1.00	1	6/9/2025 9:39
Manganese	<0.0200*	mg/L		0.02	1	6/9/2025 9:39
Potassium	<1.00*	mg/L		1.00	1	6/9/2025 9:39
Sodium	13.1*	mg/L		1.00	1	6/9/2025 9:39
Phosphorus	<1.00*	mg/L		1.00	1	6/9/2025 9:39

Analytical Results

Collector: Geological, Arkansas Site: CW-859KE02-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 16:15

Sample Barcode: Sample Number: 2025-0936

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

Aliquot #: 2025-0936-1-01 **Batch Number: AB-250523-007**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	102	mg/L		6.00	1	5/21/2025 9:22

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

Aliquot #: 2025-0936-1-02 **Batch Number: AB-250520-023**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	5/20/2025 17:04

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

Aliquot #: 2025-0936-1-03 **Batch Number: AB-250521-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	5/21/2025 16:42
Chloride	7.49	mg/L		0.50	1	5/21/2025 16:42
Bromide	0.10	mg/L		0.10	1	5/21/2025 16:42
Sulfate	9.60	mg/L		0.50	1	5/21/2025 16:42

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

Aliquot #: 2025-0936-1-04 **Batch Number: AB-250523-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.28*	mg/L		0.05	1	5/20/2025 17:04

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

Aliquot #: 2025-0936-1-05 **Batch Number: AB-250523-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	5/20/2025 17:04

Analytical Results

Collector: Geological, Arkansas | Site: CW-859KE02-C01 | **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring
Matrix: Water
Sample Barcode:

Project: EVT
Collected: 5/19/2025 16:15
Sample Number: 2025-0936

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

Aliquot #: 2025-0936-1-06 | **Batch Number: AB-250603-002**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.67	None			1	5/19/2025 16:15

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

Aliquot #: 2025-0936-1-07 | **Batch Number: AB-250521-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	257	uS/cm		1.00	1	5/21/2025 8:19

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

Aliquot #: 2025-0936-1-08 | **Batch Number: AB-250522-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	146	mg/L		10.00	1	5/21/2025 15:30

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

Aliquot #: 2025-0936-1-09 | **Batch Number: AB-250603-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	21.7	°C			1	5/19/2025 16:15

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

Aliquot #: 2025-0936-1-10 | **Batch Number: AB-250522-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	4.25	mg/L		2.00	1	5/20/2025 15:50

Analytical Results

Collector: Geological, Arkansas Site: CW-859KE02-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 16:15

Sample Barcode: Sample Number: 2025-0936

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

Aliquot #: 2025-0936-1-11 **Batch Number: AB-250521-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	6.49	NTU		0.05	1	5/21/2025 8:19

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

Aliquot #: 2025-0936-1-12 **Batch Number: AB-250527-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.43	mg/L		0.10	1	5/22/2025 10:37

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

Aliquot #: 2025-0936-1-13 **Batch Number: AB-250527-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.04	mg/L		0.02	1	5/22/2025 10:37

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

Aliquot #: 2025-0936-2-01 **Batch Number: AB-250521-008**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	2.88*	mg/L		1.00	1	5/21/2025 12:24

Analytical Results

Collector: Geological, Arkansas Site: CW-859KE02-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 16:15

Sample Barcode: Sample Number: 2025-0936

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

Aliquot #: 2025-0936-3-01 **Batch Number: AB-250604-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/5/2025 10:59
Arsenic	<1.00*	ug/L		1.00	1	6/5/2025 10:59
Barium	44.7*	ug/L		1.00	1	6/5/2025 10:59
Beryllium	<1.00*	ug/L		1.00	1	6/5/2025 10:59
Cadmium	<0.300*	ug/L		0.30	1	6/5/2025 10:59
Chromium	<1.00*	ug/L		1.00	1	6/5/2025 10:59
Cobalt	<0.100*	ug/L		0.10	1	6/5/2025 10:59
Copper	0.911*	ug/L		0.50	1	6/5/2025 10:59
Lead	<0.500*	ug/L		0.50	1	6/5/2025 10:59
Nickel	0.556*	ug/L		0.50	1	6/5/2025 10:59
Selenium	<5.00*	ug/L		5.00	1	6/5/2025 10:59
Silver	<0.100*	ug/L		0.10	1	6/5/2025 10:59
Thallium	<0.500*	ug/L		0.50	1	6/5/2025 10:59
Vanadium	0.475*	ug/L		0.20	1	6/5/2025 10:59
Zinc	<5.00*	ug/L		5.00	1	6/5/2025 10:59

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

Aliquot #: 2025-0936-3-02 **Batch Number: AB-250604-013**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/5/2025 8:38
Calcium	42.2*	mg/L		1.00	1	6/5/2025 8:38
Iron	<0.100*	mg/L		0.10	1	6/5/2025 8:38
Magnesium	2.20*	mg/L		1.00	1	6/5/2025 8:38
Manganese	<0.0200*	mg/L		0.02	1	6/5/2025 8:38
Potassium	2.18*	mg/L		1.00	1	6/5/2025 8:38
Sodium	5.78*	mg/L		1.00	1	6/5/2025 8:38
Hardness	114*	mg/L		1.00	1	6/5/2025 8:38
Phosphorus	<1.00*	mg/L		1.00	1	6/5/2025 8:38

Analytical Results

Collector: Geological, Arkansas Site: CW-859KE02-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 16:15

Sample Barcode: Sample Number: 2025-0936

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

Aliquot #: 2025-0936-4-01 **Batch Number: AB-250609-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/9/2025 9:58
Arsenic	<1.00*	ug/L		1.00	1	6/9/2025 9:58
Barium	47.0*	ug/L		1.00	1	6/9/2025 9:58
Beryllium	<1.00*	ug/L		1.00	1	6/9/2025 9:58
Cadmium	<0.300*	ug/L		0.30	1	6/9/2025 9:58
Chromium	<1.00*	ug/L		1.00	1	6/9/2025 9:58
Cobalt	0.127*	ug/L		0.10	1	6/9/2025 9:58
Copper	1.12*	ug/L		0.50	1	6/9/2025 9:58
Lead	<0.500*	ug/L		0.50	1	6/9/2025 9:58
Nickel	0.731*	ug/L		0.50	1	6/9/2025 9:58
Selenium	<5.00*	ug/L		5.00	1	6/9/2025 9:58
Silver	<0.100*	ug/L		0.10	1	6/9/2025 9:58
Thallium	<0.500*	ug/L		0.50	1	6/9/2025 9:58
Vanadium	0.672*	ug/L		0.20	1	6/9/2025 9:58
Zinc	<5.00*	ug/L		5.00	1	6/9/2025 9:58

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

Aliquot #: 2025-0936-4-02 **Batch Number: AB-250609-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	0.126*	mg/L		0.10	1	6/9/2025 9:45
Calcium	43.7*	mg/L		1.00	1	6/9/2025 9:45
Iron	0.112*	mg/L		0.10	1	6/9/2025 9:45
Magnesium	2.26*	mg/L		1.00	1	6/9/2025 9:45
Manganese	<0.0200*	mg/L		0.02	1	6/9/2025 9:45
Potassium	2.36*	mg/L		1.00	1	6/9/2025 9:45
Sodium	6.14*	mg/L		1.00	1	6/9/2025 9:45
Phosphorus	<1.00*	mg/L		1.00	1	6/9/2025 9:45

Analytical Results

Collector: Geological, Arkansas Site: CCHS-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 17:00

Sample Barcode: Sample Number: 2025-0937

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

Aliquot #: 2025-0937-1-01 **Batch Number: AB-250523-007**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	108	mg/L		6.00	1	5/21/2025 9:23

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

Aliquot #: 2025-0937-1-02 **Batch Number: AB-250520-023**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	5/20/2025 17:05

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

Aliquot #: 2025-0937-1-03 **Batch Number: AB-250521-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	5/21/2025 17:08
Chloride	9.76	mg/L		0.50	1	5/21/2025 17:08
Bromide	<0.10	mg/L		0.10	1	5/21/2025 17:08
Sulfate	13.5	mg/L		0.50	1	5/21/2025 17:08

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

Aliquot #: 2025-0937-1-04 **Batch Number: AB-250523-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.23*	mg/L		0.05	1	5/20/2025 17:05

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

Aliquot #: 2025-0937-1-05 **Batch Number: AB-250523-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	5/20/2025 17:05

Analytical Results

Collector: Geological, Arkansas Site: CCHS-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 17:00

Sample Barcode: Sample Number: 2025-0937

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

Aliquot #: 2025-0937-1-06 **Batch Number: AB-250603-002**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.67	None			1	5/19/2025 17:00

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

Aliquot #: 2025-0937-1-07 **Batch Number: AB-250521-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	283	uS/cm		1.00	1	5/21/2025 8:20

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

Aliquot #: 2025-0937-1-08 **Batch Number: AB-250522-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	168	mg/L		10.00	1	5/21/2025 15:30

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

Aliquot #: 2025-0937-1-09 **Batch Number: AB-250603-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	20.6	°C			1	5/19/2025 17:00

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

Aliquot #: 2025-0937-1-10 **Batch Number: AB-250522-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	6.00	mg/L		2.00	1	5/20/2025 15:50

Analytical Results

Collector: Geological, Arkansas Site: CCHS-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 17:00

Sample Barcode: Sample Number: 2025-0937

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

Aliquot #: 2025-0937-1-11 **Batch Number: AB-250521-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	6.76	NTU		0.05	1	5/21/2025 8:20

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

Aliquot #: 2025-0937-1-12 **Batch Number: AB-250527-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.33	mg/L		0.10	1	5/22/2025 10:38

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

Aliquot #: 2025-0937-1-13 **Batch Number: AB-250527-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.04	mg/L		0.02	1	5/22/2025 10:38

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

Aliquot #: 2025-0937-2-01 **Batch Number: AB-250521-008**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	2.78*	mg/L		1.00	1	5/21/2025 12:38

Analytical Results

Collector: Geological, Arkansas Site: CCHS-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 17:00

Sample Barcode: Sample Number: 2025-0937

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

Aliquot #: 2025-0937-3-01 **Batch Number: AB-250604-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/5/2025 11:03
Arsenic	<1.00*	ug/L		1.00	1	6/5/2025 11:03
Barium	45.1*	ug/L		1.00	1	6/5/2025 11:03
Beryllium	<1.00*	ug/L		1.00	1	6/5/2025 11:03
Cadmium	<0.300*	ug/L		0.30	1	6/5/2025 11:03
Chromium	<1.00*	ug/L		1.00	1	6/5/2025 11:03
Cobalt	<0.100*	ug/L		0.10	1	6/5/2025 11:03
Copper	0.685*	ug/L		0.50	1	6/5/2025 11:03
Lead	<0.500*	ug/L		0.50	1	6/5/2025 11:03
Nickel	<0.500*	ug/L		0.50	1	6/5/2025 11:03
Selenium	<5.00*	ug/L		5.00	1	6/5/2025 11:03
Silver	<0.100*	ug/L		0.10	1	6/5/2025 11:03
Thallium	<0.500*	ug/L		0.50	1	6/5/2025 11:03
Vanadium	0.549*	ug/L		0.20	1	6/5/2025 11:03
Zinc	<5.00*	ug/L		5.00	1	6/5/2025 11:03

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

Aliquot #: 2025-0937-3-02 **Batch Number: AB-250604-013**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/5/2025 8:39
Calcium	45.6*	mg/L		1.00	1	6/5/2025 8:39
Iron	<0.100*	mg/L		0.10	1	6/5/2025 8:39
Magnesium	2.22*	mg/L		1.00	1	6/5/2025 8:39
Manganese	<0.0200*	mg/L		0.02	1	6/5/2025 8:39
Potassium	1.97*	mg/L		1.00	1	6/5/2025 8:39
Sodium	6.95*	mg/L		1.00	1	6/5/2025 8:39
Hardness	123*	mg/L		1.00	1	6/5/2025 8:39
Phosphorus	<1.00*	mg/L		1.00	1	6/5/2025 8:39

Analytical Results

Collector: Geological, Arkansas Site: CCHS-C01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/19/2025 17:00

Sample Barcode: Sample Number: 2025-0937

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

Aliquot #: 2025-0937-4-01 **Batch Number: AB-250609-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/9/2025 10:02
Arsenic	<1.00*	ug/L		1.00	1	6/9/2025 10:02
Barium	48.6*	ug/L		1.00	1	6/9/2025 10:02
Beryllium	<1.00*	ug/L		1.00	1	6/9/2025 10:02
Cadmium	<0.300*	ug/L		0.30	1	6/9/2025 10:02
Chromium	<1.00*	ug/L		1.00	1	6/9/2025 10:02
Cobalt	0.114*	ug/L		0.10	1	6/9/2025 10:02
Copper	0.831*	ug/L		0.50	1	6/9/2025 10:02
Lead	<0.500*	ug/L		0.50	1	6/9/2025 10:02
Nickel	0.582*	ug/L		0.50	1	6/9/2025 10:02
Selenium	<5.00*	ug/L		5.00	1	6/9/2025 10:02
Silver	<0.100*	ug/L		0.10	1	6/9/2025 10:02
Thallium	<0.500*	ug/L		0.50	1	6/9/2025 10:02
Vanadium	0.743*	ug/L		0.20	1	6/9/2025 10:02
Zinc	<5.00*	ug/L		5.00	1	6/9/2025 10:02

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

Aliquot #: 2025-0937-4-02 **Batch Number: AB-250609-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	0.131*	mg/L		0.10	1	6/9/2025 9:47
Calcium	47.6*	mg/L		1.00	1	6/9/2025 9:47
Iron	0.117*	mg/L		0.10	1	6/9/2025 9:47
Magnesium	2.31*	mg/L		1.00	1	6/9/2025 9:47
Manganese	<0.0200*	mg/L		0.02	1	6/9/2025 9:47
Potassium	2.18*	mg/L		1.00	1	6/9/2025 9:47
Sodium	7.53*	mg/L		1.00	1	6/9/2025 9:47
Phosphorus	<1.00*	mg/L		1.00	1	6/9/2025 9:47

Analytical Results

Collector: Geological, Arkansas Site: CRIS-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 9:05

Sample Barcode: Sample Number: 2025-0938

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

Aliquot #: 2025-0938-1-01 **Batch Number: AB-250523-007**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	134	mg/L		6.00	1	5/21/2025 9:24

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

Aliquot #: 2025-0938-1-02 **Batch Number: AB-250520-023**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	5/20/2025 17:06

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

Aliquot #: 2025-0938-1-03 **Batch Number: AB-250521-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	5/21/2025 17:17
Chloride	21.9	mg/L		0.50	1	5/21/2025 17:17
Bromide	<0.10	mg/L		0.10	1	5/21/2025 17:17
Sulfate	8.71	mg/L		0.50	1	5/21/2025 17:17

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

Aliquot #: 2025-0938-1-04 **Batch Number: AB-250523-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.02*	mg/L		0.05	1	5/20/2025 17:06

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

Aliquot #: 2025-0938-1-05 **Batch Number: AB-250523-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	5/20/2025 17:06

Analytical Results

Collector: Geological, Arkansas Site: CRIS-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 9:05

Sample Barcode: Sample Number: 2025-0938

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

Aliquot #: 2025-0938-1-06 **Batch Number: AB-250603-002**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.73	None			1	5/20/2025 9:05

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

Aliquot #: 2025-0938-1-07 **Batch Number: AB-250521-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	364	uS/cm		1.00	1	5/21/2025 8:21

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

Aliquot #: 2025-0938-1-08 **Batch Number: AB-250522-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	208	mg/L		10.00	1	5/21/2025 15:30

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

Aliquot #: 2025-0938-1-09 **Batch Number: AB-250603-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	16.2	°C			1	5/20/2025 9:05

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

Aliquot #: 2025-0938-1-10 **Batch Number: AB-250522-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	2.25	mg/L		2.00	1	5/20/2025 15:50

Analytical Results

Collector: Geological, Arkansas Site: CRIS-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 9:05

Sample Barcode: Sample Number: 2025-0938

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

Aliquot #: 2025-0938-1-11 **Batch Number: AB-250521-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	3.83	NTU		0.05	1	5/21/2025 8:21

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

Aliquot #: 2025-0938-1-12 **Batch Number: AB-250527-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.14	mg/L		0.10	1	5/22/2025 10:39

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

Aliquot #: 2025-0938-1-13 **Batch Number: AB-250527-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.03	mg/L		0.02	1	5/22/2025 10:39

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

Aliquot #: 2025-0938-2-01 **Batch Number: AB-250521-008**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	1.74*	mg/L		1.00	1	5/21/2025 12:52

Analytical Results

Collector: Geological, Arkansas Site: CRIS-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 9:05

Sample Barcode: Sample Number: 2025-0938

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

Aliquot #: 2025-0938-3-01 **Batch Number: AB-250604-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/5/2025 11:15
Arsenic	<1.00*	ug/L		1.00	1	6/5/2025 11:15
Barium	51.5*	ug/L		1.00	1	6/5/2025 11:15
Beryllium	<1.00*	ug/L		1.00	1	6/5/2025 11:15
Cadmium	<0.300*	ug/L		0.30	1	6/5/2025 11:15
Chromium	<1.00*	ug/L		1.00	1	6/5/2025 11:15
Cobalt	<0.100*	ug/L		0.10	1	6/5/2025 11:15
Copper	<0.500*	ug/L		0.50	1	6/5/2025 11:15
Lead	<0.500*	ug/L		0.50	1	6/5/2025 11:15
Nickel	<0.500*	ug/L		0.50	1	6/5/2025 11:15
Selenium	<5.00*	ug/L		5.00	1	6/5/2025 11:15
Silver	<0.100*	ug/L		0.10	1	6/5/2025 11:15
Thallium	<0.500*	ug/L		0.50	1	6/5/2025 11:15
Vanadium	0.288*	ug/L		0.20	1	6/5/2025 11:15
Zinc	6.85*	ug/L		5.00	1	6/5/2025 11:15

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

Aliquot #: 2025-0938-3-02 **Batch Number: AB-250604-013**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/5/2025 8:44
Calcium	55.7*	mg/L		5.00	5	6/5/2025 10:39
Iron	<0.100*	mg/L		0.10	1	6/5/2025 8:44
Magnesium	2.51*	mg/L		1.00	1	6/5/2025 8:44
Manganese	<0.0200*	mg/L		0.02	1	6/5/2025 8:44
Potassium	1.35*	mg/L		1.00	1	6/5/2025 8:44
Sodium	13.6*	mg/L		1.00	1	6/5/2025 8:44
Hardness	149*	mg/L		1.00	1	6/5/2025 10:39
Phosphorus	<1.00*	mg/L		1.00	1	6/5/2025 8:44

Analytical Results

Collector: Geological, Arkansas Site: CRIS-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 9:05

Sample Barcode: Sample Number: 2025-0938

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

Aliquot #: 2025-0938-4-01 **Batch Number: AB-250609-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/9/2025 10:14
Arsenic	<1.00*	ug/L		1.00	1	6/9/2025 10:14
Barium	52.5*	ug/L		1.00	1	6/9/2025 10:14
Beryllium	<1.00*	ug/L		1.00	1	6/9/2025 10:14
Cadmium	<0.300*	ug/L		0.30	1	6/9/2025 10:14
Chromium	<1.00*	ug/L		1.00	1	6/9/2025 10:14
Cobalt	<0.100*	ug/L		0.10	1	6/9/2025 10:14
Copper	<0.500*	ug/L		0.50	1	6/9/2025 10:14
Lead	<0.500*	ug/L		0.50	1	6/9/2025 10:14
Nickel	0.538*	ug/L		0.50	1	6/9/2025 10:14
Selenium	<5.00*	ug/L		5.00	1	6/9/2025 10:14
Silver	<0.100*	ug/L		0.10	1	6/9/2025 10:14
Thallium	<0.500*	ug/L		0.50	1	6/9/2025 10:14
Vanadium	0.401*	ug/L		0.20	1	6/9/2025 10:14
Zinc	8.78*	ug/L		5.00	1	6/9/2025 10:14

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

Aliquot #: 2025-0938-4-02 **Batch Number: AB-250609-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	0.136*	mg/L		0.10	1	6/9/2025 9:52
Calcium	60.0*	mg/L		5.00	5	6/9/2025 11:12
Iron	<0.100*	mg/L		0.10	1	6/9/2025 9:52
Magnesium	2.61*	mg/L		1.00	1	6/9/2025 9:52
Manganese	<0.0200*	mg/L		0.02	1	6/9/2025 9:52
Potassium	1.48*	mg/L		1.00	1	6/9/2025 9:52
Sodium	14.5*	mg/L		1.00	1	6/9/2025 9:52
Phosphorus	<1.00*	mg/L		1.00	1	6/9/2025 9:52

Analytical Results

Collector: Geological, Arkansas Site: RICH-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 10:10

Sample Barcode: Sample Number: 2025-0939

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

Aliquot #: 2025-0939-1-01 **Batch Number: AB-250523-007**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	42.1	mg/L		6.00	1	5/21/2025 9:25

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

Aliquot #: 2025-0939-1-02 **Batch Number: AB-250520-023**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	5/20/2025 17:07

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

Aliquot #: 2025-0939-1-03 **Batch Number: AB-250521-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	5/21/2025 17:26
Chloride	1.55	mg/L		0.50	1	5/21/2025 17:26
Bromide	<0.10	mg/L		0.10	1	5/21/2025 17:26
Sulfate	3.20	mg/L		0.50	1	5/21/2025 17:26

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

Aliquot #: 2025-0939-1-04 **Batch Number: AB-250523-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	0.89*	mg/L		0.05	1	5/20/2025 17:07

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

Aliquot #: 2025-0939-1-05 **Batch Number: AB-250523-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	5/20/2025 17:07

Analytical Results

Collector: Geological, Arkansas Site: RICH-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 10:10

Sample Barcode: Sample Number: 2025-0939

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

Aliquot #: 2025-0939-1-06 **Batch Number: AB-250603-002**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.61	None			1	5/20/2025 10:10

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

Aliquot #: 2025-0939-1-07 **Batch Number: AB-250521-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	104	uS/cm		1.00	1	5/21/2025 8:22

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

Aliquot #: 2025-0939-1-08 **Batch Number: AB-250522-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	69.0	mg/L		10.00	1	5/21/2025 15:30

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

Aliquot #: 2025-0939-1-09 **Batch Number: AB-250603-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	15.3	°C			1	5/20/2025 10:10

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

Aliquot #: 2025-0939-1-10 **Batch Number: AB-250522-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	5/20/2025 15:50

Analytical Results

Collector: Geological, Arkansas Site: RICH-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 10:10

Sample Barcode: Sample Number: 2025-0939

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

Aliquot #: 2025-0939-1-11 **Batch Number: AB-250521-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	6.94	NTU		0.05	1	5/21/2025 8:22

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

Aliquot #: 2025-0939-1-12 **Batch Number: AB-250527-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.21	mg/L		0.10	1	5/22/2025 10:40

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

Aliquot #: 2025-0939-1-13 **Batch Number: AB-250527-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.02	mg/L		0.02	1	5/22/2025 10:40

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

Aliquot #: 2025-0939-2-01 **Batch Number: AB-250521-008**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	3.61*	mg/L		1.00	1	5/21/2025 13:36

Analytical Results

Collector: Geological, Arkansas Site: RICH-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 10:10

Sample Barcode: Sample Number: 2025-0939

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

Aliquot #: 2025-0939-3-01 **Batch Number: AB-250604-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/5/2025 11:19
Arsenic	<1.00*	ug/L		1.00	1	6/5/2025 11:19
Barium	31.5*	ug/L		1.00	1	6/5/2025 11:19
Beryllium	<1.00*	ug/L		1.00	1	6/5/2025 11:19
Cadmium	<0.300*	ug/L		0.30	1	6/5/2025 11:19
Chromium	<1.00*	ug/L		1.00	1	6/5/2025 11:19
Cobalt	<0.100*	ug/L		0.10	1	6/5/2025 11:19
Copper	<0.500*	ug/L		0.50	1	6/5/2025 11:19
Lead	<0.500*	ug/L		0.50	1	6/5/2025 11:19
Nickel	<0.500*	ug/L		0.50	1	6/5/2025 11:19
Selenium	<5.00*	ug/L		5.00	1	6/5/2025 11:19
Silver	<0.100*	ug/L		0.10	1	6/5/2025 11:19
Thallium	<0.500*	ug/L		0.50	1	6/5/2025 11:19
Vanadium	0.251*	ug/L	R	0.20	1	6/5/2025 11:19
Zinc	<5.00*	ug/L		5.00	1	6/5/2025 11:19

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

Aliquot #: 2025-0939-3-02 **Batch Number: AB-250604-013**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/5/2025 8:46
Calcium	17.1*	mg/L		1.00	1	6/5/2025 8:46
Iron	<0.100*	mg/L		0.10	1	6/5/2025 8:46
Magnesium	1.24*	mg/L		1.00	1	6/5/2025 8:46
Manganese	<0.0200*	mg/L		0.02	1	6/5/2025 8:46
Potassium	1.23*	mg/L		1.00	1	6/5/2025 8:46
Sodium	1.55*	mg/L		1.00	1	6/5/2025 8:46
Hardness	47.7*	mg/L		1.00	1	6/5/2025 8:46
Phosphorus	<1.00*	mg/L		1.00	1	6/5/2025 8:46

Analytical Results

Collector: Geological, Arkansas Site: RICH-SPR01 **Work Order Number: WO-250520-01**

Sample Classification: Routine Monitoring Project: EVT

Matrix: Water Collected: 5/20/2025 10:10

Sample Barcode: Sample Number: 2025-0939

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

Aliquot #: 2025-0939-4-01 **Batch Number: AB-250609-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/9/2025 10:18
Arsenic	<1.00*	ug/L		1.00	1	6/9/2025 10:18
Barium	34.4*	ug/L		1.00	1	6/9/2025 10:18
Beryllium	<1.00*	ug/L		1.00	1	6/9/2025 10:18
Cadmium	<0.300*	ug/L		0.30	1	6/9/2025 10:18
Chromium	<1.00*	ug/L		1.00	1	6/9/2025 10:18
Cobalt	<0.100*	ug/L		0.10	1	6/9/2025 10:18
Copper	0.579*	ug/L		0.50	1	6/9/2025 10:18
Lead	<0.500*	ug/L		0.50	1	6/9/2025 10:18
Nickel	<0.500*	ug/L		0.50	1	6/9/2025 10:18
Selenium	<5.00*	ug/L		5.00	1	6/9/2025 10:18
Silver	<0.100*	ug/L		0.10	1	6/9/2025 10:18
Thallium	<0.500*	ug/L		0.50	1	6/9/2025 10:18
Vanadium	0.382*	ug/L		0.20	1	6/9/2025 10:18
Zinc	<5.00*	ug/L		5.00	1	6/9/2025 10:18

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

Aliquot #: 2025-0939-4-02 **Batch Number: AB-250609-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	0.156*	mg/L		0.10	1	6/9/2025 9:53
Calcium	17.9*	mg/L		1.00	1	6/9/2025 9:53
Iron	<0.100*	mg/L		0.10	1	6/9/2025 9:53
Magnesium	1.29*	mg/L		1.00	1	6/9/2025 9:53
Manganese	<0.0200*	mg/L		0.02	1	6/9/2025 9:53
Potassium	1.44*	mg/L		1.00	1	6/9/2025 9:53
Sodium	1.69*	mg/L		1.00	1	6/9/2025 9:53
Phosphorus	<1.00*	mg/L		1.00	1	6/9/2025 9:53

Analytical Results

Collector: Geological, Arkansas | Site: Metals Field Blank | **Work Order Number: WO-250520-01**

Sample Classification: Special
Matrix: Water
Sample Barcode:

Project: EVT
Collected: 5/20/2025 15:00
Sample Number: 2025-0940

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

Aliquot #: 2025-0940-1-01 | **Batch Number: AB-250604-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	6/5/2025 11:27
Arsenic	<1.00*	ug/L		1.00	1	6/5/2025 11:27
Barium	<1.00*	ug/L		1.00	1	6/5/2025 11:27
Beryllium	<1.00*	ug/L		1.00	1	6/5/2025 11:27
Cadmium	<0.300*	ug/L		0.30	1	6/5/2025 11:27
Chromium	<1.00*	ug/L		1.00	1	6/5/2025 11:27
Cobalt	<0.100*	ug/L		0.10	1	6/5/2025 11:27
Copper	<0.500*	ug/L		0.50	1	6/5/2025 11:27
Lead	<0.500*	ug/L		0.50	1	6/5/2025 11:27
Nickel	<0.500*	ug/L		0.50	1	6/5/2025 11:27
Selenium	<5.00*	ug/L		5.00	1	6/5/2025 11:27
Silver	<0.100*	ug/L		0.10	1	6/5/2025 11:27
Thallium	<0.500*	ug/L		0.50	1	6/5/2025 11:27
Vanadium	<0.200*	ug/L		0.20	1	6/5/2025 11:27
Zinc	<5.00*	ug/L		5.00	1	6/5/2025 11:27

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

Aliquot #: 2025-0940-1-02 | **Batch Number: AB-250604-013**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	6/5/2025 8:49
Calcium	<1.00*	mg/L		1.00	1	6/5/2025 8:49
Iron	<0.100*	mg/L		0.10	1	6/5/2025 8:49
Magnesium	<1.00*	mg/L		1.00	1	6/5/2025 8:49
Manganese	<0.0200*	mg/L		0.02	1	6/5/2025 8:49
Potassium	<1.00*	mg/L		1.00	1	6/5/2025 8:49
Sodium	<1.00*	mg/L		1.00	1	6/5/2025 8:49
Hardness	<1.00*	mg/L		1.00	1	6/5/2025 8:49
Phosphorus	<1.00*	mg/L		1.00	1	6/5/2025 8:49

QUALITY CONTROL REPORT

Project: EVT Routine+Metals 2025 0934-0940 Date and Time Received: 5/20/2025 14:45:00

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-250520-023**		**Parent Sample:**		**2025-0935**		
	mg/L	<0.03	0.03	101.3 /	80-120			-		98.0 / 97.2	80-120	0.8	-	
Turbidity		**EPA 180.1**					**Batch #:**	**AB-250521-001**		**Parent Sample:**				
	NTU	<0.05	0.05	99.0 /	90-110			-		/	-		-	
Specific Conductance		**EPA 120.1, 1982**					**Batch #:**	**AB-250521-004**		**Parent Sample:**				
	uS/cm	<1.00	1.00	99.6 /	95-105			-		/	-		-	
		SM 5310 C, 2014					**Batch #:**	**AB-250521-008**		**Parent Sample:**		**2025-0935**		
	mg/L	<1.00	1,000.00	101.2 /	85-115			-		102.8 / 101.4	80-120	1.3	-	
Anions		**EPA 300.0 (Rev.2.1, 1993)**					**Batch #:**	**AB-250521-011**		**Parent Sample:**		**2025-0935**		
Br	mg/L	<0.10	0.10	95.3 /	90-110			-		85.3 / 85.3	80-120	0.0	-	
Cl	mg/L	<0.50	0.50	99.0 /	90-110			-		94.3 / 94.8	80-120	0.2	-	
F	mg/L	<0.10	0.10	98.7 /	90-110			-		97.4 / 99.6	80-120	2.2	-	
SO4	mg/L	<0.50	0.50	99.3 /	90-110			-		97.8 / 98.0	80-120	0.2	-	
Total Suspended Solids		**SM 2540 D, 2020**					**Batch #:**	**AB-250522-001**		**Parent Sample:**				
	mg/L	<2.00	2.00	100.3 /	90-110			-		/	-		-	
Total Dissolved Solids		**SM 2540 C, 2020**					**Batch #:**	**AB-250522-004**		**Parent Sample:**				
	mg/L	<10.0	10.00	98.5 /	90-110			-		/	-		-	
Orthophosphate as P		**SM 4500-P G, 2021**					**Batch #:**	**AB-250523-001**		**Parent Sample:**		**2025-0935**		
	mg/L	<0.02	0.02	99.0 /	80-120			-		95.9 / 97.4	80-120	1.5	-	
Nitrate +Nitrite as N		**SM 4500-NO3 F, 2019**					**Batch #:**	**AB-250523-004**		**Parent Sample:**		**2025-0935**		
	mg/L	<0.05	0.05	95.8 /	80-120			-		1,020.0 / 1,026.7	80-120	0.5	-	
Alkalinity as CaCO3		**EPA 310.2 (Rev. 1974)**					**Batch #:**	**AB-250523-007**		**Parent Sample:**				
	mg/L	<6.00	6.00	100.0 /	90-110			-		/	-		-	
		SM 4500-P G, 2021					**Batch #:**	**AB-250527-001**		**Parent Sample:**		**2025-0935**		
	mg/L	<0.02	0.02	90.5 /	80-120			-		89.8 / 92.8	80-120	3.1	-	
		SM 4500-N(org) C, 2021					**Batch #:**	**AB-250527-004**		**Parent Sample:**		**2025-0935**		
	mg/L	<0.10	0.10	97.8 /	80-120			-		-70.0 / -72.0	80-120	0.3	-	M
ICP/MS Metals (Dissolved)		**EPA 200.8 (Rev. 5.4, 1994)**					**Batch #:**	**AB-250604-011**		**Parent Sample:**		**2025-0932**		
Ag	ug/L	<0.100	0.10	94.3 /	85-115			-		76.2 / 77.2	70-130	1.3	-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
As	ug/L	<1.00	1.00	101.8 /	85-115			-		90.1 / 90.2	70-130	0.1	-	
Ba	ug/L	<1.00	1.00	91.3 /	85-115			-		80.8 / 81.1	70-130	0.3	-	
Be	ug/L	<1.00	1.00	99.5 /	85-115			-		98.4 / 97.9	70-130	0.5	-	
Cd	ug/L	<0.300	0.30	102.2 /	85-115			-		84.7 / 84.9	70-130	0.2	-	
Co	ug/L	<0.100	0.10	96.8 /	85-115			-		86.7 / 87.0	70-130	0.3	-	
Cr	ug/L	<1.00	1.00	99.7 /	85-115			-		90.3 / 91.4	70-130	1.2	-	
Cu	ug/L	<0.500	0.50	94.3 /	85-115			-		82.7 / 82.9	70-130	0.3	-	
Ni	ug/L	<0.500	0.50	95.8 /	85-115			-		85.1 / 85.3	70-130	0.2	-	
Pb	ug/L	<0.500	0.50	102.6 /	85-115			-		98.0 / 97.4	70-130	0.6	-	
Sb	ug/L	<2.00	2.00	105.0 /	85-115			-		88.7 / 89.1	70-130	0.5	-	
Se	ug/L	<5.00	5.00	102.6 /	85-115			-		91.7 / 92.4	70-130	0.8	-	
Tl	ug/L	<0.500	0.50	100.3 /	85-115			-		96.1 / 95.2	70-130	1.0	-	
V	ug/L	<0.200	0.20	97.8 /	85-115			-		90.8 / 90.8	70-130	0.1	-	
Zn	ug/L	<5.00	5.00	102.7 /	85-115			-		92.7 / 92.4	70-130	0.3	-	
ICP/OES Metals (Dissolved)		**EPA 200.7**					**Batch #:**	**AB-250604-013**			**Parent Sample:**	**2025-0932**		
Al	mg/L	<0.100	0.10	99.9 /	85-115			-		92.1 / 92.6	70-131	0.5	-	
Ca	mg/L	<1.00	1.00	104.1 /	85-115			-		97.5 / 97.8	70-131	0.2	-	
Fe	mg/L	<0.100	0.10	102.5 /	85-115			-		95.8 / 96.1	70-131	0.2	-	
K	mg/L	<1.00	1.00	99.6 /	85-115			-		91.8 / 92.0	70-131	0.2	-	
Mg	mg/L	<1.00	1.00	103.3 /	85-115			-		97.7 / 98.0	70-131	0.3	-	
Mn	mg/L	<0.0200	0.02	101.0 /	85-115			-		93.8 / 94.2	70-131	0.3	-	
Na	mg/L	<1.00	1.00	103.8 /	85-115			-		96.2 / 95.9	70-131	0.3	-	
P	mg/L	<1.00	1.00	102.1 /	85-115			-		98.2 / 98.6	70-131	0.3	-	
		EPA 200.8 (Rev. 5.4, 1994)					**Batch #:**	**AB-250609-001**			**Parent Sample:**	**2025-0935**		
Ag	ug/L	<0.100	0.10	93.9 /	85-115			-		78.7 / 77.9	70-130	1.0	-	
As	ug/L	<1.00	1.00	104.9 /	85-115			-		99.3 / 98.6	70-130	0.7	-	
Ba	ug/L	<1.00	1.00	98.9 /	85-115			-		91.1 / 88.8	70-130	1.6	-	
Be	ug/L	<1.00	1.00	104.9 /	85-115			-		112.3 / 110.7	70-130	1.4	-	
Cd	ug/L	<0.300	0.30	104.8 /	85-115			-		89.3 / 89.2	70-130	0.1	-	
Co	ug/L	<0.100	0.10	98.5 /	85-115			-		90.9 / 90.9	70-130	0.1	-	
Cr	ug/L	<1.00	1.00	101.0 /	85-115			-		99.1 / 97.6	70-130	1.4	-	
Cu	ug/L	<0.500	0.50	95.9 /	85-115			-		84.7 / 84.2	70-130	0.5	-	
Ni	ug/L	<0.500	0.50	98.1 /	85-115			-		88.6 / 88.5	70-130	0.1	-	
Pb	ug/L	<0.500	0.50	104.3 /	85-115			-		107.9 / 107.3	70-130	0.5	-	
Sb	ug/L	<2.00	2.00	109.3 /	85-115			-		96.0 / 95.5	70-130	0.5	-	
Se	ug/L	<5.00	5.00	107.9 /	85-115			-		102.0 / 102.3	70-130	0.3	-	
Tl	ug/L	<0.500	0.50	101.9 /	85-115			-		106.0 / 106.2	70-130	0.2	-	
V	ug/L	<0.200	0.20	100.4 /	85-115			-		99.0 / 98.1	70-130	0.9	-	
Zn	ug/L	<5.00	5.00	105.3 /	85-115			-		100.5 / 91.7	70-130	5.3	-	

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-250609-003**			**Parent Sample:**	**2025-0935**		
Al	mg/L	<0.100	0.10	98.3 /	85-115		-			100.8 / 101.4	70-130	0.6	-	
Ca	mg/L	<1.00	1.00	102.5 /	85-115		-			110.6 / 112.3	70-130	0.2	-	
Fe	mg/L	<0.100	0.10	98.7 /	85-115		-			98.5 / 99.0	70-130	0.5	-	
K	mg/L	<1.00	1.00	97.8 /	85-115		-			102.3 / 103.6	70-130	1.2	-	
Mg	mg/L	<1.00	1.00	100.8 /	85-115		-			101.3 / 102.2	70-130	0.7	-	
Mn	mg/L	<0.0200	0.02	101.2 /	85-115		-			100.2 / 101.0	70-130	0.8	-	
Na	mg/L	<1.00	1.00	101.8 /	85-115		-			108.4 / 111.1	70-130	1.1	-	
P	mg/L	<1.00	1.00	100.5 /	85-115		-			103.8 / 104.6	70-130	0.7	-	

FIELD QUALITY CONTROL REPORT

Work Order # WO-250520-01 **Parent Sample** 2025-0935

Analyte(s)	Parent Sample Result	Field Dup Result	Units	% RPD	Limits	Batch Number
Aliquot #	AB-250520-023 Dup - Field 1		**Parent Aliquot #**		2025-0935-1-02	
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-250520-023
Aliquot #	AB-250520-023 Dup - Field 2		**Parent Aliquot #**		2025-0939-1-02	
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-250520-023
Aliquot #	AB-250521-001 Dup - Field 1		**Parent Aliquot #**		2025-0935-1-11	
Turbidity		0.65	NTU	26.67	0 - 20	AB-250521-001
Aliquot #	AB-250521-001 Dup - Field 2		**Parent Aliquot #**		2025-0939-1-11	
Turbidity		7.06	NTU	1.71	0 - 20	AB-250521-001
Aliquot #	AB-250521-004 Dup - Field 1		**Parent Aliquot #**		2025-0935-1-07	
Specific Conductance		389	uS/cm	0.52	0 - 20	AB-250521-004
Aliquot #	AB-250521-004 Dup - Field 2		**Parent Aliquot #**		2025-0939-1-07	
Specific Conductance		104	uS/cm	0.10	0 - 20	AB-250521-004
Aliquot #	AB-250521-008 Dup - Field 1		**Parent Aliquot #**		2025-0935-2-01	
Dissolved Organic Carbon		<1.00	mg/L	11.99	0 - 20	AB-250521-008
Aliquot #	AB-250521-008 Dup - Field 2		**Parent Aliquot #**		2025-0939-2-01	
Dissolved Organic Carbon		3.58	mg/L	0.83	0 - 20	AB-250521-008
Aliquot #	AB-250521-011 Dup - Field 1		**Parent Aliquot #**		2025-0935-1-03	
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-250521-011
Chloride		11.8	mg/L	1.90	0 - 20	AB-250521-011
Bromide		0.12	mg/L	0.24	0 - 20	AB-250521-011
Sulfate		3.21	mg/L	0.47	0 - 20	AB-250521-011
Aliquot #	AB-250521-011 Dup - Field 2		**Parent Aliquot #**		2025-0939-1-03	
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-250521-011
Chloride		1.55	mg/L	0.08	0 - 20	AB-250521-011
Bromide		<0.10	mg/L	0.00	0 - 20	AB-250521-011
Sulfate		3.19	mg/L	0.16	0 - 20	AB-250521-011
Aliquot #	AB-250522-001 Dup - Field 1		**Parent Aliquot #**		2025-0935-1-10	
Total Suspended Solids		<2.00	mg/L	0.00	0 - 5	AB-250522-001
Aliquot #	AB-250522-001 Dup - Field 2		**Parent Aliquot #**		2025-0939-1-10	
Total Suspended Solids		<2.00	mg/L	0.00	0 - 5	AB-250522-001
Aliquot #	AB-250522-004 Dup - Field 1		**Parent Aliquot #**		2025-0935-1-08	
Total Dissolved Solids		236	mg/L	0.43	0 - 5	AB-250522-004

Aliquot #	AB-250522-004 Dup - Field 2		**Parent Aliquot #**	2025-0939-1-08		
Total Dissolved Solids		72.5	mg/L	4.95	0 - 5	AB-250522-004
Aliquot #	AB-250523-001 Dup - Field 1		**Parent Aliquot #**	2025-0935-1-05		
Orthophosphate as Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-250523-001
Aliquot #	AB-250523-001 Dup - Field 2		**Parent Aliquot #**	2025-0939-1-05		
Orthophosphate as Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-250523-001
Aliquot #	AB-250523-004 Dup - Field 1		**Parent Aliquot #**	2025-0935-1-04		
Nitrite+Nitrate as Nitrogen		7.29	mg/L	0.14	0 - 20	AB-250523-004
Aliquot #	AB-250523-004 Dup - Field 2		**Parent Aliquot #**	2025-0939-1-04		
Nitrite+Nitrate as Nitrogen		0.89	mg/L	0.22	0 - 20	AB-250523-004
Aliquot #	AB-250523-007 Dup - Field 1		**Parent Aliquot #**	2025-0935-1-01		
Alkalinity		141	mg/L	0.00	0 - 20	AB-250523-007
Aliquot #	AB-250523-007 Dup - Field 2		**Parent Aliquot #**	2025-0939-1-01		
Alkalinity		42.4	mg/L	0.71	0 - 20	AB-250523-007
Aliquot #	AB-250527-001 Dup - Field 1		**Parent Aliquot #**	2025-0935-1-13		
Total Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-250527-001
Aliquot #	AB-250527-001 Dup - Field 2		**Parent Aliquot #**	2025-0939-1-13		
Total Phosphorus		0.02	mg/L	9.61	0 - 20	AB-250527-001
Aliquot #	AB-250527-004 Dup - Field 1		**Parent Aliquot #**	2025-0935-1-12		
Total Kjeldahl Nitrogen		0.35	mg/L	0.00	0 - 20	AB-250527-004
Aliquot #	AB-250527-004 Dup - Field 2		**Parent Aliquot #**	2025-0939-1-12		
Total Kjeldahl Nitrogen		0.23	mg/L	8.29	0 - 20	AB-250527-004
Aliquot #	AB-250603-002 Dup - Field 1		**Parent Aliquot #**	2025-0939-1-06		
pH		6.61	units	0.00	0 - 20	AB-250603-002
Aliquot #	AB-250603-002 Dup - Field 2		**Parent Aliquot #**	2025-0935-1-06		
pH		6.95	units	0.00	0 - 20	AB-250603-002
Aliquot #	AB-250603-003 Dup - Field 1		**Parent Aliquot #**	2025-0939-1-09		
Water Temperature		15.3	°C	0.00	0 - 20	AB-250603-003
Aliquot #	AB-250603-003 Dup - Field 2		**Parent Aliquot #**	2025-0935-1-09		
Water Temperature		19.2	°C	0.00	0 - 20	AB-250603-003
Aliquot #	AB-250604-011 Dup - Field 2		**Parent Aliquot #**	2025-0935-3-01		
Antimony		<2.00	ug/L	0.00	0 - 20	AB-250604-011
Arsenic		<1.00	ug/L	0.00	0 - 20	AB-250604-011
Barium		27.8	ug/L	0.53	0 - 20	AB-250604-011
Beryllium		<1.00	ug/L	0.00	0 - 20	AB-250604-011
Cadmium		<0.300	ug/L	0.00	0 - 20	AB-250604-011
Chromium		<1.00	ug/L	0.00	0 - 20	AB-250604-011
Cobalt		<0.100	ug/L	0.00	0 - 20	AB-250604-011

Copper		1.29	ug/L	53.58	0 - 20	AB-250604-011
Lead		<0.500	ug/L	0.00	0 - 20	AB-250604-011
Nickel		0.570	ug/L	0.27	0 - 20	AB-250604-011
Selenium		<5.00	ug/L	0.00	0 - 20	AB-250604-011
Silver		<0.100	ug/L	0.00	0 - 20	AB-250604-011
Thallium		<0.500	ug/L	0.00	0 - 20	AB-250604-011
Vanadium		<0.200	ug/L	0.00	0 - 20	AB-250604-011
Zinc		18.5	ug/L	6.05	0 - 20	AB-250604-011
Aliquot #	AB-250604-011 Dup - Field 3		**Parent Aliquot #**		2025-0939-3-01	
Antimony		<2.00	ug/L	0.00	0 - 20	AB-250604-011
Arsenic		<1.00	ug/L	0.00	0 - 20	AB-250604-011
Barium		32.0	ug/L	1.51	0 - 20	AB-250604-011
Beryllium		<1.00	ug/L	0.00	0 - 20	AB-250604-011
Cadmium		<0.300	ug/L	0.00	0 - 20	AB-250604-011
Chromium		<1.00	ug/L	0.00	0 - 20	AB-250604-011
Cobalt		<0.100	ug/L	0.00	0 - 20	AB-250604-011
Copper		<0.500	ug/L	0.00	0 - 20	AB-250604-011
Lead		<0.500	ug/L	0.00	0 - 20	AB-250604-011
Nickel		<0.500	ug/L	0.00	0 - 20	AB-250604-011
Selenium		<5.00	ug/L	0.00	0 - 20	AB-250604-011
Silver		<0.100	ug/L	0.00	0 - 20	AB-250604-011
Thallium		<0.500	ug/L	0.00	0 - 20	AB-250604-011
Vanadium		0.377	ug/L	40.34	0 - 20	AB-250604-011
Zinc		<5.00	ug/L	0.00	0 - 20	AB-250604-011
Aliquot #	AB-250604-013 Dup - Field 2		**Parent Aliquot #**		2025-0935-3-02	
Aluminum		<0.100	mg/L	0.00	0 - 20	AB-250604-013
Calcium		62.7	mg/L	0.19	0 - 20	AB-250604-013
Iron		<0.100	mg/L	0.00	0 - 20	AB-250604-013
Magnesium		2.06	mg/L	0.77	0 - 20	AB-250604-013
Manganese		<0.0200	mg/L	0.00	0 - 20	AB-250604-013
Potassium		<1.00	mg/L	0.00	0 - 20	AB-250604-013
Sodium		12.9	mg/L	0.75	0 - 20	AB-250604-013
Phosphorus		<1.00	mg/L	0.00	0 - 20	AB-250604-013
Aliquot #	AB-250604-013 Dup - Field 3		**Parent Aliquot #**		2025-0939-3-02	
Aluminum		<0.100	mg/L	0.00	0 - 20	AB-250604-013
Calcium		17.1	mg/L	0.05	0 - 20	AB-250604-013
Iron		<0.100	mg/L	0.00	0 - 20	AB-250604-013
Magnesium		1.23	mg/L	0.34	0 - 20	AB-250604-013
Manganese		<0.0200	mg/L	0.00	0 - 20	AB-250604-013
Potassium		1.15	mg/L	6.25	0 - 20	AB-250604-013
Sodium		1.56	mg/L	0.16	0 - 20	AB-250604-013
Phosphorus		<1.00	mg/L	0.00	0 - 20	AB-250604-013
Aliquot #	AB-250609-001 Dup - Field 1		**Parent Aliquot #**		2025-0935-4-01	
Antimony		<2.00	ug/L	0.00	0 - 20	AB-250609-001

Arsenic		<1.00	ug/L	0.00	0 - 20	AB-250609-001
Barium		28.1	ug/L	0.79	0 - 20	AB-250609-001
Beryllium		<1.00	ug/L	0.00	0 - 20	AB-250609-001
Cadmium		<0.300	ug/L	0.00	0 - 20	AB-250609-001
Chromium		<1.00	ug/L	0.00	0 - 20	AB-250609-001
Cobalt		<0.100	ug/L	0.00	0 - 20	AB-250609-001
Copper		2.20	ug/L	81.25	0 - 20	AB-250609-001
Lead		<0.500	ug/L	0.00	0 - 20	AB-250609-001
Nickel		0.640	ug/L	5.85	0 - 20	AB-250609-001
Selenium		<5.00	ug/L	0.00	0 - 20	AB-250609-001
Silver		<0.100	ug/L	0.00	0 - 20	AB-250609-001
Thallium		<0.500	ug/L	0.00	0 - 20	AB-250609-001
Vanadium		<0.200	ug/L	0.00	0 - 20	AB-250609-001
Zinc		19.4	ug/L	7.89	0 - 20	AB-250609-001
Aliquot #	AB-250609-001 Dup - Field 2		**Parent Aliquot #**		2025-0939-4-01	
Antimony		<2.00	ug/L	0.00	0 - 20	AB-250609-001
Arsenic		<1.00	ug/L	0.00	0 - 20	AB-250609-001
Barium		34.8	ug/L	1.26	0 - 20	AB-250609-001
Beryllium		<1.00	ug/L	0.00	0 - 20	AB-250609-001
Cadmium		<0.300	ug/L	0.00	0 - 20	AB-250609-001
Chromium		<1.00	ug/L	0.00	0 - 20	AB-250609-001
Cobalt		<0.100	ug/L	0.00	0 - 20	AB-250609-001
Copper		0.536	ug/L	7.69	0 - 20	AB-250609-001
Lead		<0.500	ug/L	0.00	0 - 20	AB-250609-001
Nickel		<0.500	ug/L	0.00	0 - 20	AB-250609-001
Selenium		<5.00	ug/L	0.00	0 - 20	AB-250609-001
Silver		<0.100	ug/L	0.00	0 - 20	AB-250609-001
Thallium		<0.500	ug/L	0.00	0 - 20	AB-250609-001
Vanadium		0.399	ug/L	4.49	0 - 20	AB-250609-001
Zinc		<5.00	ug/L	0.00	0 - 20	AB-250609-001
Aliquot #	AB-250609-003 Dup - Field 1		**Parent Aliquot #**		2025-0935-4-02	
Aluminum		<0.100	mg/L	0.00	0 - 20	AB-250609-003
Calcium		65.2	mg/L	1.20	0 - 20	AB-250609-003
Iron		<0.100	mg/L	0.00	0 - 20	AB-250609-003
Magnesium		2.09	mg/L	2.56	0 - 20	AB-250609-003
Manganese		<0.0200	mg/L	0.00	0 - 20	AB-250609-003
Potassium		<1.00	mg/L	0.00	0 - 20	AB-250609-003
Sodium		13.3	mg/L	1.62	0 - 20	AB-250609-003
Phosphorus		<1.00	mg/L	0.00	0 - 20	AB-250609-003
Aliquot #	AB-250609-003 Dup - Field 2		**Parent Aliquot #**		2025-0939-4-02	
Aluminum		0.159	mg/L	1.97	0 - 20	AB-250609-003
Calcium		17.4	mg/L	3.11	0 - 20	AB-250609-003
Iron		<0.100	mg/L	0.00	0 - 20	AB-250609-003
Magnesium		1.26	mg/L	2.83	0 - 20	AB-250609-003

Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250609-003
Potassium	1.32	mg/L	9.00	0 - 20	AB-250609-003
Sodium	1.63	mg/L	3.56	0 - 20	AB-250609-003
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250609-003