

Analytical Results



Lab Contact Info:

ADEQ Laboratory and Monitoring Services

5301 Northshore Drive, North Little Rock, AR 72118

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501-682-0937

Collector: Geological, Arkansas

Project: EVT

Project Description: EVT Routine+Metals 2025 0134-0138

Date and Time Received: 1/28/2025 15:45:00

Work Order Number: WO-250128-03

Sample Receipt Conditions:

Condition	Response	Comment
Is the COC completed properly?	Yes	
Temperature on Receipt	1.4°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: NB-1851-W-01	Work Order Number: WO-250128-03
Sample Classification: Routine Monitoring	Project:	EVT
Matrix: Water	Collected:	1/27/2025 14:05
Sample Barcode: 	Sample Number:	2025-0134

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

Aliquot #: 2025-0134-1-01 **Batch Number: AB-250130-005**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	162	mg/L		6.00	1	1/29/2025 14:49

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

Aliquot #: 2025-0134-1-02 **Batch Number: AB-250128-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	1/29/2025 10:48

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

Aliquot #: 2025-0134-1-03 **Batch Number: AB-250129-002**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	1/29/2025 14:46
Chloride	3.77	mg/L		0.50	1	1/29/2025 14:46
Bromide	0.12	mg/L		0.10	1	1/29/2025 14:46
Sulfate	8.40	mg/L		0.50	1	1/29/2025 14:46

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

Aliquot #: 2025-0134-1-04 **Batch Number: AB-250130-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.97	mg/L		0.05	1	1/29/2025 10:48

Analytical Results



Collector: Geological, Arkansas

Site: NB-1851-W-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 14:05

Sample Barcode: 

Sample Number: 2025-0134

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-0134-1-05

Batch Number: AB-250129-017

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	1/29/2025 10:48

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-0134-1-06

Batch Number: AB-250211-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.33	None			1	1/27/2025 14:05

Specific Conductance

Method: EPA 120.1, 1982

Analyst: JR

Aliquot #: 2025-0134-1-07

Batch Number: AB-250129-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	356	uS/cm		1.00	1	1/29/2025 9:33

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-0134-1-08

Batch Number: AB-250203-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	224	mg/L		10.00	1	1/29/2025 16:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-0134-1-09

Batch Number: AB-250211-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	14.9	°C	R		1	1/27/2025 14:05

Analytical Results



Collector: Geological, Arkansas

Site: NB-1851-W-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 14:05

Sample Barcode: 

Sample Number: 2025-0134

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-0134-1-10

Batch Number: AB-250203-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	23.0	mg/L		2.00	1	1/28/2025 16:05

Turbidity

Method: EPA 180.1

Analyst: JR

Aliquot #: 2025-0134-1-11

Batch Number: AB-250129-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	39.9	NTU		0.05	1	1/29/2025 9:33

Total Kjeldahl Nitrogen as N

Method: SM 4500-N(org) C, 2021

Analyst:

Aliquot #: 2025-0134-1-12

Batch Number: AB-250130-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	1/30/2025 9:49

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-0134-1-13

Batch Number: AB-250130-013

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.08	mg/L		0.02	1	1/30/2025 9:49

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-0134-2-01

Batch Number: AB-250129-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	1/29/2025 19:32

Analytical Results



Collector: Geological, Arkansas

Site: NB-1851-W-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 14:05

Sample Barcode: 

Sample Number: 2025-0134

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0134-3-01

Batch Number: AB-250225-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	2/25/2025 11:52
Arsenic	<1.00*	ug/L		1.00	1	2/25/2025 11:52
Barium	38.2*	ug/L		1.00	1	2/25/2025 11:52
Beryllium	<1.00*	ug/L		1.00	1	2/25/2025 11:52
Cadmium	<0.300*	ug/L		0.30	1	2/25/2025 11:52
Chromium	<1.00*	ug/L		1.00	1	2/25/2025 11:52
Cobalt	<0.100*	ug/L		0.10	1	2/25/2025 11:52
Copper	<0.500*	ug/L		0.50	1	2/25/2025 11:52
Lead	<0.500*	ug/L		0.50	1	2/25/2025 11:52
Nickel	1.47*	ug/L		0.50	1	2/25/2025 11:52
Selenium	<5.00*	ug/L		5.00	1	2/25/2025 11:52
Silver	<0.100*	ug/L		0.10	1	2/25/2025 11:52
Thallium	<0.500*	ug/L		0.50	1	2/25/2025 11:52
Vanadium	<0.200*	ug/L	R	0.20	1	2/25/2025 11:52
Zinc	20.5*	ug/L		5.00	1	2/25/2025 11:52

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0134-3-02

Batch Number: AB-250224-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	2/27/2025 10:36
Calcium	64.6*	mg/L		5.00	5	2/27/2025 14:13
Iron	<0.100*	mg/L		0.10	1	2/27/2025 10:36
Magnesium	4.16*	mg/L		1.00	1	2/27/2025 10:36
Manganese	<0.0200*	mg/L		0.02	1	2/27/2025 10:36
Potassium	1.07*	mg/L		1.00	1	2/27/2025 10:36
Sodium	4.95*	mg/L		1.00	1	2/27/2025 10:36
Hardness	179*	mg/L		1.00	1	2/27/2025 14:13
Phosphorus	<1.00*	mg/L		1.00	1	2/27/2025 10:36

Analytical Results



Collector: Geological, Arkansas

Site: NB-1851-W-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 14:05

Sample Barcode: 

Sample Number: 2025-0134

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0134-4-01

Batch Number: AB-250311-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	3/11/2025 12:26
Arsenic	<1.00*	ug/L		1.00	1	3/11/2025 12:26
Barium	41.2*	ug/L		1.00	1	3/11/2025 12:26
Beryllium	<1.00*	ug/L		1.00	1	3/11/2025 12:26
Cadmium	0.340*	ug/L	R	0.30	1	3/11/2025 12:26
Chromium	<1.00*	ug/L		1.00	1	3/11/2025 12:26
Cobalt	1.21*	ug/L	R	0.10	1	3/11/2025 12:26
Copper	1.01*	ug/L	R	0.50	1	3/11/2025 12:26
Lead	0.863*	ug/L		0.50	1	3/11/2025 12:26
Nickel	7.40*	ug/L	R	0.50	1	3/11/2025 12:26
Selenium	<5.00*	ug/L		5.00	1	3/11/2025 12:26
Silver	<0.100*	ug/L		0.10	1	3/11/2025 12:26
Thallium	<0.500*	ug/L		0.50	1	3/11/2025 12:26
Vanadium	0.901*	ug/L		0.20	1	3/11/2025 12:26
Zinc	56.0*	ug/L		25.00	5	3/11/2025 12:26

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0134-4-02

Batch Number: AB-250311-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	0.279*	mg/L		0.10	1	3/12/2025 9:21
Calcium	63.4*	mg/L		5.00	5	3/12/2025 11:35
Iron	2.10*	mg/L	R	0.10	1	3/12/2025 9:21
Magnesium	4.12*	mg/L		1.00	1	3/12/2025 9:21
Manganese	0.245*	mg/L	R	0.02	1	3/12/2025 9:21
Potassium	1.09*	mg/L		1.00	1	3/12/2025 9:21
Sodium	5.05*	mg/L		1.00	1	3/12/2025 9:21
Phosphorus	<1.00*	mg/L		1.00	1	3/12/2025 9:21

Analytical Results



Collector: Geological, Arkansas

Site: TG-W-1984-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 17:10

Sample Barcode: 

Sample Number: 2025-0135

Alkalinity as CaCO₃

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-0135-1-01

Batch Number: AB-250130-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	70.2	mg/L		6.00	1	1/29/2025 14:53

Ammonia as N

Method: SM 4500-NH₃ H, 2021

Analyst:

Aliquot #: 2025-0135-1-02

Batch Number: AB-250128-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	1/29/2025 10:51

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: CAC

Aliquot #: 2025-0135-1-03

Batch Number: AB-250129-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	1/29/2025 15:03
Chloride	10.6	mg/L		0.50	1	1/29/2025 15:03
Bromide	<0.10	mg/L		0.10	1	1/29/2025 15:03
Sulfate	15.9	mg/L		0.50	1	1/29/2025 15:03

Nitrate +Nitrite as N

Method: SM 4500-NO₃ F, 2019

Analyst:

Aliquot #: 2025-0135-1-04

Batch Number: AB-250130-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	7.80	mg/L		0.25	5	1/29/2025 11:31

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-0135-1-05

Batch Number: AB-250129-017

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.059	mg/L		0.02	1	1/29/2025 10:51

Analytical Results



Collector: Geological, Arkansas

Site: TG-W-1984-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 17:10

Sample Barcode: 

Sample Number: 2025-0135

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-0135-1-06

Batch Number: AB-250211-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.44	None			1	1/27/2025 17:10

Specific Conductance

Method: EPA 120.1, 1982

Analyst: JR

Aliquot #: 2025-0135-1-07

Batch Number: AB-250129-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	276	uS/cm		1.00	1	1/29/2025 10:06

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-0135-1-08

Batch Number: AB-250203-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	198	mg/L		10.00	1	1/29/2025 16:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-0135-1-09

Batch Number: AB-250211-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	11.3	°C			1	1/27/2025 17:10

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-0135-1-10

Batch Number: AB-250203-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	41.2	mg/L		2.00	1	1/28/2025 16:05

Analytical Results



Collector: Geological, Arkansas

Site: TG-W-1984-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 17:10

Sample Barcode: 

Sample Number: 2025-0135

Turbidity

Method: EPA 180.1

Analyst: JR

Aliquot #: 2025-0135-1-11

Batch Number: AB-250129-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	17.2	NTU		0.05	1	1/29/2025 10:06

Total Kjeldahl Nitrogen as N

Method: SM 4500-N(org) C, 2021

Analyst:

Aliquot #: 2025-0135-1-12

Batch Number: AB-250130-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.40	mg/L		0.10	1	1/30/2025 9:52

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-0135-1-13

Batch Number: AB-250130-013

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.07	mg/L		0.02	1	1/30/2025 9:51

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-0135-2-01

Batch Number: AB-250129-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	1.29	mg/L		1.00	1	1/29/2025 20:01

Analytical Results



Collector: Geological, Arkansas

Site: TG-W-1984-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 17:10

Sample Barcode: 

Sample Number: 2025-0135

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0135-3-01

Batch Number: AB-250225-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00*	ug/L		2.00	1	2/25/2025 12:08
Arsenic	<1.00*	ug/L		1.00	1	2/25/2025 12:08
Barium	99.3*	ug/L		1.00	1	2/25/2025 12:08
Beryllium	<1.00*	ug/L		1.00	1	2/25/2025 12:08
Cadmium	<0.300*	ug/L		0.30	1	2/25/2025 12:08
Chromium	<1.00*	ug/L		1.00	1	2/25/2025 12:08
Cobalt	<0.100*	ug/L		0.10	1	2/25/2025 12:08
Copper	1.36*	ug/L		0.50	1	2/25/2025 12:08
Lead	<0.500*	ug/L		0.50	1	2/25/2025 12:08
Nickel	<0.500*	ug/L		0.50	1	2/25/2025 12:08
Selenium	<5.00*	ug/L		5.00	1	2/25/2025 12:08
Silver	<0.100*	ug/L		0.10	1	2/25/2025 12:08
Thallium	<0.500*	ug/L		0.50	1	2/25/2025 12:08
Vanadium	0.270*	ug/L		0.20	1	2/25/2025 12:08
Zinc	21.6*	ug/L		5.00	1	2/25/2025 12:08

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0135-3-02

Batch Number: AB-250224-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100*	mg/L		0.10	1	2/27/2025 10:43
Calcium	34.9*	mg/L		1.00	1	2/27/2025 10:43
Iron	<0.100*	mg/L		0.10	1	2/27/2025 10:43
Magnesium	3.08*	mg/L		1.00	1	2/27/2025 10:43
Manganese	<0.0200*	mg/L		0.02	1	2/27/2025 10:43
Potassium	7.12*	mg/L		1.00	1	2/27/2025 10:43
Sodium	8.75*	mg/L		1.00	1	2/27/2025 10:43
Hardness	99.8*	mg/L		1.00	1	2/27/2025 10:43
Phosphorus	<1.00*	mg/L		1.00	1	2/27/2025 10:43

Analytical Results



Collector: Geological, Arkansas

Site: TG-W-1984-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/27/2025 17:10

Sample Barcode: 

Sample Number: 2025-0135

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0135-4-01

Batch Number: AB-250311-002

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00*	ug/L		2.00	1	3/11/2025 12:42
Arsenic	<1.00*	ug/L		1.00	1	3/11/2025 12:42
Barium	96.1*	ug/L		1.00	1	3/11/2025 12:42
Beryllium	<1.00*	ug/L		1.00	1	3/11/2025 12:42
Cadmium	<0.300*	ug/L		0.30	1	3/11/2025 12:42
Chromium	<1.00*	ug/L		1.00	1	3/11/2025 12:42
Cobalt	0.144*	ug/L		0.10	1	3/11/2025 12:42
Copper	1.81*	ug/L		0.50	1	3/11/2025 12:42
Lead	<0.500*	ug/L		0.50	1	3/11/2025 12:42
Nickel	<0.500*	ug/L		0.50	1	3/11/2025 12:42
Selenium	<5.00*	ug/L		5.00	1	3/11/2025 12:42
Silver	<0.100*	ug/L		0.10	1	3/11/2025 12:42
Thallium	<0.500*	ug/L		0.50	1	3/11/2025 12:42
Vanadium	0.370*	ug/L		0.20	1	3/11/2025 12:42
Zinc	22.1*	ug/L		5.00	1	3/11/2025 12:42

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0135-4-02

Batch Number: AB-250311-009

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	0.113*	mg/L		0.10	1	3/12/2025 9:27
Calcium	34.0*	mg/L		1.00	1	3/12/2025 9:27
Iron	<0.100*	mg/L		0.10	1	3/12/2025 9:27
Magnesium	3.02*	mg/L		1.00	1	3/12/2025 9:27
Manganese	<0.0200*	mg/L		0.02	1	3/12/2025 9:27
Potassium	7.00*	mg/L		1.00	1	3/12/2025 9:27
Sodium	8.55*	mg/L		1.00	1	3/12/2025 9:27
Phosphorus	<1.00*	mg/L		1.00	1	3/12/2025 9:27

Analytical Results



Collector: Geological, Arkansas

Site: TL-W-2379-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 8:40

Sample Barcode: 

Sample Number: 2025-0136

Alkalinity as CaCO₃

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-0136-1-01

Batch Number: AB-250130-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	170	mg/L		6.00	1	1/29/2025 14:55

Ammonia as N

Method: SM 4500-NH₃ H, 2021

Analyst:

Aliquot #: 2025-0136-1-02

Batch Number: AB-250128-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	0.057	mg/L		0.03	1	1/29/2025 10:54

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: CAC

Aliquot #: 2025-0136-1-03

Batch Number: AB-250129-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	1/29/2025 15:12
Chloride	7.02	mg/L		0.50	1	1/29/2025 15:12
Bromide	<0.10	mg/L		0.10	1	1/29/2025 15:12
Sulfate	2.62	mg/L		0.50	1	1/29/2025 15:12

Nitrate +Nitrite as N

Method: SM 4500-NO₃ F, 2019

Analyst:

Aliquot #: 2025-0136-1-04

Batch Number: AB-250130-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	9.75	mg/L		0.25	5	1/29/2025 11:32

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-0136-1-05

Batch Number: AB-250129-017

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	1/29/2025 10:54

Analytical Results



Collector: Geological, Arkansas

Site: TL-W-2379-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 8:40

Sample Barcode: 

Sample Number: 2025-0136

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-0136-1-06

Batch Number: AB-250211-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.84	None			1	1/28/2025 8:40

Specific Conductance

Method: EPA 120.1, 1982

Analyst: JR

Aliquot #: 2025-0136-1-07

Batch Number: AB-250129-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	435	uS/cm		1.00	1	1/29/2025 10:06

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-0136-1-08

Batch Number: AB-250203-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	308	mg/L		10.00	1	1/29/2025 16:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-0136-1-09

Batch Number: AB-250211-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	4.30	°C			1	1/28/2025 8:40

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-0136-1-10

Batch Number: AB-250203-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	184	mg/L		2.00	1	1/28/2025 16:05

Analytical Results



Collector: Geological, Arkansas

Site: TL-W-2379-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 8:40

Sample Barcode: 

Sample Number: 2025-0136

Turbidity

Method: EPA 180.1

Analyst: JR

Aliquot #: 2025-0136-1-11

Batch Number: AB-250129-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	87.8	NTU		0.05	1	1/29/2025 10:06

Total Kjeldahl Nitrogen as N

Method: SM 4500-N(org) C, 2021

Analyst:

Aliquot #: 2025-0136-1-12

Batch Number: AB-250130-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	1.45	mg/L		0.10	1	1/30/2025 9:54

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-0136-1-13

Batch Number: AB-250130-013

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.24	mg/L		0.02	1	1/30/2025 9:53

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-0136-2-01

Batch Number: AB-250129-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	1.79	mg/L		1.00	1	1/29/2025 20:16

Analytical Results



Collector: Geological, Arkansas

Site: TL-W-2379-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 8:40

Sample Barcode: 

Sample Number: 2025-0136

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0136-3-01

Batch Number: AB-250225-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	2/25/2025 12:12
Arsenic	<1.00*	ug/L		1.00	1	2/25/2025 12:12
Barium	24.5*	ug/L		1.00	1	2/25/2025 12:12
Beryllium	<1.00*	ug/L		1.00	1	2/25/2025 12:12
Cadmium	0.675*	ug/L		0.30	1	2/25/2025 12:12
Chromium	<1.00*	ug/L		1.00	1	2/25/2025 12:12
Cobalt	0.296*	ug/L		0.10	1	2/25/2025 12:12
Copper	0.771*	ug/L		0.50	1	2/25/2025 12:12
Lead	0.950*	ug/L		0.50	1	2/25/2025 12:12
Nickel	1.99*	ug/L		0.50	1	2/25/2025 12:12
Selenium	<5.00*	ug/L		5.00	1	2/25/2025 12:12
Silver	<0.100*	ug/L		0.10	1	2/25/2025 12:12
Thallium	<0.500*	ug/L		0.50	1	2/25/2025 12:12
Vanadium	<0.200*	ug/L		0.20	1	2/25/2025 12:12
Zinc	2330*	ug/L		500.00	100	2/25/2025 12:12

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0136-3-02

Batch Number: AB-250224-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	2/27/2025 10:44
Calcium	81.5*	mg/L		5.00	5	2/27/2025 14:16
Iron	9.25*	mg/L		0.50	5	2/27/2025 14:16
Magnesium	1.25*	mg/L		1.00	1	2/27/2025 10:44
Manganese	0.0468*	mg/L		0.02	1	2/27/2025 10:44
Potassium	2.93*	mg/L		1.00	1	2/27/2025 10:44
Sodium	2.76*	mg/L		1.00	1	2/27/2025 10:44
Hardness	209*	mg/L		1.00	1	2/27/2025 14:16
Phosphorus	<1.00*	mg/L		1.00	1	2/27/2025 10:44

Analytical Results



Collector: Geological, Arkansas

Site: TL-W-2379-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 8:40

Sample Barcode: 

Sample Number: 2025-0136

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0136-4-01

Batch Number: AB-250311-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	3/11/2025 12:46
Arsenic	<1.00*	ug/L		1.00	1	3/11/2025 12:46
Barium	20.3*	ug/L		1.00	1	3/11/2025 12:46
Beryllium	<1.00*	ug/L		1.00	1	3/11/2025 12:46
Cadmium	19.2*	ug/L		0.30	1	3/11/2025 12:46
Chromium	1.99*	ug/L		1.00	1	3/11/2025 12:46
Cobalt	0.263*	ug/L		0.10	1	3/11/2025 12:46
Copper	643*	ug/L		10.00	20	3/11/2025 12:46
Lead	145*	ug/L		25.00	50	3/11/2025 12:46
Nickel	4.42*	ug/L		0.50	1	3/11/2025 12:46
Selenium	<5.00*	ug/L		5.00	1	3/11/2025 12:46
Silver	0.155*	ug/L		0.10	1	3/11/2025 12:46
Thallium	<0.500*	ug/L		0.50	1	3/11/2025 12:46
Vanadium	0.981*	ug/L		0.20	1	3/11/2025 12:46
Zinc	11500*	ug/L		5,000.00	1000	3/11/2025 12:46

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0136-4-02

Batch Number: AB-250311-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	3/12/2025 9:32
Calcium	84.7*	mg/L		5.00	5	3/12/2025 11:39
Iron	6.88*	mg/L		0.50	5	3/12/2025 11:39
Magnesium	1.11*	mg/L		1.00	1	3/12/2025 9:32
Manganese	0.0356*	mg/L		0.02	1	3/12/2025 9:32
Potassium	<1.00*	mg/L		1.00	1	3/12/2025 9:32
Sodium	2.73*	mg/L		1.00	1	3/12/2025 9:32
Phosphorus	<1.00*	mg/L		1.00	1	3/12/2025 9:32

Analytical Results



Collector: Geological, Arkansas

Site: BX-W-1764-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 10:42

Sample Barcode: 

Sample Number: 2025-0137

Alkalinity as CaCO₃

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-0137-1-01

Batch Number: AB-250130-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	91.7	mg/L		6.00	1	1/29/2025 14:56

Ammonia as N

Method: SM 4500-NH₃ H, 2021

Analyst:

Aliquot #: 2025-0137-1-02

Batch Number: AB-250128-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	1/29/2025 10:55

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: CAC

Aliquot #: 2025-0137-1-03

Batch Number: AB-250129-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	1/29/2025 15:21
Chloride	7.50	mg/L		0.50	1	1/29/2025 15:21
Bromide	<0.10	mg/L		0.10	1	1/29/2025 15:21
Sulfate	3.92	mg/L		0.50	1	1/29/2025 15:21

Nitrate +Nitrite as N

Method: SM 4500-NO₃ F, 2019

Analyst:

Aliquot #: 2025-0137-1-04

Batch Number: AB-250130-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	6.50	mg/L		0.25	5	1/29/2025 11:33

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-0137-1-05

Batch Number: AB-250129-017

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.088	mg/L		0.02	1	1/29/2025 10:55

Analytical Results



Collector: Geological, Arkansas

Site: BX-W-1764-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 10:42

Sample Barcode: 

Sample Number: 2025-0137

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-0137-1-06

Batch Number: AB-250211-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.80	None			1	1/28/2025 10:42

Specific Conductance

Method: EPA 120.1, 1982

Analyst: JR

Aliquot #: 2025-0137-1-07

Batch Number: AB-250129-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	265	uS/cm		1.00	1	1/29/2025 10:08

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-0137-1-08

Batch Number: AB-250203-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	172	mg/L		10.00	1	1/29/2025 16:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-0137-1-09

Batch Number: AB-250211-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	9.80	°C	R		1	1/28/2025 10:42

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-0137-1-10

Batch Number: AB-250203-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	1/28/2025 16:05

Analytical Results



Collector: Geological, Arkansas

Site: BX-W-1764-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 10:42

Sample Barcode: 

Sample Number: 2025-0137

Turbidity

Method: EPA 180.1

Analyst: JR

Aliquot #: 2025-0137-1-11

Batch Number: AB-250129-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.65	NTU		0.05	1	1/29/2025 10:08

Total Kjeldahl Nitrogen as N

Method: SM 4500-N(org) C, 2021

Analyst:

Aliquot #: 2025-0137-1-12

Batch Number: AB-250130-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.55	mg/L		0.10	1	1/30/2025 9:57

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-0137-1-13

Batch Number: AB-250130-013

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.10	mg/L		0.02	1	1/30/2025 9:55

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-0137-2-01

Batch Number: AB-250129-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	1/29/2025 20:30

Analytical Results



Collector: Geological, Arkansas

Site: BX-W-1764-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 10:42

Sample Barcode: 

Sample Number: 2025-0137

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0137-3-01

Batch Number: AB-250225-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00*	ug/L		2.00	1	2/25/2025 12:24
Arsenic	<1.00*	ug/L		1.00	1	2/25/2025 12:24
Barium	104*	ug/L		5.00	5	2/25/2025 12:24
Beryllium	<1.00*	ug/L		1.00	1	2/25/2025 12:24
Cadmium	<0.300*	ug/L		0.30	1	2/25/2025 12:24
Chromium	<1.00*	ug/L		1.00	1	2/25/2025 12:24
Cobalt	<0.100*	ug/L		0.10	1	2/25/2025 12:24
Copper	23.9*	ug/L		0.50	1	2/25/2025 12:24
Lead	<0.500*	ug/L		0.50	1	2/25/2025 12:24
Nickel	0.567*	ug/L		0.50	1	2/25/2025 12:24
Selenium	<5.00*	ug/L		5.00	1	2/25/2025 12:24
Silver	<0.100*	ug/L		0.10	1	2/25/2025 12:24
Thallium	<0.500*	ug/L		0.50	1	2/25/2025 12:24
Vanadium	0.404*	ug/L		0.20	1	2/25/2025 12:24
Zinc	37.5*	ug/L		5.00	1	2/25/2025 12:24

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0137-3-02

Batch Number: AB-250224-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100*	mg/L		0.10	1	2/27/2025 10:49
Calcium	38.1*	mg/L		1.00	1	2/27/2025 10:49
Iron	<0.100*	mg/L		0.10	1	2/27/2025 10:49
Magnesium	3.06*	mg/L		1.00	1	2/27/2025 10:49
Manganese	<0.0200*	mg/L		0.02	1	2/27/2025 10:49
Potassium	4.36*	mg/L		1.00	1	2/27/2025 10:49
Sodium	7.06*	mg/L		1.00	1	2/27/2025 10:49
Hardness	108*	mg/L		1.00	1	2/27/2025 10:49
Phosphorus	<1.00*	mg/L		1.00	1	2/27/2025 10:49

Analytical Results



Collector: Geological, Arkansas

Site: BX-W-1764-01

Work Order Number: WO-250128-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 1/28/2025 10:42

Sample Barcode: 

Sample Number: 2025-0137

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0137-4-01

Batch Number: AB-250311-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00*	ug/L		2.00	1	3/11/2025 12:50
Arsenic	<1.00*	ug/L		1.00	1	3/11/2025 12:50
Barium	98.7*	ug/L		1.00	1	3/11/2025 12:50
Beryllium	<1.00*	ug/L		1.00	1	3/11/2025 12:50
Cadmium	<0.300*	ug/L		0.30	1	3/11/2025 12:50
Chromium	<1.00*	ug/L		1.00	1	3/11/2025 12:50
Cobalt	<0.100*	ug/L		0.10	1	3/11/2025 12:50
Copper	38.6*	ug/L		0.50	1	3/11/2025 12:50
Lead	3.43*	ug/L	R	0.50	1	3/11/2025 12:50
Nickel	0.596*	ug/L		0.50	1	3/11/2025 12:50
Selenium	<5.00*	ug/L		5.00	1	3/11/2025 12:50
Silver	<0.100*	ug/L		0.10	1	3/11/2025 12:50
Thallium	<0.500*	ug/L		0.50	1	3/11/2025 12:50
Vanadium	0.388*	ug/L		0.20	1	3/11/2025 12:50
Zinc	64.6*	ug/L		25.00	5	3/11/2025 12:50

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0137-4-02

Batch Number: AB-250311-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100*	mg/L		0.10	1	3/12/2025 9:34
Calcium	36.6*	mg/L		1.00	1	3/12/2025 9:34
Iron	<0.100*	mg/L		0.10	1	3/12/2025 9:34
Magnesium	2.95*	mg/L		1.00	1	3/12/2025 9:34
Manganese	<0.0200*	mg/L		0.02	1	3/12/2025 9:34
Potassium	4.23*	mg/L		1.00	1	3/12/2025 9:34
Sodium	6.99*	mg/L		1.00	1	3/12/2025 9:34
Phosphorus	<1.00*	mg/L		1.00	1	3/12/2025 9:34

Analytical Results



Collector: Geological, Arkansas

Site: Metals Field Blank

Work Order Number: WO-250128-03

Sample Classification: Special

Project: EVT

Matrix: Water

Collected: 1/28/2025 15:40

Sample Barcode: 

Sample Number: 2025-0138

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2025-0138-1-01

Batch Number: AB-250225-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00*	ug/L		2.00	1	2/25/2025 12:32
Arsenic	<1.00*	ug/L		1.00	1	2/25/2025 12:32
Barium	1.74*	ug/L		1.00	1	2/25/2025 12:32
Beryllium	<1.00*	ug/L		1.00	1	2/25/2025 12:32
Cadmium	<0.300*	ug/L		0.30	1	2/25/2025 12:32
Chromium	<1.00*	ug/L		1.00	1	2/25/2025 12:32
Cobalt	<0.100*	ug/L		0.10	1	2/25/2025 12:32
Copper	<0.500*	ug/L		0.50	1	2/25/2025 12:32
Lead	<0.500*	ug/L		0.50	1	2/25/2025 12:32
Nickel	0.698*	ug/L		0.50	1	2/25/2025 12:32
Selenium	<5.00*	ug/L		5.00	1	2/25/2025 12:32
Silver	<0.100*	ug/L		0.10	1	2/25/2025 12:32
Thallium	<0.500*	ug/L		0.50	1	2/25/2025 12:32
Vanadium	0.286*	ug/L		0.20	1	2/25/2025 12:32
Zinc	<5.00*	ug/L		5.00	1	2/25/2025 12:32

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2025-0138-1-02

Batch Number: AB-250224-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100*	mg/L		0.10	1	2/27/2025 10:52
Calcium	<1.00*	mg/L		1.00	1	2/27/2025 10:52
Iron	<0.100*	mg/L		0.10	1	2/27/2025 10:52
Magnesium	<1.00*	mg/L		1.00	1	2/27/2025 10:52
Manganese	<0.0200*	mg/L		0.02	1	2/27/2025 10:52
Potassium	<1.00*	mg/L		1.00	1	2/27/2025 10:52
Sodium	<1.00*	mg/L		1.00	1	2/27/2025 10:52
Hardness	<1.00*	mg/L		1.00	1	2/27/2025 10:52
Phosphorus	<1.00*	mg/L		1.00	1	2/27/2025 10:52

QUALITY CONTROL REPORT

Project: **EVT Routine+Metals 2025 0134-0138**

Date and Time Received: 1/28/2025 15:45:00

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-250128-004		Parent Sample:	2025-0122			
	mg/L	<0.03	0.03	102.8 /	80-120			-		104.0 / 106.5	80-120	2.4	-	
Turbidity		EPA 180.1					Batch #:	AB-250129-001		Parent Sample:				
	NTU	<0.05	0.05	100.8 /	90-110			-		/	-		-	
Anions		EPA 300.0 (Rev.2.1, 1993)					Batch #:	AB-250129-002		Parent Sample:	2025-0122			
Br	mg/L	<0.10	0.10	93.5 /	90-110			-		86.9 / 87.9	80-120	1.2	-	
Cl	mg/L	<0.50	0.50	97.8 /	90-110			-		99.5 / 100.5	80-120	0.9	-	
F	mg/L	<0.10	0.10	99.8 /	90-110			-		99.0 / 100.1	80-120	1.1	-	
SO4	mg/L	<0.50	0.50	98.2 /	90-110			-		98.5 / 99.5	80-120	0.7	-	
Specific Conductance		EPA 120.1, 1982					Batch #:	AB-250129-006		Parent Sample:				
	uS/cm	<1.00	1.00	99.1 /	95-105			-		/	-		-	
Orthophosphate as P		SM 4500-P G, 2021					Batch #:	AB-250129-017		Parent Sample:	2025-0122			
	mg/L	<0.02	0.02	102.0 /	80-120			-		99.8 / 101.8	80-120	1.9	-	
		SM 5310 C, 2014					Batch #:	AB-250129-018		Parent Sample:	2025-0131			
	mg/L	<1.00	1,000.00	95.4 /	85-115			-		92.6 / 93.8	80-120	1.2	-	
Nitrate +Nitrite as N		SM 4500-NO3 F, 2019					Batch #:	AB-250130-001		Parent Sample:	2025-0122			
	mg/L	<0.05	0.05	101.8 /	80-120			-		101.2 / 101.5	80-120	0.3	-	
Alkalinity as CaCO3		EPA 310.2 (Rev. 1974)					Batch #:	AB-250130-005		Parent Sample:				
	mg/L	<6.00	6.00	99.3 /	90-110			-		/	-		-	
		SM 4500-N(org) C, 2021					Batch #:	AB-250130-009		Parent Sample:	2025-0122			
	mg/L	<0.10	0.10	104.0 /	85-115			-		98.1 / 98.1	80-120	0.0	-	B+
		SM 4500-P G, 2021					Batch #:	AB-250130-013		Parent Sample:	2025-0122			
	mg/L	<0.02	0.02	105.0 /	85-115			-		101.8 / 105.3	80-120	3.3	-	
Total Suspended Solids		SM 2540 D, 2020					Batch #:	AB-250203-001		Parent Sample:				
	mg/L	<2.00	2.00	98.3 /	90-110			-		/	-		-	
Total Dissolved Solids		SM 2540 C, 2020					Batch #:	AB-250203-005		Parent Sample:				
	mg/L	<10.0	10.00	104.0 /	90-110			-		/	-		-	
ICP/OES Metals (Dissolved)		EPA 200.7					Batch #:	AB-250224-001		Parent Sample:	2025-0134			
Al	mg/L	<0.100	0.10	96.5 /	85-115			-		98.0 / 96.2	70-131	1.9	-	

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	100.9 /	85-115		-			92.3 / 90.9	70-131	0.2	-	
Fe	mg/L	<0.100	0.10	99.7 /	85-115		-			99.1 / 97.4	70-131	1.7	-	
K	mg/L	<1.00	1.00	96.8 /	85-115		-			98.8 / 96.1	70-131	2.5	-	
Mg	mg/L	<1.00	1.00	100.3 /	85-115		-			100.0 / 98.2	70-131	1.3	-	
Mn	mg/L	<0.0200	0.02	100.9 /	85-115		-			99.9 / 97.9	70-131	2.1	-	
Na	mg/L	<1.00	1.00	98.7 /	85-115		-			101.4 / 99.6	70-131	1.2	-	
P	mg/L	<1.00	1.00	98.6 /	85-115		-			101.5 / 99.8	70-131	1.7	-	

ICP/MS Metals (Dissolved)		EPA 200.8 (Rev. 5.4, 1994)				Batch #:	AB-250225-001	Parent Sample:		2025-0134				
Ag	ug/L	<0.100	0.10	84.7 /	85-115		-	83.1 / 82.1	70-130	1.3	-			
As	ug/L	<1.00	1.00	95.3 /	85-115		-	98.5 / 95.9	70-130	2.7	-			
Ba	ug/L	<1.00	1.00	92.6 /	85-115		-	89.9 / 87.1	70-130	1.7	-			
Be	ug/L	<1.00	1.00	96.0 /	85-115		-	97.9 / 94.7	70-130	3.3	-			
Cd	ug/L	<0.300	0.30	93.7 /	85-115		-	95.8 / 92.8	70-130	3.1	-			
Co	ug/L	<0.100	0.10	87.5 /	85-115		-	84.2 / 82.1	70-130	2.5	-			
Cr	ug/L	<1.00	1.00	90.7 /	85-115		-	90.0 / 88.1	70-130	2.2	-			
Cu	ug/L	<0.500	0.50	85.9 /	85-115		-	80.9 / 79.3	70-130	2.1	-			
Ni	ug/L	<0.500	0.50	86.6 /	85-115		-	82.2 / 80.7	70-130	1.7	-			
Pb	ug/L	<0.500	0.50	94.9 /	85-115		-	94.9 / 93.7	70-130	1.2	-			
Sb	ug/L	<2.00	2.00	99.0 /	85-115		-	101.8 / 99.3	70-130	2.4	-			
Se	ug/L	<5.00	5.00	98.0 /	85-115		-	102.0 / 99.6	70-130	2.3	-			
Tl	ug/L	<0.500	0.50	93.3 /	85-115		-	95.8 / 93.8	70-130	2.1	-			
V	ug/L	<0.200	0.20	90.9 /	85-115		-	91.1 / 88.7	70-130	2.6	-			
Zn	ug/L	<5.00	5.00	96.3 /	85-115		-	91.9 / 89.9	70-130	1.2	-			

		EPA 200.8 (Rev. 5.4, 1994)				Batch #:	AB-250311-002	Parent Sample:		2025-0134				
Ag	ug/L	<0.100	0.10	86.0 /	85-115		-	82.9 / 82.4	70-130	0.6	-			
As	ug/L	<1.00	1.00	94.8 /	85-115		-	95.0 / 95.6	70-130	0.6	-			
Ba	ug/L	<1.00	1.00	90.0 /	85-115		-	78.6 / 77.6	70-130	0.6	-			
Be	ug/L	<1.00	1.00	97.5 /	85-115		-	100.3 / 98.2	70-130	2.1	-			
Cd	ug/L	<0.300	0.30	96.2 /	85-115		-	96.4 / 96.6	70-130	0.3	-			
Co	ug/L	<0.100	0.10	89.2 /	85-115		-	84.2 / 84.5	70-130	0.3	-			
Cr	ug/L	<1.00	1.00	91.8 /	85-115		-	88.7 / 89.9	70-130	1.1	-			
Cu	ug/L	<0.500	0.50	87.6 /	85-115		-	79.5 / 80.2	70-130	0.9	-			
Ni	ug/L	<0.500	0.50	88.3 /	85-115		-	81.0 / 82.0	70-130	0.9	-			
Pb	ug/L	<0.500	0.50	94.4 /	85-115		-	92.6 / 93.3	70-130	0.6	-			
Sb	ug/L	<2.00	2.00	98.8 /	85-115		-	89.4 / 90.2	70-130	0.9	-			
Se	ug/L	<5.00	5.00	98.0 /	85-115		-	98.7 / 100.1	70-130	1.4	-			
Tl	ug/L	<0.500	0.50	92.3 /	85-115		-	92.2 / 91.9	70-130	0.3	-			
V	ug/L	<0.200	0.20	91.2 /	85-115		-	87.7 / 88.9	70-130	1.1	-			
Zn	ug/L	<5.00	5.00	96.9 /	85-115		-	95.2 / 94.0	70-130	0.4	-			

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-250311-009		Parent Sample:		2025-0134			
Al	mg/L	<0.100	0.10	98.1 /	85-115		-			99.0 / 99.3	70-130	0.2	-	
Ca	mg/L	<1.00	1.00	100.1 /	85-115		-			90.9 / 88.6	70-130	0.3	-	
Fe	mg/L	<0.100	0.10	98.2 /	85-115		-			105.7 / 104.4	70-130	0.4	-	
K	mg/L	<1.00	1.00	98.8 /	85-115		-			97.5 / 98.2	70-130	0.7	-	
Mg	mg/L	<1.00	1.00	99.2 /	85-115		-			96.9 / 97.5	70-130	0.5	-	
Mn	mg/L	<0.0200	0.02	99.0 /	85-115		-			93.8 / 94.2	70-130	0.2	-	
Na	mg/L	<1.00	1.00	100.6 /	85-115		-			101.3 / 101.8	70-130	0.3	-	
P	mg/L	<1.00	1.00	100.6 /	85-115		-			101.4 / 102.3	70-130	0.9	-	

FIELD QUALITY CONTROL REPORT

Work Order # WO-250128-03

Parent Sample 2025-0134

Analyte(s)	Parent Sample Result	Field Dup Result	Units	% RPD	Limits	Batch Number
Aliquot #	AB-250128-004 Dup - Field 3		Parent Aliquot #	2025-0134-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-250128-004
Aliquot #	AB-250128-004 Dup - Field 4		Parent Aliquot #	2025-0137-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-250128-004
Aliquot #	AB-250129-001 Dup - Field 2		Parent Aliquot #	2025-0134-1-11		
Turbidity		37.1	NTU	7.27	0 - 20	AB-250129-001
Aliquot #	AB-250129-001 Dup - Field 3		Parent Aliquot #	2025-0137-1-11		
Turbidity		0.69	NTU	5.97	0 - 20	AB-250129-001
Aliquot #	AB-250129-002 Dup - Field 3		Parent Aliquot #	2025-0134-1-03		
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-250129-002
Chloride		3.76	mg/L	0.25	0 - 20	AB-250129-002
Bromide		0.12	mg/L	3.44	0 - 20	AB-250129-002
Sulfate		8.43	mg/L	0.33	0 - 20	AB-250129-002
Aliquot #	AB-250129-002 Dup - Field 4		Parent Aliquot #	2025-0137-1-03		
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-250129-002
Chloride		7.51	mg/L	0.19	0 - 20	AB-250129-002
Bromide		<0.10	mg/L	0.00	0 - 20	AB-250129-002
Sulfate		3.92	mg/L	0.05	0 - 20	AB-250129-002
Aliquot #	AB-250129-006 Dup - Field 2		Parent Aliquot #	2025-0134-1-07		
Specific Conductance		356	uS/cm	0.00	0 - 20	AB-250129-006
Aliquot #	AB-250129-006 Dup - Field 3		Parent Aliquot #	2025-0137-1-07		
Specific Conductance		265	uS/cm	0.00	0 - 20	AB-250129-006
Aliquot #	AB-250129-017 Dup - Field 3		Parent Aliquot #	2025-0134-1-05		
Orthophosphate as Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-250129-017
Aliquot #	AB-250129-017 Dup - Field 4		Parent Aliquot #	2025-0137-1-05		
Orthophosphate as Phosphorus		0.09	mg/L	0.46	0 - 20	AB-250129-017
Aliquot #	AB-250129-018 Dup - Field 2		Parent Aliquot #	2025-0134-2-01		
Dissolved Organic Carbon		<1.00	mg/L	10.68	0 - 20	AB-250129-018
Aliquot #	AB-250129-018 Dup - Field 3		Parent Aliquot #	2025-0137-2-01		
Dissolved Organic Carbon		<1.00	mg/L	3.67	0 - 20	AB-250129-018
Aliquot #	AB-250130-001 Dup - Field 3		Parent Aliquot #	2025-0134-1-04		
Nitrite+Nitrate as Nitrogen		2.00	mg/L	1.51	0 - 20	AB-250130-001

Aliquot #	AB-250130-001 Dup - Field 4		Parent Aliquot #	2025-0137-1-04	
Nitrite+Nitrate as Nitrogen	6.45	mg/L	0.77	0 - 20	AB-250130-001
Aliquot #	AB-250130-005 Dup - Field 3		Parent Aliquot #	2025-0134-1-01	
Alkalinity	162	mg/L	0.00	0 - 20	AB-250130-005
Aliquot #	AB-250130-005 Dup - Field 4		Parent Aliquot #	2025-0137-1-01	
Alkalinity	90.5	mg/L	1.32	0 - 20	AB-250130-005
Aliquot #	AB-250130-009 Dup - Field 3		Parent Aliquot #	2025-0134-1-12	
Total Kjeldahl Nitrogen	0.13	mg/L	88.89	0 - 20	AB-250130-009
Aliquot #	AB-250130-009 Dup - Field 4		Parent Aliquot #	2025-0137-1-12	
Total Kjeldahl Nitrogen	0.30	mg/L	58.82	0 - 20	AB-250130-009
Aliquot #	AB-250130-013 Dup - Field 3		Parent Aliquot #	2025-0134-1-13	
Total Phosphorus	0.08	mg/L	3.02	0 - 20	AB-250130-013
Aliquot #	AB-250130-013 Dup - Field 4		Parent Aliquot #	2025-0137-1-13	
Total Phosphorus	0.10	mg/L	0.82	0 - 20	AB-250130-013
Aliquot #	AB-250203-001 Dup - Field 3		Parent Aliquot #	2025-0134-1-10	
Total Suspended Solids	21.8	mg/L	5.59	0 - 5	AB-250203-001
Aliquot #	AB-250203-001 Dup - Field 4		Parent Aliquot #	2025-0137-1-10	
Total Suspended Solids	<2.00	mg/L	0.00	0 - 5	AB-250203-001
Aliquot #	AB-250203-005 Dup - Field 3		Parent Aliquot #	2025-0134-1-08	
Total Dissolved Solids	216	mg/L	3.87	0 - 5	AB-250203-005
Aliquot #	AB-250203-005 Dup - Field 4		Parent Aliquot #	2025-0137-1-08	
Total Dissolved Solids	176	mg/L	2.59	0 - 5	AB-250203-005
Aliquot #	AB-250211-001 Dup - Field 1		Parent Aliquot #	2025-0134-1-06	
pH	7.33	units	0.00	0 - 20	AB-250211-001
Aliquot #	AB-250211-001 Dup - Field 2		Parent Aliquot #	2025-0137-1-06	
pH	6.80	units	0.00	0 - 20	AB-250211-001
Aliquot #	AB-250211-002 Dup - Field 1		Parent Aliquot #	2025-0134-1-09	
Water Temperature	14.9	°C	0.00	0 - 20	AB-250211-002
Aliquot #	AB-250211-002 Dup - Field 2		Parent Aliquot #	2025-0137-1-09	
Water Temperature	9.80	°C	0.00	0 - 20	AB-250211-002
Aliquot #	AB-250224-001 Dup - Field 1		Parent Aliquot #	2025-0134-3-02	
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250224-001
Calcium	65.0	mg/L	0.56	0 - 20	AB-250224-001
Iron	<0.100	mg/L	0.00	0 - 20	AB-250224-001
Magnesium	4.19	mg/L	0.75	0 - 20	AB-250224-001
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250224-001
Potassium	1.09	mg/L	1.62	0 - 20	AB-250224-001
Sodium	4.98	mg/L	0.58	0 - 20	AB-250224-001

Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250224-001
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Aliquot #	AB-250224-001 Dup - Field 2	Parent Aliquot #	2025-0137-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250224-001
Calcium	38.1	mg/L	0.25	0 - 20	AB-250224-001
Iron	<0.100	mg/L	0.00	0 - 20	AB-250224-001
Magnesium	3.05	mg/L	0.35	0 - 20	AB-250224-001
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250224-001
Potassium	4.37	mg/L	0.20	0 - 20	AB-250224-001
Sodium	7.05	mg/L	0.17	0 - 20	AB-250224-001
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250224-001

Aliquot #	AB-250225-001 Dup - Field 1	Parent Aliquot #	2025-0134-3-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250225-001
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250225-001
Barium	38.8	ug/L	1.38	0 - 20	AB-250225-001
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250225-001
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250225-001
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250225-001
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-250225-001
Copper	<0.500	ug/L	0.00	0 - 20	AB-250225-001
Lead	<0.500	ug/L	0.00	0 - 20	AB-250225-001
Nickel	1.50	ug/L	2.23	0 - 20	AB-250225-001
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250225-001
Silver	<0.100	ug/L	0.00	0 - 20	AB-250225-001
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250225-001
Vanadium	0.210	ug/L	59.13	0 - 20	AB-250225-001
Zinc	21.2	ug/L	3.60	0 - 20	AB-250225-001

Aliquot #	AB-250225-001 Dup - Field 2	Parent Aliquot #	2025-0137-3-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250225-001
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250225-001
Barium	105	ug/L	0.45	0 - 20	AB-250225-001
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250225-001
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250225-001
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250225-001
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-250225-001
Copper	24.3	ug/L	1.33	0 - 20	AB-250225-001
Lead	<0.500	ug/L	0.00	0 - 20	AB-250225-001
Nickel	0.581	ug/L	2.54	0 - 20	AB-250225-001
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250225-001
Silver	<0.100	ug/L	0.00	0 - 20	AB-250225-001
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250225-001
Vanadium	0.384	ug/L	5.09	0 - 20	AB-250225-001
Zinc	39.2	ug/L	4.48	0 - 20	AB-250225-001

Aliquot #	AB-250311-002 Dup - Field 1	Parent Aliquot #	2025-0134-4-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250311-002

Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250311-002
Barium	39.8	ug/L	3.43	0 - 20	AB-250311-002
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250311-002
Cadmium	<0.300	ug/L	35.12	0 - 20	AB-250311-002
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250311-002
Cobalt	0.904	ug/L	28.98	0 - 20	AB-250311-002
Copper	0.777	ug/L	26.19	0 - 20	AB-250311-002
Lead	0.726	ug/L	17.17	0 - 20	AB-250311-002
Nickel	5.62	ug/L	27.37	0 - 20	AB-250311-002
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250311-002
Silver	<0.100	ug/L	0.00	0 - 20	AB-250311-002
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250311-002
Vanadium	0.785	ug/L	13.74	0 - 20	AB-250311-002
Zinc	46.7	ug/L	15.59	0 - 20	AB-250311-002

Aliquot #	AB-250311-002 Dup - Field 2		Parent Aliquot #	2025-0137-4-01	
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250311-002
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250311-002
Barium	99.4	ug/L	0.67	0 - 20	AB-250311-002
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250311-002
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250311-002
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250311-002
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-250311-002
Copper	35.4	ug/L	8.50	0 - 20	AB-250311-002
Lead	2.56	ug/L	29.08	0 - 20	AB-250311-002
Nickel	0.624	ug/L	4.57	0 - 20	AB-250311-002
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250311-002
Silver	<0.100	ug/L	0.00	0 - 20	AB-250311-002
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250311-002
Vanadium	0.383	ug/L	1.22	0 - 20	AB-250311-002
Zinc	53.9	ug/L	0.00	0 - 20	AB-250311-002

Aliquot #	AB-250311-009 Dup - Field 1		Parent Aliquot #	2025-0134-4-02	
Aluminum	0.261	mg/L	6.81	0 - 20	AB-250311-009
Calcium	62.7	mg/L	0.97	0 - 20	AB-250311-009
Iron	1.58	mg/L	28.04	0 - 20	AB-250311-009
Magnesium	4.10	mg/L	0.72	0 - 20	AB-250311-009
Manganese	0.181	mg/L	30.00	0 - 20	AB-250311-009
Potassium	1.03	mg/L	5.89	0 - 20	AB-250311-009
Sodium	5.01	mg/L	0.87	0 - 20	AB-250311-009
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250311-009

Aliquot #	AB-250311-009 Dup - Field 2		Parent Aliquot #	2025-0137-4-02	
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250311-009
Calcium	36.9	mg/L	0.64	0 - 20	AB-250311-009
Iron	<0.100	mg/L	0.00	0 - 20	AB-250311-009
Magnesium	2.96	mg/L	0.52	0 - 20	AB-250311-009

Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250311-009
Potassium	4.19	mg/L	1.07	0 - 20	AB-250311-009
Sodium	7.03	mg/L	0.53	0 - 20	AB-250311-009
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250311-009