

Analytical Results



Lab Contact Info:

ADEQ Laboratory and Monitoring Services

5301 Northshore Drive, North Little Rock, AR 72118

www.adeq.state.ar.us

Alysha(Paige) Heigle

Alysha.Heigle@arkansas.gov



Collector: Geological, Arkansas

Project: EVT

Project Description: EVT Routine+Metals 2025 1271-1274

Date and Time Received: 7/15/2025 15:43:00

Work Order Number: WO-250715-03

Case Narrative:

Total Kjeldahl Nitrogen calculation may be affected when dilutions are needed for Nitrite-Nitrate as Nitrogen.

Sample Receipt Conditions:

Condition	Response	Comment
Is the COC completed properly?	Yes	
Temperature on Receipt	1.9°C	
Received on Ice	Yes	
Containers are Correct	Yes	
Custody Seals	No	
COC/Labels Agree	Yes	

Data Qualifiers

Qualifier Flag	Description
----------------	-------------

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: ABARY573-W-01	Work Order Number: WO-250715-03
Sample Classification: Routine Monitoring	Project:	EVT
Matrix: Water	Collected:	7/14/2025 15:00
Sample Barcode: 	Sample Number:	2025-1271

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

Aliquot #: 2025-1271-1-01 **Batch Number: AB-250718-007**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	193	mg/L		6.00	1	7/16/2025 10:35

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

Aliquot #: 2025-1271-1-02 **Batch Number: AB-250715-016**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	7/15/2025 17:28

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

Aliquot #: 2025-1271-1-03 **Batch Number: AB-250716-010**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	7/16/2025 21:28
Chloride	4.09	mg/L		0.50	1	7/16/2025 21:28
Bromide	0.12	mg/L		0.10	1	7/16/2025 21:28
Sulfate	26.0	mg/L		0.50	1	7/16/2025 21:28

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

Aliquot #: 2025-1271-1-04 **Batch Number: AB-250718-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	5.85	mg/L		0.25	5	7/15/2025 17:28

Analytical Results



Collector: Geological, Arkansas

Site: ABARY573-W-01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/14/2025 15:00

Sample Barcode: 

Sample Number: 2025-1271

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1271-1-05

Batch Number: AB-250718-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.051	mg/L		0.02	1	7/15/2025 17:28

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1271-1-06

Batch Number: AB-250804-030

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.33	None			1	7/14/2025 15:00

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1271-1-07

Batch Number: AB-250716-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	466	uS/cm		1.00	1	7/16/2025 9:07

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1271-1-08

Batch Number: AB-250717-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	284	mg/L		10.00	1	7/16/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1271-1-09

Batch Number: AB-250804-031

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	20.9	°C			1	7/14/2025 15:00

Analytical Results



Collector: Geological, Arkansas

Site: ABARY573-W-01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/14/2025 15:00

Sample Barcode: 

Sample Number: 2025-1271

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1271-1-10

Batch Number: AB-250717-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	4.75	mg/L		2.00	1	7/15/2025 16:06

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1271-1-11

Batch Number: AB-250716-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	1.02	NTU		0.05	1	7/16/2025 9:07

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1271-1-12

Batch Number: AB-250718-013

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.82	mg/L		0.10	1	7/18/2025 11:29

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1271-1-13

Batch Number: AB-250718-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	7/18/2025 11:29

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1271-2-01

Batch Number: AB-250716-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	7/17/2025 11:10

Analytical Results



Collector: Geological, Arkansas

Site: ABARY573-W-01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/14/2025 15:00

Sample Barcode: 

Sample Number: 2025-1271

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1271-3-01

Batch Number: AB-250717-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/24/2025 10:43
Arsenic	<1.00	ug/L		1.00	1	7/24/2025 10:43
Barium	29.3	ug/L		1.00	1	7/24/2025 10:43
Beryllium	<1.00	ug/L		1.00	1	7/24/2025 10:43
Cadmium	<0.300	ug/L		0.30	1	7/24/2025 10:43
Chromium	<1.00	ug/L		1.00	1	7/24/2025 10:43
Cobalt	0.141	ug/L		0.10	1	7/24/2025 10:43
Copper	6.10	ug/L		0.50	1	7/24/2025 10:43
Lead	1.13	ug/L		0.50	1	7/24/2025 10:43
Nickel	2.52	ug/L		0.50	1	7/24/2025 10:43
Selenium	<5.00	ug/L		5.00	1	7/24/2025 10:43
Silver	<0.100	ug/L		0.10	1	7/24/2025 10:43
Thallium	<0.500	ug/L		0.50	1	7/24/2025 10:43
Vanadium	<0.200	ug/L		0.20	1	7/24/2025 10:43
Zinc	15.8	ug/L		5.00	1	7/24/2025 10:43

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1271-3-02

Batch Number: AB-250717-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/28/2025 9:57
Calcium	77.6	mg/L		5.00	5	7/28/2025 12:05
Iron	<0.100	mg/L		0.10	1	7/28/2025 9:57
Magnesium	5.73	mg/L		1.00	1	7/28/2025 9:57
Manganese	<0.0200	mg/L		0.02	1	7/28/2025 9:57
Potassium	<1.00	mg/L		1.00	1	7/28/2025 9:57
Sodium	10.9	mg/L		1.00	1	7/28/2025 9:57
Hardness	217	mg/L		1.00	1	7/28/2025 12:05
Phosphorus	<1.00	mg/L		1.00	1	7/28/2025 9:57

Analytical Results



Collector: Geological, Arkansas

Site: ABARY573-W-01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/14/2025 15:00

Sample Barcode: 

Sample Number: 2025-1271

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1271-4-01

Batch Number: AB-250717-004

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	7/21/2025 13:21
Arsenic	<1.00	ug/L		1.00	1	7/21/2025 13:21
Barium	32.2	ug/L		1.00	1	7/21/2025 13:21
Beryllium	<1.00	ug/L		1.00	1	7/21/2025 13:21
Cadmium	<0.300	ug/L		0.30	1	7/21/2025 13:21
Chromium	<1.00	ug/L		1.00	1	7/21/2025 13:21
Cobalt	0.182	ug/L		0.10	1	7/21/2025 13:21
Copper	16.3	ug/L		0.50	1	7/21/2025 13:21
Lead	3.18	ug/L		0.50	1	7/21/2025 13:21
Nickel	2.59	ug/L		0.50	1	7/21/2025 13:21
Selenium	<5.00	ug/L		5.00	1	7/21/2025 13:21
Silver	<0.100	ug/L		0.10	1	7/21/2025 13:21
Thallium	<0.500	ug/L		0.50	1	7/21/2025 13:21
Vanadium	<0.200	ug/L		0.20	1	7/21/2025 13:21
Zinc	19.1	ug/L		5.00	1	7/21/2025 13:21

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1271-4-02

Batch Number: AB-250717-006

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/28/2025 7:37
Calcium	84.7	mg/L		5.00	5	7/28/2025 8:22
Iron	<0.100	mg/L		0.10	1	7/28/2025 7:37
Magnesium	6.32	mg/L		1.00	1	7/28/2025 7:37
Manganese	<0.0200	mg/L		0.02	1	7/28/2025 7:37
Potassium	<1.00	mg/L		1.00	1	7/28/2025 7:37
Sodium	12.6	mg/L		1.00	1	7/28/2025 7:37
Phosphorus	<1.00	mg/L		1.00	1	7/28/2025 7:37

Analytical Results



Collector: Geological, Arkansas

Site: HWY112-SPR01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 10:45

Sample Barcode: 

Sample Number: 2025-1272

Alkalinity as CaCO₃

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-1272-1-01

Batch Number: AB-250718-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	142	mg/L		6.00	1	7/16/2025 10:39

Ammonia as N

Method: SM 4500-NH₃ H, 2021

Analyst:

Aliquot #: 2025-1272-1-02

Batch Number: AB-250715-016

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	7/15/2025 17:32

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: SD

Aliquot #: 2025-1272-1-03

Batch Number: AB-250716-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	7/16/2025 21:46
Chloride	7.43	mg/L		0.50	1	7/16/2025 21:46
Bromide	<0.10	mg/L		0.10	1	7/16/2025 21:46
Sulfate	5.38	mg/L		0.50	1	7/16/2025 21:46

Nitrate +Nitrite as N

Method: SM 4500-NO₃ F, 2019

Analyst:

Aliquot #: 2025-1272-1-04

Batch Number: AB-250718-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.21	mg/L		0.05	1	7/15/2025 17:32

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1272-1-05

Batch Number: AB-250718-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.060	mg/L		0.02	1	7/15/2025 17:32

Analytical Results



Collector: Geological, Arkansas

Site: HWY112-SPR01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 10:45

Sample Barcode: 

Sample Number: 2025-1272

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1272-1-06

Batch Number: AB-250804-030

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.75	None			1	7/15/2025 10:45

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1272-1-07

Batch Number: AB-250716-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	315	uS/cm		1.00	1	7/16/2025 9:19

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1272-1-08

Batch Number: AB-250717-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	186	mg/L		10.00	1	7/16/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1272-1-09

Batch Number: AB-250804-031

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	23.4	°C			1	7/15/2025 10:45

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1272-1-10

Batch Number: AB-250717-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	4.50	mg/L		2.00	1	7/15/2025 16:06

Analytical Results



Collector: Geological, Arkansas

Site: HWY112-SPR01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 10:45

Sample Barcode: 

Sample Number: 2025-1272

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1272-1-11

Batch Number: AB-250716-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	2.99	NTU		0.05	1	7/16/2025 9:19

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1272-1-12

Batch Number: AB-250718-013

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.14	mg/L		0.10	1	7/18/2025 11:32

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1272-1-13

Batch Number: AB-250718-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	7/18/2025 11:32

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1272-2-01

Batch Number: AB-250716-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	7/17/2025 11:39

Analytical Results



Collector: Geological, Arkansas

Site: HWY112-SPR01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 10:45

Sample Barcode: 

Sample Number: 2025-1272

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1272-3-01

Batch Number: AB-250717-007

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	7/24/2025 10:51
Arsenic	<1.00	ug/L		1.00	1	7/24/2025 10:51
Barium	40.6	ug/L		1.00	1	7/24/2025 10:51
Beryllium	<1.00	ug/L		1.00	1	7/24/2025 10:51
Cadmium	<0.300	ug/L		0.30	1	7/24/2025 10:51
Chromium	<1.00	ug/L		1.00	1	7/24/2025 10:51
Cobalt	<0.100	ug/L		0.10	1	7/24/2025 10:51
Copper	<0.500	ug/L		0.50	1	7/24/2025 10:51
Lead	<0.500	ug/L		0.50	1	7/24/2025 10:51
Nickel	<0.500	ug/L		0.50	1	7/24/2025 10:51
Selenium	<5.00	ug/L		5.00	1	7/24/2025 10:51
Silver	<0.100	ug/L		0.10	1	7/24/2025 10:51
Thallium	<0.500	ug/L		0.50	1	7/24/2025 10:51
Vanadium	0.299	ug/L		0.20	1	7/24/2025 10:51
Zinc	<5.00	ug/L		5.00	1	7/24/2025 10:51

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1272-3-02

Batch Number: AB-250717-009

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/28/2025 10:00
Calcium	55.1	mg/L		5.00	5	7/28/2025 12:08
Iron	<0.100	mg/L		0.10	1	7/28/2025 10:00
Magnesium	1.20	mg/L		1.00	1	7/28/2025 10:00
Manganese	0.0203	mg/L		0.02	1	7/28/2025 10:00
Potassium	<1.00	mg/L		1.00	1	7/28/2025 10:00
Sodium	7.41	mg/L		1.00	1	7/28/2025 10:00
Hardness	143	mg/L		1.00	1	7/28/2025 12:08
Phosphorus	<1.00	mg/L		1.00	1	7/28/2025 10:00

Analytical Results



Collector: Geological, Arkansas

Site: HWY112-SPR01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 10:45

Sample Barcode: 

Sample Number: 2025-1272

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1272-4-01

Batch Number: AB-250717-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/21/2025 13:45
Arsenic	<1.00	ug/L		1.00	1	7/21/2025 13:45
Barium	44.8	ug/L		1.00	1	7/21/2025 13:45
Beryllium	<1.00	ug/L		1.00	1	7/21/2025 13:45
Cadmium	<0.300	ug/L		0.30	1	7/21/2025 13:45
Chromium	<1.00	ug/L		1.00	1	7/21/2025 13:45
Cobalt	0.147	ug/L		0.10	1	7/21/2025 13:45
Copper	<0.500	ug/L		0.50	1	7/21/2025 13:45
Lead	<0.500	ug/L		0.50	1	7/21/2025 13:45
Nickel	0.507	ug/L		0.50	1	7/21/2025 13:45
Selenium	<5.00	ug/L		5.00	1	7/21/2025 13:45
Silver	<0.100	ug/L		0.10	1	7/21/2025 13:45
Thallium	<0.500	ug/L		0.50	1	7/21/2025 13:45
Vanadium	0.374	ug/L		0.20	1	7/21/2025 13:45
Zinc	5.41	ug/L		5.00	1	7/21/2025 13:45

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1272-4-02

Batch Number: AB-250717-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/28/2025 7:47
Calcium	59.5	mg/L		5.00	5	7/28/2025 8:25
Iron	0.120	mg/L		0.10	1	7/28/2025 7:47
Magnesium	1.34	mg/L		1.00	1	7/28/2025 7:47
Manganese	0.0315	mg/L		0.02	1	7/28/2025 7:47
Potassium	<1.00	mg/L		1.00	1	7/28/2025 7:47
Sodium	8.68	mg/L		1.00	1	7/28/2025 7:47
Phosphorus	<1.00	mg/L		1.00	1	7/28/2025 7:47

Analytical Results



Collector: Geological, Arkansas

Site: ECK4011-W01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 11:22

Sample Barcode: 

Sample Number: 2025-1273

Alkalinity as CaCO₃

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-1273-1-01

Batch Number: AB-250718-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	129	mg/L		6.00	1	7/16/2025 10:41

Ammonia as N

Method: SM 4500-NH₃ H, 2021

Analyst:

Aliquot #: 2025-1273-1-02

Batch Number: AB-250715-016

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	7/15/2025 17:35

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: SD

Aliquot #: 2025-1273-1-03

Batch Number: AB-250716-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	7/16/2025 22:21
Chloride	2.05	mg/L		0.50	1	7/16/2025 22:21
Bromide	<0.10	mg/L		0.10	1	7/16/2025 22:21
Sulfate	4.14	mg/L		0.50	1	7/16/2025 22:21

Nitrate +Nitrite as N

Method: SM 4500-NO₃ F, 2019

Analyst:

Aliquot #: 2025-1273-1-04

Batch Number: AB-250718-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	0.56	mg/L		0.05	1	7/15/2025 17:35

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1273-1-05

Batch Number: AB-250718-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.054	mg/L		0.02	1	7/15/2025 17:35

Analytical Results



Collector: Geological, Arkansas

Site: ECK4011-W01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 11:22

Sample Barcode: 

Sample Number: 2025-1273

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1273-1-06

Batch Number: AB-250804-030

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.47	None			1	7/15/2025 11:22

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1273-1-07

Batch Number: AB-250716-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	263	uS/cm		1.00	1	7/16/2025 9:35

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1273-1-08

Batch Number: AB-250717-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	154	mg/L		10.00	1	7/16/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1273-1-09

Batch Number: AB-250804-031

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	20.8	°C			1	7/15/2025 11:22

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1273-1-10

Batch Number: AB-250717-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	7/15/2025 16:06

Analytical Results



Collector: Geological, Arkansas

Site: ECK4011-W01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 11:22

Sample Barcode: 

Sample Number: 2025-1273

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1273-1-11

Batch Number: AB-250716-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.53	NTU		0.05	1	7/16/2025 9:35

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1273-1-12

Batch Number: AB-250718-013

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	7/18/2025 11:34

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1273-1-13

Batch Number: AB-250718-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	7/18/2025 11:34

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1273-2-01

Batch Number: AB-250716-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	7/17/2025 12:08

Analytical Results



Collector: Geological, Arkansas

Site: ECK4011-W01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 11:22

Sample Barcode: 

Sample Number: 2025-1273

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1273-3-01

Batch Number: AB-250717-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/24/2025 10:59
Arsenic	<1.00	ug/L		1.00	1	7/24/2025 10:59
Barium	20.4	ug/L		1.00	1	7/24/2025 10:59
Beryllium	<1.00	ug/L		1.00	1	7/24/2025 10:59
Cadmium	<0.300	ug/L		0.30	1	7/24/2025 10:59
Chromium	<1.00	ug/L		1.00	1	7/24/2025 10:59
Cobalt	<0.100	ug/L		0.10	1	7/24/2025 10:59
Copper	<0.500	ug/L		0.50	1	7/24/2025 10:59
Lead	<0.500	ug/L		0.50	1	7/24/2025 10:59
Nickel	<0.500	ug/L		0.50	1	7/24/2025 10:59
Selenium	<5.00	ug/L		5.00	1	7/24/2025 10:59
Silver	<0.100	ug/L		0.10	1	7/24/2025 10:59
Thallium	<0.500	ug/L		0.50	1	7/24/2025 10:59
Vanadium	0.304	ug/L		0.20	1	7/24/2025 10:59
Zinc	5.26	ug/L		5.00	1	7/24/2025 10:59

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1273-3-02

Batch Number: AB-250717-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/28/2025 10:03
Calcium	49.1	mg/L		1.00	1	7/28/2025 10:03
Iron	<0.100	mg/L		0.10	1	7/28/2025 10:03
Magnesium	1.22	mg/L		1.00	1	7/28/2025 10:03
Manganese	<0.0200	mg/L		0.02	1	7/28/2025 10:03
Potassium	<1.00	mg/L		1.00	1	7/28/2025 10:03
Sodium	2.46	mg/L		1.00	1	7/28/2025 10:03
Hardness	128	mg/L		1.00	1	7/28/2025 10:03
Phosphorus	<1.00	mg/L		1.00	1	7/28/2025 10:03

Analytical Results



Collector: Geological, Arkansas

Site: ECK4011-W01

Work Order Number: WO-250715-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 7/15/2025 11:22

Sample Barcode: 

Sample Number: 2025-1273

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1273-4-01

Batch Number: AB-250717-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/21/2025 13:53
Arsenic	<1.00	ug/L		1.00	1	7/21/2025 13:53
Barium	21.8	ug/L		1.00	1	7/21/2025 13:53
Beryllium	<1.00	ug/L		1.00	1	7/21/2025 13:53
Cadmium	<0.300	ug/L		0.30	1	7/21/2025 13:53
Chromium	<1.00	ug/L		1.00	1	7/21/2025 13:53
Cobalt	<0.100	ug/L		0.10	1	7/21/2025 13:53
Copper	2.72	ug/L		0.50	1	7/21/2025 13:53
Lead	<0.500	ug/L		0.50	1	7/21/2025 13:53
Nickel	<0.500	ug/L		0.50	1	7/21/2025 13:53
Selenium	<5.00	ug/L		5.00	1	7/21/2025 13:53
Silver	<0.100	ug/L		0.10	1	7/21/2025 13:53
Thallium	<0.500	ug/L		0.50	1	7/21/2025 13:53
Vanadium	0.255	ug/L		0.20	1	7/21/2025 13:53
Zinc	<5.00	ug/L		5.00	1	7/21/2025 13:53

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1273-4-02

Batch Number: AB-250717-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/28/2025 7:50
Calcium	53.7	mg/L		5.00	5	7/28/2025 8:29
Iron	<0.100	mg/L		0.10	1	7/28/2025 7:50
Magnesium	1.35	mg/L		1.00	1	7/28/2025 7:50
Manganese	<0.0200	mg/L		0.02	1	7/28/2025 7:50
Potassium	<1.00	mg/L		1.00	1	7/28/2025 7:50
Sodium	2.87	mg/L		1.00	1	7/28/2025 7:50
Phosphorus	<1.00	mg/L		1.00	1	7/28/2025 7:50

Analytical Results



Collector: Geological, Arkansas

Site: Metals Field Blank

Work Order Number: WO-250715-03

Sample Classification: Special

Project: EVT

Matrix: Water

Collected: 7/15/2025 11:03

Sample Barcode: 

Sample Number: 2025-1274

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1274-1-01

Batch Number: AB-250717-008

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	7/24/2025 11:23
Arsenic	<1.00	ug/L		1.00	1	7/24/2025 11:23
Barium	<1.00	ug/L		1.00	1	7/24/2025 11:23
Beryllium	<1.00	ug/L		1.00	1	7/24/2025 11:23
Cadmium	<0.300	ug/L		0.30	1	7/24/2025 11:23
Chromium	<1.00	ug/L		1.00	1	7/24/2025 11:23
Cobalt	<0.100	ug/L		0.10	1	7/24/2025 11:23
Copper	<0.500	ug/L		0.50	1	7/24/2025 11:23
Lead	<0.500	ug/L		0.50	1	7/24/2025 11:23
Nickel	<0.500	ug/L		0.50	1	7/24/2025 11:23
Selenium	<5.00	ug/L		5.00	1	7/24/2025 11:23
Silver	<0.100	ug/L		0.10	1	7/24/2025 11:23
Thallium	<0.500	ug/L		0.50	1	7/24/2025 11:23
Vanadium	<0.200	ug/L		0.20	1	7/24/2025 11:23
Zinc	<5.00	ug/L		5.00	1	7/24/2025 11:23

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1274-1-02

Batch Number: AB-250717-010

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/28/2025 10:13
Calcium	<1.00	mg/L		1.00	1	7/28/2025 10:13
Iron	<0.100	mg/L		0.10	1	7/28/2025 10:13
Magnesium	<1.00	mg/L		1.00	1	7/28/2025 10:13
Manganese	<0.0200	mg/L		0.02	1	7/28/2025 10:13
Potassium	<1.00	mg/L		1.00	1	7/28/2025 10:13
Sodium	<1.00	mg/L		1.00	1	7/28/2025 10:13
Hardness	<1.00	mg/L		1.00	1	7/28/2025 10:13
Phosphorus	<1.00	mg/L		1.00	1	7/28/2025 10:13

QUALITY CONTROL REPORT

Project: **EVT Routine+Metals 2025 1271-1274**

Date and Time Received: 7/15/2025 15:43:00

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-250715-016		Parent Sample:		2025-1262		
	mg/L	<0.03	0.03	103.0 /	80-120			-		102.5 / 103.0	80-120	0.5	-	
Turbidity		EPA 180.1					Batch #:	AB-250716-001		Parent Sample:				
	NTU	<0.05	0.05	103.4 /	90-110			-		/	-		-	
Specific Conductance		EPA 120.1, 1982					Batch #:	AB-250716-004		Parent Sample:				
	uS/cm	<1.00	1.00	100.3 /	95-105			-		/	-		-	
		SM 5310 C, 2014					Batch #:	AB-250716-007		Parent Sample:		2025-1266		
	mg/L	<1.00	1,000.00	100.4 /	85-115			-		98.8 / 93.2	80-120	4.7	-	
Anions		EPA 300.0 (Rev.2.1, 1993)					Batch #:	AB-250716-010		Parent Sample:		2025-1262		
Br	mg/L	<0.10	0.10	91.2 /	90-110			-		83.2 / 82.7	80-120	0.5	-	
Cl	mg/L	<0.50	0.50	99.5 /	90-110			-		99.5 / 99.1	80-120	0.3	-	
F	mg/L	<0.10	0.10	98.5 /	90-110			-		100.7 / 100.2	80-120	0.4	-	
SO4	mg/L	<0.50	0.50	99.6 /	90-110			-		97.7 / 97.3	80-120	0.2	-	
		EPA 200.8 (Rev. 5.4, 1994)					Batch #:	AB-250717-004		Parent Sample:		2025-1271		
Ag	ug/L	<0.100	0.10	89.0 /	85-115			-		86.2 / 87.8	70-130	1.9	-	
As	ug/L	<1.00	1.00	97.3 /	85-115			-		98.8 / 100.3	70-130	1.5	-	
Ba	ug/L	<1.00	1.00	100.6 /	85-115			-		102.1 / 103.9	70-130	1.1	-	
Be	ug/L	<1.00	1.00	97.7 /	85-115			-		99.9 / 101.2	70-130	1.3	-	
Cd	ug/L	<0.300	0.30	98.1 /	85-115			-		97.6 / 98.6	70-130	1.0	-	
Co	ug/L	<0.100	0.10	91.8 /	85-115			-		87.4 / 88.4	70-130	1.2	-	
Cr	ug/L	<1.00	1.00	95.0 /	85-115			-		91.7 / 93.1	70-130	1.5	-	
Cu	ug/L	<0.500	0.50	87.7 /	85-115			-		79.0 / 80.7	70-130	1.1	-	
Ni	ug/L	<0.500	0.50	88.3 /	85-115			-		81.4 / 82.7	70-130	1.4	-	
Pb	ug/L	<0.500	0.50	96.8 /	85-115			-		98.4 / 99.2	70-130	0.4	-	
Sb	ug/L	<2.00	2.00	102.2 /	85-115			-		103.5 / 103.9	70-130	0.3	-	
Se	ug/L	<5.00	5.00	99.2 /	85-115			-		100.7 / 102.1	70-130	1.4	-	
Tl	ug/L	<0.500	0.50	97.5 /	85-115			-		98.6 / 100.7	70-130	2.0	-	
V	ug/L	<0.200	0.20	93.6 /	85-115			-		92.7 / 93.1	70-130	0.4	-	
Zn	ug/L	<5.00	5.00	95.4 /	85-115			-		89.8 / 91.8	70-130	1.2	-	
		EPA 200.7					Batch #:	AB-250717-006		Parent Sample:		2025-1271		
Al	mg/L	<0.100	0.10	103.8 /	85-115			-		105.4 / 105.8	70-130	0.3	-	
Ca	mg/L	<1.00	1.00	105.4 /	85-115			-		98.3 / 103.5	70-130	0.6	-	
Fe	mg/L	<0.100	0.10	104.5 /	85-115			-		103.5 / 104.1	70-130	0.5	-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
K	mg/L	<1.00	1.00	102.9 /	85-115		-			107.8 / 108.1	70-130	0.3	-	
Mg	mg/L	<1.00	1.00	105.3 /	85-115		-			104.5 / 105.1	70-130	0.4	-	
Mn	mg/L	<0.0200	0.02	104.0 /	85-115		-			102.2 / 102.3	70-130	0.1	-	
Na	mg/L	<1.00	1.00	108.8 /	85-115		-			114.6 / 114.2	70-130	0.2	-	
P	mg/L	<1.00	1.00	106.3 /	85-115		-			109.6 / 110.1	70-130	0.5	-	
ICP/MS Metals (Dissolved)		EPA 200.8 (Rev. 5.4, 1994)				Batch #:		AB-250717-007		Parent Sample:		2025-1228		
Ag	ug/L	<0.100	0.10	93.4 /	85-115		-			88.0 / 88.4	70-130	0.4	-	
As	ug/L	<1.00	1.00	103.5 /	85-115		-			99.8 / 100.4	70-130	0.7	-	
Ba	ug/L	<1.00	1.00	97.4 /	85-115		-			93.3 / 92.5	70-130	0.6	-	
Be	ug/L	<1.00	1.00	103.9 /	85-115		-			97.9 / 98.4	70-130	0.5	-	
Cd	ug/L	<0.300	0.30	103.4 /	85-115		-			99.0 / 98.4	70-130	0.6	-	
Co	ug/L	<0.100	0.10	96.9 /	85-115		-			91.7 / 90.6	70-130	1.2	-	
Cr	ug/L	<1.00	1.00	99.4 /	85-115		-			94.3 / 92.8	70-130	1.6	-	
Cu	ug/L	<0.500	0.50	93.7 /	85-115		-			88.6 / 88.0	70-130	0.6	-	
Ni	ug/L	<0.500	0.50	94.0 /	85-115		-			88.6 / 88.2	70-130	0.5	-	
Pb	ug/L	<0.500	0.50	103.2 /	85-115		-			97.4 / 96.2	70-130	1.3	-	
Sb	ug/L	<2.00	2.00	107.5 /	85-115		-			102.5 / 101.6	70-130	0.9	-	
Se	ug/L	<5.00	5.00	103.9 /	85-115		-			102.0 / 101.9	70-130	0.1	-	
Tl	ug/L	<0.500	0.50	101.7 /	85-115		-			95.9 / 95.6	70-130	0.3	-	
V	ug/L	<0.200	0.20	98.8 /	85-115		-			93.4 / 92.6	70-130	0.9	-	
Zn	ug/L	<5.00	5.00	104.7 /	85-115		-			98.8 / 98.2	70-130	0.5	-	
ICP/MS Metals (Dissolved)		EPA 200.8 (Rev. 5.4, 1994)				Batch #:		AB-250717-008		Parent Sample:		2025-1276		
Ag	ug/L	<0.100	0.10	91.8 /	85-115		-			86.4 / 87.4	70-130	1.1	-	
As	ug/L	<1.00	1.00	100.5 /	85-115		-			97.2 / 100.7	70-130	3.5	-	
Ba	ug/L	<1.00	1.00	94.6 /	85-115		-			92.5 / 93.1	70-130	0.3	-	
Be	ug/L	<1.00	1.00	99.5 /	85-115		-			95.8 / 99.3	70-130	3.6	-	
Cd	ug/L	<0.300	0.30	100.4 /	85-115		-			96.8 / 98.6	70-130	1.9	-	
Co	ug/L	<0.100	0.10	93.2 /	85-115		-			89.6 / 91.6	70-130	2.0	-	
Cr	ug/L	<1.00	1.00	97.5 /	85-115		-			93.5 / 94.7	70-130	1.2	-	
Cu	ug/L	<0.500	0.50	90.3 /	85-115		-			85.9 / 88.2	70-130	2.6	-	
Ni	ug/L	<0.500	0.50	91.1 /	85-115		-			86.2 / 88.5	70-130	2.6	-	
Pb	ug/L	<0.500	0.50	100.3 /	85-115		-			96.6 / 98.2	70-130	1.5	-	
Sb	ug/L	<2.00	2.00	104.3 /	85-115		-			100.4 / 102.8	70-130	2.4	-	
Se	ug/L	<5.00	5.00	100.9 /	85-115		-			99.4 / 101.6	70-130	2.2	-	
Tl	ug/L	<0.500	0.50	98.9 /	85-115		-			95.8 / 95.7	70-130	0.1	-	
V	ug/L	<0.200	0.20	95.6 /	85-115		-			91.7 / 93.1	70-130	1.3	-	
Zn	ug/L	<5.00	5.00	100.8 /	85-115		-			95.4 / 97.9	70-130	2.4	-	
ICP/OES Metals (Dissolved)		EPA 200.7				Batch #:		AB-250717-009		Parent Sample:		2025-1228		

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Al	mg/L	<0.100	0.10	100.3 /	85-115		-			94.2 / 92.9	70-131	1.4	-	
Ca	mg/L	<1.00	1.00	104.4 /	85-115		-			98.2 / 96.7	70-131	1.3	-	
Fe	mg/L	<0.100	0.10	102.7 /	85-115		-			96.8 / 95.5	70-131	1.4	-	
K	mg/L	<1.00	1.00	98.8 /	85-115		-			91.5 / 90.2	70-131	1.2	-	
Mg	mg/L	<1.00	1.00	103.0 /	85-115		-			97.1 / 95.7	70-131	1.3	-	
Mn	mg/L	<0.0200	0.02	104.0 /	85-115		-			97.8 / 96.4	70-131	1.4	-	
Na	mg/L	<1.00	1.00	103.3 /	85-115		-			95.4 / 93.9	70-131	1.3	-	
P	mg/L	<1.00	1.00	102.0 /	85-115		-			95.6 / 94.4	70-131	1.3	-	
ICP/OES Metals (Dissolved)		EPA 200.7		Batch #:		AB-250717-010		Parent Sample:		2025-1276				
Al	mg/L	<0.100	0.10	96.5 /	85-115		-			94.1 / 94.3	70-131	0.2	-	
Ca	mg/L	<1.00	1.00	100.8 /	85-115		-			96.1 / 95.7	70-131	0.2	-	
Fe	mg/L	<0.100	0.10	99.1 /	85-115		-			95.9 / 96.0	70-131	0.1	-	
K	mg/L	<1.00	1.00	93.7 /	85-115		-			91.6 / 92.2	70-131	0.6	-	
Mg	mg/L	<1.00	1.00	99.4 /	85-115		-			96.3 / 96.6	70-131	0.2	-	
Mn	mg/L	<0.0200	0.02	100.0 /	85-115		-			94.2 / 93.5	70-131	0.3	-	
Na	mg/L	<1.00	1.00	97.2 /	85-115		-			93.7 / 93.8	70-131	0.1	-	
P	mg/L	<1.00	1.00	97.5 /	85-115		-			95.2 / 95.7	70-131	0.6	-	
Total Suspended Solids		SM 2540 D, 2020		Batch #:		AB-250717-011		Parent Sample:						
	mg/L	<2.00	2.00	101.3 /	90-110		-			/	-		-	
Total Dissolved Solids		SM 2540 C, 2020		Batch #:		AB-250717-015		Parent Sample:						
	mg/L	<10.0	10.00	107.0 /	90-110		-			/	-		-	
Orthophosphate as P		SM 4500-P G, 2021		Batch #:		AB-250718-001		Parent Sample:		2025-1262				
	mg/L	<0.02	0.02	102.5 /	80-120		-			98.9 / 99.9	80-120	0.8	-	
Nitrate +Nitrite as N		SM 4500-NO3 F, 2019		Batch #:		AB-250718-004		Parent Sample:		2025-1262				
	mg/L	<0.05	0.05	98.5 /	80-120		-			96.0 / 96.7	80-120	0.6	-	
Alkalinity as CaCO3		EPA 310.2 (Rev. 1974)		Batch #:		AB-250718-007		Parent Sample:						
	mg/L	<6.00	6.00	99.7 /	90-110		-			/	-		-	
		SM 4500-P G, 2021		Batch #:		AB-250718-010		Parent Sample:		2025-1262				
	mg/L	<0.02	0.02	91.5 /	80-120		-			95.7 / 97.2	80-120	1.5	-	
		SM 4500-N(org) C, 2021		Batch #:		AB-250718-013		Parent Sample:		2025-1262				
	mg/L	<0.10	0.10	95.5 /	80-120		-			98.2 / 98.2	80-120	0.0	-	

FIELD QUALITY CONTROL REPORT

Work Order # WO-250715-03

Parent Sample 2025-1271

Analyte(s)	Parent Sample Result	Field Dup Result	Units	% RPD	Limits	Batch Number
Aliquot #	AB-250715-016 Dup - Field 4		Parent Aliquot #	2025-1271-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-250715-016
Aliquot #	AB-250715-016 Dup - Field 5		Parent Aliquot #	2025-1272-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-250715-016
Aliquot #	AB-250716-001 Dup - Field 3		Parent Aliquot #	2025-1271-1-11		
Turbidity		0.92	NTU	10.31	0 - 20	AB-250716-001
Aliquot #	AB-250716-001 Dup - Field 4		Parent Aliquot #	2025-1272-1-11		
Turbidity		2.95	NTU	1.35	0 - 20	AB-250716-001
Aliquot #	AB-250716-004 Dup - Field 3		Parent Aliquot #	2025-1271-1-07		
Specific Conductance		466	uS/cm	0.00	0 - 20	AB-250716-004
Aliquot #	AB-250716-004 Dup - Field 4		Parent Aliquot #	2025-1272-1-07		
Specific Conductance		316	uS/cm	0.32	0 - 20	AB-250716-004
Aliquot #	AB-250716-007 Dup - Field 3		Parent Aliquot #	2025-1271-2-01		
Dissolved Organic Carbon		<1.00	mg/L	0.37	0 - 20	AB-250716-007
Aliquot #	AB-250716-007 Dup - Field 4		Parent Aliquot #	2025-1272-2-01		
Dissolved Organic Carbon		<1.00	mg/L	5.80	0 - 20	AB-250716-007
Aliquot #	AB-250716-010 Dup - Field 4		Parent Aliquot #	2025-1271-1-03		
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-250716-010
Chloride		4.08	mg/L	0.04	0 - 20	AB-250716-010
Bromide		0.12	mg/L	1.26	0 - 20	AB-250716-010
Sulfate		26.0	mg/L	0.09	0 - 20	AB-250716-010
Aliquot #	AB-250716-010 Dup - Field 5		Parent Aliquot #	2025-1272-1-03		
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-250716-010
Chloride		7.40	mg/L	0.43	0 - 20	AB-250716-010
Bromide		<0.10	mg/L	0.00	0 - 20	AB-250716-010
Sulfate		5.38	mg/L	0.06	0 - 20	AB-250716-010
Aliquot #	AB-250717-004 Dup - Field 1		Parent Aliquot #	2025-1271-4-01		
Antimony		<2.00	ug/L	0.00	0 - 20	AB-250717-004
Arsenic		<1.00	ug/L	0.00	0 - 20	AB-250717-004
Barium		32.1	ug/L	0.26	0 - 20	AB-250717-004
Beryllium		<1.00	ug/L	0.00	0 - 20	AB-250717-004
Cadmium		<0.300	ug/L	0.00	0 - 20	AB-250717-004
Chromium		<1.00	ug/L	0.00	0 - 20	AB-250717-004

Cobalt	0.200	ug/L	9.42	0 - 20	AB-250717-004
Copper	18.7	ug/L	13.52	0 - 20	AB-250717-004
Lead	2.76	ug/L	14.05	0 - 20	AB-250717-004
Nickel	2.60	ug/L	0.57	0 - 20	AB-250717-004
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250717-004
Silver	<0.100	ug/L	0.00	0 - 20	AB-250717-004
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250717-004
Vanadium	<0.200	ug/L	0.00	0 - 20	AB-250717-004
Zinc	19.1	ug/L	0.19	0 - 20	AB-250717-004

Aliquot #	AB-250717-004 Dup - Field 2	Parent Aliquot #	2025-1272-4-01	
Antimony	<2.00	ug/L	0.00	0 - 20 AB-250717-004
Arsenic	<1.00	ug/L	0.00	0 - 20 AB-250717-004
Barium	44.9	ug/L	0.24	0 - 20 AB-250717-004
Beryllium	<1.00	ug/L	0.00	0 - 20 AB-250717-004
Cadmium	<0.300	ug/L	0.00	0 - 20 AB-250717-004
Chromium	<1.00	ug/L	0.00	0 - 20 AB-250717-004
Cobalt	0.120	ug/L	20.45	0 - 20 AB-250717-004
Copper	<0.500	ug/L	0.00	0 - 20 AB-250717-004
Lead	<0.500	ug/L	0.00	0 - 20 AB-250717-004
Nickel	<0.500	ug/L	9.01	0 - 20 AB-250717-004
Selenium	<5.00	ug/L	0.00	0 - 20 AB-250717-004
Silver	<0.100	ug/L	0.00	0 - 20 AB-250717-004
Thallium	<0.500	ug/L	0.00	0 - 20 AB-250717-004
Vanadium	0.329	ug/L	12.78	0 - 20 AB-250717-004
Zinc	<5.00	ug/L	81.11	0 - 20 AB-250717-004

Aliquot #	AB-250717-006 Dup - Field 1	Parent Aliquot #	2025-1271-4-02	
Aluminum	0.292	mg/L	168.36	0 - 20 AB-250717-006
Calcium	85.9	mg/L	1.38	0 - 20 AB-250717-006
Iron	0.119	mg/L	39.88	0 - 20 AB-250717-006
Magnesium	6.35	mg/L	0.60	0 - 20 AB-250717-006
Manganese	<0.0200	mg/L	0.00	0 - 20 AB-250717-006
Potassium	<1.00	mg/L	0.00	0 - 20 AB-250717-006
Sodium	12.6	mg/L	0.30	0 - 20 AB-250717-006
Phosphorus	<1.00	mg/L	0.00	0 - 20 AB-250717-006

Aliquot #	AB-250717-006 Dup - Field 2	Parent Aliquot #	2025-1272-4-02	
Aluminum	<0.100	mg/L	0.00	0 - 20 AB-250717-006
Calcium	60.3	mg/L	1.39	0 - 20 AB-250717-006
Iron	<0.100	mg/L	23.75	0 - 20 AB-250717-006
Magnesium	1.35	mg/L	0.86	0 - 20 AB-250717-006
Manganese	0.0271	mg/L	15.02	0 - 20 AB-250717-006
Potassium	<1.00	mg/L	0.00	0 - 20 AB-250717-006
Sodium	8.62	mg/L	0.59	0 - 20 AB-250717-006
Phosphorus	<1.00	mg/L	0.00	0 - 20 AB-250717-006

Aliquot #	AB-250717-007 Dup - Field 4	Parent Aliquot #	2025-1271-3-01	
-----------	-----------------------------	------------------	----------------	--

Antimony	<2.00	ug/L	0.00	0 - 20	AB-250717-007
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250717-007
Barium	29.2	ug/L	0.25	0 - 20	AB-250717-007
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250717-007
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250717-007
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250717-007
Cobalt	0.141	ug/L	0.32	0 - 20	AB-250717-007
Copper	5.99	ug/L	1.87	0 - 20	AB-250717-007
Lead	1.14	ug/L	0.78	0 - 20	AB-250717-007
Nickel	2.56	ug/L	1.66	0 - 20	AB-250717-007
Selenium	5.00	ug/L	1.94	0 - 20	AB-250717-007
Silver	<0.100	ug/L	0.00	0 - 20	AB-250717-007
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250717-007
Vanadium	<0.200	ug/L	0.00	0 - 20	AB-250717-007
Zinc	14.8	ug/L	6.29	0 - 20	AB-250717-007

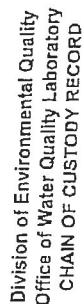
Aliquot #	AB-250717-007 Dup - Field 5	Parent Aliquot #	2025-1272-3-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250717-007
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250717-007
Barium	40.8	ug/L	0.45	0 - 20	AB-250717-007
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250717-007
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250717-007
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250717-007
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-250717-007
Copper	<0.500	ug/L	0.00	0 - 20	AB-250717-007
Lead	<0.500	ug/L	0.00	0 - 20	AB-250717-007
Nickel	<0.500	ug/L	0.00	0 - 20	AB-250717-007
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250717-007
Silver	<0.100	ug/L	0.00	0 - 20	AB-250717-007
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250717-007
Vanadium	0.257	ug/L	15.12	0 - 20	AB-250717-007
Zinc	<5.00	ug/L	0.00	0 - 20	AB-250717-007

Aliquot #	AB-250717-009 Dup - Field 4	Parent Aliquot #	2025-1271-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250717-009
Calcium	77.5	mg/L	0.11	0 - 20	AB-250717-009
Iron	<0.100	mg/L	0.00	0 - 20	AB-250717-009
Magnesium	5.76	mg/L	0.45	0 - 20	AB-250717-009
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250717-009
Potassium	<1.00	mg/L	0.00	0 - 20	AB-250717-009
Sodium	10.9	mg/L	0.18	0 - 20	AB-250717-009
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250717-009

Aliquot #	AB-250717-009 Dup - Field 5	Parent Aliquot #	2025-1272-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250717-009
Calcium	54.9	mg/L	0.40	0 - 20	AB-250717-009
Iron	<0.100	mg/L	0.00	0 - 20	AB-250717-009

Magnesium	1.22	mg/L	1.22	0 - 20	AB-250717-009
Manganese	0.0204	mg/L	0.49	0 - 20	AB-250717-009
Potassium	<1.00	mg/L	0.00	0 - 20	AB-250717-009
Sodium	7.46	mg/L	0.65	0 - 20	AB-250717-009
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250717-009
Aliquot #	AB-250717-011 Dup - Field 4	Parent Aliquot #	2025-1271-1-10		
Total Suspended Solids	<2.00	mg/L	92.31	0 - 5	AB-250717-011
Aliquot #	AB-250717-011 Dup - Field 5	Parent Aliquot #	2025-1272-1-10		
Total Suspended Solids	4.00	mg/L	11.76	0 - 5	AB-250717-011
Aliquot #	AB-250717-015 Dup - Field 4	Parent Aliquot #	2025-1271-1-08		
Total Dissolved Solids	286	mg/L	1.05	0 - 5	AB-250717-015
Aliquot #	AB-250717-015 Dup - Field 5	Parent Aliquot #	2025-1272-1-08		
Total Dissolved Solids	193	mg/L	3.43	0 - 5	AB-250717-015
Aliquot #	AB-250718-001 Dup - Field 4	Parent Aliquot #	2025-1271-1-05		
Orthophosphate as Phosphorus	0.05	mg/L	4.79	0 - 20	AB-250718-001
Aliquot #	AB-250718-001 Dup - Field 5	Parent Aliquot #	2025-1272-1-05		
Orthophosphate as Phosphorus	0.06	mg/L	1.86	0 - 20	AB-250718-001
Aliquot #	AB-250718-004 Dup - Field 4	Parent Aliquot #	2025-1271-1-04		
Nitrite+Nitrate as Nitrogen	5.80	mg/L	0.86	0 - 20	AB-250718-004
Aliquot #	AB-250718-004 Dup - Field 5	Parent Aliquot #	2025-1272-1-04		
Nitrite+Nitrate as Nitrogen	1.19	mg/L	1.67	0 - 20	AB-250718-004
Aliquot #	AB-250718-007 Dup - Field 4	Parent Aliquot #	2025-1271-1-01		
Alkalinity	193	mg/L	0.00	0 - 20	AB-250718-007
Aliquot #	AB-250718-007 Dup - Field 5	Parent Aliquot #	2025-1272-1-01		
Alkalinity	141	mg/L	0.71	0 - 20	AB-250718-007
Aliquot #	AB-250718-010 Dup - Field 4	Parent Aliquot #	2025-1271-1-13		
Total Phosphorus	<0.02	mg/L	0.00	0 - 20	AB-250718-010
Aliquot #	AB-250718-010 Dup - Field 5	Parent Aliquot #	2025-1272-1-13		
Total Phosphorus	<0.02	mg/L	0.00	0 - 20	AB-250718-010
Aliquot #	AB-250718-013 Dup - Field 4	Parent Aliquot #	2025-1271-1-12		
Total Kjeldahl Nitrogen	1.95	mg/L	81.59	0 - 20	AB-250718-013
Aliquot #	AB-250718-013 Dup - Field 5	Parent Aliquot #	2025-1272-1-12		
Total Kjeldahl Nitrogen	0.17	mg/L	19.35	0 - 20	AB-250718-013
Aliquot #	AB-250804-030 Dup - Field 1	Parent Aliquot #	2025-1271-1-06		
pH	7.33	units	0.00	0 - 20	AB-250804-030
Aliquot #	AB-250804-030 Dup - Field 2	Parent Aliquot #	2025-1272-1-06		
pH	6.75	units	0.00	0 - 20	AB-250804-030
Aliquot #	AB-250804-031 Dup - Field 1	Parent Aliquot #	2025-1271-1-09		

Water Temperature	23.4	°C	11.29	0 - 20	AB-250804-031
Aliquot #	AB-250804-031 Dup - Field 2		Parent Aliquot #	2025-1272-1-09	
Water Temperature	20.9	°C	11.29	0 - 20	AB-250804-031

[illegible]

WX: PARTLY CLOUDY * T-STORMS IN AREA ~ 80'S