

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 1082-1088

Date and Time Received: 6/17/2025 16:13:00

Work Order Number: WO-250617-03

Sample Receipt Conditions:

Condition	Response	Comment
Is the COC completed properly?	Yes	
Temperature on Receipt	1.8°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: GW-1668-W-01	Work Order Number: WO-250617-03
Sample Classification: Routine Monitoring	Project:	EVT
Matrix: Water	Collected:	6/16/2025 16:07
Sample Barcode: 	Sample Number:	2025-1082

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

Aliquot #: 2025-1082-1-01 **Batch Number: AB-250620-004**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	126	mg/L		6.00	1	6/18/2025 15:10

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

Aliquot #: 2025-1082-1-02 **Batch Number: AB-250618-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	6/18/2025 10:37

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

Aliquot #: 2025-1082-1-03 **Batch Number: AB-250618-009**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	6/18/2025 19:14
Chloride	3.98	mg/L		0.50	1	6/18/2025 19:14
Bromide	<0.10	mg/L		0.10	1	6/18/2025 19:14
Sulfate	4.88	mg/L		0.50	1	6/18/2025 19:14

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

Aliquot #: 2025-1082-1-04 **Batch Number: AB-250620-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.96	mg/L		0.05	1	6/18/2025 10:37

Analytical Results



Collector: Geological, Arkansas

Site: GW-1668-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:07

Sample Barcode: 

Sample Number: 2025-1082

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1082-1-05

Batch Number: AB-250618-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	6/18/2025 10:37

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1082-1-06

Batch Number: AB-250630-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.18	None			1	6/16/2025 16:07

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1082-1-07

Batch Number: AB-250618-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	296	uS/cm		1.00	1	6/18/2025 10:04

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1082-1-08

Batch Number: AB-250619-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	176	mg/L		10.00	1	6/18/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1082-1-09

Batch Number: AB-250630-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	23.3	°C			1	6/16/2025 16:07

Analytical Results



Collector: Geological, Arkansas

Site: GW-1668-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:07

Sample Barcode: 

Sample Number: 2025-1082

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1082-1-10

Batch Number: AB-250619-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	6/18/2025 8:10

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1082-1-11

Batch Number: AB-250618-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	2.28	NTU		0.05	1	6/18/2025 10:04

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1082-1-12

Batch Number: AB-250620-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.25	mg/L	R	0.10	1	6/20/2025 11:11
Total Nitrogen from Lachat	2.21	mg/L		0.10	1	6/20/2025 11:11

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1082-1-13

Batch Number: AB-250620-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.03	mg/L		0.02	1	6/20/2025 11:11

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1082-2-01

Batch Number: AB-250618-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	6/18/2025 19:53

Analytical Results



Collector: Geological, Arkansas

Site: GW-1668-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:07

Sample Barcode: 

Sample Number: 2025-1082

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1082-3-01

Batch Number: AB-250708-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/8/2025 17:55
Arsenic	<1.00	ug/L		1.00	1	7/8/2025 17:55
Barium	52.3	ug/L		1.00	1	7/8/2025 17:55
Beryllium	<1.00	ug/L		1.00	1	7/8/2025 17:55
Cadmium	<0.300	ug/L		0.30	1	7/8/2025 17:55
Chromium	<1.00	ug/L		1.00	1	7/8/2025 17:55
Cobalt	0.187	ug/L		0.10	1	7/8/2025 17:55
Copper	61.7	ug/L		2.50	5	7/8/2025 18:25
Lead	<0.500	ug/L		0.50	1	7/8/2025 17:55
Nickel	6.68	ug/L		0.50	1	7/8/2025 17:55
Selenium	<5.00	ug/L		5.00	1	7/8/2025 17:55
Silver	<0.100	ug/L		0.10	1	7/8/2025 17:55
Thallium	<0.500	ug/L		0.50	1	7/8/2025 17:55
Vanadium	0.323	ug/L	R	0.20	1	7/8/2025 17:55
Zinc	89.9	ug/L		25.00	5	7/8/2025 18:25

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1082-3-02

Batch Number: AB-250708-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/8/2025 10:23
Calcium	53.2	mg/L		5.00	5	7/8/2025 11:12
Iron	<0.100	mg/L		0.10	1	7/8/2025 10:23
Magnesium	1.62	mg/L		1.00	1	7/8/2025 10:23
Manganese	<0.0200	mg/L		0.02	1	7/8/2025 10:23
Potassium	1.55	mg/L		1.00	1	7/8/2025 10:23
Sodium	3.80	mg/L		1.00	1	7/8/2025 10:23
Hardness	140	mg/L		1.00	1	7/8/2025 10:23
Phosphorus	<1.00	mg/L		1.00	1	7/8/2025 10:23

Analytical Results



Collector: Geological, Arkansas

Site: GW-1668-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:07

Sample Barcode: 

Sample Number: 2025-1082

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1082-4-01

Batch Number: AB-250630-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/1/2025 12:51
Arsenic	<1.00	ug/L		1.00	1	7/1/2025 12:51
Barium	52.3	ug/L		1.00	1	7/1/2025 12:51
Beryllium	<1.00	ug/L		1.00	1	7/1/2025 12:51
Cadmium	<0.300	ug/L		0.30	1	7/1/2025 12:51
Chromium	1.02	ug/L		1.00	1	7/1/2025 12:51
Cobalt	0.238	ug/L		0.10	1	7/1/2025 12:51
Copper	76.9	ug/L		2.50	5	7/1/2025 14:20
Lead	0.611	ug/L		0.50	1	7/1/2025 12:51
Nickel	7.32	ug/L		0.50	1	7/1/2025 12:51
Selenium	<5.00	ug/L		5.00	1	7/1/2025 12:51
Silver	<0.100	ug/L		0.10	1	7/1/2025 12:51
Thallium	<0.500	ug/L		0.50	1	7/1/2025 12:51
Vanadium	0.333	ug/L		0.20	1	7/1/2025 12:51
Zinc	88.8	ug/L		25.00	5	7/1/2025 14:20

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1082-4-02

Batch Number: AB-250630-021

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/1/2025 9:57
Calcium	60.1	mg/L		5.00	5	7/1/2025 10:37
Iron	<0.100	mg/L		0.10	1	7/1/2025 9:57
Magnesium	1.76	mg/L		1.00	1	7/1/2025 9:57
Manganese	<0.0200	mg/L		0.02	1	7/1/2025 9:57
Potassium	1.65	mg/L		1.00	1	7/1/2025 9:57
Sodium	4.21	mg/L		1.00	1	7/1/2025 9:57
Phosphorus	<1.00	mg/L		1.00	1	7/1/2025 9:57

Analytical Results



Collector: Geological, Arkansas

Site: STL-369-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:58

Sample Barcode: 

Sample Number: 2025-1083

Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-1083-1-01

Batch Number: AB-250620-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	120	mg/L		6.00	1	6/18/2025 15:12

Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst:

Aliquot #: 2025-1083-1-02

Batch Number: AB-250618-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	6/18/2025 10:39

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: CAC

Aliquot #: 2025-1083-1-03

Batch Number: AB-250618-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	6/18/2025 19:32
Chloride	5.11	mg/L		0.50	1	6/18/2025 19:32
Bromide	<0.10	mg/L		0.10	1	6/18/2025 19:32
Sulfate	1.95	mg/L		0.50	1	6/18/2025 19:32

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst:

Aliquot #: 2025-1083-1-04

Batch Number: AB-250620-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	3.74	mg/L		0.05	1	6/18/2025 10:39

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1083-1-05

Batch Number: AB-250618-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	6/18/2025 10:39

Analytical Results



Collector: Geological, Arkansas

Site: STL-369-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:58

Sample Barcode: 

Sample Number: 2025-1083

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1083-1-06

Batch Number: AB-250630-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.00	None			1	6/16/2025 16:58

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1083-1-07

Batch Number: AB-250618-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	294	uS/cm		1.00	1	6/18/2025 10:06

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1083-1-08

Batch Number: AB-250619-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	184	mg/L		10.00	1	6/18/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1083-1-09

Batch Number: AB-250630-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	21.9	°C			1	6/16/2025 16:58

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1083-1-10

Batch Number: AB-250619-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	6/18/2025 8:10

Analytical Results



Collector: Geological, Arkansas

Site: STL-369-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:58

Sample Barcode: 

Sample Number: 2025-1083

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1083-1-11

Batch Number: AB-250618-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.35	NTU		0.05	1	6/18/2025 10:06

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1083-1-12

Batch Number: AB-250620-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.40	mg/L		0.10	1	6/20/2025 11:13
Total Nitrogen from Lachat	4.14	mg/L		0.10	1	6/20/2025 11:13

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1083-1-13

Batch Number: AB-250620-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	6/20/2025 11:13

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1083-2-01

Batch Number: AB-250618-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	6/18/2025 20:21

Analytical Results



Collector: Geological, Arkansas

Site: STL-369-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:58

Sample Barcode: 

Sample Number: 2025-1083

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1083-3-01

Batch Number: AB-250708-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/8/2025 16:47
Arsenic	<1.00	ug/L		1.00	1	7/8/2025 16:47
Barium	38.2	ug/L		1.00	1	7/8/2025 16:47
Beryllium	<1.00	ug/L		1.00	1	7/8/2025 16:47
Cadmium	<0.300	ug/L		0.30	1	7/8/2025 16:47
Chromium	<1.00	ug/L		1.00	1	7/8/2025 16:47
Cobalt	<0.100	ug/L		0.10	1	7/8/2025 16:47
Copper	0.808	ug/L		0.50	1	7/8/2025 16:47
Lead	<0.500	ug/L		0.50	1	7/8/2025 16:47
Nickel	0.597	ug/L		0.50	1	7/8/2025 16:47
Selenium	<5.00	ug/L		5.00	1	7/8/2025 16:47
Silver	<0.100	ug/L		0.10	1	7/8/2025 16:47
Thallium	<0.500	ug/L		0.50	1	7/8/2025 16:47
Vanadium	0.282	ug/L		0.20	1	7/8/2025 16:47
Zinc	37.7	ug/L		5.00	1	7/8/2025 16:47

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1083-3-02

Batch Number: AB-250708-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/8/2025 10:29
Calcium	52.1	mg/L		5.00	5	7/8/2025 11:16
Iron	<0.100	mg/L		0.10	1	7/8/2025 10:29
Magnesium	1.50	mg/L		1.00	1	7/8/2025 10:29
Manganese	<0.0200	mg/L		0.02	1	7/8/2025 10:29
Potassium	<1.00	mg/L		1.00	1	7/8/2025 10:29
Sodium	2.72	mg/L		1.00	1	7/8/2025 10:29
Hardness	137	mg/L		1.00	1	7/8/2025 10:29
Phosphorus	<1.00	mg/L		1.00	1	7/8/2025 10:29

Analytical Results



Collector: Geological, Arkansas

Site: STL-369-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/16/2025 16:58

Sample Barcode: 

Sample Number: 2025-1083

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1083-4-01

Batch Number: AB-250630-019

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	7/1/2025 12:55
Arsenic	<1.00	ug/L		1.00	1	7/1/2025 12:55
Barium	39.4	ug/L		1.00	1	7/1/2025 12:55
Beryllium	<1.00	ug/L		1.00	1	7/1/2025 12:55
Cadmium	<0.300	ug/L		0.30	1	7/1/2025 12:55
Chromium	<1.00	ug/L		1.00	1	7/1/2025 12:55
Cobalt	<0.100	ug/L		0.10	1	7/1/2025 12:55
Copper	1.11	ug/L		0.50	1	7/1/2025 12:55
Lead	<0.500	ug/L		0.50	1	7/1/2025 12:55
Nickel	0.633	ug/L		0.50	1	7/1/2025 12:55
Selenium	<5.00	ug/L		5.00	1	7/1/2025 12:55
Silver	<0.100	ug/L		0.10	1	7/1/2025 12:55
Thallium	<0.500	ug/L		0.50	1	7/1/2025 12:55
Vanadium	0.271	ug/L		0.20	1	7/1/2025 12:55
Zinc	40.8	ug/L		5.00	1	7/1/2025 12:55

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1083-4-02

Batch Number: AB-250630-021

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/1/2025 9:58
Calcium	55.8	mg/L		5.00	5	7/1/2025 10:38
Iron	<0.100	mg/L		0.10	1	7/1/2025 9:58
Magnesium	1.57	mg/L		1.00	1	7/1/2025 9:58
Manganese	<0.0200	mg/L		0.02	1	7/1/2025 9:58
Potassium	1.00	mg/L		1.00	1	7/1/2025 9:58
Sodium	2.99	mg/L		1.00	1	7/1/2025 9:58
Phosphorus	<1.00	mg/L		1.00	1	7/1/2025 9:58

Analytical Results



Collector: Geological, Arkansas

Site: BackusLk-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 9:37

Sample Barcode: 

Sample Number: 2025-1084

Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-1084-1-01

Batch Number: AB-250620-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	157	mg/L		6.00	1	6/18/2025 15:16

Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst:

Aliquot #: 2025-1084-1-02

Batch Number: AB-250618-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	6/18/2025 10:43

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: CAC

Aliquot #: 2025-1084-1-03

Batch Number: AB-250618-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	0.22	mg/L		0.10	1	6/18/2025 19:41
Chloride	5.21	mg/L		0.50	1	6/18/2025 19:41
Bromide	0.12	mg/L		0.10	1	6/18/2025 19:41
Sulfate	3.74	mg/L		0.50	1	6/18/2025 19:41

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst:

Aliquot #: 2025-1084-1-04

Batch Number: AB-250620-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.07	mg/L		0.05	1	6/18/2025 10:43

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1084-1-05

Batch Number: AB-250618-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	6/18/2025 10:43

Analytical Results



Collector: Geological, Arkansas

Site: BackusLk-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 9:37

Sample Barcode: 

Sample Number: 2025-1084

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1084-1-06

Batch Number: AB-250630-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.55	None			1	6/17/2025 9:37

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1084-1-07

Batch Number: AB-250618-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	361	uS/cm		1.00	1	6/18/2025 10:07

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1084-1-08

Batch Number: AB-250619-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	208	mg/L		10.00	1	6/18/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1084-1-09

Batch Number: AB-250630-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	18.3	°C			1	6/17/2025 9:37

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1084-1-10

Batch Number: AB-250619-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	6/18/2025 8:10

Analytical Results



Collector: Geological, Arkansas

Site: BackusLk-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 9:37

Sample Barcode: 

Sample Number: 2025-1084

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1084-1-11

Batch Number: AB-250618-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.50	NTU		0.05	1	6/18/2025 10:07

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1084-1-12

Batch Number: AB-250620-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.17	mg/L		0.10	1	6/20/2025 11:19
Total Nitrogen from Lachat	1.24	mg/L		0.10	1	6/20/2025 11:19

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1084-1-13

Batch Number: AB-250620-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	6/20/2025 11:19

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1084-2-01

Batch Number: AB-250618-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	6/18/2025 20:36

Analytical Results



Collector: Geological, Arkansas

Site: BackusLk-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 9:37

Sample Barcode: 

Sample Number: 2025-1084

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1084-3-01

Batch Number: AB-250708-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/8/2025 16:51
Arsenic	<1.00	ug/L		1.00	1	7/8/2025 16:51
Barium	15.1	ug/L		1.00	1	7/8/2025 16:51
Beryllium	<1.00	ug/L		1.00	1	7/8/2025 16:51
Cadmium	<0.300	ug/L		0.30	1	7/8/2025 16:51
Chromium	<1.00	ug/L		1.00	1	7/8/2025 16:51
Cobalt	0.243	ug/L		0.10	1	7/8/2025 16:51
Copper	<0.500	ug/L		0.50	1	7/8/2025 16:51
Lead	<0.500	ug/L		0.50	1	7/8/2025 16:51
Nickel	6.42	ug/L		0.50	1	7/8/2025 16:51
Selenium	<5.00	ug/L		5.00	1	7/8/2025 16:51
Silver	<0.100	ug/L		0.10	1	7/8/2025 16:51
Thallium	<0.500	ug/L		0.50	1	7/8/2025 16:51
Vanadium	<0.200	ug/L		0.20	1	7/8/2025 16:51
Zinc	966	ug/L		500.00	100	7/8/2025 18:32

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1084-3-02

Batch Number: AB-250708-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/8/2025 10:31
Calcium	57.6	mg/L		5.00	5	7/8/2025 11:17
Iron	0.114	mg/L		0.10	1	7/8/2025 10:31
Magnesium	3.22	mg/L		1.00	1	7/8/2025 10:31
Manganese	<0.0200	mg/L		0.02	1	7/8/2025 10:31
Potassium	<1.00	mg/L		1.00	1	7/8/2025 10:31
Sodium	10.6	mg/L		1.00	1	7/8/2025 10:31
Hardness	157	mg/L		1.00	1	7/8/2025 10:31
Phosphorus	<1.00	mg/L		1.00	1	7/8/2025 10:31

Analytical Results



Collector: Geological, Arkansas

Site: BackusLk-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 9:37

Sample Barcode: 

Sample Number: 2025-1084

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1084-4-01

Batch Number: AB-250630-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/1/2025 12:59
Arsenic	<1.00	ug/L		1.00	1	7/1/2025 12:59
Barium	15.7	ug/L		1.00	1	7/1/2025 12:59
Beryllium	<1.00	ug/L		1.00	1	7/1/2025 12:59
Cadmium	<0.300	ug/L		0.30	1	7/1/2025 12:59
Chromium	<1.00	ug/L		1.00	1	7/1/2025 12:59
Cobalt	0.279	ug/L		0.10	1	7/1/2025 12:59
Copper	<0.500	ug/L		0.50	1	7/1/2025 12:59
Lead	<0.500	ug/L		0.50	1	7/1/2025 12:59
Nickel	6.99	ug/L		0.50	1	7/1/2025 12:59
Selenium	<5.00	ug/L		5.00	1	7/1/2025 12:59
Silver	<0.100	ug/L		0.10	1	7/1/2025 12:59
Thallium	<0.500	ug/L		0.50	1	7/1/2025 12:59
Vanadium	<0.200	ug/L		0.20	1	7/1/2025 12:59
Zinc	1030	ug/L		250.00	50	7/1/2025 14:24

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1084-4-02

Batch Number: AB-250630-021

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/1/2025 10:00
Calcium	63.2	mg/L		5.00	5	7/1/2025 10:40
Iron	0.160	mg/L		0.10	1	7/1/2025 10:00
Magnesium	3.50	mg/L		1.00	1	7/1/2025 10:00
Manganese	<0.0200	mg/L		0.02	1	7/1/2025 10:00
Potassium	<1.00	mg/L		1.00	1	7/1/2025 10:00
Sodium	11.9	mg/L		1.00	1	7/1/2025 10:00
Phosphorus	<1.00	mg/L		1.00	1	7/1/2025 10:00

Analytical Results



Collector: Geological, Arkansas

Site: Flint-398-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:59

Sample Barcode: 

Sample Number: 2025-1085

Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-1085-1-01

Batch Number: AB-250620-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	86.6	mg/L		6.00	1	6/18/2025 15:18

Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst:

Aliquot #: 2025-1085-1-02

Batch Number: AB-250618-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	6/18/2025 10:45

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: CAC

Aliquot #: 2025-1085-1-03

Batch Number: AB-250618-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	6/18/2025 20:17
Chloride	3.17	mg/L		0.50	1	6/18/2025 20:17
Bromide	<0.10	mg/L		0.10	1	6/18/2025 20:17
Sulfate	3.63	mg/L		0.50	1	6/18/2025 20:17

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst:

Aliquot #: 2025-1085-1-04

Batch Number: AB-250620-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	6.40	mg/L		0.25	5	6/18/2025 12:30

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1085-1-05

Batch Number: AB-250618-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.080	mg/L		0.02	1	6/18/2025 10:45

Analytical Results



Collector: Geological, Arkansas

Site: Flint-398-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:59

Sample Barcode: 

Sample Number: 2025-1085

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1085-1-06

Batch Number: AB-250630-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.28	None			1	6/17/2025 10:59

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1085-1-07

Batch Number: AB-250618-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	248	uS/cm		1.00	1	6/18/2025 10:10

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1085-1-08

Batch Number: AB-250619-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	168	mg/L		10.00	1	6/18/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1085-1-09

Batch Number: AB-250630-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	20.1	°C			1	6/17/2025 10:59

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1085-1-10

Batch Number: AB-250619-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	9.00	mg/L		2.00	1	6/18/2025 8:10

Analytical Results



Collector: Geological, Arkansas

Site: Flint-398-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:59

Sample Barcode: 

Sample Number: 2025-1085

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1085-1-11

Batch Number: AB-250618-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	5.51	NTU		0.05	1	6/18/2025 10:10

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1085-1-12

Batch Number: AB-250620-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.70	mg/L		0.10	1	6/20/2025 11:22
Total Nitrogen from Lachat	7.10	mg/L		0.50	5	6/20/2025 11:22

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1085-1-13

Batch Number: AB-250620-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.10	mg/L		0.02	1	6/20/2025 11:22

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1085-2-01

Batch Number: AB-250618-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	1.46	mg/L		1.00	1	6/18/2025 21:05

Analytical Results



Collector: Geological, Arkansas

Site: Flint-398-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:59

Sample Barcode: 

Sample Number: 2025-1085

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1085-3-01

Batch Number: AB-250708-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/8/2025 16:59
Arsenic	<1.00	ug/L		1.00	1	7/8/2025 16:59
Barium	37.3	ug/L		1.00	1	7/8/2025 16:59
Beryllium	<1.00	ug/L		1.00	1	7/8/2025 16:59
Cadmium	<0.300	ug/L		0.30	1	7/8/2025 16:59
Chromium	<1.00	ug/L		1.00	1	7/8/2025 16:59
Cobalt	<0.100	ug/L		0.10	1	7/8/2025 16:59
Copper	2.23	ug/L		0.50	1	7/8/2025 16:59
Lead	<0.500	ug/L		0.50	1	7/8/2025 16:59
Nickel	7.12	ug/L		0.50	1	7/8/2025 16:59
Selenium	<5.00	ug/L		5.00	1	7/8/2025 16:59
Silver	<0.100	ug/L		0.10	1	7/8/2025 16:59
Thallium	<0.500	ug/L		0.50	1	7/8/2025 16:59
Vanadium	0.329	ug/L		0.20	1	7/8/2025 16:59
Zinc	28.8	ug/L		5.00	1	7/8/2025 16:59

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1085-3-02

Batch Number: AB-250708-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/8/2025 10:34
Calcium	38.8	mg/L		1.00	1	7/8/2025 10:34
Iron	<0.100	mg/L		0.10	1	7/8/2025 10:34
Magnesium	2.40	mg/L		1.00	1	7/8/2025 10:34
Manganese	<0.0200	mg/L		0.02	1	7/8/2025 10:34
Potassium	1.97	mg/L		1.00	1	7/8/2025 10:34
Sodium	3.67	mg/L		1.00	1	7/8/2025 10:34
Hardness	107	mg/L		1.00	1	7/8/2025 10:34
Phosphorus	<1.00	mg/L		1.00	1	7/8/2025 10:34

Analytical Results



Collector: Geological, Arkansas

Site: Flint-398-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:59

Sample Barcode: 

Sample Number: 2025-1085

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1085-4-01

Batch Number: AB-250630-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/1/2025 13:07
Arsenic	<1.00	ug/L		1.00	1	7/1/2025 13:07
Barium	37.7	ug/L		1.00	1	7/1/2025 13:07
Beryllium	<1.00	ug/L		1.00	1	7/1/2025 13:07
Cadmium	<0.300	ug/L		0.30	1	7/1/2025 13:07
Chromium	<1.00	ug/L		1.00	1	7/1/2025 13:07
Cobalt	2.01	ug/L		0.10	1	7/1/2025 13:07
Copper	4.45	ug/L		0.50	1	7/1/2025 13:07
Lead	0.691	ug/L		0.50	1	7/1/2025 13:07
Nickel	8.56	ug/L		0.50	1	7/1/2025 13:07
Selenium	<5.00	ug/L		5.00	1	7/1/2025 13:07
Silver	<0.100	ug/L		0.10	1	7/1/2025 13:07
Thallium	<0.500	ug/L		0.50	1	7/1/2025 13:07
Vanadium	0.371	ug/L		0.20	1	7/1/2025 13:07
Zinc	38.0	ug/L		5.00	1	7/1/2025 13:07

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1085-4-02

Batch Number: AB-250630-021

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/1/2025 10:03
Calcium	42.3	mg/L		1.00	1	7/1/2025 10:03
Iron	0.198	mg/L		0.10	1	7/1/2025 10:03
Magnesium	2.73	mg/L		1.00	1	7/1/2025 10:03
Manganese	0.0204	mg/L		0.02	1	7/1/2025 10:03
Potassium	2.27	mg/L		1.00	1	7/1/2025 10:03
Sodium	4.13	mg/L		1.00	1	7/1/2025 10:03
Phosphorus	<1.00	mg/L		1.00	1	7/1/2025 10:03

Analytical Results



Collector: Geological, Arkansas

Site: Flint-340-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:18

Sample Barcode: 

Sample Number: 2025-1086

Alkalinity as CaCO₃

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-1086-1-01

Batch Number: AB-250620-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	95.0	mg/L		6.00	1	6/18/2025 15:20

Ammonia as N

Method: SM 4500-NH₃ H, 2021

Analyst:

Aliquot #: 2025-1086-1-02

Batch Number: AB-250618-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	6/18/2025 10:46

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: CAC

Aliquot #: 2025-1086-1-03

Batch Number: AB-250618-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	6/18/2025 20:26
Chloride	5.49	mg/L		0.50	1	6/18/2025 20:26
Bromide	<0.10	mg/L		0.10	1	6/18/2025 20:26
Sulfate	5.80	mg/L		0.50	1	6/18/2025 20:26

Nitrate +Nitrite as N

Method: SM 4500-NO₃ F, 2019

Analyst:

Aliquot #: 2025-1086-1-04

Batch Number: AB-250620-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	3.37	mg/L		0.05	1	6/18/2025 10:46

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1086-1-05

Batch Number: AB-250618-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.024	mg/L		0.02	1	6/18/2025 10:46

Analytical Results



Collector: Geological, Arkansas

Site: Flint-340-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:18

Sample Barcode: 

Sample Number: 2025-1086

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1086-1-06

Batch Number: AB-250630-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.28	None			1	6/17/2025 10:18

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1086-1-07

Batch Number: AB-250618-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	250	uS/cm		1.00	1	6/18/2025 10:11

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1086-1-08

Batch Number: AB-250619-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	150	mg/L		10.00	1	6/18/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1086-1-09

Batch Number: AB-250630-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	19.1	°C			1	6/17/2025 10:18

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1086-1-10

Batch Number: AB-250619-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	6/18/2025 8:10

Analytical Results



Collector: Geological, Arkansas

Site: Flint-340-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:18

Sample Barcode: 

Sample Number: 2025-1086

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1086-1-11

Batch Number: AB-250618-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	1.23	NTU		0.05	1	6/18/2025 10:11

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1086-1-12

Batch Number: AB-250620-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.38	mg/L		0.10	1	6/20/2025 11:24
Total Nitrogen from Lachat	3.75	mg/L		0.10	1	6/20/2025 11:24

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1086-1-13

Batch Number: AB-250620-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.04	mg/L		0.02	1	6/20/2025 11:24

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1086-2-01

Batch Number: AB-250618-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	6/18/2025 21:49

Analytical Results



Collector: Geological, Arkansas

Site: Flint-340-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:18

Sample Barcode: 

Sample Number: 2025-1086

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1086-3-01

Batch Number: AB-250708-002

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	7/8/2025 17:03
Arsenic	<1.00	ug/L		1.00	1	7/8/2025 17:03
Barium	50.8	ug/L		1.00	1	7/8/2025 17:03
Beryllium	<1.00	ug/L		1.00	1	7/8/2025 17:03
Cadmium	<0.300	ug/L		0.30	1	7/8/2025 17:03
Chromium	<1.00	ug/L		1.00	1	7/8/2025 17:03
Cobalt	<0.100	ug/L		0.10	1	7/8/2025 17:03
Copper	2.30	ug/L		0.50	1	7/8/2025 17:03
Lead	<0.500	ug/L		0.50	1	7/8/2025 17:03
Nickel	<0.500	ug/L		0.50	1	7/8/2025 17:03
Selenium	<5.00	ug/L		5.00	1	7/8/2025 17:03
Silver	<0.100	ug/L		0.10	1	7/8/2025 17:03
Thallium	<0.500	ug/L		0.50	1	7/8/2025 17:03
Vanadium	0.395	ug/L		0.20	1	7/8/2025 17:03
Zinc	27.1	ug/L		5.00	1	7/8/2025 17:03

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1086-3-02

Batch Number: AB-250708-004

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/8/2025 10:35
Calcium	39.4	mg/L		1.00	1	7/8/2025 10:35
Iron	<0.100	mg/L		0.10	1	7/8/2025 10:35
Magnesium	1.77	mg/L		1.00	1	7/8/2025 10:35
Manganese	<0.0200	mg/L		0.02	1	7/8/2025 10:35
Potassium	2.40	mg/L		1.00	1	7/8/2025 10:35
Sodium	5.20	mg/L		1.00	1	7/8/2025 10:35
Hardness	106	mg/L		1.00	1	7/8/2025 10:35
Phosphorus	<1.00	mg/L		1.00	1	7/8/2025 10:35

Analytical Results



Collector: Geological, Arkansas

Site: Flint-340-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:18

Sample Barcode: 

Sample Number: 2025-1086

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1086-4-01

Batch Number: AB-250630-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/1/2025 13:11
Arsenic	<1.00	ug/L		1.00	1	7/1/2025 13:11
Barium	51.6	ug/L		1.00	1	7/1/2025 13:11
Beryllium	<1.00	ug/L		1.00	1	7/1/2025 13:11
Cadmium	<0.300	ug/L		0.30	1	7/1/2025 13:11
Chromium	<1.00	ug/L		1.00	1	7/1/2025 13:11
Cobalt	<0.100	ug/L		0.10	1	7/1/2025 13:11
Copper	2.92	ug/L		0.50	1	7/1/2025 13:11
Lead	0.547	ug/L		0.50	1	7/1/2025 13:11
Nickel	<0.500	ug/L		0.50	1	7/1/2025 13:11
Selenium	<5.00	ug/L		5.00	1	7/1/2025 13:11
Silver	<0.100	ug/L		0.10	1	7/1/2025 13:11
Thallium	<0.500	ug/L		0.50	1	7/1/2025 13:11
Vanadium	0.366	ug/L		0.20	1	7/1/2025 13:11
Zinc	28.0	ug/L		5.00	1	7/1/2025 13:11

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1086-4-02

Batch Number: AB-250630-021

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/1/2025 10:05
Calcium	42.5	mg/L		1.00	1	7/1/2025 10:05
Iron	<0.100	mg/L		0.10	1	7/1/2025 10:05
Magnesium	1.90	mg/L		1.00	1	7/1/2025 10:05
Manganese	<0.0200	mg/L		0.02	1	7/1/2025 10:05
Potassium	2.71	mg/L		1.00	1	7/1/2025 10:05
Sodium	5.79	mg/L		1.00	1	7/1/2025 10:05
Phosphorus	<1.00	mg/L		1.00	1	7/1/2025 10:05

Analytical Results



Collector: Geological, Arkansas

Site: FlntFrm-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 11:33

Sample Barcode: 

Sample Number: 2025-1087

Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst:

Aliquot #: 2025-1087-1-01

Batch Number: AB-250620-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	186	mg/L		6.00	1	6/18/2025 15:21

Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst:

Aliquot #: 2025-1087-1-02

Batch Number: AB-250618-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	6/18/2025 10:47

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst: CAC

Aliquot #: 2025-1087-1-03

Batch Number: AB-250618-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	6/18/2025 20:35
Chloride	17.8	mg/L		0.50	1	6/18/2025 20:35
Bromide	<0.10	mg/L		0.10	1	6/18/2025 20:35
Sulfate	11.9	mg/L		0.50	1	6/18/2025 20:35

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst:

Aliquot #: 2025-1087-1-04

Batch Number: AB-250620-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	13.4	mg/L		0.25	5	6/18/2025 10:47

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1087-1-05

Batch Number: AB-250618-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.030	mg/L		0.02	1	6/18/2025 10:47

Analytical Results



Collector: Geological, Arkansas

Site: FlntFrm-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 11:33

Sample Barcode: 

Sample Number: 2025-1087

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2025-1087-1-06

Batch Number: AB-250630-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.25	None			1	6/17/2025 11:33

Specific Conductance

Method: EPA 120.1, 1982

Analyst: CAC

Aliquot #: 2025-1087-1-07

Batch Number: AB-250618-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	577	uS/cm		1.00	1	6/18/2025 10:12

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2025-1087-1-08

Batch Number: AB-250619-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	372	mg/L		10.00	1	6/18/2025 15:00

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2025-1087-1-09

Batch Number: AB-250630-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	19.6	°C			1	6/17/2025 11:33

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2025-1087-1-10

Batch Number: AB-250619-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	6/18/2025 8:10

Analytical Results



Collector: Geological, Arkansas

Site: FlntFrm-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 11:33

Sample Barcode: 

Sample Number: 2025-1087

Turbidity

Method: EPA 180.1

Analyst: CAC

Aliquot #: 2025-1087-1-11

Batch Number: AB-250618-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.59	NTU		0.05	1	6/18/2025 10:12

Total Kjeldahl Nitrogen as N

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

Analyst:

Aliquot #: 2025-1087-1-12

Batch Number: AB-250620-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	1.25	mg/L		0.10	1	6/20/2025 11:25
Total Nitrogen from Lachat	14.6	mg/L		0.50	5	6/20/2025 11:25

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst:

Aliquot #: 2025-1087-1-13

Batch Number: AB-250620-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.05	mg/L		0.02	1	6/20/2025 11:25

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2025-1087-2-01

Batch Number: AB-250618-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	6/18/2025 22:03

Analytical Results



Collector: Geological, Arkansas

Site: FlntFrm-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 11:33

Sample Barcode: 

Sample Number: 2025-1087

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1087-3-01

Batch Number: AB-250708-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/8/2025 17:07
Arsenic	<1.00	ug/L		1.00	1	7/8/2025 17:07
Barium	130	ug/L		5.00	5	7/8/2025 18:40
Beryllium	<1.00	ug/L		1.00	1	7/8/2025 17:07
Cadmium	0.663	ug/L		0.30	1	7/8/2025 17:07
Chromium	<1.00	ug/L		1.00	1	7/8/2025 17:07
Cobalt	<0.100	ug/L		0.10	1	7/8/2025 17:07
Copper	1.43	ug/L		0.50	1	7/8/2025 17:07
Lead	<0.500	ug/L		0.50	1	7/8/2025 17:07
Nickel	1.04	ug/L		0.50	1	7/8/2025 17:07
Selenium	<5.00	ug/L		5.00	1	7/8/2025 17:07
Silver	<0.100	ug/L		0.10	1	7/8/2025 17:07
Thallium	<0.500	ug/L		0.50	1	7/8/2025 17:07
Vanadium	0.433	ug/L		0.20	1	7/8/2025 17:07
Zinc	63.5	ug/L		25.00	5	7/8/2025 18:40

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1087-3-02

Batch Number: AB-250708-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/8/2025 10:37
Calcium	97.0	mg/L		5.00	5	7/8/2025 11:20
Iron	<0.100	mg/L		0.10	1	7/8/2025 10:37
Magnesium	4.46	mg/L		1.00	1	7/8/2025 10:37
Manganese	<0.0200	mg/L		0.02	1	7/8/2025 10:37
Potassium	5.41	mg/L		1.00	1	7/8/2025 10:37
Sodium	9.21	mg/L		1.00	1	7/8/2025 10:37
Hardness	258	mg/L		1.00	1	7/8/2025 10:37
Phosphorus	<1.00	mg/L		1.00	1	7/8/2025 10:37

Analytical Results



Collector: Geological, Arkansas

Site: FlntFrm-W-01

Work Order Number: WO-250617-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 6/17/2025 11:33

Sample Barcode: 

Sample Number: 2025-1087

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1087-4-01

Batch Number: AB-250630-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/1/2025 13:23
Arsenic	<1.00	ug/L		1.00	1	7/1/2025 13:23
Barium	130	ug/L		5.00	5	7/1/2025 14:32
Beryllium	<1.00	ug/L		1.00	1	7/1/2025 13:23
Cadmium	0.705	ug/L		0.30	1	7/1/2025 13:23
Chromium	<1.00	ug/L		1.00	1	7/1/2025 13:23
Cobalt	<0.100	ug/L		0.10	1	7/1/2025 13:23
Copper	1.85	ug/L		0.50	1	7/1/2025 13:23
Lead	<0.500	ug/L		0.50	1	7/1/2025 13:23
Nickel	4.27	ug/L		0.50	1	7/1/2025 13:23
Selenium	<5.00	ug/L		5.00	1	7/1/2025 13:23
Silver	<0.100	ug/L		0.10	1	7/1/2025 13:23
Thallium	<0.500	ug/L		0.50	1	7/1/2025 13:23
Vanadium	0.391	ug/L		0.20	1	7/1/2025 13:23
Zinc	67.8	ug/L		25.00	5	7/1/2025 14:32

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1087-4-02

Batch Number: AB-250630-021

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/1/2025 10:09
Calcium	105	mg/L		5.00	5	7/1/2025 10:43
Iron	<0.100	mg/L		0.10	1	7/1/2025 10:09
Magnesium	4.80	mg/L		1.00	1	7/1/2025 10:09
Manganese	<0.0200	mg/L		0.02	1	7/1/2025 10:09
Potassium	6.01	mg/L		1.00	1	7/1/2025 10:09
Sodium	10.3	mg/L		1.00	1	7/1/2025 10:09
Phosphorus	<1.00	mg/L		1.00	1	7/1/2025 10:09

Analytical Results



Collector: Geological, Arkansas

Site: Metals Field Blank

Work Order Number: WO-250617-03

Sample Classification: Special

Project: EVT

Matrix: Water

Collected: 6/17/2025 10:31

Sample Barcode: 

Sample Number: 2025-1088

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: CAC

Aliquot #: 2025-1088-1-01

Batch Number: AB-250708-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	7/8/2025 17:11
Arsenic	<1.00	ug/L		1.00	1	7/8/2025 17:11
Barium	<1.00	ug/L		1.00	1	7/8/2025 17:11
Beryllium	<1.00	ug/L		1.00	1	7/8/2025 17:11
Cadmium	<0.300	ug/L		0.30	1	7/8/2025 17:11
Chromium	<1.00	ug/L		1.00	1	7/8/2025 17:11
Cobalt	<0.100	ug/L		0.10	1	7/8/2025 17:11
Copper	<0.500	ug/L		0.50	1	7/8/2025 17:11
Lead	<0.500	ug/L		0.50	1	7/8/2025 17:11
Nickel	<0.500	ug/L		0.50	1	7/8/2025 17:11
Selenium	<5.00	ug/L		5.00	1	7/8/2025 17:11
Silver	<0.100	ug/L		0.10	1	7/8/2025 17:11
Thallium	<0.500	ug/L		0.50	1	7/8/2025 17:11
Vanadium	<0.200	ug/L		0.20	1	7/8/2025 17:11
Zinc	<5.00	ug/L		5.00	1	7/8/2025 17:11

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: CAC

Aliquot #: 2025-1088-1-02

Batch Number: AB-250708-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	7/8/2025 10:39
Calcium	<1.00	mg/L		1.00	1	7/8/2025 10:39
Iron	<0.100	mg/L		0.10	1	7/8/2025 10:39
Magnesium	<1.00	mg/L		1.00	1	7/8/2025 10:39
Manganese	<0.0200	mg/L		0.02	1	7/8/2025 10:39
Potassium	<1.00	mg/L		1.00	1	7/8/2025 10:39
Sodium	<1.00	mg/L		1.00	1	7/8/2025 10:39
Hardness	<1.00	mg/L		1.00	1	7/8/2025 10:39
Phosphorus	<1.00	mg/L		1.00	1	7/8/2025 10:39

QUALITY CONTROL REPORT

Project: **EVT Routine+Metals 2025 1082-1088**

Date and Time Received: 6/17/2025 16:13:00

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-250618-001		Parent Sample:	2025-1074			
	mg/L	<0.03	0.03	103.5 /	80-120			-		98.8 / 98.5	80-120	0.3	-	
Turbidity		EPA 180.1					Batch #:	AB-250618-002		Parent Sample:				
	NTU	<0.05	0.05	101.0 /	90-110			-		/	-		-	
Specific Conductance		EPA 120.1, 1982					Batch #:	AB-250618-004		Parent Sample:				
	uS/cm	<1.00	1.00	100.0 /	95-105			-		/	-		-	
Anions		EPA 300.0 (Rev.2.1, 1993)					Batch #:	AB-250618-009		Parent Sample:	2025-1074			
Br	mg/L	<0.10	0.10	96.6 /	90-110			-		85.7 / 85.7	80-120	0.0	-	
Cl	mg/L	<0.50	0.50	101.1 /	90-110			-		97.4 / 97.6	80-120	0.1	-	
F	mg/L	<0.10	0.10	100.5 /	90-110			-		96.8 / 97.2	80-120	0.4	-	
SO4	mg/L	<0.50	0.50	101.5 /	90-110			-		96.9 / 97.2	80-120	0.2	-	
		SM 5310 C, 2014					Batch #:	AB-250618-012		Parent Sample:	2025-1074			
	mg/L	<1.00	1,000.00	97.8 /	85-115			-		95.0 / 98.0	80-120	2.7	-	
Orthophosphate as P		SM 4500-P G, 2021					Batch #:	AB-250618-015		Parent Sample:	2025-1074			
	mg/L	<0.02	0.02	97.5 /	80-120			-		94.0 / 94.5	80-120	0.5	-	
Total Suspended Solids		SM 2540 D, 2020					Batch #:	AB-250619-001		Parent Sample:				
	mg/L	<2.00	2.00	104.3 /	90-110			-		/	-		-	
Total Dissolved Solids		SM 2540 C, 2020					Batch #:	AB-250619-005		Parent Sample:				
	mg/L	<10.0	10.00	104.5 /	90-110			-		/	-		-	
Nitrate +Nitrite as N		SM 4500-NO3 F, 2019					Batch #:	AB-250620-001		Parent Sample:	2025-1074			
	mg/L	<0.05	0.05	98.3 /	80-120			-		96.7 / 98.3	80-120	0.5	-	
Alkalinity as CaCO3		EPA 310.2 (Rev. 1974)					Batch #:	AB-250620-004		Parent Sample:				
	mg/L	<6.00	6.00	95.6 /	90-110			-		/	-		-	
		SM 4500-P G, 2021					Batch #:	AB-250620-007		Parent Sample:	2025-1074			
	mg/L	<0.02	0.02	96.5 /	80-120			-		96.2 / 97.2	80-120	1.0	-	
		SM 4500-N(org) C, 2021					Batch #:	AB-250620-010		Parent Sample:	2025-1074			
	mg/L	<0.10	0.10	95.3 /	80-120			-		105.0 / 111.0	80-120	4.7	-	
		EPA 200.8 (Rev. 5.4, 1994)					Batch #:	AB-250630-019		Parent Sample:	2025-1077			
Ag	ug/L	<0.100	0.10	94.4 /	85-115			-		94.8 / 92.5	70-130	2.5	-	

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		-			107.9 / 106.9	70-130	0.9	-	
Ba	ug/L	<1.00	1.00	96.2 /	85-115		-			104.5 / 96.1	70-130	3.7	-	
Be	ug/L	<1.00	1.00	101.7 /	85-115		-			111.2 / 106.2	70-130	4.6	-	
Cd	ug/L	<0.300	0.30	101.7 /	85-115		-			106.2 / 104.1	70-130	2.0	-	
Co	ug/L	<0.100	0.10	96.6 /	85-115		-			95.4 / 95.3	70-130	0.1	-	
Cr	ug/L	<1.00	1.00	99.2 /	85-115		-			101.2 / 100.1	70-130	1.0	-	
Cu	ug/L	<0.500	0.50	93.3 /	85-115		-			90.3 / 89.4	70-130	1.0	-	
Ni	ug/L	<0.500	0.50	95.2 /	85-115		-			92.7 / 91.6	70-130	1.1	-	
Pb	ug/L	<0.500	0.50	103.2 /	85-115		-			106.9 / 106.1	70-130	0.7	-	
Sb	ug/L	<2.00	2.00	106.5 /	85-115		-			108.1 / 106.9	70-130	1.1	-	
Se	ug/L	<5.00	5.00	102.0 /	85-115		-			110.1 / 109.4	70-130	0.6	-	
Tl	ug/L	<0.500	0.50	101.1 /	85-115		-			106.9 / 105.1	70-130	1.7	-	
V	ug/L	<0.200	0.20	98.4 /	85-115		-			100.7 / 99.4	70-130	1.1	-	
Zn	ug/L	<5.00	5.00	102.0 /	85-115		-			103.1 / 102.6	70-130	0.5	-	
EPA 200.7				Batch #: AB-250630-021				Parent Sample: 2025-1077						
Al	mg/L	<0.100	0.10	98.1 /	85-115		-			101.2 / 100.2	70-130	0.9	-	
Ca	mg/L	<1.00	1.00	102.5 /	85-115		-			100.7 / 86.8	70-130	2.0	-	
Fe	mg/L	<0.100	0.10	100.6 /	85-115		-			100.3 / 98.7	70-130	1.1	-	
K	mg/L	<1.00	1.00	97.9 /	85-115		-			103.2 / 102.1	70-130	1.0	-	
Mg	mg/L	<1.00	1.00	100.7 /	85-115		-			100.1 / 98.6	70-130	1.2	-	
Mn	mg/L	<0.0200	0.02	100.2 /	85-115		-			98.7 / 97.2	70-130	1.2	-	
Na	mg/L	<1.00	1.00	102.3 /	85-115		-			105.9 / 102.2	70-130	1.6	-	
P	mg/L	<1.00	1.00	102.9 /	85-115		-			105.2 / 104.5	70-130	0.7	-	
ICP/MS Metals (Dissolved)				EPA 200.8 (Rev. 5.4, 1994)				Batch #: AB-250708-002				Parent Sample: 2025-1079		
Ag	ug/L	<0.100	0.10	93.5 /	85-115		-			87.3 / 87.0	70-130	0.3	-	
As	ug/L	<1.00	1.00	102.1 /	85-115		-			99.2 / 97.9	70-130	1.3	-	
Ba	ug/L	<1.00	1.00	93.5 /	85-115		-			91.5 / 90.8	70-130	0.6	-	
Be	ug/L	<1.00	1.00	99.6 /	85-115		-			96.7 / 95.8	70-130	0.9	-	
Cd	ug/L	<0.300	0.30	100.9 /	85-115		-			96.9 / 96.2	70-130	0.7	-	
Co	ug/L	<0.100	0.10	98.3 /	85-115		-			91.3 / 90.2	70-130	1.2	-	
Cr	ug/L	<1.00	1.00	101.6 /	85-115		-			94.6 / 94.0	70-130	0.6	-	
Cu	ug/L	<0.500	0.50	95.2 /	85-115		-			88.2 / 88.0	70-130	0.2	-	
Ni	ug/L	<0.500	0.50	97.1 /	85-115		-			89.2 / 89.2	70-130	0.0	-	
Pb	ug/L	<0.500	0.50	104.7 /	85-115		-			98.4 / 97.3	70-130	1.1	-	
Sb	ug/L	<2.00	2.00	105.4 /	85-115		-			100.8 / 100.9	70-130	0.2	-	
Se	ug/L	<5.00	5.00	102.9 /	85-115		-			101.8 / 100.7	70-130	1.1	-	
Tl	ug/L	<0.500	0.50	101.0 /	85-115		-			96.4 / 95.1	70-130	1.4	-	
V	ug/L	<0.200	0.20	99.4 /	85-115		-			93.2 / 92.7	70-130	0.5	-	
Zn	ug/L	<5.00	5.00	103.0 /	85-115		-			97.2 / 99.1	70-130	1.7	-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
ICP/OES Metals (Dissolved)		EPA 200.7		Batch #:		AB-250708-004		Parent Sample:		2025-1079				
Al	mg/L	<0.100	0.10	91.5 /	85-115		-	86.9 / 86.6	70-131	0.3	-			
Ca	mg/L	<1.00	1.00	98.7 /	85-115		-	91.7 / 91.3	70-131	0.2	-			
Fe	mg/L	<0.100	0.10	95.2 /	85-115		-	88.8 / 88.7	70-131	0.2	-			
K	mg/L	<1.00	1.00	91.8 /	85-115		-	86.0 / 86.1	70-131	0.0	-			
Mg	mg/L	<1.00	1.00	96.8 /	85-115		-	90.5 / 90.1	70-131	0.4	-			
Mn	mg/L	<0.0200	0.02	95.8 /	85-115		-	89.1 / 89.0	70-131	0.1	-			
Na	mg/L	<1.00	1.00	95.2 /	85-115		-	88.6 / 87.9	70-131	0.5	-			
P	mg/L	<1.00	1.00	97.9 /	85-115		-	91.6 / 91.4	70-131	0.2	-			

FIELD QUALITY CONTROL REPORT

Work Order # WO-250617-03

Parent Sample 2025-1082

Analyte(s)	Parent Sample Result	Field Dup Result	Units	% RPD	Limits	Batch Number
Aliquot #	AB-250618-001 Dup - Field 4		Parent Aliquot #	2025-1082-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-250618-001
Aliquot #	AB-250618-001 Dup - Field 5		Parent Aliquot #	2025-1084-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-250618-001
Aliquot #	AB-250618-002 Dup - Field 4		Parent Aliquot #	2025-1082-1-11		
Turbidity		2.46	NTU	7.59	0 - 20	AB-250618-002
Aliquot #	AB-250618-002 Dup - Field 5		Parent Aliquot #	2025-1084-1-11		
Turbidity		0.58	NTU	14.81	0 - 20	AB-250618-002
Aliquot #	AB-250618-004 Dup - Field 4		Parent Aliquot #	2025-1082-1-07		
Specific Conductance		301	uS/cm	1.68	0 - 20	AB-250618-004
Aliquot #	AB-250618-004 Dup - Field 5		Parent Aliquot #	2025-1084-1-07		
Specific Conductance		363	uS/cm	0.55	0 - 20	AB-250618-004
Aliquot #	AB-250618-009 Dup - Field 4		Parent Aliquot #	2025-1082-1-03		
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-250618-009
Chloride		4.12	mg/L	3.34	0 - 20	AB-250618-009
Bromide		<0.10	mg/L	0.00	0 - 20	AB-250618-009
Sulfate		5.40	mg/L	10.20	0 - 20	AB-250618-009
Aliquot #	AB-250618-009 Dup - Field 5		Parent Aliquot #	2025-1084-1-03		
Fluoride		0.23	mg/L	1.95	0 - 20	AB-250618-009
Chloride		5.24	mg/L	0.47	0 - 20	AB-250618-009
Bromide		0.12	mg/L	1.81	0 - 20	AB-250618-009
Sulfate		3.78	mg/L	0.93	0 - 20	AB-250618-009
Aliquot #	AB-250618-012 Dup - Field 4		Parent Aliquot #	2025-1082-2-01		
Dissolved Organic Carbon		<1.00	mg/L	2.01	0 - 20	AB-250618-012
Aliquot #	AB-250618-012 Dup - Field 5		Parent Aliquot #	2025-1084-2-01		
Dissolved Organic Carbon		<1.00	mg/L	10.18	0 - 20	AB-250618-012
Aliquot #	AB-250618-015 Dup - Field 4		Parent Aliquot #	2025-1082-1-05		
Orthophosphate as Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-250618-015
Aliquot #	AB-250618-015 Dup - Field 5		Parent Aliquot #	2025-1084-1-05		
Orthophosphate as Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-250618-015
Aliquot #	AB-250619-001 Dup - Field 4		Parent Aliquot #	2025-1082-1-10		
Total Suspended Solids		<2.00	mg/L	0.00	0 - 5	AB-250619-001

Aliquot #	AB-250619-001 Dup - Field 5		Parent Aliquot #	2025-1084-1-10	
Total Suspended Solids		<2.00	mg/L	0.00	0 - 5 AB-250619-001
Aliquot #	AB-250619-005 Dup - Field 4		Parent Aliquot #	2025-1082-1-08	
Total Dissolved Solids		179	mg/L	1.41	0 - 5 AB-250619-005
Aliquot #	AB-250619-005 Dup - Field 5		Parent Aliquot #	2025-1084-1-08	
Total Dissolved Solids		210	mg/L	0.95	0 - 5 AB-250619-005
Aliquot #	AB-250620-001 Dup - Field 4		Parent Aliquot #	2025-1082-1-04	
Nitrite+Nitrate as Nitrogen		1.73	mg/L	12.47	0 - 20 AB-250620-001
Aliquot #	AB-250620-001 Dup - Field 5		Parent Aliquot #	2025-1084-1-04	
Nitrite+Nitrate as Nitrogen		1.05	mg/L	1.89	0 - 20 AB-250620-001
Aliquot #	AB-250620-004 Dup - Field 4		Parent Aliquot #	2025-1082-1-01	
Alkalinity		130	mg/L	3.13	0 - 20 AB-250620-004
Aliquot #	AB-250620-004 Dup - Field 5		Parent Aliquot #	2025-1084-1-01	
Alkalinity		160	mg/L	1.89	0 - 20 AB-250620-004
Aliquot #	AB-250620-007 Dup - Field 4		Parent Aliquot #	2025-1082-1-13	
Total Phosphorus		<0.02	mg/L	40.89	0 - 20 AB-250620-007
Aliquot #	AB-250620-007 Dup - Field 5		Parent Aliquot #	2025-1084-1-13	
Total Phosphorus		<0.02	mg/L	0.00	0 - 20 AB-250620-007
Aliquot #	AB-250620-010 Dup - Field 4		Parent Aliquot #	2025-1082-1-12	
Total Kjeldahl Nitrogen		2.32	mg/L	161.09	0 - 20 AB-250620-010
Aliquot #	AB-250620-010 Dup - Field 5		Parent Aliquot #	2025-1084-1-12	
Total Kjeldahl Nitrogen		0.14	mg/L	19.35	0 - 20 AB-250620-010
Aliquot #	AB-250630-003 Dup - Field 1		Parent Aliquot #	2025-1084-1-06	
pH		7.55	units	0.00	0 - 20 AB-250630-003
Aliquot #	AB-250630-003 Dup - Field 2		Parent Aliquot #	2025-1082-1-06	
pH		7.18	units	0.00	0 - 20 AB-250630-003
Aliquot #	AB-250630-004 Dup - Field 1		Parent Aliquot #	2025-1082-1-09	
Water Temperature		23.3	°C	0.00	0 - 20 AB-250630-004
Aliquot #	AB-250630-004 Dup - Field 2		Parent Aliquot #	2025-1084-1-09	
Water Temperature		18.3	°C	0.00	0 - 20 AB-250630-004
Aliquot #	AB-250630-019 Dup - Field 3		Parent Aliquot #	2025-1084-4-01	
Antimony		<2.00	ug/L	0.00	0 - 20 AB-250630-019
Arsenic		<1.00	ug/L	0.00	0 - 20 AB-250630-019
Barium		15.8	ug/L	0.61	0 - 20 AB-250630-019
Beryllium		<1.00	ug/L	0.00	0 - 20 AB-250630-019
Cadmium		<0.300	ug/L	0.00	0 - 20 AB-250630-019
Chromium		<1.00	ug/L	0.00	0 - 20 AB-250630-019
Cobalt		0.268	ug/L	3.83	0 - 20 AB-250630-019

Copper	<0.500	ug/L	0.00	0 - 20	AB-250630-019
Lead	<0.500	ug/L	0.00	0 - 20	AB-250630-019
Nickel	6.94	ug/L	0.73	0 - 20	AB-250630-019
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250630-019
Silver	<0.100	ug/L	0.00	0 - 20	AB-250630-019
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250630-019
Vanadium	<0.200	ug/L	0.00	0 - 20	AB-250630-019
Zinc	1020	ug/L	0.00	0 - 20	AB-250630-019

Aliquot #	AB-250630-021 Dup - Field 3	Parent Aliquot #	2025-1084-4-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250630-021
Calcium	62.6	mg/L	1.08	0 - 20	AB-250630-021
Iron	0.156	mg/L	2.34	0 - 20	AB-250630-021
Magnesium	3.45	mg/L	1.43	0 - 20	AB-250630-021
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250630-021
Potassium	<1.00	mg/L	0.00	0 - 20	AB-250630-021
Sodium	11.7	mg/L	1.92	0 - 20	AB-250630-021
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250630-021

Aliquot #	AB-250708-002 Dup - Field 2	Parent Aliquot #	2025-1082-3-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250708-002
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250708-002
Barium	51.8	ug/L	0.96	0 - 20	AB-250708-002
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250708-002
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250708-002
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250708-002
Cobalt	0.176	ug/L	6.17	0 - 20	AB-250708-002
Copper	66.8	ug/L	8.01	0 - 20	AB-250708-002
Lead	<0.500	ug/L	0.00	0 - 20	AB-250708-002
Nickel	6.93	ug/L	3.71	0 - 20	AB-250708-002
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250708-002
Silver	<0.100	ug/L	0.00	0 - 20	AB-250708-002
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250708-002
Vanadium	0.405	ug/L	22.45	0 - 20	AB-250708-002
Zinc	80.6	ug/L	0.00	0 - 20	AB-250708-002

Aliquot #	AB-250708-002 Dup - Field 3	Parent Aliquot #	2025-1084-3-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250708-002
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250708-002
Barium	15.0	ug/L	0.44	0 - 20	AB-250708-002
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250708-002
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250708-002
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250708-002
Cobalt	0.245	ug/L	0.61	0 - 20	AB-250708-002
Copper	<0.500	ug/L	0.00	0 - 20	AB-250708-002
Lead	<0.500	ug/L	0.00	0 - 20	AB-250708-002
Nickel	6.44	ug/L	0.24	0 - 20	AB-250708-002

Selenium	<5.00	ug/L	0.00	0 - 20	AB-250708-002
Silver	<0.100	ug/L	0.00	0 - 20	AB-250708-002
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250708-002
Vanadium	<0.200	ug/L	0.00	0 - 20	AB-250708-002
Zinc	979	ug/L	0.00	0 - 20	AB-250708-002

Aliquot #	AB-250708-004 Dup - Field 2	Parent Aliquot #	2025-1082-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250708-004
Calcium	54.3	mg/L	2.14	0 - 20	AB-250708-004
Iron	<0.100	mg/L	0.00	0 - 20	AB-250708-004
Magnesium	1.60	mg/L	1.08	0 - 20	AB-250708-004
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250708-004
Potassium	1.43	mg/L	7.82	0 - 20	AB-250708-004
Sodium	3.69	mg/L	3.18	0 - 20	AB-250708-004
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250708-004

Aliquot #	AB-250708-004 Dup - Field 3	Parent Aliquot #	2025-1084-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250708-004
Calcium	57.7	mg/L	0.21	0 - 20	AB-250708-004
Iron	0.114	mg/L	0.70	0 - 20	AB-250708-004
Magnesium	3.20	mg/L	0.71	0 - 20	AB-250708-004
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250708-004
Potassium	<1.00	mg/L	0.00	0 - 20	AB-250708-004
Sodium	10.5	mg/L	1.06	0 - 20	AB-250708-004
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250708-004