

# Analytical Results



## Lab Contact Info:

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Collector: Geological, Arkansas

Project: EVT

Project Description: EVT Routine+Metals 2024 3138-3145

Date and Time Received: 12/17/2024 15:34:00

Work Order Number: WO-241217-02

## Case Narrative:

1534

## Sample Receipt Conditions:

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

## Data Qualifiers

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

# Analytical Results



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

Collector: Geological, Arkansas      Site: LR-W-01-01      **Work Order Number: WO-241217-02**

Sample Classification: Routine Monitoring      Project: EVT  
 Matrix: Water      Collected: 12/16/2024 15:05  
 Sample Barcode:      Sample Number: 2024-3138

**Alkalinity as CaCO3**      **Method: EPA 310.2 (Rev. 1974)**      **Analyst: JR**  
**Aliquot #: 2024-3138-1-01**      **Batch Number: AB-241218-015**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	179	mg/L		6.00	1	12/18/2024 13:47

**Ammonia as N**      **Method: SM 4500-NH3 H, 2021**      **Analyst: JR**  
**Aliquot #: 2024-3138-1-02**      **Batch Number: AB-241217-026**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	12/17/2024 16:29

**Nitrate +Nitrite as N**      **Method: SM 4500-NO3 F, 2019**      **Analyst: JR**  
**Aliquot #: 2024-3138-1-04**      **Batch Number: AB-241218-011**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	6.95	mg/L		0.25	5	12/17/2024 16:35

**Orthophosphate as P**      **Method: SM 4500-P G, 2021**      **Analyst: JR**  
**Aliquot #: 2024-3138-1-05**      **Batch Number: AB-241218-007**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.062	mg/L		0.02	1	12/17/2024 16:29

**pH**      **Method: SM 4500-H+ B, 2021**      **Analyst: AGS**  
**Aliquot #: 2024-3138-1-06**      **Batch Number: AB-250102-001**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.37	None			1	12/16/2024 15:05

# Analytical Results



Collector: Geological, Arkansas

Site: LR-W-01-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:05

Sample Barcode: 

Sample Number: 2024-3138

**Specific Conductance**

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-3138-1-07

Batch Number: AB-250102-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	418	uS/cm		1.00	1	12/18/2024 10:21

**Total Dissolved Solids**

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-3138-1-08

Batch Number: AB-241220-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	252	mg/L		10.00	1	12/18/2024 16:00

**Water Temperature**

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-3138-1-09

Batch Number: AB-250102-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	17.6	°C			1	12/16/2024 15:05

**Total Suspended Solids**

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-3138-1-10

Batch Number: AB-241219-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	12/17/2024 15:45

**Turbidity**

Method: EPA 180.1

Analyst:

Aliquot #: 2024-3138-1-11

Batch Number: AB-241230-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	1.36	NTU		0.05	1	12/18/2024 10:21

# Analytical Results



Collector: Geological, Arkansas      Site: LR-W-01-01      Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:05

Sample Barcode: 

Sample Number: 2024-3138

**Total Kjeldahl Nitrogen as N**

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

Analyst: JR

Aliquot #: 2024-3138-1-12

Batch Number: AB-241218-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.15	mg/L		0.10	1	12/19/2024 8:52
Total Nitrogen from Lachat	7.10	mg/L		0.50	5	12/19/2024 8:52

**Total Phosphorus as P**

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3138-1-13

Batch Number: AB-241218-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.06	mg/L		0.02	1	12/19/2024 8:25

**Dissolved Organic Carbon**

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-3138-2-01

Batch Number: AB-241218-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	12/18/2024 20:13

# Analytical Results



Collector: Geological, Arkansas

Site: LR-W-01-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:05

Sample Barcode: 

Sample Number: 2024-3138

**ICP/MS Metals (Dissolved)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3138-3-01

Batch Number: AB-250128-001

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	1/28/2025	12:05
Arsenic	<1.00	ug/L		1.00	1	1/28/2025	12:05
Barium	101	ug/L		5.00	5	1/28/2025	12:05
Beryllium	<1.00	ug/L		1.00	1	1/28/2025	12:05
Cadmium	<0.300	ug/L		0.30	1	1/28/2025	12:05
Chromium	<1.00	ug/L		1.00	1	1/28/2025	12:05
Cobalt	<0.100	ug/L		0.10	1	1/28/2025	12:05
Copper	0.528	ug/L		0.50	1	1/28/2025	12:05
Lead	<0.500	ug/L		0.50	1	1/28/2025	12:05
Nickel	0.706	ug/L		0.50	1	1/28/2025	12:05
Selenium	<5.00	ug/L		5.00	1	1/28/2025	12:05
Silver	<0.100	ug/L		0.10	1	1/28/2025	12:05
Thallium	<0.500	ug/L		0.50	1	1/28/2025	12:05
Vanadium	0.521	ug/L		0.20	1	1/28/2025	12:05
Zinc	106	ug/L		25.00	5	1/28/2025	12:05

**ICP/OES Metals (Dissolved)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3138-3-02

Batch Number: AB-250129-012

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	1/29/2025	13:11
Calcium	68.1	mg/L		5.00	5	1/29/2025	15:13
Iron	<0.100	mg/L		0.10	1	1/29/2025	13:11
Magnesium	3.95	mg/L		1.00	1	1/29/2025	13:11
Manganese	<0.0200	mg/L		0.02	1	1/29/2025	13:11
Potassium	8.19	mg/L		1.00	1	1/29/2025	13:11
Sodium	3.96	mg/L		1.00	1	1/29/2025	13:11
Hardness	186	mg/L		1.00	1	1/29/2025	15:13
Phosphorus	<1.00	mg/L		1.00	1	1/29/2025	13:11

# Analytical Results



Collector: Geological, Arkansas

Site: LR-W-01-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:05

Sample Barcode: 

Sample Number: 2024-3138

**ICP/MS Metals (Total)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3138-4-01

Batch Number: AB-250206-004

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	2/7/2025	11:24
Arsenic	<1.00	ug/L		1.00	1	2/7/2025	11:24
Barium	99.8	ug/L		1.00	1	2/7/2025	11:24
Beryllium	<1.00	ug/L		1.00	1	2/7/2025	11:24
Cadmium	<0.300	ug/L		0.30	1	2/7/2025	11:24
Chromium	<1.00	ug/L		1.00	1	2/7/2025	11:24
Cobalt	<0.100	ug/L		0.10	1	2/7/2025	11:24
Copper	<0.500	ug/L		0.50	1	2/7/2025	11:24
Lead	<0.500	ug/L		0.50	1	2/7/2025	11:24
Nickel	0.737	ug/L		0.50	1	2/7/2025	11:24
Selenium	<5.00	ug/L		5.00	1	2/7/2025	11:24
Silver	<0.100	ug/L		0.10	1	2/7/2025	11:24
Thallium	<0.500	ug/L		0.50	1	2/7/2025	11:24
Vanadium	0.431	ug/L		0.20	1	2/7/2025	11:24
Zinc	110	ug/L		50.00	10	2/7/2025	11:24

**ICP/OES Metals (Total)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3138-4-02

Batch Number: AB-250206-001

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	2/6/2025	12:36
Calcium	71.3	mg/L		5.00	5	2/6/2025	14:39
Iron	<0.100	mg/L		0.10	1	2/6/2025	12:36
Magnesium	4.20	mg/L		1.00	1	2/6/2025	12:36
Manganese	<0.0200	mg/L		0.02	1	2/6/2025	12:36
Potassium	8.59	mg/L		1.00	1	2/6/2025	12:36
Sodium	4.23	mg/L		1.00	1	2/6/2025	12:36
Phosphorus	<1.00	mg/L		1.00	1	2/6/2025	12:36

# Analytical Results



Collector: Geological, Arkansas      Site: LR-W-699D-01      Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:48

Sample Barcode: 

Sample Number: 2024-3139

**Alkalinity as CaCO3**

Method: EPA 310.2 (Rev. 1974)

Analyst: JR

Aliquot #: 2024-3139-1-01

Batch Number: AB-241218-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	237	mg/L		6.00	1	12/18/2024 13:48

**Ammonia as N**

Method: SM 4500-NH3 H, 2021

Analyst: JR

Aliquot #: 2024-3139-1-02

Batch Number: AB-241217-026

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	12/17/2024 16:32

**Nitrate +Nitrite as N**

Method: SM 4500-NO3 F, 2019

Analyst: JR

Aliquot #: 2024-3139-1-04

Batch Number: AB-241218-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	0.12	mg/L		0.05	1	12/17/2024 16:32

**Orthophosphate as P**

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3139-1-05

Batch Number: AB-241218-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	12/17/2024 16:32

**pH**

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-3139-1-06

Batch Number: AB-250102-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.40	None			1	12/16/2024 15:48

# Analytical Results



Collector: Geological, Arkansas

Site: LR-W-699D-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:48

Sample Barcode: 

Sample Number: 2024-3139

**Specific Conductance**

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-3139-1-07

Batch Number: AB-250102-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	450	uS/cm		1.00	1	12/18/2024 10:22

**Total Dissolved Solids**

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-3139-1-08

Batch Number: AB-241220-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	259	mg/L		10.00	1	12/18/2024 16:00

**Water Temperature**

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-3139-1-09

Batch Number: AB-250102-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	12.3	°C			1	12/16/2024 15:48

**Total Suspended Solids**

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-3139-1-10

Batch Number: AB-241219-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	12/17/2024 15:45

**Turbidity**

Method: EPA 180.1

Analyst:

Aliquot #: 2024-3139-1-11

Batch Number: AB-241230-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	4.90	NTU	R	0.05	1	12/18/2024 10:22



# Analytical Results



Collector: Geological, Arkansas

Site: LR-W-699D-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:48

Sample Barcode: 

Sample Number: 2024-3139

**Total Kjeldahl Nitrogen as N**

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

Analyst: JR

Aliquot #: 2024-3139-1-12

Batch Number: AB-241218-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	12/19/2024 8:53
Total Nitrogen from Lachat	0.20	mg/L		0.10	1	12/19/2024 8:53

**Total Phosphorus as P**

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3139-1-13

Batch Number: AB-241218-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	12/19/2024 8:53

**Dissolved Organic Carbon**

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-3139-2-01

Batch Number: AB-241218-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	12/18/2024 20:29

# Analytical Results



Collector: Geological, Arkansas

Site: LR-W-699D-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:48

Sample Barcode: 

Sample Number: 2024-3139

**ICP/MS Metals (Dissolved)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3139-3-01

Batch Number: AB-250128-001

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	1/28/2025	12:09
Arsenic	<1.00	ug/L		1.00	1	1/28/2025	12:09
Barium	24.3	ug/L	R	1.00	1	1/28/2025	12:09
Beryllium	<1.00	ug/L		1.00	1	1/28/2025	12:09
Cadmium	<0.300	ug/L		0.30	1	1/28/2025	12:09
Chromium	<1.00	ug/L		1.00	1	1/28/2025	12:09
Cobalt	0.179	ug/L	R	0.10	1	1/28/2025	12:09
Copper	<0.500	ug/L		0.50	1	1/28/2025	12:09
Lead	<0.500	ug/L		0.50	1	1/28/2025	12:09
Nickel	1.69	ug/L	R	0.50	1	1/28/2025	12:09
Selenium	<5.00	ug/L		5.00	1	1/28/2025	12:09
Silver	<0.100	ug/L		0.10	1	1/28/2025	12:09
Thallium	<0.500	ug/L		0.50	1	1/28/2025	12:09
Vanadium	<0.200	ug/L	R	0.20	1	1/28/2025	12:09
Zinc	276	ug/L		50.00	10	1/28/2025	12:09

**ICP/OES Metals (Dissolved)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3139-3-02

Batch Number: AB-250129-012

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	1/29/2025	13:13
Calcium	76.2	mg/L		5.00	5	1/29/2025	15:15
Iron	0.444	mg/L		0.10	1	1/29/2025	13:13
Magnesium	1.45	mg/L		1.00	1	1/29/2025	13:13
Manganese	<0.0200	mg/L		0.02	1	1/29/2025	13:13
Potassium	1.09	mg/L		1.00	1	1/29/2025	13:13
Sodium	26.5	mg/L		1.00	1	1/29/2025	13:13
Hardness	196	mg/L		1.00	1	1/29/2025	15:15
Phosphorus	<1.00	mg/L		1.00	1	1/29/2025	13:13

# Analytical Results



Collector: Geological, Arkansas

Site: LR-W-699D-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 15:48

Sample Barcode: 

Sample Number: 2024-3139

**ICP/MS Metals (Total)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3139-4-01

Batch Number: AB-250206-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	2/7/2025	11:40
Arsenic	<1.00	ug/L		1.00	1	2/7/2025	11:40
Barium	25.2	ug/L		1.00	1	2/7/2025	11:40
Beryllium	<1.00	ug/L		1.00	1	2/7/2025	11:40
Cadmium	<0.300	ug/L		0.30	1	2/7/2025	11:40
Chromium	<1.00	ug/L		1.00	1	2/7/2025	11:40
Cobalt	0.189	ug/L		0.10	1	2/7/2025	11:40
Copper	9.49	ug/L		0.50	1	2/7/2025	11:40
Lead	0.682	ug/L		0.50	1	2/7/2025	11:40
Nickel	1.85	ug/L		0.50	1	2/7/2025	11:40
Selenium	<5.00	ug/L		5.00	1	2/7/2025	11:40
Silver	<0.100	ug/L		0.10	1	2/7/2025	11:40
Thallium	<0.500	ug/L		0.50	1	2/7/2025	11:40
Vanadium	<0.200	ug/L		0.20	1	2/7/2025	11:40
Zinc	292	ug/L		50.00	10	2/7/2025	11:40

**ICP/OES Metals (Total)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3139-4-02

Batch Number: AB-250206-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	2/6/2025	12:42
Calcium	79.7	mg/L		5.00	5	2/6/2025	14:40
Iron	0.491	mg/L		0.10	1	2/6/2025	12:42
Magnesium	1.55	mg/L		1.00	1	2/6/2025	12:42
Manganese	<0.0200	mg/L		0.02	1	2/6/2025	12:42
Potassium	1.02	mg/L		1.00	1	2/6/2025	12:42
Sodium	28.2	mg/L		1.00	1	2/6/2025	12:42
Phosphorus	<1.00	mg/L		1.00	1	2/6/2025	12:42

# Analytical Results



Collector: Geological, Arkansas

Site: CEH-W-18552-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 17:00

Sample Barcode: 

Sample Number: 2024-3140

## Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst: JR

Aliquot #: 2024-3140-1-01

Batch Number: AB-241218-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	172	mg/L		6.00	1	12/18/2024 13:53

## Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst: JR

Aliquot #: 2024-3140-1-02

Batch Number: AB-241217-026

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	12/17/2024 16:36

## Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: JR

Aliquot #: 2024-3140-1-04

Batch Number: AB-241218-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	2.10	mg/L		0.05	1	12/17/2024 16:36

## Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3140-1-05

Batch Number: AB-241218-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.031	mg/L		0.02	1	12/17/2024 16:36

## pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-3140-1-06

Batch Number: AB-250102-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.69	None			1	12/16/2024 17:00

# Analytical Results



Collector: Geological, Arkansas

Site: CEH-W-18552-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 17:00

Sample Barcode: 

Sample Number: 2024-3140

**Specific Conductance**

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-3140-1-07

Batch Number: AB-250102-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	377	uS/cm		1.00	1	12/18/2024 10:24

**Total Dissolved Solids**

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-3140-1-08

Batch Number: AB-241220-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	223	mg/L		10.00	1	12/18/2024 16:00

**Water Temperature**

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-3140-1-09

Batch Number: AB-250102-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	15.4	°C			1	12/16/2024 17:00

**Total Suspended Solids**

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-3140-1-10

Batch Number: AB-241219-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	12/17/2024 15:45

**Turbidity**

Method: EPA 180.1

Analyst:

Aliquot #: 2024-3140-1-11

Batch Number: AB-241230-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.74	NTU		0.05	1	12/18/2024 10:24

# Analytical Results



Collector: Geological, Arkansas

Site: CEH-W-18552-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 17:00

Sample Barcode: 

Sample Number: 2024-3140

## Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-3140-1-12

Batch Number: AB-241218-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	12/19/2024 8:55
Total Nitrogen from Lachat	2.16	mg/L		0.10	1	12/19/2024 8:55

## Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3140-1-13

Batch Number: AB-241218-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.03	mg/L		0.02	1	12/19/2024 8:55

## Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-3140-2-01

Batch Number: AB-241218-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	12/18/2024 20:57

# Analytical Results



Collector: Geological, Arkansas

Site: CEH-W-18552-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 17:00

Sample Barcode: 

Sample Number: 2024-3140

**ICP/MS Metals (Dissolved)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3140-3-01

Batch Number: AB-250128-001

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	1/28/2025	12:17
Arsenic	<1.00	ug/L		1.00	1	1/28/2025	12:17
Barium	39.5	ug/L		1.00	1	1/28/2025	12:17
Beryllium	<1.00	ug/L		1.00	1	1/28/2025	12:17
Cadmium	<0.300	ug/L		0.30	1	1/28/2025	12:17
Chromium	<1.00	ug/L		1.00	1	1/28/2025	12:17
Cobalt	<0.100	ug/L		0.10	1	1/28/2025	12:17
Copper	<0.500	ug/L		0.50	1	1/28/2025	12:17
Lead	<0.500	ug/L		0.50	1	1/28/2025	12:17
Nickel	<0.500	ug/L		0.50	1	1/28/2025	12:17
Selenium	<5.00	ug/L		5.00	1	1/28/2025	12:17
Silver	<0.100	ug/L		0.10	1	1/28/2025	12:17
Thallium	<0.500	ug/L		0.50	1	1/28/2025	12:17
Vanadium	0.234	ug/L		0.20	1	1/28/2025	12:17
Zinc	55.2	ug/L		25.00	5	1/28/2025	12:17

**ICP/OES Metals (Dissolved)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3140-3-02

Batch Number: AB-250129-012

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	1/29/2025	13:16
Calcium	59.9	mg/L		5.00	5	1/29/2025	15:18
Iron	<0.100	mg/L		0.10	1	1/29/2025	13:16
Magnesium	<1.00	mg/L		1.00	1	1/29/2025	13:16
Manganese	<0.0200	mg/L		0.02	1	1/29/2025	13:16
Potassium	<1.00	mg/L		1.00	1	1/29/2025	13:16
Sodium	16.8	mg/L		1.00	1	1/29/2025	13:16
Hardness	153	mg/L		1.00	1	1/29/2025	15:18
Phosphorus	<1.00	mg/L		1.00	1	1/29/2025	13:16

# Analytical Results



Collector: Geological, Arkansas

Site: CEH-W-18552-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/16/2024 17:00

Sample Barcode: 

Sample Number: 2024-3140

**ICP/MS Metals (Total)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3140-4-01

Batch Number: AB-250206-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	2/7/2025	12:04
Arsenic	<1.00	ug/L		1.00	1	2/7/2025	12:04
Barium	40.2	ug/L		1.00	1	2/7/2025	12:04
Beryllium	<1.00	ug/L		1.00	1	2/7/2025	12:04
Cadmium	<0.300	ug/L		0.30	1	2/7/2025	12:04
Chromium	<1.00	ug/L		1.00	1	2/7/2025	12:04
Cobalt	<0.100	ug/L		0.10	1	2/7/2025	12:04
Copper	0.751	ug/L		0.50	1	2/7/2025	12:04
Lead	<0.500	ug/L		0.50	1	2/7/2025	12:04
Nickel	<0.500	ug/L		0.50	1	2/7/2025	12:04
Selenium	<5.00	ug/L		5.00	1	2/7/2025	12:04
Silver	<0.100	ug/L		0.10	1	2/7/2025	12:04
Thallium	<0.500	ug/L		0.50	1	2/7/2025	12:04
Vanadium	0.208	ug/L		0.20	1	2/7/2025	12:04
Zinc	56.2	ug/L		25.00	5	2/7/2025	12:04

**ICP/OES Metals (Total)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3140-4-02

Batch Number: AB-250206-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	2/6/2025	12:52
Calcium	62.6	mg/L		5.00	5	2/6/2025	14:44
Iron	<0.100	mg/L		0.10	1	2/6/2025	12:52
Magnesium	<1.00	mg/L		1.00	1	2/6/2025	12:52
Manganese	<0.0200	mg/L		0.02	1	2/6/2025	12:52
Potassium	<1.00	mg/L		1.00	1	2/6/2025	12:52
Sodium	17.8	mg/L		1.00	1	2/6/2025	12:52
Phosphorus	<1.00	mg/L		1.00	1	2/6/2025	12:52



# Analytical Results



Collector: Geological, Arkansas

Site: ESP-W-2047-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 9:08

Sample Barcode: 

Sample Number: 2024-3141

**Alkalinity as CaCO3**

Method: EPA 310.2 (Rev. 1974)

Analyst: JR

Aliquot #: 2024-3141-1-01

Batch Number: AB-241218-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	185	mg/L		6.00	1	12/18/2024 13:54

**Ammonia as N**

Method: SM 4500-NH3 H, 2021

Analyst: JR

Aliquot #: 2024-3141-1-02

Batch Number: AB-241217-026

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	12/17/2024 16:37

**Nitrate +Nitrite as N**

Method: SM 4500-NO3 F, 2019

Analyst: JR

Aliquot #: 2024-3141-1-04

Batch Number: AB-241218-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	0.06	mg/L		0.05	1	12/17/2024 16:37

**Orthophosphate as P**

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3141-1-05

Batch Number: AB-241218-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	12/17/2024 16:37

**pH**

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-3141-1-06

Batch Number: AB-250102-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.54	None			1	12/17/2024 9:08

# Analytical Results



Collector: Geological, Arkansas

Site: ESP-W-2047-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 9:08

Sample Barcode: 

Sample Number: 2024-3141

## Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-3141-1-07

Batch Number: AB-250102-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	363	uS/cm		1.00	1	12/18/2024 10:42

## Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-3141-1-08

Batch Number: AB-241220-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	198	mg/L		10.00	1	12/18/2024 16:00

## Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-3141-1-09

Batch Number: AB-250102-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	16.2	°C			1	12/17/2024 9:08

## Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-3141-1-10

Batch Number: AB-241219-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	12/17/2024 15:45

## Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-3141-1-11

Batch Number: AB-241230-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.90	NTU		0.05	1	12/18/2024 10:42

# Analytical Results



Collector: Geological, Arkansas

Site: ESP-W-2047-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 9:08

Sample Barcode: 

Sample Number: 2024-3141

## Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-3141-1-12

Batch Number: AB-241218-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	12/19/2024 8:57
Total Nitrogen from Lachat	<0.10	mg/L		0.10	1	12/19/2024 8:57

## Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3141-1-13

Batch Number: AB-241218-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	12/19/2024 8:57

## Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-3141-2-01

Batch Number: AB-241218-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	12/18/2024 21:41

# Analytical Results



Collector: Geological, Arkansas

Site: ESP-W-2047-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 9:08

Sample Barcode: 

Sample Number: 2024-3141

**ICP/MS Metals (Dissolved)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3141-3-01

Batch Number: AB-250128-001

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	1/28/2025	12:21
Arsenic	<1.00	ug/L		1.00	1	1/28/2025	12:21
Barium	23.1	ug/L		1.00	1	1/28/2025	12:21
Beryllium	<1.00	ug/L		1.00	1	1/28/2025	12:21
Cadmium	<0.300	ug/L		0.30	1	1/28/2025	12:21
Chromium	<1.00	ug/L		1.00	1	1/28/2025	12:21
Cobalt	<0.100	ug/L		0.10	1	1/28/2025	12:21
Copper	4.18	ug/L		0.50	1	1/28/2025	12:21
Lead	0.545	ug/L		0.50	1	1/28/2025	12:21
Nickel	1.17	ug/L		0.50	1	1/28/2025	12:21
Selenium	<5.00	ug/L		5.00	1	1/28/2025	12:21
Silver	<0.100	ug/L		0.10	1	1/28/2025	12:21
Thallium	<0.500	ug/L		0.50	1	1/28/2025	12:21
Vanadium	<0.200	ug/L		0.20	1	1/28/2025	12:21
Zinc	43.3	ug/L		5.00	1	1/28/2025	12:21

**ICP/OES Metals (Dissolved)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3141-3-02

Batch Number: AB-250129-012

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	1/29/2025	13:18
Calcium	66.4	mg/L		5.00	5	1/29/2025	15:20
Iron	<0.100	mg/L		0.10	1	1/29/2025	13:18
Magnesium	2.63	mg/L		1.00	1	1/29/2025	13:18
Manganese	<0.0200	mg/L		0.02	1	1/29/2025	13:18
Potassium	<1.00	mg/L		1.00	1	1/29/2025	13:18
Sodium	4.08	mg/L		1.00	1	1/29/2025	13:18
Hardness	177	mg/L		1.00	1	1/29/2025	15:20
Phosphorus	<1.00	mg/L		1.00	1	1/29/2025	13:18

# Analytical Results



Collector: Geological, Arkansas

Site: ESP-W-2047-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 9:08

Sample Barcode: 

Sample Number: 2024-3141

**ICP/MS Metals (Total)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3141-4-01

Batch Number: AB-250206-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	2/7/2025	12:08
Arsenic	<1.00	ug/L		1.00	1	2/7/2025	12:08
Barium	23.2	ug/L		1.00	1	2/7/2025	12:08
Beryllium	<1.00	ug/L		1.00	1	2/7/2025	12:08
Cadmium	<0.300	ug/L		0.30	1	2/7/2025	12:08
Chromium	<1.00	ug/L		1.00	1	2/7/2025	12:08
Cobalt	<0.100	ug/L		0.10	1	2/7/2025	12:08
Copper	11.8	ug/L		0.50	1	2/7/2025	12:08
Lead	0.837	ug/L		0.50	1	2/7/2025	12:08
Nickel	1.26	ug/L		0.50	1	2/7/2025	12:08
Selenium	<5.00	ug/L		5.00	1	2/7/2025	12:08
Silver	<0.100	ug/L		0.10	1	2/7/2025	12:08
Thallium	<0.500	ug/L		0.50	1	2/7/2025	12:08
Vanadium	<0.200	ug/L		0.20	1	2/7/2025	12:08
Zinc	69.5	ug/L		25.00	5	2/7/2025	12:08

**ICP/OES Metals (Total)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3141-4-02

Batch Number: AB-250206-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	2/6/2025	12:53
Calcium	68.0	mg/L		5.00	5	2/6/2025	14:45
Iron	<0.100	mg/L		0.10	1	2/6/2025	12:53
Magnesium	2.73	mg/L		1.00	1	2/6/2025	12:53
Manganese	<0.0200	mg/L		0.02	1	2/6/2025	12:53
Potassium	<1.00	mg/L		1.00	1	2/6/2025	12:53
Sodium	4.23	mg/L		1.00	1	2/6/2025	12:53
Phosphorus	<1.00	mg/L		1.00	1	2/6/2025	12:53

# Analytical Results



Collector: Geological, Arkansas

Site: Adm-Spr-3722-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 10:30

Sample Barcode:

Sample Number: 2024-3142

**Alkalinity as CaCO3**

Method: EPA 310.2 (Rev. 1974)

Analyst: JR

Aliquot #: 2024-3142-1-01

Batch Number: AB-241218-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	80.6	mg/L		6.00	1	12/18/2024 13:55

**Ammonia as N**

Method: SM 4500-NH3 H, 2021

Analyst: JR

Aliquot #: 2024-3142-1-02

Batch Number: AB-241217-026

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	12/17/2024 16:38

**Nitrate +Nitrite as N**

Method: SM 4500-NO3 F, 2019

Analyst: JR

Aliquot #: 2024-3142-1-04

Batch Number: AB-241218-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	3.95	mg/L		0.05	1	12/17/2024 16:38

**Orthophosphate as P**

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3142-1-05

Batch Number: AB-241218-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.028	mg/L		0.02	1	12/17/2024 16:38

**pH**

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-3142-1-06

Batch Number: AB-250102-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.06	None			1	12/17/2024 10:30

# Analytical Results



Collector: Geological, Arkansas

Site: Adm-Spr-3722-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 10:30

Sample Barcode: 

Sample Number: 2024-3142

## Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-3142-1-07

Batch Number: AB-250102-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	257	uS/cm		1.00	1	12/18/2024 10:44

## Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-3142-1-08

Batch Number: AB-241220-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	156	mg/L		10.00	1	12/18/2024 16:00

## Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-3142-1-09

Batch Number: AB-250102-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	13.3	°C			1	12/17/2024 10:30

## Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-3142-1-10

Batch Number: AB-241219-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	12/17/2024 15:45

## Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-3142-1-11

Batch Number: AB-241230-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	3.11	NTU		0.05	1	12/18/2024 10:44

# Analytical Results



Collector: Geological, Arkansas

Site: Adm-Spr-3722-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 10:30

Sample Barcode: 

Sample Number: 2024-3142

## Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-3142-1-12

Batch Number: AB-241218-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	12/19/2024 8:58
Total Nitrogen from Lachat	3.72	mg/L		0.10	1	12/19/2024 8:58

## Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3142-1-13

Batch Number: AB-241218-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.02	mg/L		0.02	1	12/19/2024 8:58

## Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-3142-2-01

Batch Number: AB-241218-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	1.05	mg/L		1.00	1	12/18/2024 21:55



# Analytical Results



Collector: Geological, Arkansas

Site: Adm-Spr-3722-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 10:30

Sample Barcode: 

Sample Number: 2024-3142

**ICP/MS Metals (Dissolved)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3142-3-01

Batch Number: AB-250128-001

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	1/28/2025	12:25
Arsenic	<1.00	ug/L		1.00	1	1/28/2025	12:25
Barium	63.2	ug/L		1.00	1	1/28/2025	12:25
Beryllium	<1.00	ug/L		1.00	1	1/28/2025	12:25
Cadmium	<0.300	ug/L		0.30	1	1/28/2025	12:25
Chromium	<1.00	ug/L		1.00	1	1/28/2025	12:25
Cobalt	<0.100	ug/L		0.10	1	1/28/2025	12:25
Copper	0.568	ug/L	R	0.50	1	1/28/2025	12:25
Lead	<0.500	ug/L		0.50	1	1/28/2025	12:25
Nickel	<0.500	ug/L		0.50	1	1/28/2025	12:25
Selenium	<5.00	ug/L		5.00	1	1/28/2025	12:25
Silver	<0.100	ug/L		0.10	1	1/28/2025	12:25
Thallium	<0.500	ug/L		0.50	1	1/28/2025	12:25
Vanadium	<0.200	ug/L	R	0.20	1	1/28/2025	12:25
Zinc	<5.00	ug/L		5.00	1	1/28/2025	12:25

**ICP/OES Metals (Dissolved)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3142-3-02

Batch Number: AB-250129-012

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	1/29/2025	13:19
Calcium	36.3	mg/L		1.00	1	1/29/2025	13:19
Iron	<0.100	mg/L		0.10	1	1/29/2025	13:19
Magnesium	2.02	mg/L		1.00	1	1/29/2025	13:19
Manganese	<0.0200	mg/L		0.02	1	1/29/2025	13:19
Potassium	2.40	mg/L		1.00	1	1/29/2025	13:19
Sodium	6.97	mg/L		1.00	1	1/29/2025	13:19
Hardness	99.1	mg/L		1.00	1	1/29/2025	13:19
Phosphorus	<1.00	mg/L		1.00	1	1/29/2025	13:19

# Analytical Results



Collector: Geological, Arkansas

Site: Adm-Spr-3722-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 10:30

Sample Barcode: 

Sample Number: 2024-3142

**ICP/MS Metals (Total)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3142-4-01

Batch Number: AB-250206-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	2/7/2025 12:12	
Arsenic	<1.00	ug/L		1.00	1	2/7/2025 12:12	
Barium	64.7	ug/L		1.00	1	2/7/2025 12:12	
Beryllium	<1.00	ug/L		1.00	1	2/7/2025 12:12	
Cadmium	<0.300	ug/L		0.30	1	2/7/2025 12:12	
Chromium	<1.00	ug/L		1.00	1	2/7/2025 12:12	
Cobalt	<0.100	ug/L		0.10	1	2/7/2025 12:12	
Copper	<0.500	ug/L		0.50	1	2/7/2025 12:12	
Lead	<0.500	ug/L		0.50	1	2/7/2025 12:12	
Nickel	0.536	ug/L		0.50	1	2/7/2025 12:12	
Selenium	<5.00	ug/L		5.00	1	2/7/2025 12:12	
Silver	<0.100	ug/L		0.10	1	2/7/2025 12:12	
Thallium	<0.500	ug/L		0.50	1	2/7/2025 12:12	
Vanadium	0.286	ug/L		0.20	1	2/7/2025 12:12	
Zinc	<5.00	ug/L		5.00	1	2/7/2025 12:12	

**ICP/OES Metals (Total)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3142-4-02

Batch Number: AB-250206-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	2/6/2025 12:55	
Calcium	37.9	mg/L		1.00	1	2/6/2025 12:55	
Iron	<0.100	mg/L		0.10	1	2/6/2025 12:55	
Magnesium	2.13	mg/L		1.00	1	2/6/2025 12:55	
Manganese	<0.0200	mg/L		0.02	1	2/6/2025 12:55	
Potassium	2.32	mg/L		1.00	1	2/6/2025 12:55	
Sodium	7.36	mg/L		1.00	1	2/6/2025 12:55	
Phosphorus	<1.00	mg/L		1.00	1	2/6/2025 12:55	

# Analytical Results



Collector: Geological, Arkansas      Site: CC-02-01      Work Order Number: WO-241217-02  
 Sample Classification: Routine Monitoring      Project: EVT  
 Matrix: Water      Collected: 12/17/2024 11:10  
 Sample Barcode:       Sample Number: 2024-3143

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

Aliquot #: 2024-3143-1-01      Batch Number: AB-241218-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	112	mg/L		6.00	1	12/18/2024 13:58

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

Aliquot #: 2024-3143-1-02      Batch Number: AB-241217-026

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	12/17/2024 16:41

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

Aliquot #: 2024-3143-1-04      Batch Number: AB-241218-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.18	mg/L		0.05	1	12/17/2024 16:41

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

Aliquot #: 2024-3143-1-05      Batch Number: AB-241218-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	12/17/2024 16:41

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

Aliquot #: 2024-3143-1-06      Batch Number: AB-250102-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	8.14	None			1	12/17/2024 11:10

# Analytical Results



Collector: Geological, Arkansas

Site: CC-02-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:10

Sample Barcode: 

Sample Number: 2024-3143

**Specific Conductance**

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-3143-1-07

Batch Number: AB-250102-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	252	uS/cm		1.00	1	12/18/2024 10:47

**Total Dissolved Solids**

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-3143-1-08

Batch Number: AB-241220-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	161	mg/L		10.00	1	12/18/2024 16:00

**Water Temperature**

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-3143-1-09

Batch Number: AB-250102-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	11.6	°C			1	12/17/2024 11:10

**Total Suspended Solids**

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-3143-1-10

Batch Number: AB-241219-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	12/17/2024 15:45

**Turbidity**

Method: EPA 180.1

Analyst:

Aliquot #: 2024-3143-1-11

Batch Number: AB-241230-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	5.56	NTU		0.05	1	12/18/2024 10:47

# Analytical Results



Collector: Geological, Arkansas

Site: CC-02-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:10

Sample Barcode: 

Sample Number: 2024-3143

## Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-3143-1-12

Batch Number: AB-241218-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.17	mg/L		0.10	1	12/19/2024 9:00
Total Nitrogen from Lachat	1.35	mg/L		0.10	1	12/19/2024 9:00

## Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3143-1-13

Batch Number: AB-241218-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	12/19/2024 9:00

## Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-3143-2-01

Batch Number: AB-241218-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	2.48	mg/L		1.00	1	12/18/2024 22:24

# Analytical Results



Collector: Geological, Arkansas

Site: CC-02-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:10

Sample Barcode: 

Sample Number: 2024-3143

**ICP/MS Metals (Dissolved)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3143-3-01

Batch Number: AB-250128-001

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	1/28/2025	12:33
Arsenic	<1.00	ug/L		1.00	1	1/28/2025	12:33
Barium	42.8	ug/L		1.00	1	1/28/2025	12:33
Beryllium	<1.00	ug/L		1.00	1	1/28/2025	12:33
Cadmium	<0.300	ug/L		0.30	1	1/28/2025	12:33
Chromium	<1.00	ug/L		1.00	1	1/28/2025	12:33
Cobalt	<0.100	ug/L		0.10	1	1/28/2025	12:33
Copper	0.517	ug/L		0.50	1	1/28/2025	12:33
Lead	<0.500	ug/L		0.50	1	1/28/2025	12:33
Nickel	<0.500	ug/L		0.50	1	1/28/2025	12:33
Selenium	<5.00	ug/L		5.00	1	1/28/2025	12:33
Silver	<0.100	ug/L		0.10	1	1/28/2025	12:33
Thallium	<0.500	ug/L		0.50	1	1/28/2025	12:33
Vanadium	0.335	ug/L		0.20	1	1/28/2025	12:33
Zinc	<5.00	ug/L		5.00	1	1/28/2025	12:33

**ICP/OES Metals (Dissolved)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3143-3-02

Batch Number: AB-250129-012

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	1/29/2025	13:23
Calcium	44.0	mg/L		1.00	1	1/29/2025	13:23
Iron	<0.100	mg/L		0.10	1	1/29/2025	13:23
Magnesium	2.36	mg/L		1.00	1	1/29/2025	13:23
Manganese	<0.0200	mg/L		0.02	1	1/29/2025	13:23
Potassium	2.11	mg/L		1.00	1	1/29/2025	13:23
Sodium	6.05	mg/L		1.00	1	1/29/2025	13:23
Hardness	120	mg/L		1.00	1	1/29/2025	13:23
Phosphorus	<1.00	mg/L		1.00	1	1/29/2025	13:23

# Analytical Results



Collector: Geological, Arkansas

Site: CC-02-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:10

Sample Barcode: 

Sample Number: 2024-3143

**ICP/MS Metals (Total)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3143-4-01

Batch Number: AB-250206-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	2/7/2025	12:20
Arsenic	<1.00	ug/L		1.00	1	2/7/2025	12:20
Barium	44.5	ug/L		1.00	1	2/7/2025	12:20
Beryllium	<1.00	ug/L		1.00	1	2/7/2025	12:20
Cadmium	<0.300	ug/L		0.30	1	2/7/2025	12:20
Chromium	<1.00	ug/L		1.00	1	2/7/2025	12:20
Cobalt	<0.100	ug/L		0.10	1	2/7/2025	12:20
Copper	0.624	ug/L		0.50	1	2/7/2025	12:20
Lead	<0.500	ug/L		0.50	1	2/7/2025	12:20
Nickel	<0.500	ug/L		0.50	1	2/7/2025	12:20
Selenium	<5.00	ug/L		5.00	1	2/7/2025	12:20
Silver	<0.100	ug/L		0.10	1	2/7/2025	12:20
Thallium	<0.500	ug/L		0.50	1	2/7/2025	12:20
Vanadium	0.474	ug/L		0.20	1	2/7/2025	12:20
Zinc	<5.00	ug/L		5.00	1	2/7/2025	12:20

**ICP/OES Metals (Total)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3143-4-02

Batch Number: AB-250206-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	0.118	mg/L		0.10	1	2/6/2025	12:58
Calcium	46.9	mg/L		1.00	1	2/6/2025	12:58
Iron	<0.100	mg/L		0.10	1	2/6/2025	12:58
Magnesium	2.56	mg/L		1.00	1	2/6/2025	12:58
Manganese	<0.0200	mg/L		0.02	1	2/6/2025	12:58
Potassium	1.96	mg/L		1.00	1	2/6/2025	12:58
Sodium	6.48	mg/L		1.00	1	2/6/2025	12:58
Phosphorus	<1.00	mg/L		1.00	1	2/6/2025	12:58

# Analytical Results



Collector: Geological, Arkansas

Site: CC-03-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:20

Sample Barcode: 

Sample Number: 2024-3144

## Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst: JR

Aliquot #: 2024-3144-1-01

Batch Number: AB-241218-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	111	mg/L		6.00	1	12/18/2024 13:59

## Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst: JR

Aliquot #: 2024-3144-1-02

Batch Number: AB-241217-026

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	12/17/2024 16:42

## Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: JR

Aliquot #: 2024-3144-1-04

Batch Number: AB-241218-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	1.20	mg/L		0.05	1	12/17/2024 16:42

## Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3144-1-05

Batch Number: AB-241218-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	12/17/2024 16:42

## pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-3144-1-06

Batch Number: AB-250102-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.96	None			1	12/17/2024 11:20



# Analytical Results



Collector: Geological, Arkansas

Site: CC-03-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:20

Sample Barcode: 

Sample Number: 2024-3144

**Specific Conductance**

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-3144-1-07

Batch Number: AB-250102-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	270	uS/cm		1.00	1	12/18/2024 10:48

**Total Dissolved Solids**

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-3144-1-08

Batch Number: AB-241220-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	158	mg/L		10.00	1	12/18/2024 16:00

**Water Temperature**

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-3144-1-09

Batch Number: AB-250102-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	11.3	°C			1	12/17/2024 11:20

**Total Suspended Solids**

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-3144-1-10

Batch Number: AB-241219-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	12/17/2024 15:45

**Turbidity**

Method: EPA 180.1

Analyst:

Aliquot #: 2024-3144-1-11

Batch Number: AB-241230-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	5.43	NTU		0.05	1	12/18/2024 10:48

# Analytical Results



Collector: Geological, Arkansas

Site: CC-03-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:20

Sample Barcode: 

Sample Number: 2024-3144

**Total Kjeldahl Nitrogen as N**

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

Analyst: JR

Aliquot #: 2024-3144-1-12

Batch Number: AB-241218-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.14	mg/L		0.10	1	12/19/2024 9:01
Total Nitrogen from Lachat	1.34	mg/L		0.10	1	12/19/2024 9:01

**Total Phosphorus as P**

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-3144-1-13

Batch Number: AB-241218-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	12/19/2024 9:01

**Dissolved Organic Carbon**

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-3144-2-01

Batch Number: AB-241218-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	2.43	mg/L		1.00	1	12/18/2024 22:38

# Analytical Results



Collector: Geological, Arkansas

Site: CC-03-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:20

Sample Barcode: 

Sample Number: 2024-3144

**ICP/MS Metals (Dissolved)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3144-3-01

Batch Number: AB-250128-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	1/28/2025	12:57
Arsenic	<1.00	ug/L		1.00	1	1/28/2025	12:57
Barium	42.6	ug/L		1.00	1	1/28/2025	12:57
Beryllium	<1.00	ug/L		1.00	1	1/28/2025	12:57
Cadmium	<0.300	ug/L		0.30	1	1/28/2025	12:57
Chromium	<1.00	ug/L		1.00	1	1/28/2025	12:57
Cobalt	<0.100	ug/L		0.10	1	1/28/2025	12:57
Copper	<0.500	ug/L		0.50	1	1/28/2025	12:57
Lead	<0.500	ug/L		0.50	1	1/28/2025	12:57
Nickel	<0.500	ug/L		0.50	1	1/28/2025	12:57
Selenium	<5.00	ug/L		5.00	1	1/28/2025	12:57
Silver	<0.100	ug/L		0.10	1	1/28/2025	12:57
Thallium	<0.500	ug/L		0.50	1	1/28/2025	12:57
Vanadium	0.435	ug/L		0.20	1	1/28/2025	12:57
Zinc	<5.00	ug/L		5.00	1	1/28/2025	12:57

**ICP/OES Metals (Dissolved)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3144-3-02

Batch Number: AB-250129-013

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	1/29/2025	13:32
Calcium	44.6	mg/L		1.00	1	1/29/2025	13:32
Iron	<0.100	mg/L		0.10	1	1/29/2025	13:32
Magnesium	2.39	mg/L		1.00	1	1/29/2025	13:32
Manganese	<0.0200	mg/L		0.02	1	1/29/2025	13:32
Potassium	2.09	mg/L		1.00	1	1/29/2025	13:32
Sodium	6.09	mg/L		1.00	1	1/29/2025	13:32
Hardness	121	mg/L		1.00	1	1/29/2025	13:32
Phosphorus	<1.00	mg/L		1.00	1	1/29/2025	13:32

# Analytical Results



Collector: Geological, Arkansas

Site: CC-03-01

Work Order Number: WO-241217-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 12/17/2024 11:20

Sample Barcode: 

Sample Number: 2024-3144

**ICP/MS Metals (Total)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3144-4-01

Batch Number: AB-250206-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	2/7/2025	12:24
Arsenic	<1.00	ug/L		1.00	1	2/7/2025	12:24
Barium	44.0	ug/L		1.00	1	2/7/2025	12:24
Beryllium	<1.00	ug/L		1.00	1	2/7/2025	12:24
Cadmium	<0.300	ug/L		0.30	1	2/7/2025	12:24
Chromium	<1.00	ug/L		1.00	1	2/7/2025	12:24
Cobalt	<0.100	ug/L		0.10	1	2/7/2025	12:24
Copper	0.588	ug/L		0.50	1	2/7/2025	12:24
Lead	<0.500	ug/L		0.50	1	2/7/2025	12:24
Nickel	<0.500	ug/L		0.50	1	2/7/2025	12:24
Selenium	<5.00	ug/L		5.00	1	2/7/2025	12:24
Silver	<0.100	ug/L		0.10	1	2/7/2025	12:24
Thallium	<0.500	ug/L		0.50	1	2/7/2025	12:24
Vanadium	0.469	ug/L		0.20	1	2/7/2025	12:24
Zinc	<5.00	ug/L		5.00	1	2/7/2025	12:24

**ICP/OES Metals (Total)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3144-4-02

Batch Number: AB-250206-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	0.122	mg/L		0.10	1	2/6/2025	13:00
Calcium	46.5	mg/L		1.00	1	2/6/2025	13:00
Iron	0.101	mg/L		0.10	1	2/6/2025	13:00
Magnesium	2.52	mg/L		1.00	1	2/6/2025	13:00
Manganese	<0.0200	mg/L		0.02	1	2/6/2025	13:00
Potassium	1.95	mg/L		1.00	1	2/6/2025	13:00
Sodium	6.44	mg/L		1.00	1	2/6/2025	13:00
Phosphorus	<1.00	mg/L		1.00	1	2/6/2025	13:00

# Analytical Results



Collector: Geological, Arkansas

Site: Metals Field Blank

Work Order Number: WO-241217-02

Sample Classification: Special

Project: EVT

Matrix: Water

Collected: 12/17/2024 15:21

Sample Barcode: 

Sample Number: 2024-3145

**ICP/MS Metals (Dissolved)**

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-3145-1-01

Batch Number: AB-250128-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	1/28/2025	13:01
Arsenic	<1.00	ug/L		1.00	1	1/28/2025	13:01
Barium	<1.00	ug/L		1.00	1	1/28/2025	13:01
Beryllium	<1.00	ug/L		1.00	1	1/28/2025	13:01
Cadmium	<0.300	ug/L		0.30	1	1/28/2025	13:01
Chromium	<1.00	ug/L		1.00	1	1/28/2025	13:01
Cobalt	<0.100	ug/L		0.10	1	1/28/2025	13:01
Copper	<0.500	ug/L		0.50	1	1/28/2025	13:01
Lead	<0.500	ug/L		0.50	1	1/28/2025	13:01
Nickel	<0.500	ug/L		0.50	1	1/28/2025	13:01
Selenium	<5.00	ug/L		5.00	1	1/28/2025	13:01
Silver	<0.100	ug/L		0.10	1	1/28/2025	13:01
Thallium	<0.500	ug/L		0.50	1	1/28/2025	13:01
Vanadium	<0.200	ug/L		0.20	1	1/28/2025	13:01
Zinc	<5.00	ug/L		5.00	1	1/28/2025	13:01

**ICP/OES Metals (Dissolved)**

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-3145-1-02

Batch Number: AB-250129-013

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	1/29/2025	13:34
Calcium	<1.00	mg/L		1.00	1	1/29/2025	13:34
Iron	<0.100	mg/L		0.10	1	1/29/2025	13:34
Magnesium	<1.00	mg/L		1.00	1	1/29/2025	13:34
Manganese	<0.0200	mg/L		0.02	1	1/29/2025	13:34
Potassium	<1.00	mg/L		1.00	1	1/29/2025	13:34
Sodium	<1.00	mg/L		1.00	1	1/29/2025	13:34
Hardness	<1.00	mg/L		1.00	1	1/29/2025	13:34
Phosphorus	<1.00	mg/L		1.00	1	1/29/2025	13:34

QUALITY CONTROL REPORT

Project: **EVT Routine+Metals 2024 3138-3145**

Date and Time Received: 12/17/2024 15:34:00

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
<b>Ammonia as N</b>		<b>SM 4500-NH3 H, 2021</b>					<b>Batch #:</b>	<b>AB-241217-026</b>		<b>Parent Sample:</b>	<b>2024-3134</b>			
	mg/L	<0.03	0.03	94.2 /	80-120		-			111.0 / 104.5	80-120	6.0	-	
		<b>SM 5310 C, 2014</b>					<b>Batch #:</b>	<b>AB-241218-003</b>		<b>Parent Sample:</b>	<b>2024-3134</b>			
	mg/L	<1.00	1,000.00	101.8 /	85-115		-			99.2 / 98.8	80-120	0.2	-	
<b>Orthophosphate as P</b>		<b>SM 4500-P G, 2021</b>					<b>Batch #:</b>	<b>AB-241218-007</b>		<b>Parent Sample:</b>	<b>2024-3134</b>			
	mg/L	<0.02	0.02	95.5 /	80-120		-			90.6 / 94.6	80-120	4.0	-	B+
<b>Nitrate +Nitrite as N</b>		<b>SM 4500-NO3 F, 2019</b>					<b>Batch #:</b>	<b>AB-241218-011</b>		<b>Parent Sample:</b>	<b>2024-3134</b>			
	mg/L	<0.05	0.05	98.2 /	80-120		-			98.8 / 98.8	80-120	0.0	-	
<b>Alkalinity as CaCO3</b>		<b>EPA 310.2 (Rev. 1974)</b>					<b>Batch #:</b>	<b>AB-241218-015</b>		<b>Parent Sample:</b>				
	mg/L	<6.00	6.00	94.0 /	90-110		-		/	-	-	-	-	
		<b>SM 4500-P G, 2021</b>					<b>Batch #:</b>	<b>AB-241218-019</b>		<b>Parent Sample:</b>	<b>2024-3134</b>			
	mg/L	<0.02	0.02	93.5 /	85-115		-			97.2 / 98.2	80-120	1.0	-	B+
		<b>SM 4500-N(org) C, 2021</b>					<b>Batch #:</b>	<b>AB-241218-024</b>		<b>Parent Sample:</b>	<b>2024-3134</b>			
	mg/L	<0.10	0.10	100.0 /	85-115		-			102.2 / 97.2	80-120	4.0	-	
<b>Total Suspended Solids</b>		<b>SM 2540 D, 2020</b>					<b>Batch #:</b>	<b>AB-241219-001</b>		<b>Parent Sample:</b>				
	mg/L	<2.00	2.00	99.8 /	90-110		-		/	-	-	-	-	
<b>Total Dissolved Solids</b>		<b>SM 2540 C, 2020</b>					<b>Batch #:</b>	<b>AB-241220-004</b>		<b>Parent Sample:</b>				
	mg/L	<10.0	10.00	101.0 /	90-110		-		/	-	-	-	-	
<b>Turbidity</b>		<b>EPA 180.1</b>					<b>Batch #:</b>	<b>AB-241230-001</b>		<b>Parent Sample:</b>				
	NTU	<0.05	0.05	100.8 /	90-110		-		/	-	-	-	-	
<b>Specific Conductance</b>		<b>EPA 120.1, 1982</b>					<b>Batch #:</b>	<b>AB-250102-019</b>		<b>Parent Sample:</b>				
	uS/cm	<1.00	1.00	99.2 /	95-105		-		/	-	-	-	-	
<b>ICP/MS Metals (Dissolved)</b>		<b>EPA 200.8 (Rev. 5.4, 1994)</b>					<b>Batch #:</b>	<b>AB-250128-001</b>		<b>Parent Sample:</b>	<b>2024-3105</b>			
Ag	ug/L	<0.100	0.10	88.6 /	85-115		-			85.1 / 87.5	70-130	2.7	-	
As	ug/L	<1.00	1.00	98.6 /	85-115		-			100.1 / 100.3	70-130	0.2	-	
Ba	ug/L	<1.00	1.00	94.4 /	85-115		-			91.9 / 91.6	70-130	0.2	-	
Be	ug/L	<1.00	1.00	96.6 /	85-115		-			99.1 / 103.7	70-130	4.5	-	
Cd	ug/L	<0.300	0.30	96.7 /	85-115		-			97.7 / 98.6	70-130	0.9	-	
Co	ug/L	<0.100	0.10	90.9 /	85-115		-			88.1 / 89.6	70-130	1.7	-	
Cr	ug/L	<1.00	1.00	95.4 /	85-115		-			92.7 / 92.9	70-130	0.3	-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Cu	ug/L	<0.500	0.50	89.2 /	85-115	-	-	-	-	87.4 / 87.5	70-130	0.1	-	
Ni	ug/L	<0.500	0.50	90.2 /	85-115	-	-	-	-	88.0 / 88.4	70-130	0.4	-	
Pb	ug/L	<0.500	0.50	97.8 /	85-115	-	-	-	-	95.8 / 97.3	70-130	1.5	-	
Sb	ug/L	<2.00	2.00	101.3 /	85-115	-	-	-	-	101.6 / 102.6	70-130	0.9	-	
Se	ug/L	<5.00	5.00	100.9 /	85-115	-	-	-	-	105.5 / 106.6	70-130	1.0	-	
Tl	ug/L	<0.500	0.50	96.8 /	85-115	-	-	-	-	93.7 / 95.6	70-130	2.0	-	
V	ug/L	<0.200	0.20	93.6 /	85-115	-	-	-	-	92.2 / 92.4	70-130	0.2	-	
Zn	ug/L	<5.00	5.00	98.9 /	85-115	-	-	-	-	101.6 / 102.0	70-130	0.3	-	

**ICP/MS Metals (Dissolved) EPA 200.8 (Rev. 5.4, 1994) Batch #: AB-250128-002 Parent Sample: 2024-3151**

Ag	ug/L	<0.100	0.10	87.6 /	85-115	-	-	-	-	84.1 / 85.1	70-130	1.2	-	
As	ug/L	<1.00	1.00	96.1 /	85-115	-	-	-	-	95.3 / 95.8	70-130	0.5	-	
Ba	ug/L	<1.00	1.00	91.5 /	85-115	-	-	-	-	89.4 / 88.6	70-130	0.6	-	
Be	ug/L	<1.00	1.00	99.0 /	85-115	-	-	-	-	96.8 / 96.0	70-130	0.9	-	
Cd	ug/L	<0.300	0.30	96.5 /	85-115	-	-	-	-	95.0 / 95.5	70-130	0.5	-	
Co	ug/L	<0.100	0.10	90.9 /	85-115	-	-	-	-	85.0 / 86.6	70-130	1.9	-	
Cr	ug/L	<1.00	1.00	94.6 /	85-115	-	-	-	-	90.7 / 92.7	70-130	2.2	-	
Cu	ug/L	<0.500	0.50	87.9 /	85-115	-	-	-	-	82.1 / 83.0	70-130	1.0	-	
Ni	ug/L	<0.500	0.50	89.5 /	85-115	-	-	-	-	83.2 / 84.4	70-130	1.3	-	
Pb	ug/L	<0.500	0.50	97.3 /	85-115	-	-	-	-	94.3 / 96.0	70-130	1.7	-	
Sb	ug/L	<2.00	2.00	100.7 /	85-115	-	-	-	-	98.8 / 99.5	70-130	0.8	-	
Se	ug/L	<5.00	5.00	99.4 /	85-115	-	-	-	-	101.0 / 102.0	70-130	1.0	-	
Tl	ug/L	<0.500	0.50	96.4 /	85-115	-	-	-	-	93.8 / 94.4	70-130	0.6	-	
V	ug/L	<0.200	0.20	93.0 /	85-115	-	-	-	-	89.7 / 90.7	70-130	1.1	-	
Zn	ug/L	<5.00	5.00	98.4 /	85-115	-	-	-	-	96.3 / 97.4	70-130	1.0	-	

**ICP/OES Metals (Dissolved) EPA 200.7 Batch #: AB-250129-012 Parent Sample: 2024-3105**

Al	mg/L	<0.100	0.10	92.6 /	85-115	-	-	-	-	92.8 / 93.5	70-131	0.8	-	
Ca	mg/L	<1.00	1.00	95.7 /	85-115	-	-	-	-	94.7 / 96.0	70-131	0.8	-	
Fe	mg/L	<0.100	0.10	94.0 /	85-115	-	-	-	-	93.5 / 94.4	70-131	0.9	-	
K	mg/L	<1.00	1.00	92.0 /	85-115	-	-	-	-	90.4 / 91.5	70-131	1.1	-	
Mg	mg/L	<1.00	1.00	94.5 /	85-115	-	-	-	-	94.1 / 95.0	70-131	0.9	-	
Mn	mg/L	<0.0200	0.02	95.0 /	85-115	-	-	-	-	94.3 / 95.2	70-131	0.9	-	
Na	mg/L	<1.00	1.00	96.3 /	85-115	-	-	-	-	96.2 / 96.9	70-131	0.7	-	
P	mg/L	<1.00	1.00	91.7 /	85-115	-	-	-	-	92.4 / 93.4	70-131	1.1	-	

**ICP/OES Metals (Dissolved) EPA 200.7 Batch #: AB-250129-013 Parent Sample: 2024-3151**

Al	mg/L	<0.100	0.10	93.2 /	85-115	-	-	-	-	91.3 / 92.4	70-131	1.1	-	
Ca	mg/L	<1.00	1.00	96.6 /	85-115	-	-	-	-	87.3 / 88.9	70-131	0.5	-	
Fe	mg/L	<0.100	0.10	94.8 /	85-115	-	-	-	-	91.1 / 92.2	70-131	1.2	-	
K	mg/L	<1.00	1.00	93.3 /	85-115	-	-	-	-	90.6 / 90.9	70-131	0.3	-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Mg	mg/L	<1.00	1.00	95.2 /	85-115	-	-	-	-	91.6 / 93.0	70-131	0.6	-	
Mn	mg/L	<0.0200	0.02	95.6 /	85-115	-	-	-	-	92.0 / 92.9	70-131	1.0	-	
Na	mg/L	<1.00	1.00	96.5 /	85-115	-	-	-	-	94.5 / 95.2	70-131	0.6	-	
P	mg/L	<1.00	1.00	93.1 /	85-115	-	-	-	-	91.2 / 92.4	70-131	1.3	-	
<b>EPA 200.7</b>						<b>Batch #:</b>		<b>AB-250206-001</b>		<b>Parent Sample:</b>		<b>2024-3105</b>		
Al	mg/L	<0.100	0.10	99.6 /	85-115	-	-	-	-	100.4 / 101.1	70-130	0.7	-	
Ca	mg/L	<1.00	1.00	101.2 /	85-115	-	-	-	-	100.3 / 102.0	70-130	1.0	-	
Fe	mg/L	<0.100	0.10	100.2 /	85-115	-	-	-	-	100.0 / 101.0	70-130	0.9	-	
K	mg/L	<1.00	1.00	97.6 /	85-115	-	-	-	-	97.9 / 99.6	70-130	1.6	-	
Mg	mg/L	<1.00	1.00	101.3 /	85-115	-	-	-	-	100.6 / 102.0	70-130	1.2	-	
Mn	mg/L	<0.0200	0.02	101.0 /	85-115	-	-	-	-	99.8 / 101.2	70-130	1.2	-	
Na	mg/L	<1.00	1.00	102.7 /	85-115	-	-	-	-	102.2 / 103.6	70-130	1.3	-	
P	mg/L	<1.00	1.00	100.9 /	85-115	-	-	-	-	101.3 / 102.9	70-130	1.5	-	
<b>EPA 200.7</b>						<b>Batch #:</b>		<b>AB-250206-002</b>		<b>Parent Sample:</b>		<b>2024-3139</b>		
Al	mg/L	<0.100	0.10	98.5 /	85-115	-	-	-	-	97.7 / 99.9	70-130	2.2	-	
Ca	mg/L	<1.00	1.00	100.7 /	85-115	-	-	-	-	72.6 / 89.3	70-130	1.9	-	
Fe	mg/L	<0.100	0.10	99.5 /	85-115	-	-	-	-	93.8 / 97.0	70-130	2.2	-	
K	mg/L	<1.00	1.00	96.4 /	85-115	-	-	-	-	97.4 / 100.2	70-130	2.6	-	
Mg	mg/L	<1.00	1.00	100.7 /	85-115	-	-	-	-	96.2 / 98.6	70-130	2.2	-	
Mn	mg/L	<0.0200	0.02	100.1 /	85-115	-	-	-	-	95.2 / 97.2	70-130	2.0	-	
Na	mg/L	<1.00	1.00	101.7 /	85-115	-	-	-	-	95.2 / 104.2	70-130	2.3	-	
P	mg/L	<1.00	1.00	100.3 /	85-115	-	-	-	-	100.2 / 102.5	70-130	2.2	-	
<b>EPA 200.8 (Rev. 5.4, 1994)</b>						<b>Batch #:</b>		<b>AB-250206-004</b>		<b>Parent Sample:</b>		<b>2024-3105</b>		
Ag	ug/L	<0.100	0.10	89.7 /	85-115	-	-	-	-	90.9 / 90.0	70-130	1.0	-	
As	ug/L	<1.00	1.00	97.8 /	85-115	-	-	-	-	103.3 / 103.7	70-130	0.3	-	
Ba	ug/L	<1.00	1.00	95.2 /	85-115	-	-	-	-	93.6 / 94.6	70-130	0.9	-	
Be	ug/L	<1.00	1.00	102.7 /	85-115	-	-	-	-	105.1 / 104.8	70-130	0.2	-	
Cd	ug/L	<0.300	0.30	98.3 /	85-115	-	-	-	-	103.2 / 102.9	70-130	0.2	-	
Co	ug/L	<0.100	0.10	91.9 /	85-115	-	-	-	-	92.3 / 92.9	70-130	0.7	-	
Cr	ug/L	<1.00	1.00	94.3 /	85-115	-	-	-	-	95.0 / 95.9	70-130	0.9	-	
Cu	ug/L	<0.500	0.50	89.3 /	85-115	-	-	-	-	90.7 / 91.5	70-130	0.9	-	
Ni	ug/L	<0.500	0.50	91.6 /	85-115	-	-	-	-	91.3 / 92.8	70-130	1.6	-	
Pb	ug/L	<0.500	0.50	96.9 /	85-115	-	-	-	-	97.8 / 97.2	70-130	0.6	-	
Sb	ug/L	<2.00	2.00	101.6 /	85-115	-	-	-	-	102.3 / 103.3	70-130	1.0	-	
Se	ug/L	<5.00	5.00	100.8 /	85-115	-	-	-	-	113.1 / 113.1	70-130	0.0	-	
Tl	ug/L	<0.500	0.50	95.9 /	85-115	-	-	-	-	95.8 / 96.5	70-130	0.8	-	
V	ug/L	<0.200	0.20	94.1 /	85-115	-	-	-	-	94.4 / 94.5	70-130	0.1	-	
Zn	ug/L	<5.00	5.00	99.5 /	85-115	-	-	-	-	109.0 / 109.3	70-130	0.3	-	



Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
<b>EPA 200.8 (Rev. 5.4, 1994)</b>							<b>Batch #:</b>	<b>AB-250206-005</b>		<b>Parent Sample:</b>	<b>2024-3139</b>			
Ag	ug/L	<0.100	0.10	89.6 /	85-115		-			86.7 / 87.0	70-130	0.4	-	
As	ug/L	<1.00	1.00	97.5 /	85-115		-			99.8 / 100.5	70-130	0.7	-	
Ba	ug/L	<1.00	1.00	94.4 /	85-115		-			94.5 / 95.2	70-130	0.5	-	
Be	ug/L	<1.00	1.00	98.8 /	85-115		-			100.9 / 106.0	70-130	5.0	-	
Cd	ug/L	<0.300	0.30	99.0 /	85-115		-			98.4 / 99.5	70-130	1.2	-	
Co	ug/L	<0.100	0.10	92.5 /	85-115		-			86.7 / 88.9	70-130	2.3	-	
Cr	ug/L	<1.00	1.00	96.1 /	85-115		-			91.8 / 92.6	70-130	0.8	-	
Cu	ug/L	<0.500	0.50	90.7 /	85-115		-			81.1 / 82.5	70-130	1.1	-	
Ni	ug/L	<0.500	0.50	92.3 /	85-115		-			84.5 / 86.4	70-130	2.1	-	
Pb	ug/L	<0.500	0.50	98.4 /	85-115		-			97.5 / 99.1	70-130	1.3	-	
Sb	ug/L	<2.00	2.00	101.3 /	85-115		-			102.3 / 102.6	70-130	0.3	-	
Se	ug/L	<5.00	5.00	101.4 /	85-115		-			103.4 / 105.2	70-130	1.7	-	
Tl	ug/L	<0.500	0.50	97.7 /	85-115		-			97.5 / 98.5	70-130	1.0	-	
V	ug/L	<0.200	0.20	95.1 /	85-115		-			92.7 / 94.3	70-130	1.7	-	
Zn	ug/L	<5.00	5.00	101.0 /	85-115		-			45.1 / 1,024.9	70-130	1.0	-	

**FIELD QUALITY CONTROL REPORT**

**Work Order #**      **WO-241217-02**

**Parent Sample**    **2024-3139**

<b>Analyte(s)</b>	<b>Parent Sample Result</b>	<b>Field Dup Result</b>	<b>Units</b>	<b>% RPD</b>	<b>Limits</b>	<b>Batch Number</b>
<b>Aliquot #</b>	AB-241217-026 Dup - Field 2		<b>Parent Aliquot #</b>	2024-3139-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-241217-026
<b>Aliquot #</b>	AB-241217-026 Dup - Field 3		<b>Parent Aliquot #</b>	2024-3142-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-241217-026
<b>Aliquot #</b>	AB-241218-003 Dup - Field 2		<b>Parent Aliquot #</b>	2024-3139-2-01		
Dissolved Organic Carbon		<1.00	mg/L	8.37	0 - 20	AB-241218-003
<b>Aliquot #</b>	AB-241218-003 Dup - Field 3		<b>Parent Aliquot #</b>	2024-3142-2-01		
Dissolved Organic Carbon		1.12	mg/L	6.45	0 - 20	AB-241218-003
<b>Aliquot #</b>	AB-241218-007 Dup - Field 2		<b>Parent Aliquot #</b>	2024-3139-1-05		
Orthophosphate as Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-241218-007
<b>Aliquot #</b>	AB-241218-007 Dup - Field 3		<b>Parent Aliquot #</b>	2024-3142-1-05		
Orthophosphate as Phosphorus		0.03	mg/L	0.35	0 - 20	AB-241218-007
<b>Aliquot #</b>	AB-241218-011 Dup - Field 2		<b>Parent Aliquot #</b>	2024-3139-1-04		
Nitrite+Nitrate as Nitrogen		0.36	mg/L	99.59	0 - 20	AB-241218-011
<b>Aliquot #</b>	AB-241218-011 Dup - Field 3		<b>Parent Aliquot #</b>	2024-3142-1-04		
Nitrite+Nitrate as Nitrogen		3.98	mg/L	0.76	0 - 20	AB-241218-011
<b>Aliquot #</b>	AB-241218-015 Dup - Field 2		<b>Parent Aliquot #</b>	2024-3139-1-01		
Alkalinity		255	mg/L	7.32	0 - 20	AB-241218-015
<b>Aliquot #</b>	AB-241218-015 Dup - Field 3		<b>Parent Aliquot #</b>	2024-3142-1-01		
Alkalinity		79.6	mg/L	1.25	0 - 20	AB-241218-015
<b>Aliquot #</b>	AB-241218-019 Dup - Field 2		<b>Parent Aliquot #</b>	2024-3139-1-13		
Total Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-241218-019
<b>Aliquot #</b>	AB-241218-019 Dup - Field 3		<b>Parent Aliquot #</b>	2024-3142-1-13		
Total Phosphorus		0.02	mg/L	6.21	0 - 20	AB-241218-019
<b>Aliquot #</b>	AB-241218-024 Dup - Field 2		<b>Parent Aliquot #</b>	2024-3139-1-12		
Total Kjeldahl Nitrogen		<0.10	mg/L	0.00	0 - 20	AB-241218-024
<b>Aliquot #</b>	AB-241218-024 Dup - Field 3		<b>Parent Aliquot #</b>	2024-3142-1-12		
Total Kjeldahl Nitrogen		<0.10	mg/L	0.00	0 - 20	AB-241218-024
<b>Aliquot #</b>	AB-241219-001 Dup - Field 2		<b>Parent Aliquot #</b>	2024-3139-1-10		
Total Suspended Solids		<2.00	mg/L	0.00	0 - 5	AB-241219-001
<b>Aliquot #</b>	AB-241219-001 Dup - Field 3		<b>Parent Aliquot #</b>	2024-3142-1-10		

Total Suspended Solids	<2.00	mg/L	0.00	0 - 5	AB-241219-001
<b>Aliquot #</b>	AB-241220-004 Dup - Field 2	<b>Parent Aliquot #</b>	2024-3139-1-08		
Total Dissolved Solids	282	mg/L	8.68	0 - 5	AB-241220-004
<b>Aliquot #</b>	AB-241220-004 Dup - Field 3	<b>Parent Aliquot #</b>	2024-3142-1-08		
Total Dissolved Solids	152	mg/L	2.28	0 - 5	AB-241220-004
<b>Aliquot #</b>	AB-241230-001 Dup - Field 2	<b>Parent Aliquot #</b>	2024-3139-1-11		
Turbidity	3.97	NTU	20.97	0 - 20	AB-241230-001
<b>Aliquot #</b>	AB-241230-001 Dup - Field 3	<b>Parent Aliquot #</b>	2024-3142-1-11		
Turbidity	2.98	NTU	4.27	0 - 20	AB-241230-001
<b>Aliquot #</b>	AB-250102-001 Dup - Field 1	<b>Parent Aliquot #</b>	2024-3139-1-06		
pH	7.40	units	0.00	0 - 20	AB-250102-001
<b>Aliquot #</b>	AB-250102-001 Dup - Field 2	<b>Parent Aliquot #</b>	2024-3142-1-06		
pH	7.06	units	0.00	0 - 20	AB-250102-001
<b>Aliquot #</b>	AB-250102-002 Dup - Field 1	<b>Parent Aliquot #</b>	2024-3139-1-09		
Water Temperature	12.3	°C	0.00	0 - 20	AB-250102-002
<b>Aliquot #</b>	AB-250102-002 Dup - Field 2	<b>Parent Aliquot #</b>	2024-3142-1-09		
Water Temperature	13.3	°C	0.00	0 - 20	AB-250102-002
<b>Aliquot #</b>	AB-250102-019 Dup - Field 2	<b>Parent Aliquot #</b>	2024-3139-1-07		
Specific Conductance	453	uS/cm	0.66	0 - 20	AB-250102-019
<b>Aliquot #</b>	AB-250102-019 Dup - Field 3	<b>Parent Aliquot #</b>	2024-3142-1-07		
Specific Conductance	258	uS/cm	0.39	0 - 20	AB-250102-019
<b>Aliquot #</b>	AB-250128-001 Dup - Field 3	<b>Parent Aliquot #</b>	2024-3139-3-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250128-001
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250128-001
Barium	24.3	ug/L	0.08	0 - 20	AB-250128-001
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250128-001
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250128-001
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250128-001
Cobalt	0.176	ug/L	1.65	0 - 20	AB-250128-001
Copper	<0.500	ug/L	0.00	0 - 20	AB-250128-001
Lead	<0.500	ug/L	0.00	0 - 20	AB-250128-001
Nickel	1.69	ug/L	0.41	0 - 20	AB-250128-001
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250128-001
Silver	<0.100	ug/L	0.00	0 - 20	AB-250128-001
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250128-001
Vanadium	<0.200	ug/L	0.00	0 - 20	AB-250128-001
Zinc	276	ug/L	0.00	0 - 20	AB-250128-001
<b>Aliquot #</b>	AB-250128-001 Dup - Field 4	<b>Parent Aliquot #</b>	2024-3142-3-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250128-001
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250128-001

Barium	63.5	ug/L	0.49	0 - 20	AB-250128-001
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250128-001
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250128-001
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250128-001
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-250128-001
Copper	<0.500	ug/L	77.84	0 - 20	AB-250128-001
Lead	<0.500	ug/L	0.00	0 - 20	AB-250128-001
Nickel	<0.500	ug/L	0.00	0 - 20	AB-250128-001
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250128-001
Silver	<0.100	ug/L	0.00	0 - 20	AB-250128-001
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250128-001
Vanadium	0.250	ug/L	23.76	0 - 20	AB-250128-001
Zinc	<5.00	ug/L	0.00	0 - 20	AB-250128-001

Aliquot #	AB-250129-012 Dup - Field 3	Parent Aliquot #	2024-3139-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250129-012
Calcium	76.1	mg/L	0.07	0 - 20	AB-250129-012
Iron	0.441	mg/L	0.63	0 - 20	AB-250129-012
Magnesium	1.45	mg/L	0.25	0 - 20	AB-250129-012
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250129-012
Potassium	1.08	mg/L	1.49	0 - 20	AB-250129-012
Sodium	26.4	mg/L	0.30	0 - 20	AB-250129-012
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250129-012

Aliquot #	AB-250129-012 Dup - Field 4	Parent Aliquot #	2024-3142-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250129-012
Calcium	36.4	mg/L	0.16	0 - 20	AB-250129-012
Iron	<0.100	mg/L	0.00	0 - 20	AB-250129-012
Magnesium	2.03	mg/L	0.13	0 - 20	AB-250129-012
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250129-012
Potassium	2.50	mg/L	3.85	0 - 20	AB-250129-012
Sodium	6.98	mg/L	0.22	0 - 20	AB-250129-012
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250129-012

Aliquot #	AB-250206-002 Dup - Field 1	Parent Aliquot #	2024-3139-4-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250206-002
Calcium	79.2	mg/L	0.60	0 - 20	AB-250206-002
Iron	0.486	mg/L	1.13	0 - 20	AB-250206-002
Magnesium	1.53	mg/L	0.84	0 - 20	AB-250206-002
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250206-002
Potassium	<1.00	mg/L	14.84	0 - 20	AB-250206-002
Sodium	28.0	mg/L	1.01	0 - 20	AB-250206-002
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250206-002

Aliquot #	AB-250206-002 Dup - Field 2	Parent Aliquot #	2024-3142-4-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-250206-002
Calcium	38.1	mg/L	0.67	0 - 20	AB-250206-002
Iron	<0.100	mg/L	0.00	0 - 20	AB-250206-002

Magnesium	2.14	mg/L	0.54	0 - 20	AB-250206-002
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-250206-002
Potassium	2.38	mg/L	2.74	0 - 20	AB-250206-002
Sodium	7.42	mg/L	0.82	0 - 20	AB-250206-002
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-250206-002

<b>Aliquot #</b>	<b>AB-250206-005 Dup - Field 1</b>		<b>Parent Aliquot #</b>	<b>2024-3139-4-01</b>	
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250206-005
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250206-005
Barium	24.6	ug/L	2.56	0 - 20	AB-250206-005
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250206-005
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250206-005
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250206-005
Cobalt	0.185	ug/L	1.76	0 - 20	AB-250206-005
Copper	8.23	ug/L	14.19	0 - 20	AB-250206-005
Lead	0.602	ug/L	12.49	0 - 20	AB-250206-005
Nickel	1.79	ug/L	3.42	0 - 20	AB-250206-005
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250206-005
Silver	<0.100	ug/L	0.00	0 - 20	AB-250206-005
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250206-005
Vanadium	<0.200	ug/L	0.00	0 - 20	AB-250206-005
Zinc	287	ug/L	0.00	0 - 20	AB-250206-005

<b>Aliquot #</b>	<b>AB-250206-005 Dup - Field 2</b>		<b>Parent Aliquot #</b>	<b>2024-3142-4-01</b>	
Antimony	<2.00	ug/L	0.00	0 - 20	AB-250206-005
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-250206-005
Barium	65.1	ug/L	0.66	0 - 20	AB-250206-005
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-250206-005
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-250206-005
Chromium	<1.00	ug/L	0.00	0 - 20	AB-250206-005
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-250206-005
Copper	<0.500	ug/L	0.00	0 - 20	AB-250206-005
Lead	<0.500	ug/L	0.00	0 - 20	AB-250206-005
Nickel	0.524	ug/L	2.29	0 - 20	AB-250206-005
Selenium	<5.00	ug/L	0.00	0 - 20	AB-250206-005
Silver	<0.100	ug/L	0.00	0 - 20	AB-250206-005
Thallium	<0.500	ug/L	0.00	0 - 20	AB-250206-005
Vanadium	0.290	ug/L	1.13	0 - 20	AB-250206-005
Zinc	<5.00	ug/L	0.00	0 - 20	AB-250206-005