

Analytical Results



Lab Contact Info:

ADEQ Laboratory and Monitoring Services

5301 Northshore Drive, North Little Rock, AR 72118

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Lessie Redican

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501-682-0937

Collector: Geological, Arkansas

Project: EVT

Project Description: EVT Routine+Metals 2024 2266-2271

Date and Time Received: 9/11/2024 15:43:00

Work Order Number: WO-240911-05

Sample Receipt Conditions:

Condition	Response	Comment
Is the COC completed properly?	Yes	
Temperature on Receipt	4.2°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: HB-01	Work Order Number: WO-240911-05
Sample Classification: Routine Monitoring	Project:	EVT
Matrix: Water	Collected:	9/10/2024 16:28
Sample Barcode: 	Sample Number:	2024-2266

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

Aliquot #: 2024-2266-1-01 **Batch Number: AB-240912-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	75.7	mg/L		6.00	1	9/12/2024 7:46

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

Aliquot #: 2024-2266-1-02 **Batch Number: AB-240912-006**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	0.034	mg/L		0.03	1	9/11/2024 16:43

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

Aliquot #: 2024-2266-1-03 **Batch Number: AB-240911-014**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	9/13/2024 12:48
Chloride	7.92	mg/L		0.50	1	9/13/2024 12:48
Bromide	<0.10	mg/L		0.10	1	9/13/2024 12:48
Sulfate	7.70	mg/L		0.50	1	9/13/2024 12:48

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

Aliquot #: 2024-2266-1-05 **Batch Number: AB-240912-009**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	9/11/2024 16:43

Analytical Results



Collector: Geological, Arkansas

Site: HB-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/10/2024 16:28

Sample Barcode: 

Sample Number: 2024-2266

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: CAC

Aliquot #: 2024-2266-1-06

Batch Number: AB-240912-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	0.26	mg/L		0.05	1	9/11/2024 16:43

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2266-1-07

Batch Number: AB-240923-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	190	uS/cm		1.00	1	9/11/2024 17:15

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2266-1-08

Batch Number: AB-241008-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	8.19	None			1	9/10/2024 16:28

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2266-1-09

Batch Number: AB-241008-020

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	26.3	°C			1	9/10/2024 16:28

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2266-1-10

Batch Number: AB-240911-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	130	mg/L		10.00	1	9/11/2024 16:00

Analytical Results



Collector: Geological, Arkansas

Site: HB-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project:

EVT

Matrix: Water

Collected:

9/10/2024 16:28

Sample Barcode:



Sample Number:

2024-2266

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2266-1-11

Batch Number: AB-240911-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	15.0	mg/L		2.00	1	9/11/2024 16:00

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2266-1-12

Batch Number: AB-240923-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	9.02	NTU		0.05	1	9/11/2024 17:15

Total Kjeldahl Nitrogen as N

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

Analyst: CAC

Aliquot #: 2024-2266-1-14

Batch Number: AB-240912-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	1.42	mg/L		0.10	1	9/12/2024 10:46
Total Nitrogen from Lachat	1.68	mg/L		0.10	1	9/12/2024 10:46

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2266-1-15

Batch Number: AB-240912-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.13	mg/L		0.02	1	9/12/2024 10:46

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2266-2-01

Batch Number: AB-240911-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	4.10	mg/L		1.00	1	9/11/2024 22:33

Analytical Results



Collector: Geological, Arkansas

Site: HB-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/10/2024 16:28

Sample Barcode: 

Sample Number: 2024-2266

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2266-3-01

Batch Number: AB-241001-003

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/1/2024 16:44
Arsenic	<1.00	ug/L		1.00	1	10/1/2024 16:44
Barium	33.3	ug/L		1.00	1	10/1/2024 16:44
Beryllium	<1.00	ug/L		1.00	1	10/1/2024 16:44
Cadmium	<0.300	ug/L		0.30	1	10/1/2024 16:44
Chromium	<1.00	ug/L		1.00	1	10/1/2024 16:44
Cobalt	<0.100	ug/L		0.10	1	10/1/2024 16:44
Copper	2.78	ug/L		0.50	1	10/1/2024 16:44
Lead	<0.500	ug/L		0.50	1	10/1/2024 16:44
Nickel	<0.500	ug/L		0.50	1	10/1/2024 16:44
Selenium	<5.00	ug/L		5.00	1	10/1/2024 16:44
Silver	<0.100	ug/L		0.10	1	10/1/2024 16:44
Thallium	<0.500	ug/L		0.50	1	10/1/2024 16:44
Vanadium	0.663	ug/L		0.20	1	10/1/2024 16:44
Zinc	<5.00	ug/L		5.00	1	10/1/2024 16:44

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2266-3-02

Batch Number: AB-241002-017

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/7/2024 16:08
Calcium	27.5	mg/L		1.00	1	10/7/2024 16:08
Iron	<0.100	mg/L		0.10	1	10/7/2024 16:08
Magnesium	1.57	mg/L		1.00	1	10/7/2024 16:08
Manganese	<0.0200	mg/L		0.02	1	10/7/2024 16:08
Potassium	1.96	mg/L		1.00	1	10/7/2024 16:08
Sodium	8.61	mg/L		1.00	1	10/7/2024 16:08
Hardness	75.1	mg/L		1.00	1	10/7/2024 16:08
Phosphorus	<1.00	mg/L		1.00	1	10/7/2024 16:08

Analytical Results



Collector: Geological, Arkansas

Site: HB-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project:

EVT

Matrix: Water

Collected:

9/10/2024 16:28

Sample Barcode:



Sample Number:

2024-2266

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2266-4-01

Batch Number: AB-241016-032

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/25/2024 12:39
Arsenic	<1.00	ug/L		1.00	1	10/25/2024 12:39
Barium	47.3	ug/L		1.00	1	10/25/2024 12:39
Beryllium	<1.00	ug/L		1.00	1	10/25/2024 12:39
Cadmium	<0.300	ug/L		0.30	1	10/25/2024 12:39
Chromium	<1.00	ug/L		1.00	1	10/25/2024 12:39
Cobalt	0.130	ug/L		0.10	1	10/25/2024 12:39
Copper	4.11	ug/L		0.50	1	10/25/2024 12:39
Lead	<0.500	ug/L		0.50	1	10/25/2024 12:39
Nickel	<0.500	ug/L		0.50	1	10/25/2024 12:39
Selenium	<5.00	ug/L		5.00	1	10/25/2024 12:39
Silver	<0.100	ug/L		0.10	1	10/25/2024 12:39
Thallium	<0.500	ug/L		0.50	1	10/25/2024 12:39
Vanadium	0.841	ug/L		0.20	1	10/25/2024 12:39
Zinc	<5.00	ug/L		5.00	1	10/25/2024 12:39

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2266-4-02

Batch Number: AB-241017-009

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/18/2024 11:33
Calcium	27.8	mg/L		1.00	1	10/18/2024 11:33
Iron	0.193	mg/L		0.10	1	10/18/2024 11:33
Magnesium	1.62	mg/L		1.00	1	10/18/2024 11:33
Manganese	0.0881	mg/L		0.02	1	10/18/2024 11:33
Potassium	2.20	mg/L		1.00	1	10/18/2024 11:33
Sodium	8.59	mg/L		1.00	1	10/18/2024 11:33
Phosphorus	<1.00	mg/L		1.00	1	10/18/2024 11:33

Analytical Results



Collector: Geological, Arkansas

Site: LWC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/10/2024 16:58

Sample Barcode: 

Sample Number: 2024-2267

Alkalinity as CaCO₃

Method: EPA 310.2 (Rev. 1974)

Analyst: CAC

Aliquot #: 2024-2267-1-01

Batch Number: AB-240912-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	128	mg/L		6.00	1	9/12/2024 7:47

Ammonia as N

Method: SM 4500-NH₃ H, 2021

Analyst: CAC

Aliquot #: 2024-2267-1-02

Batch Number: AB-240912-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	9/11/2024 16:44

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst:

Aliquot #: 2024-2267-1-03

Batch Number: AB-240911-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	9/13/2024 12:56
Chloride	10.5	mg/L		0.50	1	9/13/2024 12:56
Bromide	<0.10	mg/L		0.10	1	9/13/2024 12:56
Sulfate	11.4	mg/L		0.50	1	9/13/2024 12:56

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2267-1-05

Batch Number: AB-240912-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.032	mg/L		0.02	1	9/11/2024 16:44

Nitrate +Nitrite as N

Method: SM 4500-NO₃ F, 2019

Analyst: CAC

Aliquot #: 2024-2267-1-06

Batch Number: AB-240912-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	4.62	mg/L		0.05	1	9/11/2024 16:44

Analytical Results



Collector: Geological, Arkansas

Site: LWC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/10/2024 16:58

Sample Barcode: 

Sample Number: 2024-2267

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2267-1-07

Batch Number: AB-240923-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	328	uS/cm		1.00	1	9/11/2024 17:16

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2267-1-08

Batch Number: AB-241008-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.96	None			1	9/10/2024 16:58

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2267-1-09

Batch Number: AB-241008-020

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	24.3	°C			1	9/10/2024 16:58

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2267-1-10

Batch Number: AB-240911-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	200	mg/L		10.00	1	9/11/2024 16:00

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2267-1-11

Batch Number: AB-240911-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	9/11/2024 16:00

Analytical Results



Collector: Geological, Arkansas

Site: LWC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/10/2024 16:58

Sample Barcode: 

Sample Number: 2024-2267

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2267-1-12

Batch Number: AB-240923-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	1.31	NTU		0.05	1	9/11/2024 17:16

Total Kjeldahl Nitrogen as N

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

Analyst: CAC

Aliquot #: 2024-2267-1-14

Batch Number: AB-240912-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	9/12/2024 10:47
Total Nitrogen from Lachat	4.35	mg/L		0.10	1	9/12/2024 10:47

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2267-1-15

Batch Number: AB-240912-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.04	mg/L		0.02	1	9/12/2024 10:47

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2267-2-01

Batch Number: AB-240911-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	9/11/2024 23:16

Analytical Results



Collector: Geological, Arkansas

Site: LWC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/10/2024 16:58

Sample Barcode: 

Sample Number: 2024-2267

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2267-3-01

Batch Number: AB-241001-003

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/1/2024 16:48
Arsenic	<1.00	ug/L		1.00	1	10/1/2024 16:48
Barium	55.3	ug/L		1.00	1	10/1/2024 16:48
Beryllium	<1.00	ug/L		1.00	1	10/1/2024 16:48
Cadmium	<0.300	ug/L		0.30	1	10/1/2024 16:48
Chromium	<1.00	ug/L		1.00	1	10/1/2024 16:48
Cobalt	<0.100	ug/L		0.10	1	10/1/2024 16:48
Copper	<0.500	ug/L		0.50	1	10/1/2024 16:48
Lead	<0.500	ug/L		0.50	1	10/1/2024 16:48
Nickel	<0.500	ug/L		0.50	1	10/1/2024 16:48
Selenium	<5.00	ug/L		5.00	1	10/1/2024 16:48
Silver	<0.100	ug/L		0.10	1	10/1/2024 16:48
Thallium	<0.500	ug/L		0.50	1	10/1/2024 16:48
Vanadium	0.491	ug/L		0.20	1	10/1/2024 16:48
Zinc	<5.00	ug/L		5.00	1	10/1/2024 16:48

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2267-3-02

Batch Number: AB-241002-017

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/7/2024 16:09
Calcium	53.6	mg/L		5.00	5	10/7/2024 16:35
Iron	<0.100	mg/L		0.10	1	10/7/2024 16:09
Magnesium	2.01	mg/L		1.00	1	10/7/2024 16:09
Manganese	<0.0200	mg/L		0.02	1	10/7/2024 16:09
Potassium	2.16	mg/L		1.00	1	10/7/2024 16:09
Sodium	10.3	mg/L		1.00	1	10/7/2024 16:09
Hardness	142	mg/L		1.00	1	10/7/2024 16:35
Phosphorus	<1.00	mg/L		1.00	1	10/7/2024 16:09

Analytical Results



Collector: Geological, Arkansas

Site: LWC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project:

EVT

Matrix: Water

Collected:

9/10/2024 16:58

Sample Barcode:



Sample Number:

2024-2267

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2267-4-01

Batch Number: AB-241016-032

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/25/2024 12:43
Arsenic	<1.00	ug/L		1.00	1	10/25/2024 12:43
Barium	63.7	ug/L		1.00	1	10/25/2024 12:43
Beryllium	<1.00	ug/L		1.00	1	10/25/2024 12:43
Cadmium	<0.300	ug/L		0.30	1	10/25/2024 12:43
Chromium	<1.00	ug/L		1.00	1	10/25/2024 12:43
Cobalt	<0.100	ug/L		0.10	1	10/25/2024 12:43
Copper	<0.500	ug/L		0.50	1	10/25/2024 12:43
Lead	<0.500	ug/L		0.50	1	10/25/2024 12:43
Nickel	<0.500	ug/L		0.50	1	10/25/2024 12:43
Selenium	<5.00	ug/L		5.00	1	10/25/2024 12:43
Silver	<0.100	ug/L		0.10	1	10/25/2024 12:43
Thallium	<0.500	ug/L		0.50	1	10/25/2024 12:43
Vanadium	0.640	ug/L		0.20	1	10/25/2024 12:43
Zinc	<5.00	ug/L		5.00	1	10/25/2024 12:43

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2267-4-02

Batch Number: AB-241017-009

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/18/2024 11:34
Calcium	53.3	mg/L		5.00	5	10/18/2024 12:34
Iron	<0.100	mg/L		0.10	1	10/18/2024 11:34
Magnesium	2.06	mg/L		1.00	1	10/18/2024 11:34
Manganese	<0.0200	mg/L		0.02	1	10/18/2024 11:34
Potassium	2.27	mg/L		1.00	1	10/18/2024 11:34
Sodium	10.2	mg/L		1.00	1	10/18/2024 11:34
Phosphorus	<1.00	mg/L		1.00	1	10/18/2024 11:34

Analytical Results



Collector: Geological, Arkansas

Site: GW-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:08

Sample Barcode: 

Sample Number: 2024-2268

Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst: CAC

Aliquot #: 2024-2268-1-01

Batch Number: AB-240912-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	211	mg/L		6.00	1	9/12/2024 7:50

Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst: CAC

Aliquot #: 2024-2268-1-02

Batch Number: AB-240912-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	9/11/2024 16:47

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst:

Aliquot #: 2024-2268-1-03

Batch Number: AB-240911-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	0.26	mg/L		0.10	1	9/13/2024 13:12
Chloride	13.1	mg/L		0.50	1	9/13/2024 13:12
Bromide	<0.10	mg/L		0.10	1	9/13/2024 13:12
Sulfate	15.8	mg/L		0.50	1	9/13/2024 13:12

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2268-1-05

Batch Number: AB-240912-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	9/11/2024 16:47

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: CAC

Aliquot #: 2024-2268-1-06

Batch Number: AB-240912-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	3.86	mg/L		0.05	1	9/11/2024 16:47

Analytical Results



Collector: Geological, Arkansas

Site: GW-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:08

Sample Barcode: 

Sample Number: 2024-2268

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2268-1-07

Batch Number: AB-240923-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	490	uS/cm		1.00	1	9/11/2024 17:18

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2268-1-08

Batch Number: AB-241008-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.78	None			1	9/11/2024 9:08

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2268-1-09

Batch Number: AB-241008-020

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	16.9	°C	R		1	9/11/2024 9:08

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2268-1-10

Batch Number: AB-240916-002

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	295	mg/L		10.00	1	9/11/2024 16:00

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2268-1-11

Batch Number: AB-240916-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	9/11/2024 16:00

Analytical Results



Collector: Geological, Arkansas

Site: GW-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:08

Sample Barcode: 

Sample Number: 2024-2268

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2268-1-12

Batch Number: AB-240923-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	1.76	NTU		0.05	1	9/11/2024 17:18

Total Kjeldahl Nitrogen as N

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

Analyst: CAC

Aliquot #: 2024-2268-1-14

Batch Number: AB-240912-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	9/12/2024 10:49
Total Nitrogen from Lachat	3.64	mg/L		0.10	1	9/12/2024 10:49

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2268-1-15

Batch Number: AB-240912-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.03	mg/L		0.02	1	9/12/2024 10:49

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2268-2-01

Batch Number: AB-240911-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	9/11/2024 23:45

Analytical Results



Collector: Geological, Arkansas

Site: GW-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:08

Sample Barcode: 

Sample Number: 2024-2268

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2268-3-01

Batch Number: AB-241001-003

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/1/2024 16:57
Arsenic	<1.00	ug/L		1.00	1	10/1/2024 16:57
Barium	45.4	ug/L		1.00	1	10/1/2024 16:57
Beryllium	<1.00	ug/L		1.00	1	10/1/2024 16:57
Cadmium	<0.300	ug/L		0.30	1	10/1/2024 16:57
Chromium	<1.00	ug/L		1.00	1	10/1/2024 16:57
Cobalt	<0.100	ug/L		0.10	1	10/1/2024 16:57
Copper	<0.500	ug/L		0.50	1	10/1/2024 16:57
Lead	<0.500	ug/L		0.50	1	10/1/2024 16:57
Nickel	0.545	ug/L		0.50	1	10/1/2024 16:57
Selenium	<5.00	ug/L		5.00	1	10/1/2024 16:57
Silver	<0.100	ug/L		0.10	1	10/1/2024 16:57
Thallium	<0.500	ug/L		0.50	1	10/1/2024 16:57
Vanadium	0.281	ug/L		0.20	1	10/1/2024 16:57
Zinc	6.37	ug/L		5.00	1	10/1/2024 16:57

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2268-3-02

Batch Number: AB-241002-017

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/7/2024 16:12
Calcium	82.9	mg/L		5.00	5	10/7/2024 16:38
Iron	<0.100	mg/L		0.10	1	10/7/2024 16:12
Magnesium	2.29	mg/L		1.00	1	10/7/2024 16:12
Manganese	<0.0200	mg/L		0.02	1	10/7/2024 16:12
Potassium	1.94	mg/L		1.00	1	10/7/2024 16:12
Sodium	18.3	mg/L		1.00	1	10/7/2024 16:12
Hardness	216	mg/L		1.00	1	10/7/2024 16:38
Phosphorus	<1.00	mg/L		1.00	1	10/7/2024 16:12

Analytical Results



Collector: Geological, Arkansas

Site: GW-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:08

Sample Barcode: 

Sample Number: 2024-2268

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2268-4-01

Batch Number: AB-241016-033

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/25/2024 13:03
Arsenic	<1.00	ug/L		1.00	1	10/25/2024 13:03
Barium	51.2	ug/L		1.00	1	10/25/2024 13:03
Beryllium	<1.00	ug/L		1.00	1	10/25/2024 13:03
Cadmium	<0.300	ug/L		0.30	1	10/25/2024 13:03
Chromium	<1.00	ug/L		1.00	1	10/25/2024 13:03
Cobalt	<0.100	ug/L		0.10	1	10/25/2024 13:03
Copper	<0.500	ug/L		0.50	1	10/25/2024 13:03
Lead	<0.500	ug/L		0.50	1	10/25/2024 13:03
Nickel	0.666	ug/L		0.50	1	10/25/2024 13:03
Selenium	<5.00	ug/L		5.00	1	10/25/2024 13:03
Silver	<0.100	ug/L		0.10	1	10/25/2024 13:03
Thallium	<0.500	ug/L		0.50	1	10/25/2024 13:03
Vanadium	0.410	ug/L		0.20	1	10/25/2024 13:03
Zinc	8.31	ug/L	R	5.00	1	10/25/2024 13:03

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2268-4-02

Batch Number: AB-241017-010

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	0.110	mg/L		0.10	1	10/18/2024 11:46
Calcium	82.1	mg/L		5.00	5	10/18/2024 12:40
Iron	<0.100	mg/L		0.10	1	10/18/2024 11:46
Magnesium	2.30	mg/L		1.00	1	10/18/2024 11:46
Manganese	<0.0200	mg/L		0.02	1	10/18/2024 11:46
Potassium	2.08	mg/L		1.00	1	10/18/2024 11:46
Sodium	18.1	mg/L		1.00	1	10/18/2024 11:46
Phosphorus	<1.00	mg/L		1.00	1	10/18/2024 11:46

Analytical Results



Collector: Geological, Arkansas

Site: CC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project:

EVT

Matrix: Water

Collected:

9/11/2024 9:44

Sample Barcode:



Sample Number:

2024-2269

Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst: CAC

Aliquot #: 2024-2269-1-01

Batch Number: AB-240912-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	168	mg/L		6.00	1	9/12/2024 7:52

Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst: CAC

Aliquot #: 2024-2269-1-02

Batch Number: AB-240912-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	9/11/2024 16:49

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst:

Aliquot #: 2024-2269-1-03

Batch Number: AB-240911-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	0.11	mg/L		0.10	1	9/13/2024 13:29
Chloride	11.2	mg/L		0.50	1	9/13/2024 13:29
Bromide	<0.10	mg/L		0.10	1	9/13/2024 13:29
Sulfate	18.4	mg/L		0.50	1	9/13/2024 13:29

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2269-1-05

Batch Number: AB-240912-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	9/11/2024 16:49

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: CAC

Aliquot #: 2024-2269-1-06

Batch Number: AB-240912-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	2.05	mg/L		0.05	1	9/11/2024 16:49

Analytical Results



Collector: Geological, Arkansas

Site: CC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:44

Sample Barcode: 

Sample Number: 2024-2269

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2269-1-07

Batch Number: AB-240923-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	398	uS/cm		1.00	1	9/11/2024 17:19

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2269-1-08

Batch Number: AB-241008-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	7.51	None			1	9/11/2024 9:44

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2269-1-09

Batch Number: AB-241008-020

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	19.7	°C			1	9/11/2024 9:44

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2269-1-10

Batch Number: AB-240911-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	233	mg/L		10.00	1	9/11/2024 16:00

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2269-1-11

Batch Number: AB-240911-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	2.25	mg/L		2.00	1	9/11/2024 16:00

Analytical Results



Collector: Geological, Arkansas

Site: CC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:44

Sample Barcode: 

Sample Number: 2024-2269

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2269-1-12

Batch Number: AB-240923-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	3.04	NTU		0.05	1	9/11/2024 17:19

Total Kjeldahl Nitrogen as N

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

Analyst: CAC

Aliquot #: 2024-2269-1-14

Batch Number: AB-240912-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.10	mg/L		0.10	1	9/12/2024 10:51
Total Nitrogen from Lachat	2.15	mg/L		0.10	1	9/12/2024 10:51

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2269-1-15

Batch Number: AB-240912-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.02	mg/L		0.02	1	9/12/2024 10:51

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2269-2-01

Batch Number: AB-240911-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	1.03	mg/L		1.00	1	9/12/2024 0:14

Analytical Results



Collector: Geological, Arkansas

Site: CC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:44

Sample Barcode: 

Sample Number: 2024-2269

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2269-3-01

Batch Number: AB-241014-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Antimony	<2.00	ug/L		2.00	1	10/15/2024 13:56
Arsenic	<1.00	ug/L		1.00	1	10/15/2024 13:56
Barium	52.0	ug/L		1.00	1	10/15/2024 13:56
Beryllium	<1.00	ug/L		1.00	1	10/15/2024 13:56
Cadmium	<0.300	ug/L		0.30	1	10/15/2024 13:56
Chromium	<1.00	ug/L		1.00	1	10/15/2024 13:56
Cobalt	<0.100	ug/L		0.10	1	10/15/2024 13:56
Copper	<0.500	ug/L		0.50	1	10/15/2024 13:56
Lead	<0.500	ug/L		0.50	1	10/15/2024 13:56
Nickel	<0.500	ug/L		0.50	1	10/15/2024 13:56
Selenium	<5.00	ug/L		5.00	1	10/15/2024 13:56
Silver	<0.100	ug/L		0.10	1	10/15/2024 13:56
Thallium	<0.500	ug/L		0.50	1	10/15/2024 13:56
Vanadium	0.387	ug/L		0.20	1	10/15/2024 13:56
Zinc	<5.00	ug/L		5.00	1	10/15/2024 13:56

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2269-3-02

Batch Number: AB-241014-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/14/2024 11:29
Calcium	66.9	mg/L		5.00	5	10/14/2024 14:04
Iron	<0.100	mg/L		0.10	1	10/14/2024 11:29
Magnesium	2.64	mg/L		1.00	1	10/14/2024 11:29
Manganese	<0.0200	mg/L		0.02	1	10/14/2024 11:29
Potassium	1.78	mg/L		1.00	1	10/14/2024 11:29
Sodium	9.66	mg/L		1.00	1	10/14/2024 11:29
Hardness	178	mg/L		1.00	1	10/14/2024 14:04
Phosphorus	<1.00	mg/L		1.00	1	10/14/2024 11:29

Analytical Results



Collector: Geological, Arkansas

Site: CC-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 9:44

Sample Barcode: 

Sample Number: 2024-2269

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2269-4-01

Batch Number: AB-241016-033

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/25/2024 13:27
Arsenic	<1.00	ug/L		1.00	1	10/25/2024 13:27
Barium	61.8	ug/L		1.00	1	10/25/2024 13:27
Beryllium	<1.00	ug/L		1.00	1	10/25/2024 13:27
Cadmium	<0.300	ug/L		0.30	1	10/25/2024 13:27
Chromium	<1.00	ug/L		1.00	1	10/25/2024 13:27
Cobalt	<0.100	ug/L		0.10	1	10/25/2024 13:27
Copper	<0.500	ug/L		0.50	1	10/25/2024 13:27
Lead	<0.500	ug/L		0.50	1	10/25/2024 13:27
Nickel	<0.500	ug/L		0.50	1	10/25/2024 13:27
Selenium	<5.00	ug/L		5.00	1	10/25/2024 13:27
Silver	<0.100	ug/L		0.10	1	10/25/2024 13:27
Thallium	<0.500	ug/L		0.50	1	10/25/2024 13:27
Vanadium	0.496	ug/L		0.20	1	10/25/2024 13:27
Zinc	<5.00	ug/L		5.00	1	10/25/2024 13:27

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2269-4-02

Batch Number: AB-241017-010

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/18/2024 11:52
Calcium	69.1	mg/L		5.00	5	10/18/2024 12:43
Iron	<0.100	mg/L		0.10	1	10/18/2024 11:52
Magnesium	2.73	mg/L		1.00	1	10/18/2024 11:52
Manganese	<0.0200	mg/L		0.02	1	10/18/2024 11:52
Potassium	1.85	mg/L		1.00	1	10/18/2024 11:52
Sodium	9.92	mg/L		1.00	1	10/18/2024 11:52
Phosphorus	<1.00	mg/L		1.00	1	10/18/2024 11:52

Analytical Results



Collector: Geological, Arkansas

Site: HF-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 10:24

Sample Barcode: 

Sample Number: 2024-2270

Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst: CAC

Aliquot #: 2024-2270-1-01

Batch Number: AB-240912-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	136	mg/L		6.00	1	9/12/2024 7:53

Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst: CAC

Aliquot #: 2024-2270-1-02

Batch Number: AB-240912-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	9/11/2024 16:53

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst:

Aliquot #: 2024-2270-1-03

Batch Number: AB-240911-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	9/13/2024 13:37
Chloride	7.78	mg/L		0.50	1	9/13/2024 13:37
Bromide	<0.10	mg/L		0.10	1	9/13/2024 13:37
Sulfate	10.3	mg/L		0.50	1	9/13/2024 13:37

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2270-1-05

Batch Number: AB-240912-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.028	mg/L		0.02	1	9/11/2024 16:53

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: CAC

Aliquot #: 2024-2270-1-06

Batch Number: AB-240912-012

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	5.85	mg/L		0.25	5	9/11/2024 16:57

Analytical Results



Collector: Geological, Arkansas

Site: HF-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 10:24

Sample Barcode: 

Sample Number: 2024-2270

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2270-1-07

Batch Number: AB-240923-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	340	uS/cm		1.00	1	9/11/2024 17:20

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2270-1-08

Batch Number: AB-241008-019

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.69	None			1	9/11/2024 10:24

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2270-1-09

Batch Number: AB-241008-020

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	16.3	°C			1	9/11/2024 10:24

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2270-1-10

Batch Number: AB-240911-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	206	mg/L		10.00	1	9/11/2024 16:00

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2270-1-11

Batch Number: AB-240911-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	9/11/2024 16:00

Analytical Results



Collector: Geological, Arkansas

Site: HF-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 10:24

Sample Barcode: 

Sample Number: 2024-2270

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2270-1-12

Batch Number: AB-240923-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.43	NTU		0.05	1	9/11/2024 17:20

Total Kjeldahl Nitrogen as N

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

Analyst: CAC

Aliquot #: 2024-2270-1-14

Batch Number: AB-240912-018

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.25	mg/L		0.10	1	9/12/2024 10:52
Total Nitrogen from Lachat	6.10	mg/L		0.50	5	9/12/2024 10:52

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: CAC

Aliquot #: 2024-2270-1-15

Batch Number: AB-240912-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.03	mg/L		0.02	1	9/12/2024 10:54

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2270-2-01

Batch Number: AB-240911-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	9/12/2024 0:28

Analytical Results



Collector: Geological, Arkansas

Site: HF-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 9/11/2024 10:24

Sample Barcode: 

Sample Number: 2024-2270

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2270-3-01

Batch Number: AB-241014-011

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/15/2024 14:00
Arsenic	<1.00	ug/L		1.00	1	10/15/2024 14:00
Barium	37.4	ug/L		1.00	1	10/15/2024 14:00
Beryllium	<1.00	ug/L		1.00	1	10/15/2024 14:00
Cadmium	<0.300	ug/L		0.30	1	10/15/2024 14:00
Chromium	<1.00	ug/L		1.00	1	10/15/2024 14:00
Cobalt	<0.100	ug/L		0.10	1	10/15/2024 14:00
Copper	<0.500	ug/L		0.50	1	10/15/2024 14:00
Lead	<0.500	ug/L		0.50	1	10/15/2024 14:00
Nickel	<0.500	ug/L		0.50	1	10/15/2024 14:00
Selenium	<5.00	ug/L		5.00	1	10/15/2024 14:00
Silver	<0.100	ug/L		0.10	1	10/15/2024 14:00
Thallium	<0.500	ug/L		0.50	1	10/15/2024 14:00
Vanadium	0.233	ug/L		0.20	1	10/15/2024 14:00
Zinc	<5.00	ug/L		5.00	1	10/15/2024 14:00

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2270-3-02

Batch Number: AB-241014-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/14/2024 11:30
Calcium	55.9	mg/L		5.00	5	10/14/2024 14:05
Iron	<0.100	mg/L		0.10	1	10/14/2024 11:30
Magnesium	1.34	mg/L		1.00	1	10/14/2024 11:30
Manganese	<0.0200	mg/L		0.02	1	10/14/2024 11:30
Potassium	1.14	mg/L		1.00	1	10/14/2024 11:30
Sodium	8.59	mg/L		1.00	1	10/14/2024 11:30
Hardness	145	mg/L		1.00	1	10/14/2024 14:05
Phosphorus	<1.00	mg/L		1.00	1	10/14/2024 11:30

Analytical Results



Collector: Geological, Arkansas

Site: HF-Spr-01

Work Order Number: WO-240911-05

Sample Classification: Routine Monitoring

Project:

EVT

Matrix: Water

Collected:

9/11/2024 10:24

Sample Barcode:



Sample Number:

2024-2270

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2270-4-01

Batch Number: AB-241016-033

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/25/2024 13:31
Arsenic	<1.00	ug/L		1.00	1	10/25/2024 13:31
Barium	40.6	ug/L		1.00	1	10/25/2024 13:31
Beryllium	<1.00	ug/L		1.00	1	10/25/2024 13:31
Cadmium	<0.300	ug/L		0.30	1	10/25/2024 13:31
Chromium	<1.00	ug/L		1.00	1	10/25/2024 13:31
Cobalt	<0.100	ug/L		0.10	1	10/25/2024 13:31
Copper	<0.500	ug/L		0.50	1	10/25/2024 13:31
Lead	<0.500	ug/L		0.50	1	10/25/2024 13:31
Nickel	<0.500	ug/L		0.50	1	10/25/2024 13:31
Selenium	<5.00	ug/L		5.00	1	10/25/2024 13:31
Silver	<0.100	ug/L		0.10	1	10/25/2024 13:31
Thallium	<0.500	ug/L		0.50	1	10/25/2024 13:31
Vanadium	0.223	ug/L		0.20	1	10/25/2024 13:31
Zinc	<5.00	ug/L		5.00	1	10/25/2024 13:31

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2270-4-02

Batch Number: AB-241017-010

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/18/2024 11:54
Calcium	58.0	mg/L		5.00	5	10/18/2024 12:45
Iron	<0.100	mg/L		0.10	1	10/18/2024 11:54
Magnesium	1.39	mg/L		1.00	1	10/18/2024 11:54
Manganese	<0.0200	mg/L		0.02	1	10/18/2024 11:54
Potassium	1.16	mg/L		1.00	1	10/18/2024 11:54
Sodium	8.68	mg/L		1.00	1	10/18/2024 11:54
Phosphorus	<1.00	mg/L		1.00	1	10/18/2024 11:54

Analytical Results



Collector: Geological, Arkansas

Site: Metals Field Blank

Work Order Number: WO-240911-05

Sample Classification: Special

Project: EVT

Matrix: Water

Collected: 9/11/2024 15:54

Sample Barcode: 

Sample Number: 2024-2271

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2271-1-01

Batch Number: AB-241014-011

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	10/15/2024 14:04
Arsenic	<1.00	ug/L		1.00	1	10/15/2024 14:04
Barium	<1.00	ug/L		1.00	1	10/15/2024 14:04
Beryllium	<1.00	ug/L		1.00	1	10/15/2024 14:04
Cadmium	<0.300	ug/L		0.30	1	10/15/2024 14:04
Chromium	<1.00	ug/L		1.00	1	10/15/2024 14:04
Cobalt	<0.100	ug/L		0.10	1	10/15/2024 14:04
Copper	<0.500	ug/L		0.50	1	10/15/2024 14:04
Lead	<0.500	ug/L		0.50	1	10/15/2024 14:04
Nickel	<0.500	ug/L		0.50	1	10/15/2024 14:04
Selenium	<5.00	ug/L		5.00	1	10/15/2024 14:04
Silver	<0.100	ug/L		0.10	1	10/15/2024 14:04
Thallium	<0.500	ug/L		0.50	1	10/15/2024 14:04
Vanadium	<0.200	ug/L		0.20	1	10/15/2024 14:04
Zinc	<5.00	ug/L		5.00	1	10/15/2024 14:04

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2271-1-02

Batch Number: AB-241014-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	10/14/2024 11:32
Calcium	<1.00	mg/L		1.00	1	10/14/2024 11:32
Iron	<0.100	mg/L		0.10	1	10/14/2024 11:32
Magnesium	<1.00	mg/L		1.00	1	10/14/2024 11:32
Manganese	<0.0200	mg/L		0.02	1	10/14/2024 11:32
Potassium	<1.00	mg/L		1.00	1	10/14/2024 11:32
Sodium	<1.00	mg/L		1.00	1	10/14/2024 11:32
Hardness	<1.00	mg/L		1.00	1	10/14/2024 11:32
Phosphorus	<1.00	mg/L		1.00	1	10/14/2024 11:32

QUALITY CONTROL REPORT

Project: **EVT Routine+Metals 2024 2266-2271**

Date and Time Received: 9/11/2024 15:43:00

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Total Suspended Solids		SM 2540 D, 2020					Batch #:	AB-240911-005		Parent Sample:				
	mg/L	<2.00	2.00	103.5 /	90-110			-		/	-		-	
Total Dissolved Solids		SM 2540 C, 2020					Batch #:	AB-240911-008		Parent Sample:				
	mg/L	<10.0	10.00	105.5 /	90-110			-		/	-		-	
		SM 5310 C, 2014					Batch #:	AB-240911-011		Parent Sample:	2024-2249			
	mg/L	<1.00	1,000.00	101.8 /	85-115			-		99.4 / 102.4	80-120	2.3	-	
Anions		EPA 300.0 (Rev.2.1, 1993)					Batch #:	AB-240911-014		Parent Sample:	2024-2249			
Br	mg/L	<0.10	0.10	90.6 /	90-110			-		97.8 / 96.7	80-120	1.1	-	
Cl	mg/L	<0.50	0.50	100.2 /	90-110			-		103.2 / 102.8	80-120	0.3	-	
F	mg/L	<0.10	0.10	97.3 /	90-110			-		97.6 / 98.6	80-120	0.9	-	
SO4	mg/L	<0.50	0.50	101.5 /	90-110			-		95.1 / 94.1	80-120	0.6	-	
Alkalinity as CaCO3		EPA 310.2 (Rev. 1974)					Batch #:	AB-240912-003		Parent Sample:				
	mg/L	<6.00	6.00	102.5 /	90-110			-		/	-		-	
Ammonia as N		SM 4500-NH3 H, 2021					Batch #:	AB-240912-006		Parent Sample:	2024-2249			
	mg/L	<0.03	0.03	103.7 /	80-120			-		104.1 / 105.9	80-120	1.7	-	
Orthophosphate as P		SM 4500-P G, 2021					Batch #:	AB-240912-009		Parent Sample:	2024-2249			
	mg/L	<0.02	0.02	97.5 /	80-120			-		93.1 / 93.1	80-120	0.0	-	
Nitrate +Nitrite as N		SM 4500-NO3 F, 2019					Batch #:	AB-240912-012		Parent Sample:	2024-2249			
	mg/L	<0.05	0.05	99.2 /	80-120			-		101.3 / 103.3	80-120	1.9	-	
		SM 4500-P G, 2021					Batch #:	AB-240912-015		Parent Sample:	2024-2249			
	mg/L	<0.02	0.02	99.0 /	85-115			-		97.2 / 99.2	80-120	2.0	-	
		SM 4500-N(org) C, 2021					Batch #:	AB-240912-018		Parent Sample:	2024-2249			
	mg/L	<0.10	0.10	111.0 /	85-115			-		101.3 / 99.3	80-120	1.7	-	
Total Suspended Solids		SM 2540 D, 2020					Batch #:	AB-240916-001		Parent Sample:				
	mg/L	<2.00	2.00	106.5 /	90-110			-		/	-		-	
Total Dissolved Solids		SM 2540 C, 2020					Batch #:	AB-240916-002		Parent Sample:				
	mg/L	<10.0	10.00	104.5 /	90-110			-		/	-		-	
Turbidity		EPA 180.1					Batch #:	AB-240923-005		Parent Sample:				
	NTU	<0.05	0.05	106.6 /	90-110			-		/	-		-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Specific Conductance		EPA 120.1, 1982			Batch #:		AB-240923-008		Parent Sample:					
	uS/cm	<1.00	1.00	99.8 /	95-105		-		/	-		-		
ICP/MS Metals (Dissolved)		EPA 200.8 (Rev. 5.4, 1994)			Batch #:		AB-241001-003		Parent Sample:		2024-2249			
Ag	ug/L	<0.100	0.10	86.5 /	85-115		-		89.6 / 86.2	70-130	3.8	-		
As	ug/L	<1.00	1.00	94.8 /	85-115		-		102.5 / 97.6	70-130	4.9	-		
Ba	ug/L	<1.00	1.00	89.8 /	85-115		-		93.1 / 92.7	70-130	0.3	-		
Be	ug/L	<1.00	1.00	93.9 /	85-115		-		104.3 / 94.5	70-130	9.9	-		
Cd	ug/L	<0.300	0.30	95.3 /	85-115		-		101.8 / 96.7	70-130	5.2	-		
Co	ug/L	<0.100	0.10	89.1 /	85-115		-		91.6 / 89.6	70-130	2.1	-		
Cr	ug/L	<1.00	1.00	93.2 /	85-115		-		97.1 / 93.5	70-130	3.5	-		
Cu	ug/L	<0.500	0.50	87.0 /	85-115		-		89.9 / 87.2	70-130	3.1	-		
Ni	ug/L	<0.500	0.50	88.4 /	85-115		-		91.9 / 88.8	70-130	3.3	-		
Pb	ug/L	<0.500	0.50	99.1 /	85-115		-		100.9 / 95.5	70-130	5.4	-		
Sb	ug/L	<2.00	2.00	97.8 /	85-115		-		104.6 / 98.9	70-130	5.7	-		
Se	ug/L	<5.00	5.00	97.8 /	85-115		-		109.2 / 103.5	70-130	5.3	-		
Tl	ug/L	<0.500	0.50	94.3 /	85-115		-		96.2 / 94.6	70-130	1.7	-		
V	ug/L	<0.200	0.20	92.1 /	85-115		-		94.6 / 91.4	70-130	3.4	-		
Zn	ug/L	<5.00	5.00	99.2 /	85-115		-		104.1 / 99.8	70-130	4.1	-		
ICP/OES Metals (Dissolved)		EPA 200.7			Batch #:		AB-241002-017		Parent Sample:		2024-2249			
Al	mg/L	<0.100	0.10	97.7 /	85-115		-		101.3 / 99.5	70-131	1.8	-		
Ca	mg/L	<1.00	1.00	101.5 /	85-115		-		104.9 / 104.0	70-131	0.5	-		
Fe	mg/L	<0.100	0.10	99.9 /	85-115		-		102.8 / 101.2	70-131	1.5	-		
K	mg/L	<1.00	1.00	96.4 /	85-115		-		100.3 / 98.6	70-131	1.5	-		
Mg	mg/L	<1.00	1.00	99.9 /	85-115		-		103.5 / 101.8	70-131	1.4	-		
Mn	mg/L	<0.0200	0.02	100.9 /	85-115		-		103.8 / 101.9	70-131	1.8	-		
Na	mg/L	<1.00	1.00	100.6 /	85-115		-		104.8 / 103.3	70-131	1.2	-		
P	mg/L	<1.00	1.00	98.4 /	85-115		-		102.7 / 101.1	70-131	1.6	-		
ICP/OES Metals (Dissolved)		EPA 200.7			Batch #:		AB-241014-001		Parent Sample:		2024-2287			
Al	mg/L	<0.100	0.10	95.2 /	85-115		-		96.0 / 96.5	70-131	0.5	-		
Ca	mg/L	<1.00	1.00	98.5 /	85-115		-		98.6 / 98.8	70-131	0.2	-		
Fe	mg/L	<0.100	0.10	96.8 /	85-115		-		96.6 / 96.9	70-131	0.2	-		
K	mg/L	<1.00	1.00	95.3 /	85-115		-		95.8 / 96.5	70-131	0.5	-		
Mg	mg/L	<1.00	1.00	99.2 /	85-115		-		99.4 / 99.8	70-131	0.3	-		
Mn	mg/L	<0.0200	0.02	99.0 /	85-115		-		98.1 / 98.3	70-131	0.2	-		
Na	mg/L	<1.00	1.00	98.5 /	85-115		-		99.1 / 99.6	70-131	0.4	-		
P	mg/L	<1.00	1.00	96.7 /	85-115		-		98.2 / 98.3	70-131	0.1	-		
ICP/MS Metals (Dissolved)		EPA 200.8 (Rev. 5.4, 1994)			Batch #:		AB-241014-011		Parent Sample:		2024-2287			

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Ag	ug/L	<0.100	0.10	89.3 /	85-115		-			93.0 / 92.8	70-130	0.2	-	
As	ug/L	<1.00	1.00	99.9 /	85-115		-			102.8 / 101.7	70-130	1.1	-	
Ba	ug/L	<1.00	1.00	92.6 /	85-115		-			93.7 / 94.0	70-130	0.3	-	
Be	ug/L	<1.00	1.00	100.5 /	85-115		-			107.6 / 99.3	70-130	8.0	-	
Cd	ug/L	<0.300	0.30	99.3 /	85-115		-			100.6 / 100.7	70-130	0.1	-	
Co	ug/L	<0.100	0.10	93.5 /	85-115		-			94.9 / 92.9	70-130	2.1	-	
Cr	ug/L	<1.00	1.00	96.9 /	85-115		-			98.1 / 96.5	70-130	1.6	-	
Cu	ug/L	<0.500	0.50	91.0 /	85-115		-			92.6 / 91.8	70-130	0.8	-	
Ni	ug/L	<0.500	0.50	92.4 /	85-115		-			94.8 / 93.2	70-130	1.7	-	
Pb	ug/L	<0.500	0.50	99.3 /	85-115		-			101.6 / 100.6	70-130	0.9	-	
Sb	ug/L	<2.00	2.00	99.5 /	85-115		-			101.2 / 101.3	70-130	0.1	-	
Se	ug/L	<5.00	5.00	102.6 /	85-115		-			106.3 / 104.1	70-130	2.1	-	
Tl	ug/L	<0.500	0.50	99.0 /	85-115		-			98.4 / 97.9	70-130	0.4	-	
V	ug/L	<0.200	0.20	94.8 /	85-115		-			95.9 / 95.0	70-130	0.9	-	
Zn	ug/L	<5.00	5.00	100.0 /	85-115		-			103.5 / 102.5	70-130	0.9	-	

EPA 200.8 (Rev. 5.4, 1994)

Batch #:

AB-241016-032

Parent Sample:

2024-2229

Ag	ug/L	<0.100	0.10	95.6 /	85-115		-			102.7 / 102.8	70-130	0.1	-	
As	ug/L	<1.00	1.00	104.2 /	85-115		-			114.2 / 114.7	70-130	0.5	-	
Ba	ug/L	<1.00	1.00	100.8 /	85-115		-			106.3 / 106.1	70-130	0.1	-	
Be	ug/L	<1.00	1.00	107.4 /	85-115		-			112.6 / 114.1	70-130	1.4	-	
Cd	ug/L	<0.300	0.30	103.4 /	85-115		-			118.1 / 116.8	70-130	1.1	-	
Co	ug/L	<0.100	0.10	100.1 /	85-115		-			107.5 / 107.2	70-130	0.2	-	
Cr	ug/L	<1.00	1.00	102.9 /	85-115		-			110.8 / 110.9	70-130	0.1	-	
Cu	ug/L	<0.500	0.50	96.6 /	85-115		-			104.7 / 105.4	70-130	0.7	-	
Ni	ug/L	<0.500	0.50	98.5 /	85-115		-			106.8 / 106.2	70-130	0.5	-	
Pb	ug/L	<0.500	0.50	105.1 /	85-115		-			113.7 / 111.4	70-130	1.8	-	
Sb	ug/L	<2.00	2.00	107.7 /	85-115		-			116.3 / 117.2	70-130	0.8	-	
Se	ug/L	<5.00	5.00	104.4 /	85-115		-			121.1 / 120.3	70-130	0.7	-	
Tl	ug/L	<0.500	0.50	102.2 /	85-115		-			107.8 / 106.9	70-130	0.8	-	
V	ug/L	<0.200	0.20	99.3 /	85-115		-			106.6 / 106.3	70-130	0.3	-	
Zn	ug/L	<5.00	5.00	105.2 /	85-115		-			119.2 / 118.3	70-130	0.4	-	

EPA 200.8 (Rev. 5.4, 1994)

Batch #:

AB-241016-033

Parent Sample:

2024-2268

Ag	ug/L	<0.100	0.10	102.9 /	85-115		-			99.2 / 99.4	70-130	0.2	-	
As	ug/L	<1.00	1.00	105.9 /	85-115		-			111.4 / 111.2	70-130	0.2	-	
Ba	ug/L	<1.00	1.00	103.2 /	85-115		-			109.9 / 108.5	70-130	0.7	-	
Be	ug/L	<1.00	1.00	107.3 /	85-115		-			113.7 / 112.0	70-130	1.5	-	
Cd	ug/L	<0.300	0.30	111.9 /	85-115		-			112.1 / 112.9	70-130	0.6	-	
Co	ug/L	<0.100	0.10	106.1 /	85-115		-			99.3 / 98.6	70-130	0.7	-	
Cr	ug/L	<1.00	1.00	110.0 /	85-115		-			106.5 / 105.2	70-130	1.1	-	

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	102.4 /	85-115		-			96.7 / 95.9	70-130	0.8	-	
Ni	ug/L	<0.500	0.50	103.7 /	85-115		-			96.8 / 96.6	70-130	0.2	-	
Pb	ug/L	<0.500	0.50	113.1 /	85-115		-			112.2 / 110.4	70-130	1.6	-	
Sb	ug/L	<2.00	2.00	112.9 /	85-115		-			114.6 / 115.4	70-130	0.7	-	
Se	ug/L	<5.00	5.00	106.0 /	85-115		-			114.2 / 115.1	70-130	0.7	-	
Tl	ug/L	<0.500	0.50	107.9 /	85-115		-			111.0 / 109.0	70-130	1.9	-	
V	ug/L	<0.200	0.20	105.9 /	85-115		-			104.2 / 104.7	70-130	0.5	-	
Zn	ug/L	<5.00	5.00	110.8 /	85-115		-			108.1 / 107.9	70-130	0.2	-	

EPA 200.7

Batch #:

AB-241017-009

Parent Sample:

2024-2229

Al	mg/L	<0.100	0.10	95.8 /	85-115		-			97.7 / 96.6	70-130	1.1	-	
Ca	mg/L	<1.00	1.00	101.1 /	85-115		-			102.5 / 101.8	70-130	0.6	-	
Fe	mg/L	<0.100	0.10	99.8 /	85-115		-			100.9 / 100.2	70-130	0.6	-	
K	mg/L	<1.00	1.00	96.4 /	85-115		-			96.7 / 95.6	70-130	1.0	-	
Mg	mg/L	<1.00	1.00	101.6 /	85-115		-			102.8 / 102.3	70-130	0.5	-	
Mn	mg/L	<0.0200	0.02	101.5 /	85-115		-			102.5 / 101.6	70-130	0.6	-	
Na	mg/L	<1.00	1.00	100.7 /	85-115		-			101.6 / 100.8	70-130	0.7	-	
P	mg/L	<1.00	1.00	99.6 /	85-115		-			101.5 / 101.0	70-130	0.5	-	

EPA 200.7

Batch #:

AB-241017-010

Parent Sample:

2024-2268

Al	mg/L	<0.100	0.10	96.1 /	85-115		-			95.5 / 95.3	70-130	0.2	-	
Ca	mg/L	<1.00	1.00	101.7 /	85-115		-			91.2 / 88.8	70-130	0.3	-	
Fe	mg/L	<0.100	0.10	99.9 /	85-115		-			95.7 / 95.7	70-130	0.0	-	
K	mg/L	<1.00	1.00	96.9 /	85-115		-			94.9 / 95.6	70-130	0.6	-	
Mg	mg/L	<1.00	1.00	101.3 /	85-115		-			97.2 / 97.3	70-130	0.1	-	
Mn	mg/L	<0.0200	0.02	101.9 /	85-115		-			96.8 / 96.8	70-130	0.1	-	
Na	mg/L	<1.00	1.00	100.5 /	85-115		-			98.9 / 98.1	70-130	0.3	-	
P	mg/L	<1.00	1.00	100.4 /	85-115		-			100.6 / 100.7	70-130	0.1	-	

FIELD QUALITY CONTROL REPORT

Work Order # WO-240911-05

Parent Sample 2024-2267

Analyte(s)	Parent Sample Result	Field Dup Result	Units	% RPD	Limits	Batch Number
Aliquot #	AB-240911-005 Dup - Field 3		Parent Aliquot #	2024-2267-1-11		
Total Suspended Solids		<2.00	mg/L	0.00	0 - 5	AB-240911-005
Aliquot #	AB-240911-008 Dup - Field 3		Parent Aliquot #	2024-2267-1-10		
Total Dissolved Solids		196	mg/L	1.77	0 - 5	AB-240911-008
Aliquot #	AB-240911-011 Dup - Field 3		Parent Aliquot #	2024-2267-2-01		
Dissolved Organic Carbon		<1.00	mg/L	8.00	0 - 20	AB-240911-011
Aliquot #	AB-240911-011 Dup - Field 4		Parent Aliquot #	2024-2268-2-01		
Dissolved Organic Carbon		<1.00	mg/L	1.45	0 - 20	AB-240911-011
Aliquot #	AB-240911-014 Dup - Field 3		Parent Aliquot #	2024-2267-1-03		
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-240911-014
Chloride		10.4	mg/L	0.47	0 - 20	AB-240911-014
Bromide		<0.10	mg/L	0.00	0 - 20	AB-240911-014
Sulfate		11.4	mg/L	0.18	0 - 20	AB-240911-014
Aliquot #	AB-240911-014 Dup - Field 4		Parent Aliquot #	2024-2268-1-03		
Fluoride		0.28	mg/L	6.05	0 - 20	AB-240911-014
Chloride		13.3	mg/L	1.43	0 - 20	AB-240911-014
Bromide		<0.10	mg/L	0.00	0 - 20	AB-240911-014
Sulfate		16.0	mg/L	1.25	0 - 20	AB-240911-014
Aliquot #	AB-240912-003 Dup - Field 3		Parent Aliquot #	2024-2267-1-01		
Alkalinity		128	mg/L	0.00	0 - 20	AB-240912-003
Aliquot #	AB-240912-003 Dup - Field 4		Parent Aliquot #	2024-2268-1-01		
Alkalinity		211	mg/L	0.00	0 - 20	AB-240912-003
Aliquot #	AB-240912-006 Dup - Field 3		Parent Aliquot #	2024-2267-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-240912-006
Aliquot #	AB-240912-006 Dup - Field 4		Parent Aliquot #	2024-2268-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-240912-006
Aliquot #	AB-240912-009 Dup - Field 3		Parent Aliquot #	2024-2267-1-05		
Orthophosphate as Phosphorus		0.03	mg/L	0.00	0 - 20	AB-240912-009
Aliquot #	AB-240912-009 Dup - Field 4		Parent Aliquot #	2024-2268-1-05		
Orthophosphate as Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-240912-009
Aliquot #	AB-240912-012 Dup - Field 3		Parent Aliquot #	2024-2267-1-06		
Nitrite+Nitrate as Nitrogen		4.58	mg/L	0.87	0 - 20	AB-240912-012

Aliquot #	AB-240912-012 Dup - Field 4	Parent Aliquot #	2024-2268-1-06
Nitrite+Nitrate as Nitrogen	3.90	mg/L 1.03	0 - 20 AB-240912-012
Aliquot #	AB-240912-015 Dup - Field 3	Parent Aliquot #	2024-2267-1-15
Total Phosphorus	0.04	mg/L 5.78	0 - 20 AB-240912-015
Aliquot #	AB-240912-015 Dup - Field 4	Parent Aliquot #	2024-2268-1-15
Total Phosphorus	0.03	mg/L 1.05	0 - 20 AB-240912-015
Aliquot #	AB-240912-018 Dup - Field 3	Parent Aliquot #	2024-2267-1-14
Total Kjeldahl Nitrogen	<0.10	mg/L 0.00	0 - 20 AB-240912-018
Aliquot #	AB-240912-018 Dup - Field 4	Parent Aliquot #	2024-2268-1-14
Total Kjeldahl Nitrogen	<0.10	mg/L 0.00	0 - 20 AB-240912-018
Aliquot #	AB-240916-001 Dup - Field 1	Parent Aliquot #	2024-2268-1-11
Total Suspended Solids	<2.00	mg/L 0.00	0 - 5 AB-240916-001
Aliquot #	AB-240916-002 Dup - Field 1	Parent Aliquot #	2024-2268-1-10
Total Dissolved Solids	284	mg/L 3.62	0 - 5 AB-240916-002
Aliquot #	AB-240923-005 Dup - Field 3	Parent Aliquot #	2024-2267-1-12
Turbidity	1.37	NTU 4.48	0 - 20 AB-240923-005
Aliquot #	AB-240923-005 Dup - Field 4	Parent Aliquot #	2024-2268-1-12
Turbidity	2.76	NTU 44.25	0 - 20 AB-240923-005
Aliquot #	AB-240923-008 Dup - Field 3	Parent Aliquot #	2024-2267-1-07
Specific Conductance	328	uS/cm 0.00	0 - 20 AB-240923-008
Aliquot #	AB-240923-008 Dup - Field 4	Parent Aliquot #	2024-2268-1-07
Specific Conductance	491	uS/cm 0.20	0 - 20 AB-240923-008
Aliquot #	AB-241001-003 Dup - Field 4	Parent Aliquot #	2024-2267-3-01
Antimony	<2.00	ug/L 0.00	0 - 20 AB-241001-003
Arsenic	<1.00	ug/L 0.00	0 - 20 AB-241001-003
Barium	55.5	ug/L 0.31	0 - 20 AB-241001-003
Beryllium	<1.00	ug/L 0.00	0 - 20 AB-241001-003
Cadmium	<0.300	ug/L 0.00	0 - 20 AB-241001-003
Chromium	<1.00	ug/L 0.00	0 - 20 AB-241001-003
Cobalt	<0.100	ug/L 0.00	0 - 20 AB-241001-003
Copper	<0.500	ug/L 0.00	0 - 20 AB-241001-003
Lead	<0.500	ug/L 0.00	0 - 20 AB-241001-003
Nickel	<0.500	ug/L 0.00	0 - 20 AB-241001-003
Selenium	<5.00	ug/L 0.00	0 - 20 AB-241001-003
Silver	<0.100	ug/L 0.00	0 - 20 AB-241001-003
Thallium	<0.500	ug/L 0.00	0 - 20 AB-241001-003
Vanadium	0.555	ug/L 12.10	0 - 20 AB-241001-003
Zinc	<5.00	ug/L 0.00	0 - 20 AB-241001-003
Aliquot #	AB-241001-003 Dup - Field 5	Parent Aliquot #	2024-2268-3-01

Antimony	<2.00	ug/L	0.00	0 - 20	AB-241001-003
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-241001-003
Barium	44.9	ug/L	1.22	0 - 20	AB-241001-003
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-241001-003
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-241001-003
Chromium	<1.00	ug/L	0.00	0 - 20	AB-241001-003
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-241001-003
Copper	<0.500	ug/L	0.00	0 - 20	AB-241001-003
Lead	<0.500	ug/L	0.00	0 - 20	AB-241001-003
Nickel	0.532	ug/L	2.32	0 - 20	AB-241001-003
Selenium	<5.00	ug/L	0.00	0 - 20	AB-241001-003
Silver	<0.100	ug/L	0.00	0 - 20	AB-241001-003
Thallium	<0.500	ug/L	0.00	0 - 20	AB-241001-003
Vanadium	0.300	ug/L	6.60	0 - 20	AB-241001-003
Zinc	5.90	ug/L	7.55	0 - 20	AB-241001-003

Aliquot #	AB-241002-017 Dup - Field 4	Parent Aliquot #	2024-2267-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-241002-017
Calcium	53.4	mg/L	0.31	0 - 20	AB-241002-017
Iron	<0.100	mg/L	0.00	0 - 20	AB-241002-017
Magnesium	2.01	mg/L	0.17	0 - 20	AB-241002-017
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-241002-017
Potassium	2.16	mg/L	0.05	0 - 20	AB-241002-017
Sodium	10.3	mg/L	0.32	0 - 20	AB-241002-017
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-241002-017

Aliquot #	AB-241002-017 Dup - Field 5	Parent Aliquot #	2024-2268-3-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-241002-017
Calcium	82.6	mg/L	0.38	0 - 20	AB-241002-017
Iron	<0.100	mg/L	0.00	0 - 20	AB-241002-017
Magnesium	2.29	mg/L	0.10	0 - 20	AB-241002-017
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-241002-017
Potassium	1.95	mg/L	0.45	0 - 20	AB-241002-017
Sodium	17.7	mg/L	3.43	0 - 20	AB-241002-017
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-241002-017

Aliquot #	AB-241008-019 Dup - Field 1	Parent Aliquot #	2024-2268-1-08		
pH	6.78	units	0.00	0 - 20	AB-241008-019

Aliquot #	AB-241008-020 Dup - Field 1	Parent Aliquot #	2024-2268-1-09		
Water Temperature	16.9	°C	0.00	0 - 20	AB-241008-020

Aliquot #	AB-241016-032 Dup - Field 4	Parent Aliquot #	2024-2267-4-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-241016-032
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-241016-032
Barium	62.8	ug/L	1.43	0 - 20	AB-241016-032
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-241016-032
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-241016-032

Chromium	<1.00	ug/L	0.00	0 - 20	AB-241016-032
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-241016-032
Copper	<0.500	ug/L	0.00	0 - 20	AB-241016-032
Lead	<0.500	ug/L	0.00	0 - 20	AB-241016-032
Nickel	<0.500	ug/L	0.00	0 - 20	AB-241016-032
Selenium	<5.00	ug/L	0.00	0 - 20	AB-241016-032
Silver	<0.100	ug/L	0.00	0 - 20	AB-241016-032
Thallium	<0.500	ug/L	0.00	0 - 20	AB-241016-032
Vanadium	0.574	ug/L	10.91	0 - 20	AB-241016-032
Zinc	<5.00	ug/L	0.00	0 - 20	AB-241016-032

Aliquot #	AB-241016-033 Dup - Field 1	Parent Aliquot #	2024-2268-4-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-241016-033
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-241016-033
Barium	52.9	ug/L	3.30	0 - 20	AB-241016-033
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-241016-033
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-241016-033
Chromium	<1.00	ug/L	0.00	0 - 20	AB-241016-033
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-241016-033
Copper	<0.500	ug/L	0.00	0 - 20	AB-241016-033
Lead	<0.500	ug/L	0.00	0 - 20	AB-241016-033
Nickel	0.743	ug/L	10.96	0 - 20	AB-241016-033
Selenium	<5.00	ug/L	0.00	0 - 20	AB-241016-033
Silver	<0.100	ug/L	0.00	0 - 20	AB-241016-033
Thallium	<0.500	ug/L	0.00	0 - 20	AB-241016-033
Vanadium	0.353	ug/L	15.00	0 - 20	AB-241016-033
Zinc	6.74	ug/L	20.86	0 - 20	AB-241016-033

Aliquot #	AB-241017-009 Dup - Field 4	Parent Aliquot #	2024-2267-4-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-241017-009
Calcium	52.5	mg/L	1.48	0 - 20	AB-241017-009
Iron	<0.100	mg/L	0.00	0 - 20	AB-241017-009
Magnesium	2.03	mg/L	1.24	0 - 20	AB-241017-009
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-241017-009
Potassium	2.22	mg/L	2.54	0 - 20	AB-241017-009
Sodium	10.2	mg/L	0.44	0 - 20	AB-241017-009
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-241017-009

Aliquot #	AB-241017-010 Dup - Field 1	Parent Aliquot #	2024-2268-4-02		
Aluminum	0.102	mg/L	8.13	0 - 20	AB-241017-010
Calcium	82.8	mg/L	0.80	0 - 20	AB-241017-010
Iron	<0.100	mg/L	0.00	0 - 20	AB-241017-010
Magnesium	2.32	mg/L	0.61	0 - 20	AB-241017-010
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-241017-010
Potassium	2.02	mg/L	2.81	0 - 20	AB-241017-010
Sodium	17.4	mg/L	4.31	0 - 20	AB-241017-010
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-241017-010