

Analytical Results



Lab Contact Info:

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Collector: Geological, Arkansas

Project: EVT

Project Description: Eco Vista Tontitown project Routine+Metals 2024 2471-2744

Date and Time Received: 10/2/2024 15:16:00

Work Order Number: WO-241002-02

Sample Receipt Conditions:

Condition	Response	Comment
Is the COC completed properly?	Yes	
Temperature on Receipt	3.9°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: LWC-02 **Work Order Number: WO-241002-02**

Sample Classification: Routine Monitoring Project: EVT
 Matrix: Water Collected: 10/1/2024 15:34
 Sample Barcode: Sample Number: 2024-2471

Alkalinity as CaCO3 Method: EPA 310.2 (Rev. 1974) Analyst: JR
 Aliquot #: 2024-2471-1-01 Batch Number: AB-241002-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	125	mg/L		6.00	1	10/3/2024 14:43

Ammonia as N Method: SM 4500-NH3 H, 2021 Analyst: JR
 Aliquot #: 2024-2471-1-02 Batch Number: AB-241002-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	10/3/2024 10:03

Anions Method: EPA 300.0 (Rev.2.1, 1993) Analyst:
 Aliquot #: 2024-2471-1-03 Batch Number: AB-241002-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	10/2/2024 21:21
Chloride	9.30	mg/L		0.50	1	10/2/2024 21:21
Bromide	<0.10	mg/L		0.10	1	10/2/2024 21:21
Sulfate	10.7	mg/L		0.50	1	10/2/2024 21:21

Orthophosphate as P Method: SM 4500-P G, 2021 Analyst: JR
 Aliquot #: 2024-2471-1-05 Batch Number: AB-241002-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.024	mg/L		0.02	1	10/3/2024 10:03

Analytical Results



Collector: Geological, Arkansas

Site: LWC-02

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 15:34

Sample Barcode: 

Sample Number: 2024-2471

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: JR

Aliquot #: 2024-2471-1-06

Batch Number: AB-241002-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	3.80	mg/L		0.05	1	10/3/2024 10:03

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2471-1-07

Batch Number: AB-241014-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	304	uS/cm		1.00	1	10/2/2024 17:49

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2471-1-08

Batch Number: AB-241017-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	8.64	None			1	10/1/2024 15:34

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2471-1-09

Batch Number: AB-241017-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	21.0	°C			1	10/1/2024 15:34

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2471-1-10

Batch Number: AB-241003-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	178	mg/L		10.00	1	10/2/2024 16:00

Analytical Results



Collector: Geological, Arkansas

Site: LWC-02

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 15:34

Sample Barcode: 

Sample Number: 2024-2471

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2471-1-11

Batch Number: AB-241003-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	10/2/2024 15:30

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2471-1-12

Batch Number: AB-241014-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.94	NTU		0.05	1	10/2/2024 17:49

Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-2471-1-14

Batch Number: AB-241002-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	10/4/2024 8:38
Total Nitrogen from Lachat	3.74	mg/L		0.10	1	10/4/2024 8:38

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2471-1-15

Batch Number: AB-241002-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.04	mg/L		0.02	1	10/4/2024 8:38

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2471-2-01

Batch Number: AB-241002-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	10/3/2024 16:22

Analytical Results



Collector: Geological, Arkansas

Site: LWC-02

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 15:34

Sample Barcode: 

Sample Number: 2024-2471

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2471-3-01

Batch Number: AB-241105-004

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/12/2024	11:03
Arsenic	<1.00	ug/L		1.00	1	11/12/2024	11:03
Barium	58.5	ug/L		1.00	1	11/12/2024	11:03
Beryllium	<1.00	ug/L		1.00	1	11/12/2024	11:03
Cadmium	<0.300	ug/L		0.30	1	11/12/2024	11:03
Chromium	<1.00	ug/L		1.00	1	11/12/2024	11:03
Cobalt	<0.100	ug/L		0.10	1	11/12/2024	11:03
Copper	<0.500	ug/L		0.50	1	11/12/2024	11:03
Lead	<0.500	ug/L		0.50	1	11/12/2024	11:03
Nickel	<0.500	ug/L		0.50	1	11/12/2024	11:03
Selenium	<5.00	ug/L		5.00	1	11/12/2024	11:03
Silver	<0.100	ug/L		0.10	1	11/12/2024	11:03
Thallium	<0.500	ug/L		0.50	1	11/12/2024	11:03
Vanadium	0.521	ug/L		0.20	1	11/12/2024	11:03
Zinc	<5.00	ug/L		5.00	1	11/12/2024	11:03

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2471-3-02

Batch Number: AB-241104-003

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/4/2024	14:07
Calcium	46.9	mg/L		1.00	1	11/4/2024	14:07
Iron	<0.100	mg/L		0.10	1	11/4/2024	14:07
Magnesium	1.83	mg/L		1.00	1	11/4/2024	14:07
Manganese	<0.0200	mg/L		0.02	1	11/4/2024	14:07
Potassium	2.00	mg/L		1.00	1	11/4/2024	14:07
Sodium	8.54	mg/L		1.00	1	11/4/2024	14:07
Hardness	125	mg/L		1.00	1	11/4/2024	14:07
Phosphorus	<1.00	mg/L		1.00	1	11/4/2024	14:07

Analytical Results



Collector: Geological, Arkansas

Site: LWC-02

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 15:34

Sample Barcode: 

Sample Number: 2024-2471

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2471-4-01

Batch Number: AB-241114-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/18/2024	11:40
Arsenic	<1.00	ug/L		1.00	1	11/18/2024	11:40
Barium	53.7	ug/L		1.00	1	11/18/2024	11:40
Beryllium	<1.00	ug/L		1.00	1	11/18/2024	11:40
Cadmium	<0.300	ug/L		0.30	1	11/18/2024	11:40
Chromium	<1.00	ug/L		1.00	1	11/18/2024	11:40
Cobalt	<0.100	ug/L		0.10	1	11/18/2024	11:40
Copper	<0.500	ug/L		0.50	1	11/18/2024	11:40
Lead	<0.500	ug/L		0.50	1	11/18/2024	11:40
Nickel	<0.500	ug/L		0.50	1	11/18/2024	11:40
Selenium	<5.00	ug/L		5.00	1	11/18/2024	11:40
Silver	<0.100	ug/L		0.10	1	11/18/2024	11:40
Thallium	<0.500	ug/L		0.50	1	11/18/2024	11:40
Vanadium	0.530	ug/L		0.20	1	11/18/2024	11:40
Zinc	<5.00	ug/L		5.00	1	11/18/2024	11:40

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2471-4-02

Batch Number: AB-241118-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/18/2024	10:40
Calcium	52.4	mg/L		5.00	5	11/18/2024	11:17
Iron	<0.100	mg/L		0.10	1	11/18/2024	10:40
Magnesium	1.95	mg/L		1.00	1	11/18/2024	10:40
Manganese	<0.0200	mg/L		0.02	1	11/18/2024	10:40
Potassium	2.18	mg/L		1.00	1	11/18/2024	10:40
Sodium	9.27	mg/L		1.00	1	11/18/2024	10:40
Phosphorus	<1.00	mg/L		1.00	1	11/18/2024	10:40

Analytical Results



Collector: Geological, Arkansas

Site: CW-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 16:32

Sample Barcode: 

Sample Number: 2024-2472

Alkalinity as CaCO3

Method: EPA 310.2 (Rev. 1974)

Analyst: JR

Aliquot #: 2024-2472-1-01

Batch Number: AB-241002-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	142	mg/L		6.00	1	10/3/2024 14:44

Ammonia as N

Method: SM 4500-NH3 H, 2021

Analyst: JR

Aliquot #: 2024-2472-1-02

Batch Number: AB-241002-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	10/3/2024 10:04

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst:

Aliquot #: 2024-2472-1-03

Batch Number: AB-241002-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	10/2/2024 21:29
Chloride	29.3	mg/L		0.50	1	10/2/2024 21:29
Bromide	0.42	mg/L		0.10	1	10/2/2024 21:29
Sulfate	10.9	mg/L		0.50	1	10/2/2024 21:29

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2472-1-05

Batch Number: AB-241002-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	10/3/2024 10:04

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: JR

Aliquot #: 2024-2472-1-06

Batch Number: AB-241002-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	6.85	mg/L		0.25	5	10/3/2024 10:17

Analytical Results



Collector: Geological, Arkansas

Site: CW-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 16:32

Sample Barcode: 

Sample Number: 2024-2472

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2472-1-07

Batch Number: AB-241014-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	409	uS/cm		1.00	1	10/2/2024 17:50

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2472-1-08

Batch Number: AB-241017-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	8.83	None			1	10/1/2024 16:32

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2472-1-09

Batch Number: AB-241017-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	16.3	°C			1	10/1/2024 16:32

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2472-1-10

Batch Number: AB-241003-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	264	mg/L		10.00	1	10/2/2024 16:00

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2472-1-11

Batch Number: AB-241003-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	8.50	mg/L		2.00	1	10/2/2024 15:30

Analytical Results



Collector: Geological, Arkansas

Site: CW-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 16:32

Sample Barcode: 

Sample Number: 2024-2472

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2472-1-12

Batch Number: AB-241014-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	4.33	NTU		0.05	1	10/2/2024 17:50

Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-2472-1-14

Batch Number: AB-241002-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	10/4/2024 8:41
Total Nitrogen from Lachat	6.65	mg/L		0.50	5	10/4/2024 8:41

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2472-1-15

Batch Number: AB-241002-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.02	mg/L		0.02	1	10/4/2024 8:42

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2472-2-01

Batch Number: AB-241002-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	10/3/2024 16:37

Analytical Results



Collector: Geological, Arkansas

Site: CW-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 16:32

Sample Barcode: 

Sample Number: 2024-2472

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2472-3-01

Batch Number: AB-241105-004

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/12/2024	11:07
Arsenic	<1.00	ug/L		1.00	1	11/12/2024	11:07
Barium	64.9	ug/L		1.00	1	11/12/2024	11:07
Beryllium	<1.00	ug/L		1.00	1	11/12/2024	11:07
Cadmium	<0.300	ug/L		0.30	1	11/12/2024	11:07
Chromium	<1.00	ug/L		1.00	1	11/12/2024	11:07
Cobalt	<0.100	ug/L		0.10	1	11/12/2024	11:07
Copper	<0.500	ug/L		0.50	1	11/12/2024	11:07
Lead	<0.500	ug/L		0.50	1	11/12/2024	11:07
Nickel	<0.500	ug/L		0.50	1	11/12/2024	11:07
Selenium	<5.00	ug/L		5.00	1	11/12/2024	11:07
Silver	<0.100	ug/L		0.10	1	11/12/2024	11:07
Thallium	<0.500	ug/L		0.50	1	11/12/2024	11:07
Vanadium	<0.200	ug/L		0.20	1	11/12/2024	11:07
Zinc	6.75	ug/L		5.00	1	11/12/2024	11:07

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2472-3-02

Batch Number: AB-241104-003

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/4/2024	14:09
Calcium	62.8	mg/L		5.00	5	11/4/2024	14:52
Iron	<0.100	mg/L		0.10	1	11/4/2024	14:09
Magnesium	1.88	mg/L		1.00	1	11/4/2024	14:09
Manganese	<0.0200	mg/L		0.02	1	11/4/2024	14:09
Potassium	<1.00	mg/L		1.00	1	11/4/2024	14:09
Sodium	15.1	mg/L		1.00	1	11/4/2024	14:09
Hardness	165	mg/L		1.00	1	11/4/2024	14:52
Phosphorus	<1.00	mg/L		1.00	1	11/4/2024	14:09

Analytical Results



Collector: Geological, Arkansas

Site: CW-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 16:32

Sample Barcode: 

Sample Number: 2024-2472

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2472-4-01

Batch Number: AB-241114-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/18/2024	11:44
Arsenic	<1.00	ug/L		1.00	1	11/18/2024	11:44
Barium	62.7	ug/L		1.00	1	11/18/2024	11:44
Beryllium	<1.00	ug/L		1.00	1	11/18/2024	11:44
Cadmium	<0.300	ug/L		0.30	1	11/18/2024	11:44
Chromium	<1.00	ug/L		1.00	1	11/18/2024	11:44
Cobalt	<0.100	ug/L		0.10	1	11/18/2024	11:44
Copper	<0.500	ug/L		0.50	1	11/18/2024	11:44
Lead	<0.500	ug/L		0.50	1	11/18/2024	11:44
Nickel	0.632	ug/L		0.50	1	11/18/2024	11:44
Selenium	<5.00	ug/L		5.00	1	11/18/2024	11:44
Silver	<0.100	ug/L		0.10	1	11/18/2024	11:44
Thallium	<0.500	ug/L		0.50	1	11/18/2024	11:44
Vanadium	0.262	ug/L		0.20	1	11/18/2024	11:44
Zinc	7.44	ug/L		5.00	1	11/18/2024	11:44

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2472-4-02

Batch Number: AB-241118-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/18/2024	10:42
Calcium	69.3	mg/L		5.00	5	11/18/2024	11:19
Iron	<0.100	mg/L		0.10	1	11/18/2024	10:42
Magnesium	2.00	mg/L		1.00	1	11/18/2024	10:42
Manganese	<0.0200	mg/L		0.02	1	11/18/2024	10:42
Potassium	1.06	mg/L		1.00	1	11/18/2024	10:42
Sodium	16.3	mg/L		1.00	1	11/18/2024	10:42
Phosphorus	<1.00	mg/L		1.00	1	11/18/2024	10:42

Analytical Results



Collector: Geological, Arkansas Site: HM-SPR-01 Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 17:16

Sample Barcode: 

Sample Number: 2024-2473

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

Aliquot #: 2024-2473-1-01 Batch Number: AB-241002-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	145	mg/L		6.00	1	10/3/2024 14:48

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

Aliquot #: 2024-2473-1-02 Batch Number: AB-241002-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	10/3/2024 10:07

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

Aliquot #: 2024-2473-1-03 Batch Number: AB-241002-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	10/2/2024 21:37
Chloride	9.43	mg/L		0.50	1	10/2/2024 21:37
Bromide	<0.10	mg/L		0.10	1	10/2/2024 21:37
Sulfate	12.2	mg/L		0.50	1	10/2/2024 21:37

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

Aliquot #: 2024-2473-1-05 Batch Number: AB-241002-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.022	mg/L		0.02	1	10/3/2024 10:07

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

Aliquot #: 2024-2473-1-06 Batch Number: AB-241002-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	6.40	mg/L		0.25	5	10/3/2024 10:18

Analytical Results



Collector: Geological, Arkansas

Site: HM-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 17:16

Sample Barcode: 

Sample Number: 2024-2473

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2473-1-07

Batch Number: AB-241014-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	360	uS/cm		1.00	1	10/2/2024 17:51

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2473-1-08

Batch Number: AB-241017-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	8.81	None			1	10/1/2024 17:16

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2473-1-09

Batch Number: AB-241017-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	17.6	°C			1	10/1/2024 17:16

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2473-1-10

Batch Number: AB-241003-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	216	mg/L		10.00	1	10/2/2024 16:00

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2473-1-11

Batch Number: AB-241003-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	3.00	mg/L		2.00	1	10/2/2024 15:30

Analytical Results



Collector: Geological, Arkansas

Site: HM-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 17:16

Sample Barcode: 

Sample Number: 2024-2473

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2473-1-12

Batch Number: AB-241014-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	1.98	NTU		0.05	1	10/2/2024 17:51

Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-2473-1-14

Batch Number: AB-241002-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	10/4/2024 8:43
Total Nitrogen from Lachat	5.85	mg/L		0.50	5	10/4/2024 8:43

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2473-1-15

Batch Number: AB-241002-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.05	mg/L		0.02	1	10/4/2024 8:45

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2473-2-01

Batch Number: AB-241002-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	10/3/2024 16:51

Analytical Results



Collector: Geological, Arkansas

Site: HM-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 17:16

Sample Barcode: 

Sample Number: 2024-2473

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2473-3-01

Batch Number: AB-241105-004

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/12/2024	11:11
Arsenic	<1.00	ug/L		1.00	1	11/12/2024	11:11
Barium	49.7	ug/L		1.00	1	11/12/2024	11:11
Beryllium	<1.00	ug/L		1.00	1	11/12/2024	11:11
Cadmium	<0.300	ug/L		0.30	1	11/12/2024	11:11
Chromium	<1.00	ug/L	R	1.00	1	11/12/2024	11:11
Cobalt	<0.100	ug/L		0.10	1	11/12/2024	11:11
Copper	<0.500	ug/L		0.50	1	11/12/2024	11:11
Lead	<0.500	ug/L		0.50	1	11/12/2024	11:11
Nickel	<0.500	ug/L	R	0.50	1	11/12/2024	11:11
Selenium	<5.00	ug/L		5.00	1	11/12/2024	11:11
Silver	<0.100	ug/L		0.10	1	11/12/2024	11:11
Thallium	<0.500	ug/L		0.50	1	11/12/2024	11:11
Vanadium	0.217	ug/L		0.20	1	11/12/2024	11:11
Zinc	<5.00	ug/L		5.00	1	11/12/2024	11:11

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2473-3-02

Batch Number: AB-241104-003

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/4/2024	14:10
Calcium	58.4	mg/L		5.00	5	11/4/2024	14:57
Iron	<0.100	mg/L		0.10	1	11/4/2024	14:10
Magnesium	1.47	mg/L		1.00	1	11/4/2024	14:10
Manganese	<0.0200	mg/L		0.02	1	11/4/2024	14:10
Potassium	1.12	mg/L		1.00	1	11/4/2024	14:10
Sodium	10.7	mg/L		1.00	1	11/4/2024	14:10
Hardness	152	mg/L		1.00	1	11/4/2024	14:57
Phosphorus	<1.00	mg/L		1.00	1	11/4/2024	14:10

Analytical Results



Collector: Geological, Arkansas

Site: HM-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/1/2024 17:16

Sample Barcode: 

Sample Number: 2024-2473

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2473-4-01

Batch Number: AB-241114-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/18/2024	11:48
Arsenic	<1.00	ug/L		1.00	1	11/18/2024	11:48
Barium	47.3	ug/L		1.00	1	11/18/2024	11:48
Beryllium	<1.00	ug/L		1.00	1	11/18/2024	11:48
Cadmium	<0.300	ug/L		0.30	1	11/18/2024	11:48
Chromium	<1.00	ug/L		1.00	1	11/18/2024	11:48
Cobalt	<0.100	ug/L		0.10	1	11/18/2024	11:48
Copper	<0.500	ug/L		0.50	1	11/18/2024	11:48
Lead	<0.500	ug/L		0.50	1	11/18/2024	11:48
Nickel	<0.500	ug/L		0.50	1	11/18/2024	11:48
Selenium	<5.00	ug/L		5.00	1	11/18/2024	11:48
Silver	<0.100	ug/L		0.10	1	11/18/2024	11:48
Thallium	<0.500	ug/L		0.50	1	11/18/2024	11:48
Vanadium	0.265	ug/L		0.20	1	11/18/2024	11:48
Zinc	<5.00	ug/L		5.00	1	11/18/2024	11:48

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2473-4-02

Batch Number: AB-241118-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/18/2024	10:43
Calcium	64.9	mg/L		5.00	5	11/18/2024	11:20
Iron	<0.100	mg/L		0.10	1	11/18/2024	10:43
Magnesium	1.57	mg/L		1.00	1	11/18/2024	10:43
Manganese	<0.0200	mg/L		0.02	1	11/18/2024	10:43
Potassium	1.19	mg/L		1.00	1	11/18/2024	10:43
Sodium	11.6	mg/L		1.00	1	11/18/2024	10:43
Phosphorus	<1.00	mg/L		1.00	1	11/18/2024	10:43

Analytical Results



Collector: Geological, Arkansas Site: WT-SPR-01 Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:10

Sample Barcode: 

Sample Number: 2024-2474

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

Aliquot #: 2024-2474-1-01 Batch Number: AB-241002-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	141	mg/L		6.00	1	10/3/2024 14:50

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

Aliquot #: 2024-2474-1-02 Batch Number: AB-241002-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	10/3/2024 10:10

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

Aliquot #: 2024-2474-1-03 Batch Number: AB-241002-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	10/2/2024 22:09
Chloride	24.3	mg/L		0.50	1	10/2/2024 22:09
Bromide	0.24	mg/L		0.10	1	10/2/2024 22:09
Sulfate	11.6	mg/L		0.50	1	10/2/2024 22:09

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

Aliquot #: 2024-2474-1-05 Batch Number: AB-241002-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.035	mg/L		0.02	1	10/3/2024 10:10

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

Aliquot #: 2024-2474-1-06 Batch Number: AB-241002-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	9.70	mg/L		0.25	5	10/3/2024 10:20

Analytical Results



Collector: Geological, Arkansas

Site: WT-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:10

Sample Barcode: 

Sample Number: 2024-2474

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2474-1-07

Batch Number: AB-241014-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	426	uS/cm		1.00	1	10/2/2024 17:52

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2474-1-08

Batch Number: AB-241017-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	9.05	None			1	10/2/2024 9:10

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2474-1-09

Batch Number: AB-241017-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	15.2	°C			1	10/2/2024 9:10

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2474-1-10

Batch Number: AB-241003-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	266	mg/L		10.00	1	10/2/2024 16:00

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2474-1-11

Batch Number: AB-241003-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	10.8	mg/L		2.00	1	10/2/2024 15:30

Analytical Results



Collector: Geological, Arkansas

Site: WT-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:10

Sample Barcode: 

Sample Number: 2024-2474

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2474-1-12

Batch Number: AB-241014-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	6.97	NTU		0.05	1	10/2/2024 17:52

Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-2474-1-14

Batch Number: AB-241002-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	10/4/2024 8:48
Total Nitrogen from Lachat	8.70	mg/L		0.50	5	10/4/2024 8:48

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2474-1-15

Batch Number: AB-241002-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.06	mg/L		0.02	1	10/4/2024 8:49

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2474-2-01

Batch Number: AB-241002-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	10/3/2024 17:20

Analytical Results



Collector: Geological, Arkansas

Site: WT-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:10

Sample Barcode: 

Sample Number: 2024-2474

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2474-3-01

Batch Number: AB-241105-004

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/12/2024	11:20
Arsenic	<1.00	ug/L		1.00	1	11/12/2024	11:20
Barium	50.5	ug/L		1.00	1	11/12/2024	11:20
Beryllium	<1.00	ug/L		1.00	1	11/12/2024	11:20
Cadmium	<0.300	ug/L		0.30	1	11/12/2024	11:20
Chromium	<1.00	ug/L		1.00	1	11/12/2024	11:20
Cobalt	<0.100	ug/L		0.10	1	11/12/2024	11:20
Copper	<0.500	ug/L		0.50	1	11/12/2024	11:20
Lead	<0.500	ug/L		0.50	1	11/12/2024	11:20
Nickel	<0.500	ug/L		0.50	1	11/12/2024	11:20
Selenium	<5.00	ug/L		5.00	1	11/12/2024	11:20
Silver	<0.100	ug/L		0.10	1	11/12/2024	11:20
Thallium	<0.500	ug/L		0.50	1	11/12/2024	11:20
Vanadium	0.317	ug/L		0.20	1	11/12/2024	11:20
Zinc	<5.00	ug/L		5.00	1	11/12/2024	11:20

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2474-3-02

Batch Number: AB-241104-003

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/4/2024	14:14
Calcium	59.8	mg/L		5.00	5	11/4/2024	15:00
Iron	<0.100	mg/L		0.10	1	11/4/2024	14:14
Magnesium	2.08	mg/L		1.00	1	11/4/2024	14:14
Manganese	<0.0200	mg/L		0.02	1	11/4/2024	14:14
Potassium	1.77	mg/L		1.00	1	11/4/2024	14:14
Sodium	18.7	mg/L		1.00	1	11/4/2024	14:14
Hardness	158	mg/L		1.00	1	11/4/2024	15:00
Phosphorus	<1.00	mg/L		1.00	1	11/4/2024	14:14

Analytical Results



Collector: Geological, Arkansas

Site: WT-SPR-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:10

Sample Barcode: 

Sample Number: 2024-2474

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2474-4-01

Batch Number: AB-241114-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/18/2024	11:56
Arsenic	<1.00	ug/L		1.00	1	11/18/2024	11:56
Barium	48.7	ug/L		1.00	1	11/18/2024	11:56
Beryllium	<1.00	ug/L		1.00	1	11/18/2024	11:56
Cadmium	<0.300	ug/L		0.30	1	11/18/2024	11:56
Chromium	<1.00	ug/L		1.00	1	11/18/2024	11:56
Cobalt	<0.100	ug/L		0.10	1	11/18/2024	11:56
Copper	<0.500	ug/L		0.50	1	11/18/2024	11:56
Lead	<0.500	ug/L		0.50	1	11/18/2024	11:56
Nickel	<0.500	ug/L		0.50	1	11/18/2024	11:56
Selenium	<5.00	ug/L		5.00	1	11/18/2024	11:56
Silver	<0.100	ug/L		0.10	1	11/18/2024	11:56
Thallium	<0.500	ug/L		0.50	1	11/18/2024	11:56
Vanadium	0.321	ug/L		0.20	1	11/18/2024	11:56
Zinc	<5.00	ug/L		5.00	1	11/18/2024	11:56

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2474-4-02

Batch Number: AB-241118-005

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/18/2024	10:47
Calcium	64.9	mg/L		5.00	5	11/18/2024	11:24
Iron	<0.100	mg/L		0.10	1	11/18/2024	10:47
Magnesium	2.20	mg/L		1.00	1	11/18/2024	10:47
Manganese	<0.0200	mg/L		0.02	1	11/18/2024	10:47
Potassium	1.83	mg/L		1.00	1	11/18/2024	10:47
Sodium	20.0	mg/L		1.00	1	11/18/2024	10:47
Phosphorus	<1.00	mg/L		1.00	1	11/18/2024	10:47

Analytical Results



Collector: Geological, Arkansas Site: WC-01 Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:45

Sample Barcode: 

Sample Number: 2024-2475

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

Aliquot #: 2024-2475-1-01 Batch Number: AB-241002-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	142	mg/L		6.00	1	10/3/2024 14:51

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

Aliquot #: 2024-2475-1-02 Batch Number: AB-241002-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	10/3/2024 10:11

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

Aliquot #: 2024-2475-1-03 Batch Number: AB-241002-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	10/2/2024 22:18
Chloride	10.5	mg/L		0.50	1	10/2/2024 22:18
Bromide	<0.10	mg/L		0.10	1	10/2/2024 22:18
Sulfate	11.3	mg/L		0.50	1	10/2/2024 22:18

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

Aliquot #: 2024-2475-1-05 Batch Number: AB-241002-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	0.033	mg/L		0.02	1	10/3/2024 10:11

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

Aliquot #: 2024-2475-1-06 Batch Number: AB-241002-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	4.42	mg/L		0.05	1	10/3/2024 10:11

Analytical Results



Collector: Geological, Arkansas Site: WC-01 Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:45

Sample Barcode: 

Sample Number: 2024-2475

Specific Conductance Method: EPA 120.1, 1982 Analyst:

Aliquot #: 2024-2475-1-07 Batch Number: AB-241014-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	340	uS/cm		1.00	1	10/2/2024 17:53

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

Aliquot #: 2024-2475-1-08 Batch Number: AB-241017-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	8.68	None			1	10/2/2024 9:45

Water Temperature Method: SM 2550 B, 2000 Analyst: AGS

Aliquot #: 2024-2475-1-09 Batch Number: AB-241017-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	16.3	°C	R		1	10/2/2024 9:45

Total Dissolved Solids Method: SM 2540 C, 2020 Analyst: SD

Aliquot #: 2024-2475-1-10 Batch Number: AB-241003-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	202	mg/L		10.00	1	10/2/2024 16:00

Total Suspended Solids Method: SM 2540 D, 2020 Analyst: SD

Aliquot #: 2024-2475-1-11 Batch Number: AB-241003-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	10/2/2024 15:30

Analytical Results



Collector: Geological, Arkansas Site: WC-01 Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:45

Sample Barcode: 

Sample Number: 2024-2475

Turbidity Method: EPA 180.1 Analyst:

Aliquot #: 2024-2475-1-12 Batch Number: AB-241014-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.57	NTU		0.05	1	10/2/2024 17:53

Total Kjeldahl Nitrogen as N Method: SM 4500-N(org) C, 2021 Analyst: JR

Aliquot #: 2024-2475-1-14 Batch Number: AB-241002-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	10/4/2024 8:50
Total Nitrogen from Lachat	4.20	mg/L		0.10	1	10/4/2024 8:50

Total Phosphorus as P Method: SM 4500-P G, 2021 Analyst: JR

Aliquot #: 2024-2475-1-15 Batch Number: AB-241002-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.05	mg/L		0.02	1	10/4/2024 8:50

Dissolved Organic Carbon Method: SM 5310 C, 2014 Analyst: SD

Aliquot #: 2024-2475-2-01 Batch Number: AB-241002-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	10/3/2024 18:04

Analytical Results



Collector: Geological, Arkansas

Site: WC-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:45

Sample Barcode: 

Sample Number: 2024-2475

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2475-3-01

Batch Number: AB-241105-004

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/12/2024	11:24
Arsenic	<1.00	ug/L		1.00	1	11/12/2024	11:24
Barium	57.9	ug/L		1.00	1	11/12/2024	11:24
Beryllium	<1.00	ug/L		1.00	1	11/12/2024	11:24
Cadmium	<0.300	ug/L		0.30	1	11/12/2024	11:24
Chromium	<1.00	ug/L		1.00	1	11/12/2024	11:24
Cobalt	<0.100	ug/L		0.10	1	11/12/2024	11:24
Copper	<0.500	ug/L		0.50	1	11/12/2024	11:24
Lead	<0.500	ug/L		0.50	1	11/12/2024	11:24
Nickel	<0.500	ug/L		0.50	1	11/12/2024	11:24
Selenium	<5.00	ug/L		5.00	1	11/12/2024	11:24
Silver	<0.100	ug/L		0.10	1	11/12/2024	11:24
Thallium	<0.500	ug/L		0.50	1	11/12/2024	11:24
Vanadium	0.511	ug/L		0.20	1	11/12/2024	11:24
Zinc	<5.00	ug/L		5.00	1	11/12/2024	11:24

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2475-3-02

Batch Number: AB-241104-003

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/4/2024	14:19
Calcium	55.1	mg/L		5.00	5	11/4/2024	15:02
Iron	<0.100	mg/L		0.10	1	11/4/2024	14:19
Magnesium	1.76	mg/L		1.00	1	11/4/2024	14:19
Manganese	<0.0200	mg/L		0.02	1	11/4/2024	14:19
Potassium	2.26	mg/L		1.00	1	11/4/2024	14:19
Sodium	10.4	mg/L		1.00	1	11/4/2024	14:19
Hardness	145	mg/L		1.00	1	11/4/2024	15:02
Phosphorus	<1.00	mg/L		1.00	1	11/4/2024	14:19

Analytical Results



Collector: Geological, Arkansas

Site: WC-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 9:45

Sample Barcode: 

Sample Number: 2024-2475

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2475-4-01

Batch Number: AB-241121-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/21/2024	9:32
Arsenic	<1.00	ug/L		1.00	1	11/21/2024	9:32
Barium	57.8	ug/L		1.00	1	11/21/2024	9:32
Beryllium	<1.00	ug/L		1.00	1	11/21/2024	9:32
Cadmium	<0.300	ug/L		0.30	1	11/21/2024	9:32
Chromium	3.14	ug/L	R	1.00	1	11/21/2024	9:32
Cobalt	<0.100	ug/L		0.10	1	11/21/2024	9:32
Copper	<0.500	ug/L		0.50	1	11/21/2024	9:32
Lead	<0.500	ug/L		0.50	1	11/21/2024	9:32
Nickel	<0.500	ug/L		0.50	1	11/21/2024	9:32
Selenium	<5.00	ug/L		5.00	1	11/21/2024	9:32
Silver	<0.100	ug/L		0.10	1	11/21/2024	9:32
Thallium	<0.500	ug/L		0.50	1	11/21/2024	9:32
Vanadium	0.581	ug/L		0.20	1	11/21/2024	9:32
Zinc	<5.00	ug/L		5.00	1	11/21/2024	9:32

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2475-4-02

Batch Number: AB-241121-014

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/25/2024	10:35
Calcium	59.5	mg/L		5.00	5	11/25/2024	13:51
Iron	<0.100	mg/L		0.10	1	11/25/2024	10:35
Magnesium	1.89	mg/L		1.00	1	11/25/2024	10:35
Manganese	<0.0200	mg/L		0.02	1	11/25/2024	10:35
Potassium	2.55	mg/L		1.00	1	11/25/2024	10:35
Sodium	10.8	mg/L		1.00	1	11/25/2024	10:35
Phosphorus	<1.00	mg/L		1.00	1	11/25/2024	10:35

Analytical Results



Collector: Geological, Arkansas Site: SFWC-01 Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 10:48

Sample Barcode: 

Sample Number: 2024-2476

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

Aliquot #: 2024-2476-1-01 Batch Number: AB-241002-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	141	mg/L		6.00	1	10/3/2024 14:54

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

Aliquot #: 2024-2476-1-02 Batch Number: AB-241002-005

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	10/3/2024 10:13

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

Aliquot #: 2024-2476-1-03 Batch Number: AB-241002-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	10/2/2024 22:34
Chloride	13.2	mg/L		0.50	1	10/2/2024 22:34
Bromide	<0.10	mg/L		0.10	1	10/2/2024 22:34
Sulfate	10.7	mg/L		0.50	1	10/2/2024 22:34

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

Aliquot #: 2024-2476-1-05 Batch Number: AB-241002-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	10/3/2024 10:13

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

Aliquot #: 2024-2476-1-06 Batch Number: AB-241002-007

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	5.60	mg/L		0.25	5	10/3/2024 10:24

Analytical Results



Collector: Geological, Arkansas Site: SFWC-01 Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 10:48

Sample Barcode: 

Sample Number: 2024-2476

Specific Conductance Method: EPA 120.1, 1982 Analyst:

Aliquot #: 2024-2476-1-07 Batch Number: AB-241014-015

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	356	uS/cm		1.00	1	10/2/2024 17:55

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

Aliquot #: 2024-2476-1-08 Batch Number: AB-241017-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	8.91	None			1	10/2/2024 10:48

Water Temperature Method: SM 2550 B, 2000 Analyst: AGS

Aliquot #: 2024-2476-1-09 Batch Number: AB-241017-004

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	16.2	°C			1	10/2/2024 10:48

Total Dissolved Solids Method: SM 2540 C, 2020 Analyst: SD

Aliquot #: 2024-2476-1-10 Batch Number: AB-241003-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	216	mg/L		10.00	1	10/2/2024 16:00

Total Suspended Solids Method: SM 2540 D, 2020 Analyst: SD

Aliquot #: 2024-2476-1-11 Batch Number: AB-241003-001

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	10/2/2024 15:30

Analytical Results



Collector: Geological, Arkansas

Site: SFWC-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 10:48

Sample Barcode: 

Sample Number: 2024-2476

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2476-1-12

Batch Number: AB-241014-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.36	NTU		0.05	1	10/2/2024 17:55

Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-2476-1-14

Batch Number: AB-241002-009

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	<0.10	mg/L		0.10	1	10/4/2024 8:54
Total Nitrogen from Lachat	5.45	mg/L		0.50	5	10/4/2024 8:54

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2476-1-15

Batch Number: AB-241002-010

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	0.03	mg/L		0.02	1	10/4/2024 8:55

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2476-2-01

Batch Number: AB-241002-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	10/3/2024 18:32

Analytical Results



Collector: Geological, Arkansas

Site: SFWC-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 10:48

Sample Barcode: 

Sample Number: 2024-2476

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2476-3-01

Batch Number: AB-241105-004

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/12/2024	11:32
Arsenic	<1.00	ug/L		1.00	1	11/12/2024	11:32
Barium	58.3	ug/L		1.00	1	11/12/2024	11:32
Beryllium	<1.00	ug/L		1.00	1	11/12/2024	11:32
Cadmium	<0.300	ug/L		0.30	1	11/12/2024	11:32
Chromium	<1.00	ug/L		1.00	1	11/12/2024	11:32
Cobalt	<0.100	ug/L		0.10	1	11/12/2024	11:32
Copper	<0.500	ug/L		0.50	1	11/12/2024	11:32
Lead	<0.500	ug/L		0.50	1	11/12/2024	11:32
Nickel	<0.500	ug/L		0.50	1	11/12/2024	11:32
Selenium	<5.00	ug/L		5.00	1	11/12/2024	11:32
Silver	<0.100	ug/L		0.10	1	11/12/2024	11:32
Thallium	<0.500	ug/L		0.50	1	11/12/2024	11:32
Vanadium	0.452	ug/L		0.20	1	11/12/2024	11:32
Zinc	<5.00	ug/L		5.00	1	11/12/2024	11:32

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2476-3-02

Batch Number: AB-241104-003

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/4/2024	14:22
Calcium	55.6	mg/L		5.00	5	11/4/2024	15:05
Iron	<0.100	mg/L		0.10	1	11/4/2024	14:22
Magnesium	1.50	mg/L		1.00	1	11/4/2024	14:22
Manganese	<0.0200	mg/L		0.02	1	11/4/2024	14:22
Potassium	1.58	mg/L		1.00	1	11/4/2024	14:22
Sodium	11.2	mg/L		1.00	1	11/4/2024	14:22
Hardness	145	mg/L		1.00	1	11/4/2024	15:05
Phosphorus	<1.00	mg/L		1.00	1	11/4/2024	14:22

Analytical Results



Collector: Geological, Arkansas

Site: SFWC-01

Work Order Number: WO-241002-02

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/2/2024 10:48

Sample Barcode: 

Sample Number: 2024-2476

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2476-4-01

Batch Number: AB-241121-002

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/21/2024	9:48
Arsenic	<1.00	ug/L		1.00	1	11/21/2024	9:48
Barium	55.3	ug/L		1.00	1	11/21/2024	9:48
Beryllium	<1.00	ug/L		1.00	1	11/21/2024	9:48
Cadmium	<0.300	ug/L		0.30	1	11/21/2024	9:48
Chromium	<1.00	ug/L		1.00	1	11/21/2024	9:48
Cobalt	<0.100	ug/L		0.10	1	11/21/2024	9:48
Copper	<0.500	ug/L		0.50	1	11/21/2024	9:48
Lead	<0.500	ug/L		0.50	1	11/21/2024	9:48
Nickel	<0.500	ug/L		0.50	1	11/21/2024	9:48
Selenium	<5.00	ug/L		5.00	1	11/21/2024	9:48
Silver	<0.100	ug/L		0.10	1	11/21/2024	9:48
Thallium	<0.500	ug/L		0.50	1	11/21/2024	9:48
Vanadium	0.418	ug/L		0.20	1	11/21/2024	9:48
Zinc	<5.00	ug/L		5.00	1	11/21/2024	9:48

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2476-4-02

Batch Number: AB-241121-014

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/25/2024	10:42
Calcium	61.3	mg/L		5.00	5	11/25/2024	13:54
Iron	<0.100	mg/L		0.10	1	11/25/2024	10:42
Magnesium	1.62	mg/L		1.00	1	11/25/2024	10:42
Manganese	<0.0200	mg/L		0.02	1	11/25/2024	10:42
Potassium	1.78	mg/L		1.00	1	11/25/2024	10:42
Sodium	11.7	mg/L		1.00	1	11/25/2024	10:42
Phosphorus	<1.00	mg/L		1.00	1	11/25/2024	10:42

Analytical Results



Collector: Geological, Arkansas

Site: Metals Field Blank

Work Order Number: WO-241002-02

Sample Classification: Special

Project: EVT

Matrix: Water

Collected: 10/2/2024 15:15

Sample Barcode: 

Sample Number: 2024-2477

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2477-1-01

Batch Number: AB-241105-004

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Antimony	<2.00	ug/L		2.00	1	11/12/2024	11:36
Arsenic	<1.00	ug/L		1.00	1	11/12/2024	11:36
Barium	<1.00	ug/L		1.00	1	11/12/2024	11:36
Beryllium	<1.00	ug/L		1.00	1	11/12/2024	11:36
Cadmium	<0.300	ug/L		0.30	1	11/12/2024	11:36
Chromium	<1.00	ug/L		1.00	1	11/12/2024	11:36
Cobalt	<0.100	ug/L		0.10	1	11/12/2024	11:36
Copper	<0.500	ug/L		0.50	1	11/12/2024	11:36
Lead	<0.500	ug/L		0.50	1	11/12/2024	11:36
Nickel	<0.500	ug/L		0.50	1	11/12/2024	11:36
Selenium	<5.00	ug/L		5.00	1	11/12/2024	11:36
Silver	<0.100	ug/L		0.10	1	11/12/2024	11:36
Thallium	<0.500	ug/L		0.50	1	11/12/2024	11:36
Vanadium	<0.200	ug/L		0.20	1	11/12/2024	11:36
Zinc	<5.00	ug/L		5.00	1	11/12/2024	11:36

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2477-1-02

Batch Number: AB-241104-003

Analyte(s)	Result	Units	Q	Reporting		Analysis	
				Limit	Dilution	Date and Time	
Aluminum	<0.100	mg/L		0.10	1	11/4/2024	14:23
Calcium	<1.00	mg/L		1.00	1	11/4/2024	14:23
Iron	<0.100	mg/L		0.10	1	11/4/2024	14:23
Magnesium	<1.00	mg/L		1.00	1	11/4/2024	14:23
Manganese	<0.0200	mg/L		0.02	1	11/4/2024	14:23
Potassium	<1.00	mg/L		1.00	1	11/4/2024	14:23
Sodium	<1.00	mg/L		1.00	1	11/4/2024	14:23
Hardness	<1.00	mg/L		1.00	1	11/4/2024	14:23
Phosphorus	<1.00	mg/L		1.00	1	11/4/2024	14:23

QUALITY CONTROL REPORT

Project: Eco Vista Tontitown project Routine+Metals 2024
2471-2744

Date and Time Received: 10/2/2024 15:16:00

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Ammonia as N		SM 4500-NH3 H, 2021					Batch #:	AB-241002-005		Parent Sample:	2024-2470			
	mg/L	<0.03	0.03	100.8 /	80-120		-			100.1 / 101.2	80-120	1.1	-	
Orthophosphate as P		SM 4500-P G, 2021					Batch #:	AB-241002-006		Parent Sample:	2024-2470			
	mg/L	<0.02	0.02	98.0 /	80-120		-			96.2 / 98.7	80-120	2.5	-	
Nitrate +Nitrite as N		SM 4500-NO3 F, 2019					Batch #:	AB-241002-007		Parent Sample:	2024-2470			
	mg/L	<0.05	0.05	100.2 /	80-120		-			105.7 / 103.8	80-120	1.7	-	
Alkalinity as CaCO3		EPA 310.2 (Rev. 1974)					Batch #:	AB-241002-008		Parent Sample:				
	mg/L	<6.00	6.00	98.7 /	90-110		-		/	-			-	
		SM 4500-N(org) C, 2021					Batch #:	AB-241002-009		Parent Sample:	2024-2470			
	mg/L	<0.10	0.10	114.0 /	85-115		-			99.6 / 102.6	80-120	2.5	-	
		SM 4500-P G, 2021					Batch #:	AB-241002-010		Parent Sample:	2024-2470			
	mg/L	<0.02	0.02	101.5 /	85-115		-			98.8 / 99.3	80-120	0.4	-	
		SM 5310 C, 2014					Batch #:	AB-241002-011		Parent Sample:	2024-2470			
	mg/L	<1.00	1,000.00	112.4 /	85-115		-			95.6 / 94.8	80-120	0.7	-	
Anions		EPA 300.0 (Rev.2.1, 1993)					Batch #:	AB-241002-015		Parent Sample:	2024-2470			
Br	mg/L	<0.10	0.10	91.8 /	90-110		-			111.2 / 111.1	80-120	0.1	-	
Cl	mg/L	<0.50	0.50	102.8 /	90-110		-			100.3 / 100.3	80-120	0.0	-	
F	mg/L	<0.10	0.10	100.1 /	90-110		-			97.7 / 98.1	80-120	0.4	-	
SO4	mg/L	<0.50	0.50	104.1 /	90-110		-			84.1 / 84.6	80-120	0.2	-	
Total Suspended Solids		SM 2540 D, 2020					Batch #:	AB-241003-001		Parent Sample:				
	mg/L	<2.00	2.00	113.1 /	90-110		-		/	-			-	L
Total Dissolved Solids		SM 2540 C, 2020					Batch #:	AB-241003-003		Parent Sample:				
	mg/L	<10.0	10.00	101.0 /	90-110		-		/	-			-	
Turbidity		EPA 180.1					Batch #:	AB-241014-014		Parent Sample:				
	NTU	<0.05	0.05	96.4 /	90-110		-		/	-			-	
Specific Conductance		EPA 120.1, 1982					Batch #:	AB-241014-015		Parent Sample:				
	uS/cm	<1.00	1.00	99.4 /	95-105		-		/	-			-	
ICP/OES Metals (Dissolved)		EPA 200.7					Batch #:	AB-241104-003		Parent Sample:	2024-2414			
Al	mg/L	<0.100	0.10	92.3 /	85-115		-			92.0 / 93.3	70-131	1.4	-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Ca	mg/L	<1.00	1.00	97.0 /	85-115		-			95.3 / 96.7	70-131	0.7	-	
Fe	mg/L	<0.100	0.10	95.4 /	85-115		-			93.2 / 94.6	70-131	1.3	-	
K	mg/L	<1.00	1.00	93.7 /	85-115		-			94.1 / 96.8	70-131	1.1	-	
Mg	mg/L	<1.00	1.00	96.5 /	85-115		-			95.0 / 96.7	70-131	1.0	-	
Mn	mg/L	<0.0200	0.02	97.0 /	85-115		-			93.8 / 95.3	70-131	0.5	-	
Na	mg/L	<1.00	1.00	97.8 /	85-115		-			97.8 / 99.4	70-131	0.9	-	
P	mg/L	<1.00	1.00	93.4 /	85-115		-			92.8 / 94.2	70-131	1.4	-	

ICP/MS Metals (Dissolved)

EPA 200.8 (Rev. 5.4, 1994)

Batch #:

AB-241105-004

Parent Sample:

2024-2414

Ag	ug/L	<0.100	0.10	95.6 /	85-115		-			90.9 / 97.5	70-130	7.1	-	
As	ug/L	<1.00	1.00	107.9 /	85-115		-			104.5 / 111.7	70-130	6.1	-	
Ba	ug/L	<1.00	1.00	103.4 /	85-115		-			101.5 / 108.8	70-130	5.2	-	
Be	ug/L	<1.00	1.00	107.4 /	85-115		-			106.8 / 113.6	70-130	6.1	-	
Cd	ug/L	<0.300	0.30	108.9 /	85-115		-			104.4 / 111.1	70-130	6.2	-	
Co	ug/L	<0.100	0.10	100.8 /	85-115		-			94.3 / 102.5	70-130	7.5	-	
Cr	ug/L	<1.00	1.00	104.3 /	85-115		-			101.7 / 105.3	70-130	3.4	-	
Cu	ug/L	<0.500	0.50	99.5 /	85-115		-			90.4 / 98.2	70-130	8.1	-	
Ni	ug/L	<0.500	0.50	98.8 /	85-115		-			95.7 / 99.8	70-130	3.8	-	
Pb	ug/L	<0.500	0.50	110.7 /	85-115		-			104.6 / 116.3	70-130	10.5	-	
Sb	ug/L	<2.00	2.00	110.9 /	85-115		-			108.7 / 115.1	70-130	5.7	-	
Se	ug/L	<5.00	5.00	111.5 /	85-115		-			109.7 / 114.7	70-130	4.4	-	
Tl	ug/L	<0.500	0.50	108.4 /	85-115		-			102.0 / 109.5	70-130	7.1	-	
V	ug/L	<0.200	0.20	99.3 /	85-115		-			94.8 / 101.7	70-130	6.9	-	
Zn	ug/L	<5.00	5.00	107.7 /	85-115		-			106.7 / 110.2	70-130	3.1	-	

EPA 200.8 (Rev. 5.4, 1994)

Batch #:

AB-241114-002

Parent Sample:

2024-2414

Ag	ug/L	<0.100	0.10	92.8 /	85-115		-			81.3 / 88.6	70-130	8.6	-	
As	ug/L	<1.00	1.00	102.6 /	85-115		-			87.0 / 106.2	70-130	17.8	-	
Ba	ug/L	<1.00	1.00	94.8 /	85-115		-			74.1 / 80.1	70-130	4.9	-	
Be	ug/L	<1.00	1.00	100.1 /	85-115		-			92.1 / 101.0	70-130	9.2	-	
Cd	ug/L	<0.300	0.30	104.3 /	85-115		-			92.2 / 105.1	70-130	13.1	-	
Co	ug/L	<0.100	0.10	100.7 /	85-115		-			81.7 / 95.5	70-130	13.5	-	
Cr	ug/L	<1.00	1.00	101.8 /	85-115		-			83.2 / 98.3	70-130	16.3	-	
Cu	ug/L	<0.500	0.50	97.3 /	85-115		-			81.1 / 91.8	70-130	12.0	-	
Ni	ug/L	<0.500	0.50	99.7 /	85-115		-			80.6 / 92.6	70-130	12.3	-	
Pb	ug/L	<0.500	0.50	105.4 /	85-115		-			91.9 / 102.7	70-130	10.6	-	
Sb	ug/L	<2.00	2.00	106.7 /	85-115		-			90.6 / 104.8	70-130	14.5	-	
Se	ug/L	<5.00	5.00	106.5 /	85-115		-			98.7 / 120.5	70-130	19.9	-	
Tl	ug/L	<0.500	0.50	99.5 /	85-115		-			93.6 / 99.7	70-130	6.3	-	
V	ug/L	<0.200	0.20	100.1 /	85-115		-			83.7 / 98.1	70-130	15.2	-	
Zn	ug/L	<5.00	5.00	105.8 /	85-115		-			95.1 / 111.7	70-130	15.1	-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
EPA 200.7							Batch #:	AB-241118-005		Parent Sample:		2024-2414		
Al	mg/L	<0.100	0.10	97.3 /	85-115		-			99.8 / 100.3	70-130	0.6	-	
Ca	mg/L	<1.00	1.00	102.1 /	85-115		-			100.1 / 101.7	70-130	0.8	-	
Fe	mg/L	<0.100	0.10	99.8 /	85-115		-			98.7 / 99.9	70-130	0.8	-	
K	mg/L	<1.00	1.00	99.9 /	85-115		-			97.3 / 100.2	70-130	1.1	-	
Mg	mg/L	<1.00	1.00	101.0 /	85-115		-			100.8 / 101.8	70-130	0.6	-	
Mn	mg/L	<0.0200	0.02	101.2 /	85-115		-			87.9 / 93.0	70-130	1.0	-	
Na	mg/L	<1.00	1.00	101.9 /	85-115		-			101.8 / 103.6	70-130	0.9	-	
P	mg/L	<1.00	1.00	102.7 /	85-115		-			105.7 / 106.3	70-130	0.5	-	
EPA 200.8 (Rev. 5.4, 1994)							Batch #:	AB-241121-002		Parent Sample:		2024-2475		
Ag	ug/L	<0.100	0.10	91.6 /	85-115		-			89.5 / 87.8	70-130	1.9	-	
As	ug/L	<1.00	1.00	100.9 /	85-115		-			105.8 / 104.2	70-130	1.5	-	
Ba	ug/L	<1.00	1.00	99.6 /	85-115		-			99.6 / 96.0	70-130	1.7	-	
Be	ug/L	<1.00	1.00	100.0 /	85-115		-			106.9 / 106.8	70-130	0.1	-	
Cd	ug/L	<0.300	0.30	101.4 /	85-115		-			104.1 / 102.7	70-130	1.4	-	
Co	ug/L	<0.100	0.10	94.7 /	85-115		-			89.9 / 88.4	70-130	1.7	-	
Cr	ug/L	<1.00	1.00	97.9 /	85-115		-			96.7 / 93.7	70-130	1.9	-	
Cu	ug/L	<0.500	0.50	92.3 /	85-115		-			87.2 / 85.2	70-130	2.3	-	
Ni	ug/L	<0.500	0.50	92.6 /	85-115		-			87.3 / 86.0	70-130	1.5	-	
Pb	ug/L	<0.500	0.50	103.5 /	85-115		-			102.2 / 99.6	70-130	2.5	-	
Sb	ug/L	<2.00	2.00	104.6 /	85-115		-			107.0 / 105.8	70-130	1.2	-	
Se	ug/L	<5.00	5.00	103.3 /	85-115		-			112.3 / 110.6	70-130	1.5	-	
Tl	ug/L	<0.500	0.50	100.8 /	85-115		-			102.2 / 100.7	70-130	1.6	-	
V	ug/L	<0.200	0.20	95.5 /	85-115		-			95.7 / 93.8	70-130	1.8	-	
Zn	ug/L	<5.00	5.00	102.2 /	85-115		-			103.1 / 102.2	70-130	0.8	-	
EPA 200.7							Batch #:	AB-241121-014		Parent Sample:		2024-2475		
Al	mg/L	<0.100	0.10	97.6 /	85-115		-			100.7 / 101.3	70-130	0.6	-	
Ca	mg/L	<1.00	1.00	102.4 /	85-115		-			560.3 / 561.0	70-130	0.1	-	M
Fe	mg/L	<0.100	0.10	99.5 /	85-115		-			99.2 / 99.9	70-130	0.7	-	
K	mg/L	<1.00	1.00	96.1 /	85-115		-			117.4 / 118.0	70-130	0.5	-	
Mg	mg/L	<1.00	1.00	101.3 /	85-115		-			114.6 / 115.2	70-130	0.5	-	
Mn	mg/L	<0.0200	0.02	101.4 /	85-115		-			101.1 / 101.6	70-130	0.5	-	
Na	mg/L	<1.00	1.00	99.8 /	85-115		-			101.1 / 101.8	70-130	0.3	-	
P	mg/L	<1.00	1.00	100.6 /	85-115		-			102.5 / 103.3	70-130	0.8	-	

FIELD QUALITY CONTROL REPORT

Work Order # **WO-241002-02**

Parent Sample **2024-2473**

Analyte(s)	Parent Sample Result	Field Dup Result	Units	% RPD	Limits	Batch Number
Aliquot #	AB-241002-005 Dup - Field 2		Parent Aliquot #	2024-2473-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-241002-005
Aliquot #	AB-241002-005 Dup - Field 3		Parent Aliquot #	2024-2475-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-241002-005
Aliquot #	AB-241002-006 Dup - Field 2		Parent Aliquot #	2024-2473-1-05		
Orthophosphate as Phosphorus		0.02	mg/L	1.35	0 - 20	AB-241002-006
Aliquot #	AB-241002-006 Dup - Field 3		Parent Aliquot #	2024-2475-1-05		
Orthophosphate as Phosphorus		0.03	mg/L	3.32	0 - 20	AB-241002-006
Aliquot #	AB-241002-007 Dup - Field 2		Parent Aliquot #	2024-2473-1-06		
Nitrite+Nitrate as Nitrogen		6.25	mg/L	2.37	0 - 20	AB-241002-007
Aliquot #	AB-241002-007 Dup - Field 3		Parent Aliquot #	2024-2475-1-06		
Nitrite+Nitrate as Nitrogen		4.42	mg/L	0.00	0 - 20	AB-241002-007
Aliquot #	AB-241002-008 Dup - Field 2		Parent Aliquot #	2024-2473-1-01		
Alkalinity		145	mg/L	0.00	0 - 20	AB-241002-008
Aliquot #	AB-241002-008 Dup - Field 3		Parent Aliquot #	2024-2475-1-01		
Alkalinity		143	mg/L	0.70	0 - 20	AB-241002-008
Aliquot #	AB-241002-009 Dup - Field 2		Parent Aliquot #	2024-2473-1-14		
Total Kjeldahl Nitrogen		<0.10	mg/L	0.00	0 - 20	AB-241002-009
Aliquot #	AB-241002-009 Dup - Field 3		Parent Aliquot #	2024-2475-1-14		
Total Kjeldahl Nitrogen		<0.10	mg/L	0.00	0 - 20	AB-241002-009
Aliquot #	AB-241002-010 Dup - Field 2		Parent Aliquot #	2024-2473-1-15		
Total Phosphorus		0.04	mg/L	25.08	0 - 20	AB-241002-010
Aliquot #	AB-241002-010 Dup - Field 3		Parent Aliquot #	2024-2475-1-15		
Total Phosphorus		0.05	mg/L	10.04	0 - 20	AB-241002-010
Aliquot #	AB-241002-011 Dup - Field 2		Parent Aliquot #	2024-2473-2-01		
Dissolved Organic Carbon		<1.00	mg/L	34.45	0 - 20	AB-241002-011
Aliquot #	AB-241002-011 Dup - Field 3		Parent Aliquot #	2024-2475-2-01		
Dissolved Organic Carbon		<1.00	mg/L	0.58	0 - 20	AB-241002-011
Aliquot #	AB-241002-015 Dup - Field 2		Parent Aliquot #	2024-2473-1-03		
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-241002-015
Chloride		9.46	mg/L	0.31	0 - 20	AB-241002-015

Bromide	<0.10	mg/L	0.00	0 - 20	AB-241002-015
Sulfate	12.0	mg/L	0.98	0 - 20	AB-241002-015
Aliquot #	AB-241002-015 Dup - Field 3		Parent Aliquot #	2024-2475-1-03	
Fluoride	<0.10	mg/L	0.00	0 - 20	AB-241002-015
Chloride	10.8	mg/L	2.14	0 - 20	AB-241002-015
Bromide	<0.10	mg/L	0.00	0 - 20	AB-241002-015
Sulfate	11.5	mg/L	1.51	0 - 20	AB-241002-015
Aliquot #	AB-241003-001 Dup - Field 2		Parent Aliquot #	2024-2473-1-11	
Total Suspended Solids	4.25	mg/L	34.48	0 - 5	AB-241003-001
Aliquot #	AB-241003-001 Dup - Field 3		Parent Aliquot #	2024-2475-1-11	
Total Suspended Solids	<2.00	mg/L	0.00	0 - 5	AB-241003-001
Aliquot #	AB-241003-003 Dup - Field 2		Parent Aliquot #	2024-2473-1-10	
Total Dissolved Solids	216	mg/L	0.23	0 - 5	AB-241003-003
Aliquot #	AB-241003-003 Dup - Field 3		Parent Aliquot #	2024-2475-1-10	
Total Dissolved Solids	199	mg/L	1.50	0 - 5	AB-241003-003
Aliquot #	AB-241014-014 Dup - Field 2		Parent Aliquot #	2024-2473-1-12	
Turbidity	2.40	NTU	19.18	0 - 20	AB-241014-014
Aliquot #	AB-241014-014 Dup - Field 3		Parent Aliquot #	2024-2475-1-12	
Turbidity	1.29	NTU	77.42	0 - 20	AB-241014-014
Aliquot #	AB-241014-015 Dup - Field 2		Parent Aliquot #	2024-2473-1-07	
Specific Conductance	361	uS/cm	0.28	0 - 20	AB-241014-015
Aliquot #	AB-241014-015 Dup - Field 3		Parent Aliquot #	2024-2475-1-07	
Specific Conductance	344	uS/cm	1.17	0 - 20	AB-241014-015
Aliquot #	AB-241017-003 Dup - Field 1		Parent Aliquot #	2024-2473-1-08	
pH	8.81	units	0.00	0 - 20	AB-241017-003
Aliquot #	AB-241017-003 Dup - Field 2		Parent Aliquot #	2024-2475-1-08	
pH	8.68	units	0.00	0 - 20	AB-241017-003
Aliquot #	AB-241017-004 Dup - Field 1		Parent Aliquot #	2024-2473-1-09	
Water Temperature	16.3	°C	7.67	0 - 20	AB-241017-004
Aliquot #	AB-241017-004 Dup - Field 2		Parent Aliquot #	2024-2475-1-09	
Water Temperature	8.68	°C	61.01	0 - 20	AB-241017-004
Aliquot #	AB-241104-003 Dup - Field 3		Parent Aliquot #	2024-2473-3-02	
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-241104-003
Calcium	57.7	mg/L	1.27	0 - 20	AB-241104-003
Iron	<0.100	mg/L	0.00	0 - 20	AB-241104-003
Magnesium	1.45	mg/L	1.98	0 - 20	AB-241104-003
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-241104-003
Potassium	1.13	mg/L	0.68	0 - 20	AB-241104-003
Sodium	10.5	mg/L	1.99	0 - 20	AB-241104-003

Phosphorus <1.00 mg/L 0.00 0 - 20 AB-241104-003

Aliquot # AB-241104-003 Dup - Field 4

Parent Aliquot # 2024-2475-3-02

Aluminum <0.100 mg/L 0.00 0 - 20 AB-241104-003
Calcium 54.0 mg/L 1.91 0 - 20 AB-241104-003
Iron <0.100 mg/L 0.00 0 - 20 AB-241104-003
Magnesium 1.75 mg/L 0.67 0 - 20 AB-241104-003
Manganese <0.0200 mg/L 0.00 0 - 20 AB-241104-003
Potassium 2.19 mg/L 3.43 0 - 20 AB-241104-003
Sodium 10.3 mg/L 1.30 0 - 20 AB-241104-003
Phosphorus <1.00 mg/L 0.00 0 - 20 AB-241104-003

Aliquot # AB-241105-004 Dup - Field 3

Parent Aliquot # 2024-2473-3-01

Antimony <2.00 ug/L 0.00 0 - 20 AB-241105-004
Arsenic <1.00 ug/L 0.00 0 - 20 AB-241105-004
Barium 50.0 ug/L 0.56 0 - 20 AB-241105-004
Beryllium <1.00 ug/L 0.00 0 - 20 AB-241105-004
Cadmium <0.300 ug/L 0.00 0 - 20 AB-241105-004
Chromium 1.94 ug/L 116.34 0 - 20 AB-241105-004
Cobalt <0.100 ug/L 0.00 0 - 20 AB-241105-004
Copper <0.500 ug/L 0.00 0 - 20 AB-241105-004
Lead <0.500 ug/L 0.00 0 - 20 AB-241105-004
Nickel 0.553 ug/L 34.95 0 - 20 AB-241105-004
Selenium <5.00 ug/L 0.00 0 - 20 AB-241105-004
Silver <0.100 ug/L 0.00 0 - 20 AB-241105-004
Thallium <0.500 ug/L 0.00 0 - 20 AB-241105-004
Vanadium 0.262 ug/L 18.57 0 - 20 AB-241105-004
Zinc <5.00 ug/L 0.00 0 - 20 AB-241105-004

Aliquot # AB-241105-004 Dup - Field 4

Parent Aliquot # 2024-2475-3-01

Antimony <2.00 ug/L 0.00 0 - 20 AB-241105-004
Arsenic <1.00 ug/L 0.00 0 - 20 AB-241105-004
Barium 64.0 ug/L 9.88 0 - 20 AB-241105-004
Beryllium <1.00 ug/L 0.00 0 - 20 AB-241105-004
Cadmium <0.300 ug/L 0.00 0 - 20 AB-241105-004
Chromium <1.00 ug/L 0.00 0 - 20 AB-241105-004
Cobalt <0.100 ug/L 0.00 0 - 20 AB-241105-004
Copper <0.500 ug/L 0.00 0 - 20 AB-241105-004
Lead <0.500 ug/L 0.00 0 - 20 AB-241105-004
Nickel <0.500 ug/L 0.00 0 - 20 AB-241105-004
Selenium <5.00 ug/L 0.00 0 - 20 AB-241105-004
Silver <0.100 ug/L 0.00 0 - 20 AB-241105-004
Thallium <0.500 ug/L 0.00 0 - 20 AB-241105-004
Vanadium 0.610 ug/L 17.70 0 - 20 AB-241105-004
Zinc <5.00 ug/L 0.00 0 - 20 AB-241105-004

Aliquot # AB-241114-002 Dup - Field 3

Parent Aliquot # 2024-2473-4-01

Antimony <2.00 ug/L 0.00 0 - 20 AB-241114-002

Arsenic	<1.00	ug/L	0.00	0 - 20	AB-241114-002
Barium	47.1	ug/L	0.43	0 - 20	AB-241114-002
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-241114-002
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-241114-002
Chromium	<1.00	ug/L	0.00	0 - 20	AB-241114-002
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-241114-002
Copper	<0.500	ug/L	0.00	0 - 20	AB-241114-002
Lead	<0.500	ug/L	0.00	0 - 20	AB-241114-002
Nickel	<0.500	ug/L	0.00	0 - 20	AB-241114-002
Selenium	<5.00	ug/L	0.00	0 - 20	AB-241114-002
Silver	<0.100	ug/L	0.00	0 - 20	AB-241114-002
Thallium	<0.500	ug/L	0.00	0 - 20	AB-241114-002
Vanadium	0.278	ug/L	4.72	0 - 20	AB-241114-002
Zinc	<5.00	ug/L	0.00	0 - 20	AB-241114-002

Aliquot #	AB-241118-005 Dup - Field 3	Parent Aliquot #	2024-2473-4-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-241118-005
Calcium	64.1	mg/L	1.24	0 - 20	AB-241118-005
Iron	<0.100	mg/L	0.00	0 - 20	AB-241118-005
Magnesium	1.57	mg/L	0.04	0 - 20	AB-241118-005
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-241118-005
Potassium	1.28	mg/L	7.43	0 - 20	AB-241118-005
Sodium	11.6	mg/L	0.02	0 - 20	AB-241118-005
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-241118-005

Aliquot #	AB-241121-002 Dup - Field 1	Parent Aliquot #	2024-2475-4-01		
Antimony	<2.00	ug/L	0.00	0 - 20	AB-241121-002
Arsenic	<1.00	ug/L	0.00	0 - 20	AB-241121-002
Barium	59.4	ug/L	2.81	0 - 20	AB-241121-002
Beryllium	<1.00	ug/L	0.00	0 - 20	AB-241121-002
Cadmium	<0.300	ug/L	0.00	0 - 20	AB-241121-002
Chromium	<1.00	ug/L	178.26	0 - 20	AB-241121-002
Cobalt	<0.100	ug/L	0.00	0 - 20	AB-241121-002
Copper	<0.500	ug/L	0.00	0 - 20	AB-241121-002
Lead	<0.500	ug/L	0.00	0 - 20	AB-241121-002
Nickel	<0.500	ug/L	0.00	0 - 20	AB-241121-002
Selenium	<5.00	ug/L	0.00	0 - 20	AB-241121-002
Silver	<0.100	ug/L	0.00	0 - 20	AB-241121-002
Thallium	<0.500	ug/L	0.00	0 - 20	AB-241121-002
Vanadium	0.533	ug/L	8.61	0 - 20	AB-241121-002
Zinc	<5.00	ug/L	0.00	0 - 20	AB-241121-002

Aliquot #	AB-241121-014 Dup - Field 1	Parent Aliquot #	2024-2475-4-02		
Aluminum	<0.100	mg/L	0.00	0 - 20	AB-241121-014
Calcium	60.2	mg/L	1.10	0 - 20	AB-241121-014
Iron	<0.100	mg/L	0.00	0 - 20	AB-241121-014
Magnesium	1.89	mg/L	0.00	0 - 20	AB-241121-014

Manganese	<0.0200	mg/L	0.00	0 - 20	AB-241121-014
Potassium	2.50	mg/L	0.00	0 - 20	AB-241121-014
Sodium	10.8	mg/L	0.35	0 - 20	AB-241121-014
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-241121-014