

Analytical Results



Lab Contact Info:

ADEQ Laboratory and Monitoring Services

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501-682-0937

Collector: Geological, Arkansas

Project: EVT

Project Description: EVT Routine+Metals 2024 2629-2630

Date and Time Received: 10/16/2024 07:43:00

Work Order Number: WO-241016-03

Sample Receipt Conditions:

Condition	Response	Comment
Is the COC completed properly?	Yes	
Temperature on Receipt	0.6°C	
Received on Ice	Yes	
Containers are Correct	Yes	
Custody Seals	No	
COC/Labels Agree	Yes	

Data Qualifiers

Qualifier Flag	Description
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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: Clksp-1	Work Order Number: WO-241016-03
Sample Classification: Routine Monitoring	Project:	EVT
Matrix: Water	Collected:	10/15/2024 8:20
Sample Barcode: 	Sample Number:	2024-2629

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

Aliquot #: 2024-2629-1-01 **Batch Number: AB-241016-014**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	121	mg/L		6.00	1	10/16/2024 11:27

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

Aliquot #: 2024-2629-1-02 **Batch Number: AB-241016-003**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	10/16/2024 13:20

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

Aliquot #: 2024-2629-1-03 **Batch Number: AB-241016-024**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	10/17/2024 4:23
Chloride	12.5	mg/L		0.50	1	10/17/2024 4:23
Bromide	<0.10	mg/L		0.10	1	10/17/2024 4:23
Sulfate	9.56	mg/L		0.50	1	10/17/2024 4:23

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

Aliquot #: 2024-2629-1-05 **Batch Number: AB-241016-008**

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	10/16/2024 13:20

Analytical Results



Collector: Geological, Arkansas

Site: Clksp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 8:20

Sample Barcode: 

Sample Number: 2024-2629

Nitrate +Nitrite as N

Method: SM 4500-NO3 F, 2019

Analyst: JR

Aliquot #: 2024-2629-1-06

Batch Number: AB-241016-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	7.95	mg/L		0.25	5	10/16/2024 14:08

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2629-1-07

Batch Number: AB-241017-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	337	uS/cm		1.00	1	10/6/2024 10:28

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2629-1-08

Batch Number: AB-241018-023

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.79	None			1	10/15/2024 8:20

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2629-1-09

Batch Number: AB-241018-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	15.6	°C			1	10/15/2024 8:20

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2629-1-10

Batch Number: AB-241016-030

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	204	mg/L		10.00	1	10/16/2024 16:00

Analytical Results



Collector: Geological, Arkansas

Site: Clksp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 8:20

Sample Barcode: 

Sample Number: 2024-2629

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2629-1-11

Batch Number: AB-241016-027

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	<2.00	mg/L		2.00	1	10/16/2024 9:05

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2629-1-12

Batch Number: AB-241017-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	0.94	NTU		0.05	1	10/6/2024 10:28

Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-2629-1-14

Batch Number: AB-241016-017

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	0.30	mg/L		0.10	1	10/17/2024 9:47
Total Nitrogen from Lachat	8.25	mg/L		0.50	5	10/17/2024 9:47

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2629-1-15

Batch Number: AB-241016-020

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	10/17/2024 9:53

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2629-2-01

Batch Number: AB-241016-021

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	<1.00	mg/L		1.00	1	10/16/2024 15:50

Analytical Results



Collector: Geological, Arkansas

Site: Clksp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 8:20

Sample Barcode: 

Sample Number: 2024-2629

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2629-3-01

Batch Number: AB-241119-003

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	11/19/2024 16:43
Arsenic	<1.00	ug/L		1.00	1	11/19/2024 16:43
Barium	29.4	ug/L		1.00	1	11/19/2024 16:43
Beryllium	<1.00	ug/L		1.00	1	11/19/2024 16:43
Cadmium	<0.300	ug/L		0.30	1	11/19/2024 16:43
Chromium	<1.00	ug/L		1.00	1	11/19/2024 16:43
Cobalt	<0.100	ug/L		0.10	1	11/19/2024 16:43
Copper	<0.500	ug/L		0.50	1	11/19/2024 16:43
Lead	<0.500	ug/L		0.50	1	11/19/2024 16:43
Nickel	<0.500	ug/L		0.50	1	11/19/2024 16:43
Selenium	<5.00	ug/L		5.00	1	11/19/2024 16:43
Silver	<0.100	ug/L		0.10	1	11/19/2024 16:43
Thallium	<0.500	ug/L		0.50	1	11/19/2024 16:43
Vanadium	<0.200	ug/L		0.20	1	11/19/2024 16:43
Zinc	6.00	ug/L		5.00	1	11/19/2024 16:43

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2629-3-02

Batch Number: AB-241119-009

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	11/20/2024 14:16
Calcium	53.5	mg/L		5.00	5	11/20/2024 14:16
Iron	<0.100	mg/L		0.10	1	11/20/2024 14:16
Magnesium	1.47	mg/L		1.00	1	11/20/2024 14:16
Manganese	<0.0200	mg/L		0.02	1	11/20/2024 14:16
Potassium	<1.00	mg/L		1.00	1	11/20/2024 14:16
Sodium	13.1	mg/L		1.00	1	11/20/2024 14:16
Hardness	140	mg/L		1.00	1	11/20/2024 14:16
Phosphorus	<1.00	mg/L		1.00	1	11/20/2024 14:16

Analytical Results



Collector: Geological, Arkansas

Site: Clksp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 8:20

Sample Barcode: 

Sample Number: 2024-2629

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2629-4-01

Batch Number: AB-241209-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	12/9/2024 11:23
Arsenic	<1.00	ug/L		1.00	1	12/9/2024 11:23
Barium	30.1	ug/L		1.00	1	12/9/2024 11:23
Beryllium	<1.00	ug/L		1.00	1	12/9/2024 11:23
Cadmium	<0.300	ug/L		0.30	1	12/9/2024 11:23
Chromium	<1.00	ug/L		1.00	1	12/9/2024 11:23
Cobalt	<0.100	ug/L		0.10	1	12/9/2024 11:23
Copper	<0.500	ug/L		0.50	1	12/9/2024 11:23
Lead	<0.500	ug/L		0.50	1	12/9/2024 11:23
Nickel	<0.500	ug/L		0.50	1	12/9/2024 11:23
Selenium	<5.00	ug/L		5.00	1	12/9/2024 11:23
Silver	<0.100	ug/L		0.10	1	12/9/2024 11:23
Thallium	<0.500	ug/L		0.50	1	12/9/2024 11:23
Vanadium	0.206	ug/L		0.20	1	12/9/2024 11:23
Zinc	<5.00	ug/L		5.00	1	12/9/2024 11:23

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2629-4-02

Batch Number: AB-241210-007

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	12/11/2024 11:03
Calcium	52.8	mg/L		5.00	5	12/11/2024 12:59
Iron	<0.100	mg/L		0.10	1	12/11/2024 11:03
Magnesium	1.49	mg/L		1.00	1	12/11/2024 11:03
Manganese	<0.0200	mg/L		0.02	1	12/11/2024 11:03
Potassium	<1.00	mg/L		1.00	1	12/11/2024 11:03
Sodium	12.8	mg/L		1.00	1	12/11/2024 11:03
Phosphorus	<1.00	mg/L		1.00	1	12/11/2024 11:03

Analytical Results



Collector: Geological, Arkansas

Site: FrgSp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 9:54

Sample Barcode: 

Sample Number: 2024-2630

Alkalinity as CaCO₃

Method: EPA 310.2 (Rev. 1974)

Analyst: JR

Aliquot #: 2024-2630-1-01

Batch Number: AB-241016-014

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Alkalinity	88.7	mg/L		6.00	1	10/16/2024 11:32

Ammonia as N

Method: SM 4500-NH₃ H, 2021

Analyst: JR

Aliquot #: 2024-2630-1-02

Batch Number: AB-241016-003

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Ammonia as Nitrogen	<0.030	mg/L		0.03	1	10/16/2024 13:25

Anions

Method: EPA 300.0 (Rev.2.1, 1993)

Analyst:

Aliquot #: 2024-2630-1-03

Batch Number: AB-241016-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Fluoride	<0.10	mg/L		0.10	1	10/17/2024 4:55
Chloride	40.8	mg/L		0.50	1	10/17/2024 4:55
Bromide	0.46	mg/L		0.10	1	10/17/2024 4:55
Sulfate	9.28	mg/L		0.50	1	10/17/2024 4:55

Orthophosphate as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2630-1-05

Batch Number: AB-241016-008

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Orthophosphate as Phosphorus	<0.020	mg/L		0.02	1	10/16/2024 13:25

Nitrate +Nitrite as N

Method: SM 4500-NO₃ F, 2019

Analyst: JR

Aliquot #: 2024-2630-1-06

Batch Number: AB-241016-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Nitrite+Nitrate as Nitrogen	4.97	mg/L		0.05	1	10/16/2024 13:25

Analytical Results



Collector: Geological, Arkansas

Site: FrgSp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 9:54

Sample Barcode: 

Sample Number: 2024-2630

Specific Conductance

Method: EPA 120.1, 1982

Analyst:

Aliquot #: 2024-2630-1-07

Batch Number: AB-241017-011

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Specific Conductance	349	uS/cm		1.00	1	10/6/2024 10:30

pH

Method: SM 4500-H+ B, 2021

Analyst: AGS

Aliquot #: 2024-2630-1-08

Batch Number: AB-241018-023

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
pH	6.57	None			1	10/15/2024 9:54

Water Temperature

Method: SM 2550 B, 2000

Analyst: AGS

Aliquot #: 2024-2630-1-09

Batch Number: AB-241018-024

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Water Temperature	14.9	°C			1	10/15/2024 9:54

Total Dissolved Solids

Method: SM 2540 C, 2020

Analyst: SD

Aliquot #: 2024-2630-1-10

Batch Number: AB-241016-030

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Dissolved Solids	204	mg/L		10.00	1	10/16/2024 16:00

Total Suspended Solids

Method: SM 2540 D, 2020

Analyst: SD

Aliquot #: 2024-2630-1-11

Batch Number: AB-241016-027

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Suspended Solids	7.00	mg/L		2.00	1	10/16/2024 9:05

Analytical Results



Collector: Geological, Arkansas

Site: FrgSp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 9:54

Sample Barcode: 

Sample Number: 2024-2630

Turbidity

Method: EPA 180.1

Analyst:

Aliquot #: 2024-2630-1-12

Batch Number: AB-241017-006

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Turbidity	3.33	NTU		0.05	1	10/6/2024 10:30

Total Kjeldahl Nitrogen as N

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

Analyst: JR

Aliquot #: 2024-2630-1-14

Batch Number: AB-241016-017

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Kjeldahl Nitrogen	1.18	mg/L		0.10	1	10/17/2024 9:49
Total Nitrogen from Lachat	6.15	mg/L		0.50	5	10/17/2024 9:49

Total Phosphorus as P

Method: SM 4500-P G, 2021

Analyst: JR

Aliquot #: 2024-2630-1-15

Batch Number: AB-241016-020

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Total Phosphorus	<0.02	mg/L		0.02	1	10/17/2024 9:57

Dissolved Organic Carbon

Method: SM 5310 C, 2014

Analyst: SD

Aliquot #: 2024-2630-2-01

Batch Number: AB-241016-021

Analyte(s)	Result	Units	Q	Reporting Limit	Dilution	Analysis Date and Time
Dissolved Organic Carbon	1.46	mg/L		1.00	1	10/16/2024 16:48

Analytical Results



Collector: Geological, Arkansas

Site: FrgSp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 9:54

Sample Barcode: 

Sample Number: 2024-2630

ICP/MS Metals (Dissolved)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2630-3-01

Batch Number: AB-241119-003

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	11/19/2024 17:07
Arsenic	<1.00	ug/L		1.00	1	11/19/2024 17:07
Barium	33.7	ug/L		1.00	1	11/19/2024 17:07
Beryllium	<1.00	ug/L		1.00	1	11/19/2024 17:07
Cadmium	<0.300	ug/L		0.30	1	11/19/2024 17:07
Chromium	<1.00	ug/L		1.00	1	11/19/2024 17:07
Cobalt	<0.100	ug/L		0.10	1	11/19/2024 17:07
Copper	<0.500	ug/L		0.50	1	11/19/2024 17:07
Lead	<0.500	ug/L		0.50	1	11/19/2024 17:07
Nickel	<0.500	ug/L		0.50	1	11/19/2024 17:07
Selenium	<5.00	ug/L		5.00	1	11/19/2024 17:07
Silver	<0.100	ug/L		0.10	1	11/19/2024 17:07
Thallium	<0.500	ug/L		0.50	1	11/19/2024 17:07
Vanadium	<0.200	ug/L		0.20	1	11/19/2024 17:07
Zinc	118	ug/L		25.00	5	11/19/2024 17:07

ICP/OES Metals (Dissolved)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2630-3-02

Batch Number: AB-241119-009

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	11/20/2024 14:25
Calcium	42.5	mg/L		1.00	1	11/20/2024 14:25
Iron	<0.100	mg/L		0.10	1	11/20/2024 14:25
Magnesium	2.51	mg/L		1.00	1	11/20/2024 14:25
Manganese	<0.0200	mg/L		0.02	1	11/20/2024 14:25
Potassium	<1.00	mg/L		1.00	1	11/20/2024 14:25
Sodium	19.7	mg/L		1.00	1	11/20/2024 14:25
Hardness	117	mg/L		1.00	1	11/20/2024 14:25
Phosphorus	<1.00	mg/L		1.00	1	11/20/2024 14:25

Analytical Results



Collector: Geological, Arkansas

Site: FrgSp-1

Work Order Number: WO-241016-03

Sample Classification: Routine Monitoring

Project: EVT

Matrix: Water

Collected: 10/15/2024 9:54

Sample Barcode: 

Sample Number: 2024-2630

ICP/MS Metals (Total)

Method: EPA 200.8 (Rev. 5.4, 1994)

Analyst: PH

Aliquot #: 2024-2630-4-01

Batch Number: AB-241209-001

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Antimony	<2.00	ug/L		2.00	1	12/9/2024 11:35
Arsenic	<1.00	ug/L		1.00	1	12/9/2024 11:35
Barium	35.9	ug/L		1.00	1	12/9/2024 11:35
Beryllium	<1.00	ug/L		1.00	1	12/9/2024 11:35
Cadmium	<0.300	ug/L		0.30	1	12/9/2024 11:35
Chromium	<1.00	ug/L		1.00	1	12/9/2024 11:35
Cobalt	<0.100	ug/L		0.10	1	12/9/2024 11:35
Copper	<0.500	ug/L		0.50	1	12/9/2024 11:35
Lead	0.512	ug/L		0.50	1	12/9/2024 11:35
Nickel	<0.500	ug/L		0.50	1	12/9/2024 11:35
Selenium	<5.00	ug/L		5.00	1	12/9/2024 11:35
Silver	<0.100	ug/L		0.10	1	12/9/2024 11:35
Thallium	<0.500	ug/L		0.50	1	12/9/2024 11:35
Vanadium	<0.200	ug/L		0.20	1	12/9/2024 11:35
Zinc	12.4	ug/L		5.00	1	12/9/2024 11:35

ICP/OES Metals (Total)

Method: EPA 200.7

Analyst: PH

Aliquot #: 2024-2630-4-02

Batch Number: AB-241210-007

Analyte(s)	Result	Units	Q	Reporting	Dilution	Analysis
				Limit		Date and Time
Aluminum	<0.100	mg/L		0.10	1	12/11/2024 11:10
Calcium	42.4	mg/L		1.00	1	12/11/2024 11:10
Iron	<0.100	mg/L		0.10	1	12/11/2024 11:10
Magnesium	2.55	mg/L		1.00	1	12/11/2024 11:10
Manganese	<0.0200	mg/L		0.02	1	12/11/2024 11:10
Potassium	<1.00	mg/L		1.00	1	12/11/2024 11:10
Sodium	19.6	mg/L		1.00	1	12/11/2024 11:10
Phosphorus	<1.00	mg/L		1.00	1	12/11/2024 11:10

QUALITY CONTROL REPORT

Project: **EVT Routine+Metals 2024 2629-2630**

Date and Time Received: 10/16/2024 07:43:00

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
Ammonia as N		SM 4500-NH3 H, 2021					Batch #: AB-241016-003			Parent Sample: 2024-2629				
	mg/L	<0.03	0.03	102.0 /	80-120		-			98.1 / 99.0	80-120	0.8	-	
Orthophosphate as P		SM 4500-P G, 2021					Batch #: AB-241016-008			Parent Sample: 2024-2629				
	mg/L	<0.02	0.02	99.5 /	80-120		-			95.7 / 97.7	80-120	1.9	-	
Nitrate +Nitrite as N		SM 4500-NO3 F, 2019					Batch #: AB-241016-011			Parent Sample: 2024-2629				
	mg/L	<0.05	0.05	98.0 /	80-120		-			1,018.3 / 1,023.3	80-120	0.4	-	
Alkalinity as CaCO3		EPA 310.2 (Rev. 1974)					Batch #: AB-241016-014			Parent Sample:				
	mg/L	<6.00	6.00	104.9 /	90-110		-			/	-		-	
		SM 4500-N(org) C, 2021					Batch #: AB-241016-017			Parent Sample: 2024-2629				
	mg/L	<0.10	0.10	97.4 /	85-115		-			496.0 / 496.0	80-120	0.0	-	
		SM 4500-P G, 2021					Batch #: AB-241016-020			Parent Sample: 2024-2629				
	mg/L	<0.02	0.02	92.5 /	85-115		-			97.7 / 97.2	80-120	0.5	-	
		SM 5310 C, 2014					Batch #: AB-241016-021			Parent Sample: 2024-2629				
	mg/L	<1.00	1,000.00	100.0 /	85-115		-			97.8 / 96.6	80-120	1.2	-	
Anions		EPA 300.0 (Rev.2.1, 1993)					Batch #: AB-241016-024			Parent Sample: 2024-2629				
Br	mg/L	<0.10	0.10	93.4 /	90-110		-			112.1 / 112.2	80-120	0.1	-	
Cl	mg/L	<0.50	0.50	102.3 /	90-110		-			99.8 / 99.7	80-120	0.0	-	
F	mg/L	<0.10	0.10	99.9 /	90-110		-			96.5 / 96.9	80-120	0.4	-	
SO4	mg/L	<0.50	0.50	103.3 /	90-110		-			84.6 / 85.2	80-120	0.3	-	
Total Suspended Solids		SM 2540 D, 2020					Batch #: AB-241016-027			Parent Sample:				
	mg/L	<2.00	2.00	97.5 /	90-110		-			/	-		-	
Total Dissolved Solids		SM 2540 C, 2020					Batch #: AB-241016-030			Parent Sample:				
	mg/L	<10.0	10.00	105.0 /	90-110		-			/	-		-	
Turbidity		EPA 180.1					Batch #: AB-241017-006			Parent Sample:				
	NTU	<0.05	0.05	95.6 /	90-110		-			/	-		-	
Specific Conductance		EPA 120.1, 1982					Batch #: AB-241017-011			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-241119-003			Parent Sample: 2024-2629				
Ag	ug/L	<0.100	0.10	93.6 /	85-115		-			91.6 / 86.9	70-130	5.3	-	

Analyte	Units	Method Blank	Reporting Limit	% Recovery LCS/LCSD	Limits	% RPD	Lab Dup Result	Limits	% RPD	% Recovery MS/MSD	Limits	% RPD	Limits	Qualifiers
As	ug/L	<1.00	1.00	98.3 /	85-115		-			102.6 / 99.9	70-130	2.7	-	
Ba	ug/L	<1.00	1.00	97.4 /	85-115		-			91.9 / 86.4	70-130	3.7	-	
Be	ug/L	<1.00	1.00	94.7 /	85-115		-			103.1 / 97.3	70-130	5.8	-	
Cd	ug/L	<0.300	0.30	98.7 /	85-115		-			102.0 / 98.3	70-130	3.7	-	
Co	ug/L	<0.100	0.10	93.1 /	85-115		-			88.9 / 86.5	70-130	2.7	-	
Cr	ug/L	<1.00	1.00	96.4 /	85-115		-			93.5 / 90.5	70-130	2.8	-	
Cu	ug/L	<0.500	0.50	90.7 /	85-115		-			85.2 / 82.9	70-130	2.8	-	
Ni	ug/L	<0.500	0.50	92.9 /	85-115		-			87.0 / 85.2	70-130	2.0	-	
Pb	ug/L	<0.500	0.50	104.1 /	85-115		-			104.0 / 99.9	70-130	4.0	-	
Sb	ug/L	<2.00	2.00	99.9 /	85-115		-			102.6 / 99.5	70-130	3.1	-	
Se	ug/L	<5.00	5.00	101.9 /	85-115		-			109.8 / 106.9	70-130	2.7	-	
Tl	ug/L	<0.500	0.50	100.6 /	85-115		-			102.1 / 98.7	70-130	3.3	-	
V	ug/L	<0.200	0.20	94.6 /	85-115		-			93.8 / 91.2	70-130	2.7	-	
Zn	ug/L	<5.00	5.00	101.8 /	85-115		-			101.2 / 98.3	70-130	2.3	-	

ICP/OES Metals (Dissolved) EPA 200.7

Batch #: AB-241119-009

Parent Sample: 2024-2629

Al	mg/L	<0.100	0.10	99.3 /	85-115		-			101.5 / 98.1	70-131	3.4	-	
Ca	mg/L	<1.00	1.00	102.9 /	85-115		-			95.8 / 91.0	70-131	0.8	-	
Fe	mg/L	<0.100	0.10	102.3 /	85-115		-			101.1 / 97.8	70-131	3.3	-	
K	mg/L	<1.00	1.00	100.2 /	85-115		-			105.4 / 101.7	70-131	3.4	-	
Mg	mg/L	<1.00	1.00	103.9 /	85-115		-			103.4 / 99.7	70-131	3.2	-	
Mn	mg/L	<0.0200	0.02	101.6 /	85-115		-			99.8 / 96.6	70-131	3.3	-	
Na	mg/L	<1.00	1.00	102.7 /	85-115		-			105.1 / 100.8	70-131	1.8	-	
P	mg/L	<1.00	1.00	102.1 /	85-115		-			104.7 / 100.9	70-131	3.7	-	

EPA 200.8 (Rev. 5.4, 1994)

Batch #: AB-241209-001

Parent Sample: 2024-2620

Ag	ug/L	<0.100	0.10	87.2 /	85-115		-			87.4 / 88.9	70-130	1.6	-	
As	ug/L	<1.00	1.00	96.6 /	85-115		-			102.5 / 101.9	70-130	0.6	-	
Ba	ug/L	<1.00	1.00	96.5 /	85-115		-			91.0 / 93.9	70-130	1.1	-	
Be	ug/L	<1.00	1.00	95.7 /	85-115		-			100.0 / 102.4	70-130	2.3	-	
Cd	ug/L	<0.300	0.30	97.6 /	85-115		-			102.3 / 101.2	70-130	1.0	-	
Co	ug/L	<0.100	0.10	90.6 /	85-115		-			89.9 / 89.4	70-130	0.6	-	
Cr	ug/L	<1.00	1.00	95.4 /	85-115		-			94.1 / 94.0	70-130	0.1	-	
Cu	ug/L	<0.500	0.50	89.1 /	85-115		-			87.0 / 86.8	70-130	0.3	-	
Ni	ug/L	<0.500	0.50	91.3 /	85-115		-			88.9 / 87.5	70-130	1.5	-	
Pb	ug/L	<0.500	0.50	99.2 /	85-115		-			99.1 / 98.5	70-130	0.7	-	
Sb	ug/L	<2.00	2.00	100.9 /	85-115		-			104.9 / 103.9	70-130	0.9	-	
Se	ug/L	<5.00	5.00	99.5 /	85-115		-			110.8 / 110.5	70-130	0.3	-	
Tl	ug/L	<0.500	0.50	96.4 /	85-115		-			96.2 / 96.8	70-130	0.6	-	
V	ug/L	<0.200	0.20	93.0 /	85-115		-			92.8 / 92.5	70-130	0.3	-	
Zn	ug/L	<5.00	5.00	98.6 /	85-115		-			104.6 / 104.4	70-130	0.2	-	

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-241210-007			Parent Sample:			2024-2620	
Al	mg/L	<0.100	0.10	94.3 /	85-115		-			94.3 / 94.2	70-130	0.1	-	
Ca	mg/L	<1.00	1.00	99.4 /	85-115		-			97.3 / 97.6	70-130	0.1	-	
Fe	mg/L	<0.100	0.10	98.6 /	85-115		-			96.2 / 96.0	70-130	0.2	-	
K	mg/L	<1.00	1.00	94.5 /	85-115		-			93.9 / 94.4	70-130	0.5	-	
Mg	mg/L	<1.00	1.00	99.9 /	85-115		-			98.0 / 97.9	70-130	0.1	-	
Mn	mg/L	<0.0200	0.02	99.4 /	85-115		-			96.6 / 96.5	70-130	0.1	-	
Na	mg/L	<1.00	1.00	98.9 /	85-115		-			98.2 / 97.8	70-130	0.3	-	
P	mg/L	<1.00	1.00	98.0 /	85-115		-			97.9 / 97.9	70-130	0.0	-	

FIELD QUALITY CONTROL REPORT

Work Order # WO-241016-03

Parent Sample 2024-2629

Analyte(s)	Parent Sample Result	Field Dup Result	Units	% RPD	Limits	Batch Number
Aliquot #	AB-241016-003 Dup - Field 1		Parent Aliquot #	2024-2629-1-02		
Ammonia as Nitrogen		<0.03	mg/L	0.00	0 - 20	AB-241016-003
Aliquot #	AB-241016-008 Dup - Field 1		Parent Aliquot #	2024-2629-1-05		
Orthophosphate as Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-241016-008
Aliquot #	AB-241016-011 Dup - Field 1		Parent Aliquot #	2024-2629-1-06		
Nitrite+Nitrate as Nitrogen		7.95	mg/L	0.00	0 - 20	AB-241016-011
Aliquot #	AB-241016-014 Dup - Field 1		Parent Aliquot #	2024-2629-1-01		
Alkalinity		123	mg/L	1.64	0 - 20	AB-241016-014
Aliquot #	AB-241016-017 Dup - Field 1		Parent Aliquot #	2024-2629-1-14		
Total Kjeldahl Nitrogen		0.25	mg/L	18.18	0 - 20	AB-241016-017
Aliquot #	AB-241016-020 Dup - Field 1		Parent Aliquot #	2024-2629-1-15		
Total Phosphorus		<0.02	mg/L	0.00	0 - 20	AB-241016-020
Aliquot #	AB-241016-021 Dup - Field 1		Parent Aliquot #	2024-2629-2-01		
Dissolved Organic Carbon		<1.00	mg/L	35.14	0 - 20	AB-241016-021
Aliquot #	AB-241016-024 Dup - Field 1		Parent Aliquot #	2024-2629-1-03		
Fluoride		<0.10	mg/L	0.00	0 - 20	AB-241016-024
Chloride		12.5	mg/L	0.62	0 - 20	AB-241016-024
Bromide		<0.10	mg/L	0.00	0 - 20	AB-241016-024
Sulfate		9.83	mg/L	2.72	0 - 20	AB-241016-024
Aliquot #	AB-241016-027 Dup - Field 1		Parent Aliquot #	2024-2629-1-11		
Total Suspended Solids		<2.00	mg/L	0.00	0 - 5	AB-241016-027
Aliquot #	AB-241016-030 Dup - Field 1		Parent Aliquot #	2024-2629-1-10		
Total Dissolved Solids		204	mg/L	0.24	0 - 5	AB-241016-030
Aliquot #	AB-241017-006 Dup - Field 1		Parent Aliquot #	2024-2629-1-12		
Turbidity		1.09	NTU	14.78	0 - 20	AB-241017-006
Aliquot #	AB-241017-011 Dup - Field 1		Parent Aliquot #	2024-2629-1-07		
Specific Conductance		337	uS/cm	0.00	0 - 20	AB-241017-011
Aliquot #	AB-241018-023 Dup - Field 1		Parent Aliquot #	2024-2629-1-08		
pH		6.79	units	0.00	0 - 20	AB-241018-023
Aliquot #	AB-241018-024 Dup - Field 1		Parent Aliquot #	2024-2629-1-09		
Water Temperature		15.6	°C	0.00	0 - 20	AB-241018-024

Aliquot #	AB-241119-003 Dup - Field 1	Parent Aliquot #	2024-2629-3-01	
Antimony	<2.00	ug/L 0.00	0 - 20	AB-241119-003
Arsenic	<1.00	ug/L 0.00	0 - 20	AB-241119-003
Barium	28.4	ug/L 3.28	0 - 20	AB-241119-003
Beryllium	<1.00	ug/L 0.00	0 - 20	AB-241119-003
Cadmium	<0.300	ug/L 0.00	0 - 20	AB-241119-003
Chromium	<1.00	ug/L 0.00	0 - 20	AB-241119-003
Cobalt	<0.100	ug/L 0.00	0 - 20	AB-241119-003
Copper	<0.500	ug/L 0.00	0 - 20	AB-241119-003
Lead	<0.500	ug/L 0.00	0 - 20	AB-241119-003
Nickel	<0.500	ug/L 0.00	0 - 20	AB-241119-003
Selenium	<5.00	ug/L 0.00	0 - 20	AB-241119-003
Silver	<0.100	ug/L 0.00	0 - 20	AB-241119-003
Thallium	<0.500	ug/L 0.00	0 - 20	AB-241119-003
Vanadium	0.214	ug/L 11.41	0 - 20	AB-241119-003
Zinc	5.15	ug/L 15.23	0 - 20	AB-241119-003

Aliquot #	AB-241119-009 Dup - Field 1	Parent Aliquot #	2024-2629-3-02	
Aluminum	<0.100	mg/L 0.00	0 - 20	AB-241119-009
Calcium	52.6	mg/L 133.87	0 - 20	AB-241119-009
Iron	<0.100	mg/L 0.00	0 - 20	AB-241119-009
Magnesium	1.46	mg/L 0.36	0 - 20	AB-241119-009
Manganese	<0.0200	mg/L 0.00	0 - 20	AB-241119-009
Potassium	<1.00	mg/L 0.00	0 - 20	AB-241119-009
Sodium	13.0	mg/L 0.55	0 - 20	AB-241119-009
Phosphorus	<1.00	mg/L 0.00	0 - 20	AB-241119-009

Aliquot #	AB-241209-001 Dup - Field 2	Parent Aliquot #	2024-2629-4-01	
Antimony	<2.00	ug/L 0.00	0 - 20	AB-241209-001
Arsenic	<1.00	ug/L 0.00	0 - 20	AB-241209-001
Barium	29.5	ug/L 1.74	0 - 20	AB-241209-001
Beryllium	<1.00	ug/L 0.00	0 - 20	AB-241209-001
Cadmium	<0.300	ug/L 0.00	0 - 20	AB-241209-001
Chromium	<1.00	ug/L 0.00	0 - 20	AB-241209-001
Cobalt	<0.100	ug/L 0.00	0 - 20	AB-241209-001
Copper	<0.500	ug/L 0.00	0 - 20	AB-241209-001
Lead	<0.500	ug/L 0.00	0 - 20	AB-241209-001
Nickel	<0.500	ug/L 0.00	0 - 20	AB-241209-001
Selenium	<5.00	ug/L 0.00	0 - 20	AB-241209-001
Silver	<0.100	ug/L 0.00	0 - 20	AB-241209-001
Thallium	<0.500	ug/L 0.00	0 - 20	AB-241209-001
Vanadium	0.201	ug/L 2.47	0 - 20	AB-241209-001
Zinc	<5.00	ug/L 0.00	0 - 20	AB-241209-001

Aliquot #	AB-241210-007 Dup - Field 2	Parent Aliquot #	2024-2629-4-02	
Aluminum	<0.100	mg/L 0.00	0 - 20	AB-241210-007
Calcium	53.3	mg/L 0.95	0 - 20	AB-241210-007

Iron	<0.100	mg/L	0.00	0 - 20	AB-241210-007
Magnesium	1.50	mg/L	0.67	0 - 20	AB-241210-007
Manganese	<0.0200	mg/L	0.00	0 - 20	AB-241210-007
Potassium	<1.00	mg/L	0.00	0 - 20	AB-241210-007
Sodium	12.9	mg/L	0.64	0 - 20	AB-241210-007
Phosphorus	<1.00	mg/L	0.00	0 - 20	AB-241210-007