

## LAB CHRONICLE

OrderID: Client: Contact:	P4846 EA Engineering Science & Tech Jim Hayward	nology		OrderDate: Project: Location:	11/14/2024 10:- Scotia, NY - An M11,VOA Ref. :	nual Testing		
LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4846-01	FSND-MW-EVAL-03D- 20241113	WATER			11/13/24 09:05			11/14/24
			Alkalinity	SM2320 B			11/19/24 10:28	
			Anions Group1	9056A			11/14/24 14:53	
			тос	9060A			11/18/24 13:31	
P4846-01DI	- FSND-MW-EVAL-03D- 20241113DL	WATER			11/13/24 09:05			11/14/24
			Anions Group1	9056A			11/14/24 21:20	
P4846-02	FSND-MW-EVAL-03S- 20241113	WATER			11/13/24 07:51			11/14/24
			Alkalinity	SM2320 B			11/19/24 10:44	
			Anions Group1	9056A			11/14/24 15:14	
			тос	9060A			11/18/24 13:55	
P4846-02DI	- FSND-MW-EVAL-03S- 20241113DL	WATER			11/13/24 07:51			11/14/24
			Anions Group1	9056A			11/14/24 21:42	
P4846-03	FSND-FD-3-20241113	WATER			11/13/24 07:51			11/14/24
			Alkalinity	SM2320 B			11/19/24 10:52	

B C D



			LAB CHRON	TCI F			
			Anions Group1	9056A		11/14/24	
				9030A		15:36	
			TOC	9060A		11/18/24	
						14:20	
P4846-03DL	FSND-FD-3-20241113	WATER			11/13/24		11/14/24
	DL		Aniana Cusuri	00564	07:51	11/14/24	
			Anions Group1	9056A		11/14/24 22:46	
D4046 04	FOND NW EVAL AAC	WATER			11/12/24	22110	11/14/24
P4846-04	FSND-MW-EVAL-04S- 20241113	WAIER			11/13/24 11:00		11/14/24
			Alkalinity	SM2320 B		11/19/24	
						11:00	
			Anions Group1	9056A		11/14/24	
						15:58	
			TOC	9060A		11/18/24	
						14:45	
P4846-04DL	FSND-MW-EVAL-04S-	WATER			11/13/24		11/14/24
	20241113DL				11:00		
			Anions Group1	9056A		11/14/24	
						23:08	
P4846-05	FSND-MW-EVAL-04D-	WATER			11/13/24		11/14/24
	20241113				12:55		
			Alkalinity	SM2320 B		11/19/24	
			Anions Group1	9056A		11:08 11/14/24	
				9030A		16:19	
			TOC	9060A		11/18/24	
						15:10	
P4846-05DL	FSND-MW-EVAL-04D-	WATER			11/13/24		11/14/24
	20241113DL				12:55		,,
			Anions Group1	9056A		11/14/24	
						23:29	
P4846-08	FSND-MW-26-202411	WATER			11/13/24		11/14/24
	13				13:40		
			Alkalinity	SM2320 B		11/19/24	
						11:15	

A B C D



P4846-08DL

P4846-10

P4846-11

P4846-11DL

P4846-12

13

		LAB CHRON	ICLE			
		Anions Group1	9056A		11/14/24 17:24	
		ТОС	9060A		11/18/24	
					16:28	
FSND-MW-26-202411 13DL	WATER			11/13/24 13:40		11/14/24
-		Anions Group1	9056A		11/15/24 00:12	
FSND-RB-3-20241113	WATER			11/13/24 16:17		11/14/24
		Alkalinity	SM2320 B		11/19/24	
					12:44	
		Anions Group1	9056A		11/14/24	
		TOC	9060A		18:28 11/18/24	
		100	9000A		17:41	
FSND-MW-24-202411 13	WATER			11/13/24 13:05		11/14/24
15		Alkalinity	SM2320 B	13.05	11/19/24	
		/ utenine <sub>1</sub>	5. 12520 D		11:26	
		Anions Group1	9056A		11/14/24	
					18:50	
		TOC	9060A		11/18/24	
					18:05	
FSND-MW-24-202411 13DL	WATER			11/13/24 13:05		11/14/24
		Anions Group1	9056A		11/15/24	
					11:08	
FSND-MW-15-202411	WATER			11/13/24		11/14/24

SM2320 B

9056A

16:10

11/19/24 11:34

11/14/24 19:11

Alkalinity

Anions Group1



A B C D

			LAB CHRON	ICLE			
			ТОС	9060A		11/18/24 18:30	
P4846-12DL	FSND-MW-15-202411	WATER			11/13/24		11/14/24
	13DL		Aniana Cusuri	00564	16:10	11/15/24	
			Anions Group1	9056A		11/15/24 11:30	
P4846-13	FSND-MW-EVAL-02D-	WATER			11/13/24		11/14/24
	20241113				11:25		
			Alkalinity	SM2320 B		11/19/24 11:40	
			Anions Group1	9056A		11/14/24	
			· ·			19:33	
			TOC	9060A		11/18/24	
						18:54	
P4846-13DL	FSND-MW-EVAL-02D- 20241113DL	WATER			11/13/24 11:25		11/14/24
	2024111302		Anions Group1	9056A	11.25	11/15/24	
			F			11:51	
P4846-14	FSND-MW-EVAL-02S- 20241113	WATER			11/13/24 10:25		11/14/24
			Alkalinity	SM2320 B		11/19/24	
						11:46	
			Anions Group1	9056A		11/14/24 19:54	
			тос	9060A		19:54	
			100	5000/1		19:18	
P4846-14DL	FSND-MW-EVAL-02S- 20241113DL	WATER			11/13/24 10:25		11/14/24
	20241113DL		Anions Group1	9056A	10:25	11/15/24	
				5000,1		12:13	
P4846-15	FSND-FD-4-20241113	WATER			11/13/24 10:25		11/14/24
			Alkalinity	SM2320 B		11/19/24 11:54	
			Anions Group1	9056A		11:54	
				JUJUA		20:16	



			LAB CHRON	ICLE			
			TOC	9060A		11/18/24 20:34	
P4846-15DL	FSND-FD-4-20241113 DL	WATER			11/13/24 10:25		11/14/24
			Anions Group1	9056A		11/15/24 12:34	
P4846-16	FSND-MW-EVAL-01D- 20241113	WATER			11/13/24 09:15		11/14/24
			Alkalinity	SM2320 B		11/19/24 12:00	
			Anions Group1	9056A		11/14/24 20:37	
			тос	9060A		11/18/24 20:59	
P4846-16DL	FSND-MW-EVAL-01D- 20241113DL	WATER			11/13/24 09:15		11/14/24
			Anions Group1	9056A		11/15/24 12:56	
P4846-17	FSND-MW-EVAL-01S- 20241113	WATER			11/13/24 09:15		11/14/24
			Alkalinity	SM2320 B		11/19/24 12:08	
			Anions Group1	9056A		11/14/24 20:59	
			тос	9060A		11/18/24 21:24	
P4846-17DL	FSND-MW-EVAL-01S- 20241113DL	WATER			11/13/24 09:15		11/14/24
			Anions Group1	9056A		11/15/24 13:17	

A B C D









	Report of Analysis			Α
Client: Project:	EA Engineering Science & Technology Scotia, NY - Annual Testing	Date Collected: Date Received:	11/13/24 09:05 11/14/24	B C
Client Sample ID:	FSND-MW-EVAL-03D-20241113	SDG No.:	P4846	D
Lab Sample ID:	P4846-01	Matrix:	WATER	
		% Solid:	0	/

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	193		1	1.00	1.00	2.00	mg/L		11/19/24 10:28	SM 2320 B-11
Chloride	46.0	OR	1	0.011	0.30	0.60	mg/L		11/14/24 14:53	9056A
Nitrate	0.14	J	1	0.0034	0.25	0.50	mg/L		11/14/24 14:53	9056A
Sulfate	12.2		1	0.032	1.50	3.00	mg/L		11/14/24 14:53	9056A
TOC	1.20		1	0.19	0.50	1.00	mg/L		11/18/24 13:31	9060A

Comments: The alkalinity to pH 4.41=193 mg CaCO3/L

U = Not Dete	ected
	Juiuu

- LOQ = Limit of Quantitation
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- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank

- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits

<sup>\* =</sup> indicates the duplicate analysis is not within control limits.



	Report of Analysis											
Client: EA Engineering Science & Technology Date Collected: 11/13/24 09:05												
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С								
Client Sample ID:	FSND-MW-EVAL-03D-20241113DL	SDG No.:	P4846	D								
Lab Sample ID:	P4846-01DL	Matrix:	WATER									
		% Solid:	0									
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.									
Chloride	39.8 D 10 0.11 3.00 6.00	mg/L	11/14/24 21:20 9056A									

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Nitrate

Sulfate

TOC

mg/L

mg/L

mg/L

11/14/24 15:14

11/14/24 15:14

11/18/24 13:55 9060A

9056A

9056A

					R	eport of Ana	alysis			
Client:	EA	Engine	ering	Science	& Techr	nology		Date Collected:	11/13/24 0	7:51
Project:	Sco	tia, NY	- Anr	nual Test	ing		Date Received: 11/14/24			
Client Sample ID:	Client Sample ID: FSND-MW-EVAL-03S-20241113							SDG No.: P4846		
Lab Sample ID:	P48	346-02						Matrix:	WATER	
								% Solid:	0	
Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	242		1	1.00	1.00	2.00	mg/L		11/19/24 10:44	SM 2320 B-11
Chloride	39.5	OR	1	0.011	0.30	0.60	mg/L		11/14/24 15:14	9056A

0.50

3.00

1.00

Comments: The alkalinity to pH 4.45=242 mg CaCO3/L

1.90

24.4

1.20

1

1

1

0.0034 0.25

0.032

0.19

1.50

0.50

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в



	Report of Analysis												
Client:	Client: EA Engineering Science & Technology Date Collected: 11/13/24 07:51												
Project:	Scotia, NY	- Annual Testing			Date Received:	11/14/24		С					
Client Sample ID:	FSND-MW	-EVAL-03S-202411	13DL		SDG No.:	P4846		D					
Lab Sample ID:	P4846-02D	DL			Matrix:	WATER							
					% Solid:	0							
Parameter	Conc. Qua.	DF MDL LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.						
Chloride	35.1 D	10 0.11 3.00	6.00	mg/L		11/14/24 21:42	2 9056A						

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Nitrate

Sulfate

TOC

mg/L

mg/L

mg/L

11/14/24 15:36

11/14/24 15:36

11/18/24 14:20 9060A

9056A

9056A

					R	eport of An	alysis			
Client:	EA	Enginee	ering	Science	& Techr	nology		Date Collected:	11/13/24 0	7:51
Project:	Scot	tia, NY	- Anr	ual Test	ing			Date Received: 11/14/24		
Client Sample ID:	ample ID: FSND-FD-3-20241113								SDG No.: P4846	
Lab Sample ID:	P484	46-03						Matrix:	WATER	
								% Solid:	0	
Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	241		1	1.00	1.00	2.00	mg/L		11/19/24 10:52	SM 2320 B-11
Chloride	39.7	OR	1	0.011	0.30	0.60	mg/L		11/14/24 15:36	9056A

0.50

3.00

1.00

Comments: The alkalinity to pH 4.50=241 mg CaCO3/L

1.90

24.7

1.10

0.0034 0.25

0.032

0.19

1.50

0.50

1

1

1

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- LOD = Limit of Detection
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в



	Report of Analysis													
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 07:51	В										
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С										
Client Sample ID:	FSND-FD-3-20241113DL	SDG No.:	P4846	D										
Lab Sample ID:	P4846-03DL	Matrix:	WATER											
		% Solid:	0											
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.											
Chloride	35.2 D 10 0.11 3.00 6.00	mg/L	11/14/24 22:46 9056A											

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47.2

0.92

20.8

1.40

OR

1

1

1

1

0.011

0.032

0.19

0.0034 0.25

0.30

1.50

0.50

Chloride

Nitrate

Sulfate

TOC

mg/L

mg/L

mg/L

mg/L

11/14/24 15:58

11/14/24 15:58

11/14/24 15:58

11/18/24 14:45 9060A

9056A

9056A

9056A

			Report of	<sup>-</sup> Analysis			
Client:	EA Engin	eering Science &	Technology	Date Collected:	11/13/24 1	1:00	
Project:	Scotia, NY	Y - Annual Testin	g	Date Received:	11/14/24		
Client Sample ID:	FSND-MV	W-EVAL-04S-20	241113		SDG No.: P4846		
Lab Sample ID:	P4846-04				Matrix:	WATER	
					% Solid:	0	
Parameter	Conc. Qua.	DF MDL	LOD LOQ/CR	QL Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	230	1 1.00	1.00 2.00	mg/L		11/19/24 11:00	SM 2320 B-11

0.60

0.50

3.00

1.00

Comments: The alkalinity to pH 4.38=230 mg CaCO3/L

- U = Not Detected
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- H = Sample Analysis Out Of Hold Time

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	Report of Analysis													
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 11:00	В										
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С										
Client Sample ID:	FSND-MW-EVAL-04S-20241113DL	SDG No.:	P4846	D										
Lab Sample ID:	P4846-04DL	Matrix:	WATER											
		% Solid:	0											
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.											
Chloride	41.0 D 10 0.11 3.00 6.00	mg/L	11/14/24 23:08 9056A											

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Report of Analysis											
Client: Project:	EA Engineering Science & Technology Scotia, NY - Annual Testing	Date Collected: Date Received:	11/13/24 12:55 11/14/24	B							
Client Sample ID:	FSND-MW-EVAL-04D-20241113	SDG No.:	P4846	D							
Lab Sample ID:	P4846-05	Matrix:	WATER								
		% Solid:	0								

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	224		1	1.00	1.00	2.00	mg/L		11/19/24 11:08	SM 2320 B-11
Chloride	47.8	OR	1	0.011	0.30	0.60	mg/L		11/14/24 16:19	9056A
Nitrate	0.91		1	0.0034	0.25	0.50	mg/L		11/14/24 16:19	9056A
Sulfate	20.9		1	0.032	1.50	3.00	mg/L		11/14/24 16:19	9056A
TOC	1.20		1	0.19	0.50	1.00	mg/L		11/18/24 15:10	9060A

Comments: The alkalinity to pH 4.46=224 mg CaCO3/L

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	Report of An	alysis		
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 12:55	В
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С
Client Sample ID:	FSND-MW-EVAL-04D-20241113DL	SDG No.:	P4846	D
Lab Sample ID:	P4846-05DL	Matrix:	WATER	
		% Solid:	0	
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.	
Chloride	41.5 D 10 0.11 3.00 6.00	mg/L	11/14/24 23:29 9056A	

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Sulfate

TOC

mg/L

mg/L

11/14/24 17:24

11/18/24 16:28 9060A

9056A

					R	eport of An	alysis			
Client:	EA	Enginee	ering	Science &	& Techr	ology		Date Collected:	11/13/24 1	3:40
Project:	Scot	tia, NY	- Anr	nual Testi	ng			Date Received:	11/14/24	
Client Sample ID:	FSN	D-MW	-26-2	0241113				SDG No.:	P4846	
Lab Sample ID:	P48-	46-08						Matrix:	WATER	
								% Solid:	0	
Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	197		1	1.00	1.00	2.00	mg/L		11/19/24 11:15	SM 2320 B-11
Chloride	25.2	OR	1	0.011	0.30	0.60	mg/L		11/14/24 17:24	9056A
Nitrate	0.10	J	1	0.0034	0.25	0.50	mg/L		11/14/24 17:24	9056A

3.00

1.00

Comments: The alkalinity to pH 4.40=197 mg CaCO3/L

18.4

2.30

1

1

0.032

0.19

1.50

0.50

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B



	Report of Analysis													
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 13:40	B										
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24											
Client Sample ID:	FSND-MW-26-20241113DL	SDG No.:	P4846	D										
Lab Sample ID:	P4846-08DL	Matrix:	WATER											
		% Solid:	0											
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.											
Chloride	23.7 D 10 0.11 3.00 6.00	mg/L	11/15/24 00:12 9056A											

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



0.25

1.50

0.44

U

U

J

1

1

1

0.0034 0.25

1.50

0.50

0.032

0.19

mg/L

mg/L

mg/L

11/14/24 18:28

11/14/24 18:28

11/18/24 17:41 9060A

9056A

9056A

					R	eport of An	alysis			
Client:	EA	Engine	ering	Science	& Techr	nology		Date Collected:	11/13/24 1	6:17
Project:	Sco	tia, NY	- Anı	nual Test	ing			Date Received:	11/14/24	
Client Sample ID:	FSN	FSND-RB-3-20241113						SDG No.: P4846		
Lab Sample ID:	P48	46-10						Matrix:	Water	
								% Solid:	0	
Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	1.00	U	1	1.00	1.00	2.00	mg/L		11/19/24 12:44	SM 2320 B-11
Chloride	0.091	J	1	0.011	0.30	0.60	mg/L		11/14/24 18:28	9056A

0.50

3.00

1.00

Comments:

Nitrate

Sulfate

TOC

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits

B



41.3

0.25

15.5

0.98

OR

U

J

1

1

1

1

0.011

0.032

0.19

0.0034 0.25

0.30

1.50

0.50

Chloride

Nitrate

Sulfate

TOC

mg/L

mg/L

mg/L

mg/L

11/14/24 18:50

11/14/24 18:50

11/14/24 18:50

11/18/24 18:05 9060A

9056A

9056A

9056A

					Re	eport of An	nalysis				
С	lient:	EA Engine	ering So	cience &	& Techn	ology		Date Collected:	11/13/24 1	3:05	E
P	roject:	Scotia, NY	- Annu	al Testi	ing		Date Received:	11/14/24		C	
С	lient Sample ID:	FSND-MV	V-24-20	241113				SDG No.:	P4846		C
L	ab Sample ID:	P4846-11						Matrix:	WATER		
								% Solid:	0		
Para	meter	Conc. Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	
Alka	linity	191	1	1.00	1.00	2.00	mg/L		11/19/24 11:26	SM 2320 B-11	

0.60

0.50

3.00

1.00

Comments: The alkalinity to pH 4.42=191 mg CaCO3/L

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



	Report of Analysis													
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 13:05	В										
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С										
Client Sample ID:	FSND-MW-24-20241113DL	SDG No.:	P4846	D										
Lab Sample ID:	P4846-11DL	Matrix:	WATER											
		% Solid:	0											
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.											
Chloride	36.6 D 10 0.11 3.00 6.00	mg/L	11/15/24 11:08 9056A											

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
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- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



	Report of Analysis													
Client: Project:	U	eering Science & 7	0,		Date Collected: Date Received:	11/13/24 1 11/14/24	6:10							
Client Sample ID:	FSND-MV	W-15-20241113			SDG No.:	P4846		μ						
Lab Sample ID:	P4846-12				Matrix:	WATER								
					% Solid:	0								
Parameter	Conc. Qua.	DF MDL I	OD LOQ/CRQ	L Units	Prep Date	Date Ana.	Ana Met.							
Alkalinity	246	1 1.00 1	.00 2.00	mg/L		11/19/24 11:34	SM 2320 B-11	-						

Report of Analysis

7 likullily	210		1	1.00	1.00	2.00	mg/L	11/17/2111.51	5101 2520 D
Chloride	41.0	OR	1	0.011	0.30	0.60	mg/L	11/14/24 19:11	9056A
Nitrate	2.00		1	0.0034	0.25	0.50	mg/L	11/14/24 19:11	9056A
Sulfate	19.8		1	0.032	1.50	3.00	mg/L	11/14/24 19:11	9056A
TOC	1.10		1	0.19	0.50	1.00	mg/L	11/18/24 18:30	9060A

Comments: The alkalinity to pH 4.48=246 mg CaCO3/L

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank

- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits

B

<sup>\* =</sup> indicates the duplicate analysis is not within control limits.



	Report of Ana	alysis		
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 16:10	В
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С
Client Sample ID:	FSND-MW-15-20241113DL	SDG No.:	P4846	D
Lab Sample ID:	P4846-12DL	Matrix:	WATER	
		% Solid:	0	
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.	
Chloride	36.5 D 10 0.11 3.00 6.00	mg/L	11/15/24 11:30 9056A	

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
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- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



69.1

0.34

15.2

1.00

OR

J

1

1

1

1

0.011

0.032

0.19

0.0034 0.25

0.30

1.50

0.50

Chloride

Nitrate

Sulfate

TOC

mg/L

mg/L

mg/L

mg/L

11/14/24 19:33

11/14/24 19:33

11/14/24 19:33

11/18/24 18:54

9056A

9056A

9056A

9060A

		R	eport of An	alysis			
Client:	EA Engine	eering Science & Tech	Ι	Date Collected:	11/13/24 1	1:25	
Project:	Scotia, NY	7 - Annual Testing	Ι	Date Received:	11/14/24		
Client Sample ID:	FSND-MV	W-EVAL-02D-202411	13	S	SDG No.:	P4846	
Lab Sample ID:	P4846-13			1	Matrix:	WATER	
				Q	% Solid:	0	
Parameter	Conc. Qua.	DF MDL LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	154	1 1.00 1.00	2.00	mg/L		11/19/24 11:40	SM 2320 B-11

0.60

0.50

3.00

1.00

Comments:	The alkalinity to pH 4.41=154 mg CaCO3/L
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- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



	Report of Ana	alysis		
Client: Project: Client Sample ID:	EA Engineering Science & Technology Scotia, NY - Annual Testing FSND-MW-EVAL-02D-20241113DL	Date Collected: Date Received: SDG No.:	11/13/24 11:25 11/14/24 P4846	B C D
Lab Sample ID: Parameter	P4846-13DL Conc. Qua. DF MDL LOD LOQ/CRQL	Matrix: % Solid: Units Prep Date	WATER 0 Date Ana. Ana Met.	
Chloride	57.2 D 20 0.22 6.00 12.0	mg/L	11/15/24 11:51 9056A	

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
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- J = Estimated Value
- B = Analyte Found in Associated Method Blank
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- E = Indicates the reported value is estimated because of the presence of interference.
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Nitrate

Sulfate

TOC

mg/L

mg/L

mg/L

11/14/24 19:54

11/14/24 19:54

11/18/24 19:18 9060A

9056A

9056A

					R	eport of Ana	alysis			
Client:	EA	Engine	ering	Date Collected:	11/13/24 1	0:25				
Project:	Sco	tia, NY	- Anr	Date Received:	11/14/24					
Client Sample ID:	FSN	ND-MW	-EVA		SDG No.: P484					
Lab Sample ID:	P48	46-14						Matrix:	WATER	
								% Solid:	0	
Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	285		1	1.00	1.00	2.00	mg/L		11/19/24 11:46	SM 2320 B-11
Chloride	80.6	OR	1	0.011	0.30	0.60	mg/L		11/14/24 19:54	9056A

0.50

3.00

1.00

Comments: The alkalinity to pH 4.42=285 mg CaCO3/L

1

1

1

1.10

32.6

1.30

1.50

0.50

0.0034 0.25

0.032

0.19

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



	Report of Ana	lysis		
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 10:25	В
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С
Client Sample ID:	FSND-MW-EVAL-02S-20241113DL	SDG No.:	P4846	D
Lab Sample ID:	P4846-14DL	Matrix:	WATER	
		% Solid:	0	
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.	
Chloride	64.9 D 20 0.22 6.00 12.0	mg/L	11/15/24 12:13 9056A	

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



Nitrate

Sulfate

TOC

mg/L

mg/L

mg/L

					R	eport of Ana	alysis			
Client:	EA	Engine	ering	Science	& Techr	ology	Date Collected:	11/13/24 1	0:25	
Project:	Project: Scotia, NY - Annual Testing									
Client Sample ID:	Client Sample ID: FSND-FD-4-20241113								SDG No.: P4846	
Lab Sample ID:	P48	P4846-15						Matrix:	WATER	
								% Solid:	0	
Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	288		1	1.00	1.00	2.00	mg/L		11/19/24 11:54	SM 2320 B-11
Chloride	79.3	OR	1	0.011	0.30	0.60	mg/L		11/14/24 20:16	9056A

0.50

3.00

1.00

Comments: The alkalinity to pH 4.43=288 mg CaCO3/L

1.10

32.4

1.30

0.0034 0.25

0.032

0.19

1.50

0.50

1

1

1

U = Not Detected

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.

11/14/24 20:16

11/14/24 20:16

11/18/24 20:34 9060A

9056A

9056A

- OR = Over Range
- N =Spiked sample recovery not within control limits



						R	eport of An	alysis				
ſ	Client:	EA	Engine	ering	Science		Date Collected: 11/13/24 10:25			В		
	Project:	Sco	tia, NY	- Anr	ual Test		Date Received: 11/14/24			С		
	Client Sample ID:	FSI	ND-FD-	4-202	41113D		SDG No.: P4846			D		
	Lab Sample ID:	P48	846-15D	L					Matrix:	WATER		
L									% Solid:	0		
Pa	rameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	
Ch	lloride	58.9	D	20	0.22	6.00	12.0	mg/L		11/15/24 12:34	9056A	

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- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
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- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



	Report of Analysis												
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 09:15	В									
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С									
Client Sample ID:	FSND-MW-EVAL-01D-20241113	SDG No.:	P4846	D									
Lab Sample ID:	P4846-16	Matrix:	WATER										
		% Solid:	0										
arameter	Conc. Oua. DF. MDL. LOD. LOO/CROL	Units Pren Date	Date Ana 🛛 🗛 Met										

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	172		1	1.00	1.00	2.00	mg/L		11/19/24 12:00	SM 2320 B-11
Chloride	42.4	OR	1	0.011	0.30	0.60	mg/L		11/14/24 20:37	9056A
Nitrate	0.25	U	1	0.0034	0.25	0.50	mg/L		11/14/24 20:37	9056A
Sulfate	13.8		1	0.032	1.50	3.00	mg/L		11/14/24 20:37	9056A
TOC	1.60		1	0.19	0.50	1.00	mg/L		11/18/24 20:59	9060A

Comments: The alkalinity to pH 4.42=172 mg CaCO3/L

- U = Not Detected
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- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



	Report of Ana	lysis		
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 09:15	В
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С
Client Sample ID:	FSND-MW-EVAL-01D-20241113DL	SDG No.:	P4846	D
Lab Sample ID:	P4846-16DL	Matrix:	WATER	
		% Solid:	0	
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.	
Chloride	37.3 D 10 0.11 3.00 6.00	mg/L	11/15/24 12:56 9056A	

- U = Not Detected
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- LOD = Limit of Detection
- D = Dilution
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- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank

- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits

<sup>\* =</sup> indicates the duplicate analysis is not within control limits.



Nitrate

Sulfate

TOC

mg/L

mg/L

mg/L

11/14/24 20:59

11/14/24 20:59

11/18/24 21:24 9060A

9056A

9056A

					R	eport of Ana	alysis			
Client:	EA Engineering Science & Technology							Date Collected: 11/13/24 09:15		9:15
Project:	Scotia, NY - Annual Testing						Date Received: 11/14/24			
Client Sample ID:	FSND-MW-EVAL-01S-20241113							SDG No.: P4846		
Lab Sample ID:	P4846-17					Matrix:	WATER			
								% Solid:	0	
Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	238		1	1.00	1.00	2.00	mg/L		11/19/24 12:08	SM 2320 B-11
Chloride	57.0	OR	1	0.011	0.30	0.60	mg/L		11/14/24 20:59	9056A

0.50

3.00

1.00

Comments: The alkalinity to pH 4.46=238 mg CaCO3/L

1.70

20.0

1.30

1

1

1

0.032

0.19

0.0034 0.25

1.50

0.50

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
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- N =Spiked sample recovery not within control limits



Report of Analysis									
Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 09:15	В					
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24	С					
Client Sample ID:	FSND-MW-EVAL-01S-20241113DL	SDG No.:	P4846	D					
Lab Sample ID:	P4846-17DL	Matrix:	WATER						
		% Solid:	0						
Parameter	Conc. Qua. DF MDL LOD LOQ/CRQL	Units Prep Date	Date Ana. Ana Met.						
Chloride	48.8 D 10 0.11 3.00 6.00	mg/L	11/15/24 13:17 9056A						

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- H = Sample Analysis Out Of Hold Time

- J = Estimated Value
- B = Analyte Found in Associated Method Blank

- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits

<sup>\* =</sup> indicates the duplicate analysis is not within control limits.









284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

## Initial and Continuing Calibration Verification

Client: EA Engineering S	cience & Tecl	hnology			<b>SDG No.:</b> P4846	
Project: Scotia, NY - Annu	ual Testing				RunNo.: LB133	464
Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	10/16/202
Chloride	mg/L	3	3	100	90-110	10/16/202
luoride	mg/L	2	2	100	90-110	10/16/202
Nitrite	mg/L	3	3	100	90-110	10/16/202
litrate	mg/L	2.5	2.5	100	90-110	10/16/202
Sulfate	mg/L	14.9	15	99	90-110	10/16/202
Orthophosphate as P	mg/L	4.8	5	96	90-110	10/16/202
Sample ID: CCV1						
Bromide	mg/L	9.7	10	97	90-110	11/14/202
hloride	mg/L	2.9	3	97	90-110	11/14/202
luoride	mg/L	2	2	100	90-110	11/14/202
litrite	mg/L	3	3	100	90-110	11/14/202
litrate	mg/L	2.4	2.5	96	90-110	11/14/202
ulfate	mg/L	14.6	15	97	90-110	11/14/202
orthophosphate as P	mg/L	4.9	5	98	90-110	11/14/202
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	11/14/202
Chloride	mg/L	3.2	3	107	90-110	11/14/202
luoride	mg/L	2.1	2	105	90-110	11/14/202
litrite	mg/L	3.2	3	107	90-110	11/14/202
litrate	mg/L	2.7	2.5	108	90-110	11/14/202
Sulfate	mg/L	15.7	15	105	90-110	11/14/202
orthophosphate as P	mg/L	5.3	5	106	90-110	11/14/202
Sample ID: CCV3						
romide	mg/L	10.6	10	106	90-110	11/14/202
chloride	mg/L	3.2	3	107	90-110	11/14/202
luoride	mg/L	2.1	2	105	90-110	11/14/202
litrite	mg/L	3.2	3	107	90-110	11/14/202
litrate	mg/L	2.7	2.5	108	90-110	11/14/202
ulfate	mg/L	15.8	15	105	90-110	11/14/202
orthophosphate as P	mg/L	5.3	5	106	90-110	11/14/202
Sample ID: CCV4						
romide	mg/L	10.6	10	106	90-110	11/15/202
hloride	mg/L	3.2	3	107	90-110	11/15/202
luoride	mg/L	2.1	2	105	90-110	11/15/202
litrite	mg/L	3.2	3	107	90-110	11/15/202
litrate	mg/L	2.7	2.5	108	90-110	11/15/202
Sulfate	mg/L	15.9	15	106	90-110	11/15/202



## Initial and Continuing Calibration Verification

Client: EA Engineering S	cience & Tec	hnology			<b>SDG No.:</b> P4846	
Project: Scotia, NY - Annu	al Testing				RunNo.: LB1334	164
Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Orthophosphate as P	mg/L	5.3	5	106	90-110	11/15/2024
Sample ID: CCV5						
Bromide	mg/L	10.4	10	104	90-110	11/15/2024
Chloride	mg/L	3.1	3	103	90-110	11/15/2024
Fluoride	mg/L	2.1	2	105	90-110	11/15/2024
Nitrite	mg/L	3.1	3	103	90-110	11/15/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/15/2024
Sulfate	mg/L	15.4	15	103	90-110	11/15/2024
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/15/2024
Sample ID: CCV6						
Bromide	mg/L	10.5	10	105	90-110	11/15/2024
Chloride	mg/L	3.1	3	103	90-110	11/15/2024
Fluoride	mg/L	2.1	2	105	90-110	11/15/2024
Nitrite	mg/L	3.1	3	103	90-110	11/15/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/15/2024
Sulfate	mg/L	15.5	15	103	90-110	11/15/2024
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/15/2024
Sample ID: CCV7						
Bromide	mg/L	10.5	10	105	90-110	11/15/2024
Chloride	mg/L	3.1	3	103	90-110	11/15/2024
Fluoride	mg/L	2.1	2	105	90-110	11/15/2024
Nitrite	mg/L	3.1	3	103	90-110	11/15/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/15/2024
Sulfate	mg/L	15.5	15	103	90-110	11/15/2024
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/15/2024



# Initial and Continuing Calibration Verification

Client:	EA Engineering Scie	ence & Tec	chnology			<b>SDG No.:</b> P4846	
Project:	Scotia, NY - Annual	Testing				RunNo.: LB1334	484
Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: TOC	ICV1	mg/L	10.2	10	102	90-110	09/25/2024
Sample ID: TOC	CCV1	mg/L	10.4	10	104	90-110	11/18/2024
Sample ID: TOC	CCV2	mg/L	10.7	10	107	90-110	11/18/2024
Sample ID: TOC	CCV3	mg/L	10.3	10	103	90-110	11/18/2024
Sample ID: TOC	CCV4	mg/L	10.1	10	101	90-110	11/19/2024



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Client: EA Engineering S	Science & Te	chnology			SDG No.:	P4846	
Project: Scotia, NY - Ann	ual Testing				RunNo.:	LB13346	4
Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/16/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/16/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/16/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/16/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/16/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/16/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/16/2024
Sample ID: CCB1							
Bromide	-	< 1.0000	1.0000	U	0.034	2	11/14/2024
Chloride	-	< 0.3000	0.3000	U	0.011	0.6	11/14/2024
Fluoride	-	< 0.2000	0.2000	U	0.057	0.4	11/14/2024
Nitrite	-	< 0.3000	0.3000	U	0.011	0.6	11/14/2024
Nitrate	-	< 0.2500	0.2500	U	0.0034	0.5	11/14/2024
Sulfate	<u> </u>	< 1.5000	1.5000	U	0.032	3	11/14/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/14/2024
Sample ID: CCB2							
Bromide	-	< 1.0000	1.0000	U	0.034	2	11/14/2024
Chloride	-	< 0.3000	0.3000	U	0.011	0.6	11/14/2024
Fluoride	-	< 0.2000	0.2000	U	0.057	0.4	11/14/2024
Nitrite	-	< 0.3000	0.3000	U	0.011	0.6	11/14/2024
Nitrate	-	< 0.2500	0.2500	U	0.0034	0.5	11/14/2024
Sulfate	-	< 1.5000	1.5000	U	0.032	3	11/14/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/14/2024
Sample ID: CCB3	/ <del>-</del>	< 1 0000	1 0000	TT	0.004	•	11/14/0004
Bromide	-	< 1.0000	1.0000	U	0.034	2	11/14/2024
Chloride	-	< 0.3000 < 0.2000	0.3000 0.2000	U U	0.011 0.057	0.6	11/14/2024 11/14/2024
Fluoride Nitrite	-	< 0.2000	0.3000	U	0.011	0.4 0.6	11/14/2024
Nitrate		< 0.2500	0.2500	U	0.0034	0.8	11/14/2024
Sulfate	-	< 1.5000	1.5000	U	0.032	3	11/14/2024
Orthophosphate as P	<u> </u>	< 0.5000	0.5000	U	0.079	1	11/14/2024
Sample ID: CCB4							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/15/2024
Chloride	-	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Fluoride	-	< 0.2000	0.2000	U	0.057	0.4	11/15/2024
Nitrite	-	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/15/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/15/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/15/2024
Sample ID: CCB5							
Bromide	-	< 1.0000	1.0000	U	0.034	2	11/15/2024
Chloride	-	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/15/2024

### **Initial and Continuing Calibration Blank Summary**



Client: EA Engineering	Science & T	echnology			SDG No.:	P4846	
Project: Scotia, NY - Ann	nual Testing				RunNo.:	LB133	464
Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/15/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/15/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/15/2024
Sample ID: CCB6							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/15/2024
Chloride	mg/L	0.071	0.3000	J	0.011	0.6	11/15/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/15/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/15/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/15/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/15/2024
Sample ID: CCB7							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/15/2024
Chloride	mg/L	0.074	0.3000	J	0.011	0.6	11/15/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/15/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/15/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/15/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/15/2024

# Initial and Continuing Calibration Blank Summary



Client:	EA Engineering	g Science & T	echnology			SDG No.:	P4846	
Project:	Scotia, NY - A	nnual Testing				RunNo.:	LB133484	ļ
Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: TOC	ICB1	mg/L	< 0.5000	0.5000	U	0.19	1	09/25/2024
Sample ID: TOC	CCB1	mg/L	0.22	0.5000	J	0.19	1	11/18/2024
Sample ID: TOC	CCB2	mg/L	0.29	0.5000	J	0.19	1	11/18/2024
Sample ID: TOC	CCB3	mg/L	0.28	0.5000	J	0.19	1	11/18/2024
Sample ID: TOC	CCB4	mg/L	0.19	0.5000	J	0.19	1	11/19/2024

### **Initial and Continuing Calibration Blank Summary**



# **Preparation Blank Summary**

Client: EA Engineering	Science & Te	chnology			SDG No.: I	<b>SDG No.:</b> P4846					
Project: Scotia, NY - Anr	ual Testing										
Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date				
ample ID: LB133464	BLW										
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/14/202				
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/14/202				
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/14/202				
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/14/202				
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/14/202				
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/14/202				
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/14/202				
ample ID: LB133464	BLW2										
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/15/202				
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/15/202				
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/15/202				
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/15/202				
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/15/202				
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/15/202				
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/15/202				
ample ID: LB133484	BLW										
TOC	mg/L	0.29	0.5000	J	0.19	1	11/18/202				
ample ID: LB133515	BLW										
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	11/19/202				
ample ID: LB133517											
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	11/19/202				

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6-05
Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.2		0.034	U	10	1	102		11/14/2024
тос	mg/L	75-125	10.3		1.20		10	1	91		11/18/2024
Chloride	mg/L	80-120	49.1	OR	47.8	OR	3	1	43	*	11/14/2024
Fluoride	mg/L	80-120	2.10		0.12	J	2	1	99		11/14/2024
Nitrite	mg/L	80-120	3.10		0.011	U	3	1	103		11/14/2024
Nitrate	mg/L	80-120	3.40		0.91		2.5	1	100		11/14/2024
Sulfate	mg/L	80-120	35.4		20.9		15	1	97		11/14/2024
Orthophosphate as P	mg/L	80-120	5.10		0.079	U	5	1	102		11/14/2024



Project: Scotia, NY - Annual Testing Sample ID: P	P4846-05
	P4846

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.80		0.034	U	10	1	98		11/14/2024
TOC	mg/L	75-125	10.3		1.20		10	1	91		11/18/2024
Chloride	mg/L	80-120	49.1	OR	47.8	OR	3	1	43	*	11/14/2024
Fluoride	mg/L	80-120	2.10		0.12	J	2	1	99		11/14/2024
Nitrite	mg/L	80-120	2.90		0.011	U	3	1	97		11/14/2024
Nitrate	mg/L	80-120	3.30		0.91		2.5	1	96		11/14/2024
Sulfate	mg/L	80-120	34.7		20.9		15	1	92		11/14/2024
Orthophosphate as P	mg/L	80-120	4.90		0.079	U	5	1	98		11/14/2024



Client:	EA Engineering Scie			SDG No.:         P4846           Sample ID:         P4846-14							
Project: Client ID:	Scotia, NY - Annual Testing FSND-MW-EVAL-02S-20241113MS				•		P4840-12 Spike Samj		0		
		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis
alyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date

A B C D



Client:	EA Engineering Scie		<b>SDG No.:</b> P4846								
Project:	Scotia, NY - Annual	Testing			Sample 1	<b>D</b> :	P4846-14	4			
Client ID:	FSND-MW-EVAL-02S-20241113MSD				Percent	Solids for	Spike Sam	ple:	0		
		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis
nalyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	-	Conc. Qualifier	•	Dilution Factor	% Rec	Qual	Analysis Date

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Client:	EA Engineering Science & Technology	<b>SDG No.:</b> P4846	
Project:	Scotia, NY - Annual Testing	<b>Sample ID:</b> P4873-02	
Client ID:	FSND-MW-30-20241114MS	Percent Solids for Spike Sample:	)

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.1		0.034	U	10	1	101		11/15/2024
Chloride	mg/L	80-120	57.6	OR	56.5	OR	3	1	37	*	11/15/2024
Fluoride	mg/L	80-120	2.10		0.15	J	2	1	98		11/15/2024
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		11/15/2024
Nitrate	mg/L	80-120	2.50		0.0034	U	2.5	1	100		11/15/2024
Sulfate	mg/L	80-120	15.8		1.20	J	15	1	97		11/15/2024
Orthophosphate as P	mg/L	80-120	5.10		0.079	U	5	1	102		11/15/2024



Client:	EA Engineering Science & Technology	SDG No.:	P4846	
Project:	Scotia, NY - Annual Testing	Sample ID:	P4873-02	
Client ID:	FSND-MW-30-20241114MSD	Percent Solids fo	or Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.70		0.034	U	10	1	97		11/15/2024
Chloride	mg/L	80-120	57.4	OR	56.5	OR	3	1	30	*	11/15/2024
Fluoride	mg/L	80-120	2.10		0.15	J	2	1	98		11/15/2024
Nitrite	mg/L	80-120	2.90		0.011	U	3	1	97		11/15/2024
Nitrate	mg/L	80-120	2.40		0.0034	U	2.5	1	96		11/15/2024
Sulfate	mg/L	80-120	15.1		1.20	J	15	1	93		11/15/2024
Orthophosphate as P	mg/L	80-120	4.90		0.079	U	5	1	98		11/15/2024



maryce	Units									
Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Client ID:	FSND-MW-EVAL-031	D-20241113DUP			Percent Sol	ids for Spil	ke Sample:	0		
Project:	Scotia, NY - Annual Te	8			Sample ID:	P	4846-01			
Client:	EA Engineering Science	ce & Technology			SDG No.:	P48	346			



ĺ	Client:	EA Engineering Science & Technology	SDG No.:	P4846	
	Project:	Scotia, NY - Annual Testing	Sample ID:	P4846-05	
	Client ID:	FSND-MW-EVAL-04D-20241113MSD	Percent Solids fo	r Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Fluoride	mg/L	+/-15	2.10		2.10		1	0		11/14/2024
Chloride	mg/L	+/-15	49.1	OR	49.1	OR	1	0		11/14/2024
Sulfate	mg/L	+/-15	35.4		34.7		1	2		11/14/2024
Nitrate	mg/L	+/-15	3.40		3.30		1	3		11/14/2024
Bromide	mg/L	+/-15	10.2		9.80		1	4		11/14/2024
Orthophosphate as P	mg/L	+/-15	5.10		4.90		1	4		11/14/2024
Nitrite	mg/L	+/-15	3.10		2.90		1	7		11/14/2024
тос	mg/L	+/-20	10.3		10.3		1	0		11/18/2024



Client ID:	FSND-MW-EVAL-028	-20241113MSD		Percent Sol	ids for Spil	ke Sample:	0		
Analyte	Units	Acceptance Limit	Sample Result	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date



	Units								
Analyte	Units	Acceptance Limit	Sample Result	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Client ID:	FSND-RB-4-20241114	4DUP		Percent Sol	ids for Spil	ke Sample:	0		
Project:	Scotia, NY - Annual T	e		Sample ID:		4873-01			
Client:	EA Engineering Science	ce & Technology		SDG No.:	P48	346			



	Client ID:	FSND-MW-30-20241114MSD	Percent Solids for Spike Sample:	0
	Project:	Scotia, NY - Annual Testing	<b>Sample ID:</b> P4873-02	
ĺ	Client:	EA Engineering Science & Technology	<b>SDG No.:</b> P4846	

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Fluoride	mg/L	+/-15	2.10		2.10		1	0		11/15/2024
Chloride	mg/L	+/-15	57.6	OR	57.4	OR	1	0		11/15/2024
Nitrite	mg/L	+/-15	3.00		2.90		1	3		11/15/2024
Bromide	mg/L	+/-15	10.1		9.70		1	4		11/15/2024
Nitrate	mg/L	+/-15	2.50		2.40		1	4		11/15/2024
Orthophosphate as P	mg/L	+/-15	5.10		4.90		1	4		11/15/2024
Sulfate	mg/L	+/-15	15.8		15.1		1	5		11/15/2024



Client:	EA Engineering Sc	eience & Technol	nce & Technology			No.:	P4846		
Project: Scotia, NY - Annual Testing					Run No.: LB133464				
nalyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
ample ID I	LB133464BSW								
Bromide		mg/L	10	10.4		104	1	90-110	11/14/2024
Chloride		mg/L	3	3.10		103	1	90-110	11/14/2024
luoride		mg/L	2	2.10		105	1	90-110	11/14/2024
litrite		mg/L	3	3.10		103	1	90-110	11/14/2024
litrate		mg/L	2.5	2.60		104	1	90-110	11/14/2024
ulfate		mg/L	15	15.4		103	1	90-110	11/14/2024
Orthophosphate	as P	mg/L	5	5.20		104	1	90-110	11/14/2024



Client:	EA Engineering Sc	Engineering Science & Technology			SDG	No.:	P4846		
Project:	Project: Scotia, NY - Annual Testing				Run	No.:	LB133464		
nalyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
ample ID I	LB133464BSW2								
Bromide		mg/L	10	10.4		104	1	90-110	11/15/2024
Chloride		mg/L	3	3.10		103	1	90-110	11/15/2024
Fluoride		mg/L	2	2.10		105	1	90-110	11/15/2024
Nitrite		mg/L	3	3.10		103	1	90-110	11/15/2024
Nitrate		mg/L	2.5	2.60		104	1	90-110	11/15/2024
Sulfate		mg/L	15	15.4		103	1	90-110	11/15/2024
Orthophosphate	e as P	mg/L	5	5.20		104	1	90-110	11/15/2024

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Client: Project:	EA Engineering Science & Technology Scotia, NY - Annual Testing				SDG No.: Run No.:		P4846 LB133484		
Analyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133484BSW								
TOC		mg/L	10	10.2		102	1	90-110	11/18/2024



Client: Project:	EA Engineering Science & Technology Scotia, NY - Annual Testing				SDG No.: Run No.:		P4846 LB133515		
nalyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
ample ID	LB133515BSW								
lkalinity		mg/L	50	43.6		87	1	80-120	11/19/2024



Client: Project:					SDG Run	No.: No.:	P4846 LB133517		
Analyte		Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID Alkalinity	LB133517BS	mg/L	50	52.6		105	1	80-120	11/19/2024