



SAMPLE DATA

A

B

C

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
Client Sample ID:	FSND-MW-EVAL-03D-20241113	SDG No.:	P4846
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 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 09:05
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03D-20241113DL	SDG No.:	P4846
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

Comments:

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.

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 07:51
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-02	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
Nitrate	1.90		1	0.0034	0.25	0.50	mg/L		11/14/24 15:14	9056A
Sulfate	24.4		1	0.032	1.50	3.00	mg/L		11/14/24 15:14	9056A
TOC	1.20		1	0.19	0.50	1.00	mg/L		11/18/24 13:55	9060A

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

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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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:	EA Engineering Science & Technology	Date Collected:	11/13/24 07:51
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-03S-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-02DL	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	9056A

Comments:

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 07:51
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-3-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-03	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
Nitrate	1.90		1	0.0034	0.25	0.50	mg/L		11/14/24 15:36	9056A
Sulfate	24.7		1	0.032	1.50	3.00	mg/L		11/14/24 15:36	9056A
TOC	1.10		1	0.19	0.50	1.00	mg/L		11/18/24 14:20	9060A

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

U = Not Detected

LOQ = Limit of Quantitation

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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

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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

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 07:51
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-3-20241113DL	SDG No.:	P4846
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

Comments:

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 11:00
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	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
Chloride	47.2	OR	1	0.011	0.30	0.60	mg/L		11/14/24 15:58	9056A
Nitrate	0.92		1	0.0034	0.25	0.50	mg/L		11/14/24 15:58	9056A
Sulfate	20.8		1	0.032	1.50	3.00	mg/L		11/14/24 15:58	9056A
TOC	1.40		1	0.19	0.50	1.00	mg/L		11/18/24 14:45	9060A

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

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

* = 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 11:00
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04S-20241113DL	SDG No.:	P4846
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

Comments:

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 12:55
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113	SDG No.:	P4846
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

U = Not Detected

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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 12:55
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-04D-20241113DL	SDG No.:	P4846
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

Comments:

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.

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 13:40
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-26-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-08	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
Sulfate	18.4		1	0.032	1.50	3.00	mg/L		11/14/24 17:24	9056A
TOC	2.30		1	0.19	0.50	1.00	mg/L		11/18/24 16:28	9060A

Comments: The alkalinity to pH 4.40=197 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 13:40
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-26-20241113DL	SDG No.:	P4846
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

Comments:

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 16:17
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-RB-3-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-10	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
Nitrate	0.25	U	1	0.0034	0.25	0.50	mg/L		11/14/24 18:28	9056A
Sulfate	1.50	U	1	0.032	1.50	3.00	mg/L		11/14/24 18:28	9056A
TOC	0.44	J	1	0.19	0.50	1.00	mg/L		11/18/24 17:41	9060A

Comments:

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.

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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
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-24-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-11	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	191		1	1.00	1.00	2.00	mg/L		11/19/24 11:26	SM 2320 B-11
Chloride	41.3	OR	1	0.011	0.30	0.60	mg/L		11/14/24 18:50	9056A
Nitrate	0.25	U	1	0.0034	0.25	0.50	mg/L		11/14/24 18:50	9056A
Sulfate	15.5		1	0.032	1.50	3.00	mg/L		11/14/24 18:50	9056A
TOC	0.98	J	1	0.19	0.50	1.00	mg/L		11/18/24 18:05	9060A

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

U = Not Detected

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LOD = Limit of Detection

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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.

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 13:05
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-24-20241113DL	SDG No.:	P4846
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

Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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OR = Over Range

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 16:10
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-15-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-12	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	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
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

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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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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 16:10
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-15-20241113DL	SDG No.:	P4846
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

Comments:

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 11:25
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-13	Matrix:	WATER
		% 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
Chloride	69.1	OR	1	0.011	0.30	0.60	mg/L		11/14/24 19:33	9056A
Nitrate	0.34	J	1	0.0034	0.25	0.50	mg/L		11/14/24 19:33	9056A
Sulfate	15.2		1	0.032	1.50	3.00	mg/L		11/14/24 19:33	9056A
TOC	1.00		1	0.19	0.50	1.00	mg/L		11/18/24 18:54	9060A

Comments: The alkalinity to pH 4.41=154 mg CaCO₃/L

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

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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.

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 11:25
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02D-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-13DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	57.2	D	20	0.22	6.00	12.0	mg/L		11/15/24 11:51	9056A

Comments:

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.

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OR = Over Range

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Report of Analysis

Client:	EA Engineering Science & Technology	Date Collected:	11/13/24 10:25
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02S-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-14	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
Nitrate	1.10		1	0.0034	0.25	0.50	mg/L		11/14/24 19:54	9056A
Sulfate	32.6		1	0.032	1.50	3.00	mg/L		11/14/24 19:54	9056A
TOC	1.30		1	0.19	0.50	1.00	mg/L		11/18/24 19:18	9060A

Comments: The alkalinity to pH 4.42=285 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 10:25
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-02S-20241113DL	SDG No.:	P4846
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

Comments:

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 10:25
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-4-20241113	SDG No.:	P4846
Lab Sample ID:	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
Nitrate	1.10		1	0.0034	0.25	0.50	mg/L		11/14/24 20:16	9056A
Sulfate	32.4		1	0.032	1.50	3.00	mg/L		11/14/24 20:16	9056A
TOC	1.30		1	0.19	0.50	1.00	mg/L		11/18/24 20:34	9060A

Comments: The alkalinity to pH 4.43=288 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 10:25
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-FD-4-20241113DL	SDG No.:	P4846
Lab Sample ID:	P4846-15DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	58.9	D	20	0.22	6.00	12.0	mg/L		11/15/24 12:34	9056A

Comments:

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 09:15
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01D-20241113	SDG No.:	P4846
Lab Sample ID:	P4846-16	Matrix:	WATER
		% Solid:	0

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

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 09:15
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01D-20241113DL	SDG No.:	P4846
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

Comments:

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 09:15
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
Nitrate	1.70		1	0.0034	0.25	0.50	mg/L		11/14/24 20:59	9056A
Sulfate	20.0		1	0.032	1.50	3.00	mg/L		11/14/24 20:59	9056A
TOC	1.30		1	0.19	0.50	1.00	mg/L		11/18/24 21:24	9060A

Comments: The alkalinity to pH 4.46=238 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 09:15
Project:	Scotia, NY - Annual Testing	Date Received:	11/14/24
Client Sample ID:	FSND-MW-EVAL-01S-20241113DL	SDG No.:	P4846
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

Comments:

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

LAB CHRONICLE

OrderID:	P4846	OrderDate:	11/14/2024 10:45:00 AM
Client:	EA Engineering Science & Technology	Project:	Scotia, NY - Annual Testing
Contact:	Jim Hayward	Location:	M11,VOA Ref. #3 Water

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	
			TOC	9060A			11/18/24 13:31	
P4846-01DL	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	
			TOC	9060A			11/18/24 13:55	
P4846-02DL	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	

LAB CHRONICLE

			Anions Group1	9056A		11/14/24 15:36	
			TOC	9060A		11/18/24 14:20	
P4846-03DL	FSND-FD-3-20241113 DL	WATER			11/13/24 07:51		11/14/24
			Anions Group1	9056A		11/14/24 22:46	
P4846-04	FSND-MW-EVAL-04S- 20241113	WATER			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- 20241113DL	WATER			11/13/24 11:00		11/14/24
			Anions Group1	9056A		11/14/24 23:08	
P4846-05	FSND-MW-EVAL-04D- 20241113	WATER			11/13/24 12:55		11/14/24
			Alkalinity	SM2320 B		11/19/24 11:08	
			Anions Group1	9056A		11/14/24 16:19	
			TOC	9060A		11/18/24 15:10	
P4846-05DL	FSND-MW-EVAL-04D- 20241113DL	WATER			11/13/24 12:55		11/14/24
			Anions Group1	9056A		11/14/24 23:29	
P4846-08	FSND-MW-26-202411 13	WATER			11/13/24 13:40		11/14/24
			Alkalinity	SM2320 B		11/19/24 11:15	

LAB CHRONICLE

			Anions Group1	9056A	11/14/24 17:24	
			TOC	9060A	11/18/24 16:28	
P4846-08DL	FSND-MW-26-202411 13DL	WATER			11/13/24 13:40	11/14/24
			Anions Group1	9056A	11/15/24 00:12	
P4846-10	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 18:28	
			TOC	9060A	11/18/24 17:41	
P4846-11	FSND-MW-24-202411 13	WATER			11/13/24 13:05	11/14/24
			Alkalinity	SM2320 B	11/19/24 11:26	
			Anions Group1	9056A	11/14/24 18:50	
			TOC	9060A	11/18/24 18:05	
P4846-11DL	FSND-MW-24-202411 13DL	WATER			11/13/24 13:05	11/14/24
			Anions Group1	9056A	11/15/24 11:08	
P4846-12	FSND-MW-15-202411 13	WATER			11/13/24 16:10	11/14/24
			Alkalinity	SM2320 B	11/19/24 11:34	
			Anions Group1	9056A	11/14/24 19:11	

LAB CHRONICLE

TOC 9060A 11/18/24
18:30

P4846-12DL FSND-MW-15-20241113DL WATER 11/13/24 16:10 11/14/24

Anions Group1 9056A 11/15/24
11:30

P4846-13 FSND-MW-EVAL-02D-20241113 WATER 11/13/24 11:25 11/14/24

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

Anions Group1 9056A 11/15/24
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
TOC 9060A 11/18/24
19:18

P4846-14DL FSND-MW-EVAL-02S-20241113DL WATER 11/13/24 10:25 11/14/24

Anions Group1 9056A 11/15/24
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 11/14/24
20:16

LAB CHRONICLE

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

TOC

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

TOC

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