Table 1
Surface Water Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SW 1a	SW 1b	SW 2	SW 3	SW 4	SW 6
Sample ID	SW-1-UNNAMED POND 3	SW 1-030119	SW 2_050218	SW 3_050218	SW 4_050218	SW 6 UNNAMED STREAM
Sample Date	5/2/2018	3/1/2019	5/2/2018	5/2/2018	5/3/2018	5/3/2018
Compound						
6:2-Fluoroteleomersulfonic acid	0.0019 U	0.0018 U	0.0019 U	0.0018 U	0.0096 U	0.0018 U
8:2-Fluorotelomersulfonic acid	0.0056 U	0.0055 U	0.0056 U	0.0055 U	0.029 U	0.0055 U
NEtFOSA	0.0028 U	0.0027 U	0.0028 U	0.0028 U	0.014 U	0.0027 U
NMeFOSA	0.0028 U	0.0027 U	0.0028 U	0.0028 U	0.014 U	0.0027 UJ
Perfluorobutanesulfonic acid (PFBS)	0.00064 J+	0.00054 J	0.00076 J+	0.00041 J+	0.0048 U	0.00092 U
Perfluorobutanoic Acid (PFBA)	0.0042 J	0.0046 J	0.0059	0.018	0.029 U	0.0055 U
Perfluorodecane Sulfonic Acid (PFDS)	0.0019 U	0.0018 U	0.0019 U	0.0018 U	0.0096 U	0.0018 U
Perfluorodecanoic acid (PFDA)	0.0015 J	0.0014 J	0.0033	0.021	0.0096 U	0.0018 U
Perfluorododecanoic acid (PFDoA)	0.00094 U	0.0018 U	0.00071 J	0.0025	0.0048 U	0.00092 U
Perfluoroheptane Sulfonate (PFHPS)	0.0019 U	0.0018 U	0.0019 U	0.0018 U	0.0096 U	0.0018 U
Perfluoroheptanoic acid (PFHpA)	0.052 J+	0.055	0.066 J+	0.081 J+	0.016	0.00051 J
Perfluorohexanesulfonic acid (PFHxS)	0.0019 U	0.0018 U	0.0004 J+	0.0018 U	0.0096 U	0.0018 U
Perfluorohexanoic acid (PFHxA)	0.033 J+	0.031	0.042 J+	0.088 J+	0.0067 J	0.0018 U
Perfluorononanoic acid (PFNA)	0.0064	0.0057	0.0092 J	0.016	0.0033 J	0.0018 U
Perfluorooctane Sulfonamide (FOSA)	0.0028 UJ	0.0027 U	R	R	0.014 U	0.0027 U
Perfluorooctanesulfonic acid (PFOS)	0.0013 J	0.00056 J	0.0022 J+	0.0019	0.0096 U	0.00039 J
Perfluorooctanoic acid (PFOA)	1.9	1.2	2.3	3.1	0.38	0.015
Perfluoropentanoic Acid (PFPeA)	0.008 J+	0.0081	0.011 J+	0.068	0.029 U	0.0055 U
Perfluorotetradecanoic acid (PFTA)	0.00054 J	0.00028 J	0.00093 U	0.0007 J	0.0048 U	0.00092 U
Perfluorotridecanoic Acid (PFTriA)	0.00094 U	0.00091 U	0.00043 J	0.0007 J	0.0048 U	0.00092 U
Perfluoroundecanoic Acid (PFUnA)	0.00039 J	0.00062 J	0.0015 J	0.0037	0.0096 U	0.0018 U
Total Organic Carbon	1900	1600	1700	2100	2200	2200

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. Results from August and October 2019 not included.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "J+"designates result is considered estimated and potentially biased high.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. “R” designates result is rejected.
9. "--" designates compound was not analyzed.

Table 1
Surface Water Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SW 6	SW 7	SW 8	SW 9	SW 10	SW 11
Sample ID	SW 6-030119	SW 7 UNNAMES STREAM	SW 8_050318	SW 9_050318	SW 10_050318	SW 11A
Sample Date	3/1/2019	5/3/2018	5/3/2018	5/3/2018	5/3/2018	5/3/2018
Compound						
6:2-Fluoroteleomersulfonic acid	0.0017 U	0.0018 U	0.18 U	0.0018 U	0.0019 U	0.0018 U
8:2-Fluorotelomersulfonic acid	0.0052 U	0.0055 U	0.55 U	0.0055 U	0.0056 U	0.0055 U
NEtFOSA	0.0026 U	0.0028 U	0.28 U	0.0028 U	0.0028 U	0.0028 U
NMeFOSA	0.0026 U	0.0028 UJ	0.28 U	0.0028 UJ	0.0028 UJ	0.0028 UJ
Perfluorobutanesulfonic acid (PFBS)	0.00086 U	0.00092 U	0.092 U	0.00087 J	0.00066 J	0.00092 U
Perfluorobutanoic Acid (PFBA)	0.0052 U	0.0055 U	0.55 U	0.017	0.014	0.0055 U
Perfluorodecane Sulfonic Acid (PFDS)	0.0017 U	0.0018 U	0.18 U	0.0018 U	0.0019 U	0.0018 U
Perfluorodecanoic acid (PFDA)	0.0017 U	0.0018 U	0.18 U	0.028	0.01	0.0048
Perfluorododecanoic acid (PFDoA)	0.0017 U	0.00092 U	0.092 U	0.0009 J	0.00093 U	0.00087 J
Perfluoroheptane Sulfonate (PFHPS)	0.0017 U	0.0018 U	0.18 U	0.0018 U	0.0019 U	0.0018 U
Perfluoroheptanoic acid (PFHpA)	0.00072 J	0.00052 J	0.12	0.091 J+	0.081 J+	0.0082
Perfluorohexanesulfonic acid (PFHxS)	0.0017 U	0.0018 U	0.18 U	0.00041 J	0.0019 U	0.0018 U
Perfluorohexanoic acid (PFHxA)	0.0017 U	0.0018 U	0.074 J	0.081 J+	0.075 J+	0.0062
Perfluorononanoic acid (PFNA)	0.0017 U	0.0018 U	0.04 J	0.022	0.018	0.0031
Perfluorooctane Sulfonamide (FOSA)	0.0026 U	0.0028 U	0.28 U	0.0028 U	0.0028 U	0.0028 U
Perfluorooctanesulfonic acid (PFOS)	0.0017 U	0.0018 U	0.18 U	0.0065	0.0026	0.00048 J
Perfluorooctanoic acid (PFOA)	0.02	0.015	14	3.2	2.2	0.25
Perfluoropentanoic Acid (PFPeA)	0.0052 U	0.0055 U	0.55 U	0.042	0.033	0.002 J
Perfluorotetradecanoic acid (PFTA)	0.00086 U	0.00092 U	0.092 U	0.00092 U	0.00093 U	0.00092 U
Perfluorotridecanoic Acid (PFTriA)	0.00086 U	0.00092 U	0.092 U	0.00035 J	0.00093 U	0.00092 U
Perfluoroundecanoic Acid (PFUnA)	0.0017 U	0.0018 U	0.18 U	0.0016 J	0.00048 J	0.0013 J
Total Organic Carbon	1400	2200	4200	1700	1500	1800

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. Results from August and October 2019 not included.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "J+"designates result is considered estimated and potentially biased high.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. “R” designates result is rejected.
9. "--" designates compound was not analyzed.

Table 1
Surface Water Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SW 11	SW 12	SW 13	SW 13	SW 14	SW 14
Sample ID	SW 11B	SW 12_050318	SW 13 LITTLE HOOSICK	SW 13-030119	SW 14_050718	DUP 3
Sample Date	5/3/2018	5/3/2018	5/3/2018	3/1/2019	5/7/2018	5/7/2018
Compound						
6:2-Fluoroteleomersulfonic acid	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 UJ	0.0018 U
8:2-Fluorotelomersulfonic acid	0.0053 U	0.0054 U	0.0055 U	0.0054 U	0.0055 U	0.0055 U
NEtFOSA	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0028 U
NMeFOSA	0.0027 UJ	0.0027 UJ	0.0027 UJ	0.0027 U	0.0027 U	0.0028 U
Perfluorobutanesulfonic acid (PFBS)	0.00089 U	0.00069 J+	0.00091 U	0.00089 U	0.00075 J	0.00079 J
Perfluorobutanoic Acid (PFBA)	0.0047 J	0.04	0.0055 U	0.0054 U	0.01 J-	0.011
Perfluorodecane Sulfonic Acid (PFDS)	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Perfluorodecanoic acid (PFDA)	0.012	0.0033	0.0018 U	0.0018 U	0.0041 J-	0.0056
Perfluorododecanoic acid (PFDoA)	0.003	0.0009 U	0.00091 U	0.0018 U	0.00091 U	0.00047 J
Perfluoroheptane Sulfonate (PFHPS)	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 UJ	0.0018 U
Perfluoroheptanoic acid (PFHpA)	0.02	0.1	0.0012	0.00084 J	0.082	0.096 J+
Perfluorohexanesulfonic acid (PFHxS)	0.0018 U	0.00054 J	0.0018 U	0.0018 U	0.0018 U	0.00041 J
Perfluorohexanoic acid (PFHxA)	0.018	0.077	0.00097 J	0.0006 J	0.063	0.069 J+
Perfluorononanoic acid (PFNA)	0.009	0.0062	0.0018 U	0.0018 U	0.014	0.014
Perfluorooctane Sulfonamide (FOSA)	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0027 UJ	0.0028 UJ
Perfluorooctanesulfonic acid (PFOS)	0.00086 J	0.0024	0.00047 J	0.0018 U	0.0013 J-	0.0018 J
Perfluorooctanoic acid (PFOA)	0.49	1.6	0.031	0.017	1.4 J	4 J
Perfluoropentanoic Acid (PFPeA)	0.0091	0.057	0.0055 U	0.0054 U	0.018 J-	0.02
Perfluorotetradecanoic acid (PFTA)	0.00059 J	0.0009 U	0.00091 U	0.00089 U	0.00091 U	0.00092 U
Perfluorotridecanoic Acid (PFTriA)	0.0014	0.0009 U	0.00091 U	0.00089 U	0.00091 U	0.00028 J
Perfluoroundecanoic Acid (PFUnA)	0.0034	0.0018 U	0.0018 U	0.0018 U	0.00058 J	0.00082 J
Total Organic Carbon	1800	2000	1300	960 J	2000	1900

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. Results from August and October 2019 not included.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "J+"designates result is considered estimated and potentially biased high.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. “R” designates result is rejected.
9. "--" designates compound was not analyzed.

Table 1
Surface Water Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	EB-SurfWater
Sample ID	EB 1-030119
Sample Date	3/1/2019
Compound	
6:2-Fluoroteleomersulfonic acid	0.0018 U
8:2-Fluorotelomersulfonic acid	0.0053 U
NEtFOSA	0.0026 U
NMeFOSA	0.0026 U
Perfluorobutanesulfonic acid (PFBS)	0.00088 U
Perfluorobutanoic Acid (PFBA)	0.0053 U
Perfluorodecane Sulfonic Acid (PFDS)	0.0018 U
Perfluorodecanoic acid (PFDA)	0.0018 U
Perfluorododecanoic acid (PFDoA)	0.0018 U
Perfluoroheptane Sulfonate (PFHPS)	0.0018 U
Perfluoroheptanoic acid (PFHpA)	0.00088 U
Perfluorohexanesulfonic acid (PFHxS)	0.0018 U
Perfluorohexanoic acid (PFHxA)	0.0018 U
Perfluorononanoic acid (PFNA)	0.0018 U
Perfluorooctane Sulfonamide (FOSA)	0.0026 U
Perfluorooctanesulfonic acid (PFOS)	0.0018 U
Perfluorooctanoic acid (PFOA)	0.00088 U
Perfluoropentanoic Acid (PFPeA)	0.0053 U
Perfluorotetradecanoic acid (PFTA)	0.00088 U
Perfluorotridecanoic Acid (PFTriA)	0.00088 U
Perfluoroundecanoic Acid (PFUnA)	0.0018 U

Total Organic Carbon	---

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. Results from August and October 2019 not included.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "J+"designates result is considered estimated and potentially biased high.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. “R” designates result is rejected.
9. "--" designates compound was not analyzed.

Table 1
Surface Water Sampling Results
Major Cations
Taconic - Petersburg, New York

Analysis	Surface Water Quality Criteria Class C	SW 1b SW 1-030119 3/1/2019	SW 6 SW 6-030119 3/1/2019	SW 13 SW 13-030119 3/1/2019
Calcium	NC	4,550	3,340	12,100
Magnesium	NC	1,240	496	2,390
Potassium	NC	363 J	295 J	654
Sodium	NC	6,150	3,620	12,200

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1.
3. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. Results from October 2019 not included.
5. "J" designates result is considered estimated.

Table 1
Surface Water Sampling Results
Anions
Taconic - Petersburg, New York

Analysis	Surface Water Quality Criteria Class C	SW 1b SW 1-030119 3/1/2019	SW 6 SW 6-030119 3/1/2019	SW 13 SW 13-030119 3/1/2019
Alkalinity, Bicarbonate (As CaCO3)	NC	8.6	4.5 J	32.5
Alkalinity, Carbonate (As CaCO3)	NC	5 U	5 U	5 U
Alkalinity, Total (As CaCO3)	NC	8.6	4.5 J	32.5
Chloride (As Cl)	NC	9.6	5.9	20.7
Sulfate (As SO4)	NC	6.4	5.2	6.4

Notes:

1. Results are in milligrams per liter (mg/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "NC" indicates there are no standards or guidance values available.
3. Alkalinity and chloride, sulfate quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method SM2330B and E300.0 respectively by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. Results from October 2019 not included.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.

Table 2
Sediment Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SED 1 UNNAMED POND 3	SED 2	SED 3	SED 3		SED 4
Sample ID	SED 1 UNNAMED POND 3	SED 2	SED 3	DUP 4	EB	SED 4
Sample Date	5/2/2018	5/2/2018	5/2/2018	5/7/2018	5/2/2018	5/3/2018
Compound						
6:2 fluorotelomersulfonate	3.7 U	4 U	5.9 U	7 U	0.0019 U	3.4 U
8:2 fluorotelomersulfonate	3.7 U	4 U	5.9 U	7 U	0.0056 U	3.4 U
NEtFOSAA	3.7 U	4 U	5.9 U	7 U	0.0028 U	3.4 U
NMeFOSSA	3.7 U	4 U	5.9 U	7 U	0.0028 U	3.4 UJ
Perfluorobutanesulfonate	1.1 U	1.2 U	1.8 U	2.1 U	0.00093 U	1 U
Perfluorobutanoic acid	1.1 U	1.2 U	2	1.3 J	0.0056 U	1 U
Perfluorodecanesulfonate	1.8 U	2 U	2.9 U	3.5 U	0.0019 U	1.7 U
Perfluorodecanoic acid	0.75 J	1.2 U	22	14	0.0019 U	1 U
Perfluorododecanoic acid	1.5	1.8	200	170	0.00093 U	1 U
Perfluoroheptanesulfonate	1.1 U	1.2 U	1.8 U	2.1 U	0.0019 U	1 U
Perfluoroheptanoic acid	0.61 J	1.2 U	1.6 J	1.2 J	0.00093 U	0.35 J
Perfluorohexanesulfonic acid	1.1 U	1.2 U	1.8 U	2.1 U	0.0019 U	1 U
Perfluorohexanoic acid	0.67 J	1.2 U	2.5	1.2 J	0.0019 U	1 U
Perfluorononanoic acid	1.1 U	1.2 U	1.6 J	1.6 J	0.0019 U	1 U
Perfluorooctanesulfonamide	1.1 UJ	1.2 UJ	1.8 UJ	2.1 UJ	0.0028 UJ	1 U
Perfluoro-octanesulfonate (PFOS)	1.7 U	1.8 U	2.7 U	3.1 U	0.0019 U	1.5 U
Perfluorooctanoic acid (PFOA)	12	8.1	48	35	0.00093 U	4.2
Perfluoropentanoic acid	0.58 J	1.2 U	3.7 J	2.3 J-	0.0056 U	1 UJ
Perfluorotetradecanoic acid	0.74 J	1.5	130	85	0.00093 U	1 U
Perfluorotridecanoic acid	1.3	2.2	130	130	0.00093 U	1 U
Perfluoroundecanoic acid	1.7	1.1 J	35	23	0.0019 U	0.38 J
Total Organic Carbon (TOC)	30,300,000	42,600,000	86,400,000	146,000,000	1,000 U	29,300,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using United States Environmental Protection Agency (USEPA) Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "UJ" designates compound is not detected at or above the estimated LOQ.
5. "J" designates result is considered estimated.
6. "J-" designates result is considered estimated and potentially biased low.
7. "--" designates compound was not analyzed.

Table 2
Sediment Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SED 5	SED 6	SED 8	SED 9	SED 10	SED 11
Sample ID	SED 5 UNNAMED STREAM 2	SED 6 UNNAMED STREAM 1	SED 8	SED 9	SED 10	SED 11
Sample Date	5/3/2018	5/3/2018	5/3/2018	5/3/2018	5/3/2018	5/3/2018
Compound						
6:2 fluorotelomersulfonate	2.6 U	2.3 U	4.3 U	2.2 U	2.3 U	2.2 U
8:2 fluorotelomersulfonate	2.6 U	2.3 U	4.3 U	2.2 U	2.3 U	2.2 U
NEtFOSAA	2.6 U	2.3 U	4.3 U	2.2 U	2.3 U	2.2 U
NMeFOSSA	2.6 UJ	2.3 UJ	4.3 UJ	2.2 UJ	2.3 UJ	2.2 UJ
Perfluorobutanesulfonate	0.79 U	0.69 U	1.3 U	0.67 U	0.68 U	0.67 U
Perfluorobutanoic acid	0.79 U	0.69 U	0.48 J	0.67 U	0.68 U	0.67 U
Perfluorodecanesulfonate	1.3 U	1.2 U	2.1 U	1.1 U	1.1 U	1.1 U
Perfluorodecanoic acid	0.79 U	0.69 U	5.8	0.67 U	0.74	0.67 U
Perfluorododecanoic acid	0.79 U	0.27 J	16	0.67 U	0.92	0.66 J
Perfluoroheptanesulfonate	0.79 U	0.69 U	1.3 U	0.67 U	0.68 U	0.67 U
Perfluoroheptanoic acid	0.79 U	0.69 U	5.8	0.67 U	1.4	0.67 U
Perfluorohexanesulfonic acid	0.79 U	0.69 U	1.3 U	0.67 U	0.68 U	0.67 U
Perfluorohexanoic acid	0.79 U	0.69 U	3	0.67 U	0.47 J	0.67 U
Perfluorononanoic acid	0.79 U	0.69 U	1.3	0.67 U	0.35 J	0.67 U
Perfluorooctanesulfonamide	0.79 U	0.69 U	1.3 U	0.67 U	0.68 U	0.67 U
Perfluoro-octanesulfonate (PFOS)	1.2 U	1 U	0.72 J	1 U	1 U	1 U
Perfluorooctanoic acid (PFOA)	0.58 J	0.54 J	610	4.3	52	2.3
Perfluoropentanoic acid	0.79 U	0.69 U	0.81 J	0.67 U	0.68 UJ	0.67 U
Perfluorotetradecanoic acid	0.79 U	0.69 U	16	0.67 U	1.3	0.93
Perfluorotridecanoic acid	0.79 U	0.69 U	17	0.67 U	0.87	0.9
Perfluoroundecanoic acid	0.79 U	0.33 J	4.9	0.67 U	0.35 J	0.24 J
Total Organic Carbon (TOC)	7,460,000	1,960,000 J	41,900,000	12,900,000	22,800,000	1,730,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using United States Environmental Protection Agency (USEPA) Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "UJ" designates compound is not detected at or above the estimated LOQ.
5. "J" designates result is considered estimated.
6. "J-" designates result is considered estimated and potentially biased low.
7. "--" designates compound was not analyzed.

Table 2
Sediment Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SED 12		SED 14		
Sample ID	SED 12	FRB050318	SED 14	FRB-3	EB-2
Sample Date	5/3/2018	5/3/2018	5/7/2018	5/7/2018	5/7/2018
Compound					
6:2 fluorotelomersulfonate	5.1 U	0.0018 U	2.7 U	0.0018 U	0.0018 U
8:2 fluorotelomersulfonate	5.1 U	0.0055 U	2.7 U	0.0054 U	0.0055 U
NEtFOSAA	5.1 U	0.0027 U	2.7 U	0.0027 U	0.0028 U
NMeFOSSA	5.1 UJ	0.0027 UJ	2.7 U	0.0027 U	0.0028 U
Perfluorobutanesulfonate	1.5 U	0.00091 U	0.81 U	0.00091 U	0.00092 U
Perfluorobutanoic acid	1.5 U	0.0055 U	0.37 J	0.0054 U	0.0055 U
Perfluorodecanesulfonate	2.5 U	0.0018 U	1.3 U	0.0018 U	0.0018 U
Perfluorodecanoic acid	0.71 J	0.0018 U	0.91	0.0018 U	0.0018 U
Perfluorododecanoic acid	0.71 J	0.00091 U	2.4	0.00091 U	0.00092 U
Perfluoroheptanesulfonate	1.5 U	0.0018 U	0.81 U	0.0018 U	0.0018 U
Perfluoroheptanoic acid	1 J	0.00091 U	0.81 U	0.00091 U	0.00092 U
Perfluorohexanesulfonic acid	1.5 U	0.0018 U	0.81 U	0.0018 U	0.0018 U
Perfluorohexanoic acid	1.5 U	0.0018 U	0.37 J	0.0018 U	0.0018 U
Perfluorononanoic acid	1.5 U	0.0018 U	0.81 U	0.0018 U	0.0018 U
Perfluorooctanesulfonamide	1.5 U	0.0027 U	0.81 UJ	0.0027 UJ	0.0028 UJ
Perfluoro-octanesulfonate (PFOS)	2.3 U	0.0018 U	1.2 U	0.0018 U	0.0018 U
Perfluorooctanoic acid (PFOA)	29	0.00091 U	8.9	0.00091 U	0.00092 U
Perfluoropentanoic acid	1.5 UJ	0.0055 U	0.5 J	0.0054 U	0.0055 U
Perfluorotetradecanoic acid	1.5 U	0.00091 U	1.1	0.00091 U	0.00092 U
Perfluorotridecanoic acid	0.62 J	0.00091 U	0.95	0.00091 U	0.00092 U
Perfluoroundecanoic acid	1.1 J	0.0018 U	1.4	0.0018 U	0.0018 U
Total Organic Carbon (TOC)	79,800,000	--	11,200,000	--	1,000 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using United States Environmental Protection Agency (USEPA) Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "UJ" designates compound is not detected at or above the estimated LOQ.
5. "J" designates result is considered estimated.
6. "J-" designates result is considered estimated and potentially biased low.
7. "--" designates compound was not analyzed.

Table 2
Sediment Sample Results
Volatile Organic Compounds
Taconic - Petersburgh, New York

Compound	Sediment Quality Criteria Sediment Guidance Values	Sample Location: SED 1 UNNAMED POND 3 Sample ID: SED 1 unnamed Pond 3 Sample Date: 5/2/2018	SED 3 SED 3 5/2/2018	SED 3 DUP-4 5/7/2018	EB-2 5/7/2018
1,1,1-Trichloroethane	1,900	9.0 U	19 U	17 U	0.50 U
1,1,2,2-Tetrachloroethane	2,800	9.0 UJ	19 UJ	17 UJ	0.50 U
1,1,2-Trichloroethane	1,900	9.0 U	19 U	17 U	0.50 U
1,1-Dichloroethane	NC	9.0 U	19 U	17 U	0.50 U
1,1-Dichloroethene	520	9.0 U	19 U	17 U	0.50 U
1,2,3-Trichlorobenzene	230	9.0 UJ	19 UJ	17 UJ	0.50 U
1,2,4-Trichlorobenzene	35,000	9.0 UJ	19 UJ	17 UJ	0.50 U
1,2-Dibromo-3-chloropropane	NC	9.0 UJ	19 UJ	17 UJ	0.50 U
1,2-Dibromoethane	NC	9.0 U	19 U	17 U	0.50 U
1,2-Dichlorobenzene	280	9.0 UJ	19 UJ	17 UJ	0.50 U
1,2-Dichloroethane	NC	9.0 U	19 U	17 U	0.50 U
1,2-Dichloropropane	NC	9.0 U	19 U	17 U	0.50 U
1,3-Dichlorobenzene	1,800	9.0 UJ	19 UJ	17 UJ	0.50 U
1,4-Dichlorobenzene	720	9.0 UJ	19 UJ	17 UJ	0.50 U
2-Butanone	NC	24	55 J	110 J-	5.0 U
2-Hexanone	NC	19 U	39 U	34 U	5.0 U
4-Methyl-2-Pentanone	NC	19 U	39 U	34 U	5.0 U
Acetone	NC	480 J+	810 J	1700 J-	5.0 U
Benzene	530	9.0 U	19 U	17 U	0.50 U
Bromochloromethane	NC	9.0 U	19 U	17 U	0.50 U
Bromodichloromethane	NC	9.0 U	19 U	17 U	0.50 U
Bromoform	NC	9.0 U	19 U	17 U	0.50 U
Bromomethane	NC	9.0 U	19 U	17 U	0.50 U
Carbon disulfide	NC	9.0 U	19 U	17 U	1.0 U
Carbon Tetrachloride	1,070	9.0 U	19 U	17 U	0.50 U
Chlorobenzene	200	9.0 U	19 U	17 U	0.50 U
Chloroethane	NC	9.0 U	19 U	17 U	0.50 U
Chloroform	NC	9.0 U	19 U	17 U	0.50 U
Chloromethane	NC	9.0 U	19 U	17 U	0.50 U
cis-1,2-Dichloroethene	NC	9.0 U	19 U	17 U	0.50 U
Cis-1,3-Dichloropropene	NC	9.0 U	19 U	17 U	0.50 U
Cyclohexane	NC	9.0 U	19 U	17 U	0.50 U
Dibromochloromethane	NC	9.0 U	19 U	17 U	0.50 U
Dichlorodifluoromethane	NC	9.0 U	19 U	17 U	0.50 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	NC	19 U	39 U	34 U	0.50 U
Ethylbenzene	430	9.0 U	19 U	17 U	0.50 U
Isopropylbenzene	210	9.0 U	19 U	17 U	0.50 U
m,p-Xylene	590	9.0 U	19 U	17 U	0.50 U
Methyl Acetate	NC	12	19 U	14 J	1.0 U
Methylcyclohexane	NC	9.0 U	19 U	17 U	0.50 U
Methylene Chloride	NC	9.0 U	19 U	17 U	0.50 U
MTBE	NC	9.0 U	19 U	17 U	0.50 U
o-Xylene	820	9.0 U	19 U	17 U	0.50 U
Styrene	NC	9.0 U	19 U	17 U	0.50 U
Tetrachloroethene	16,000	9.0 U	19 U	17 U	0.50 U
Toluene	930	2 J	19 U	5 J	0.50 U
trans-1,2-Dichloroethene	1,200	9.0 U	19 U	17 U	0.50 U
Trans-1,3-Dichloropropene	NC	9.0 U	19 U	17 U	0.50 U
Trichloroethene	1,800	9.0 U	19 U	17 U	0.50 U
Trichlorofluoromethane	NC	9.0 U	19 U	17 U	0.50 U
Vinyl Chloride	NC	9.0 U	19 U	17 U	0.50 U
Xylenes (total)	NC	9.0 U	19 U	17 U	0.50 U

Notes:

1. Results and regulatory criteria are in micrograms per kilogram (ug/kg).
2. Regulatory criteria are Sediment Guidance Values from NYSDEC Screening and Assessment of Contaminated Sediment, Division of Fish, Wildlife and Marine Resources Bureau of Habitat. June 24, 2014. "NC" indicates there are no guidance values available. Exceedances are bolded.
3. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "UJ" designates compound is not detected at or above the estimated LOQ.
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.

Table 2
Sediment Sample Results
Semi-Volatile Organic Compounds
Taconic - Petersburgh, New York

Compound	Sample Location / Sample ID / Sample Date: Sediment Quality Criteria Sediment Guidance Values	SED-1 UNNAMED POND 3 / SED 1 unnamed Pond 3 / 5/2/2018	SED-3 / SED-3 / 5/2/2018	SED-3 / DUP 4 / 5/7/2018	EB-2 / 5/7/2018
1,1'-Biphenyl	NC	74 U	110 U	140 U	10 U
1,2,4,5-Tetrachlorobenzene	3,000	74 U	110 U	140 U	2.0 U
1,4-Dioxane	NC	670 U	970 U	1300 U	0.30 U
2,3,4,6-Tetrachlorophenol	NC	340 U	490 U	630 U	10 U
2,4,5-Trichlorophenol	NC	100 U	150 U	190 U	2.0 U
2,4,6-Trichlorophenol	NC	100 U	150 U	190 U	2.0 U
2,4-Dichlorophenol	NC	74 U	110 U	140 U	2.0 U
2,4-Dimethylphenol	NC	74 UJ	110 U	140 U	10 U
2,4-Dinitrophenol	NC	2000 UJ	2900 U	3800 U	31 U
2,4-Dinitrotoluene	NC	340 U	490 U	630 U	5.0 U
2,6-Dinitrotoluene	NC	100 U	150 U	190 U	2.0 U
2-Chloronaphthalene	NC	67 U	97 U	130 U	1.0 U
2-Chlorophenol	NC	74 U	110 U	140 U	2.0 U
2-Methylnaphthalene	NC	26 J	97 U	130 U	0.50 U
2-Methylphenol	NC	130 U	190 U	250 U	2.0 U
2-Nitroaniline	NC	100 UJ	150 U	190 U	7.0 U
2-Nitrophenol	NC	74 U	110 U	140 U	10 U
3&4-Methylphenol	NC	100 U	80 J	190 U	2.0 U
3,3-Dichlorobenzidine	NC	R	R	1300 U	10 U
3-Nitroaniline	NC	R	490 UJ	630 U	7.0 U
4,6-Dinitro-2-methylphenol	NC	1000 UJ	1500 U	1900 U	22 U
4-Bromophenyl-phenylether	NC	100 U	150 U	190 U	2.0 U
4-Chloro-3-methylphenol	NC	67 U	97 U	130 U	2.0 U
4-Chloroaniline	NC	R	490 U	630 U	10 U
4-Chlorophenyl-phenylether	NC	74 U	110 U	140 U	2.0 U
4-Nitroaniline	NC	R	490 U	630 U	3.0 U
4-Nitrophenol	NC	1000 U	1500 U	1900 U	31 U
Acenaphthene	NC	34 U	49 U	63 U	0.50 U
Acenaphthylene	NC	17 J	49 U	25 J	0.50 U
Acetophenone	NC	100 U	74 J	130 J	10 U
Anthracene	NC	27 J-	16 J	63 U	0.50 U
Atrazine	NC	340 U	490 U	630 U	5.0 U
Benzaldehyde	NC	340 U	520	750	10 U
Benzo[a]anthracene	NC	110	60	75	0.50 U
Benzo[a]pyrene	NC	92 J	68 J	88 J-	0.50 U
Benzo[b]fluoranthene	NC	180 J-	150 J-	180	0.50 U
Benzo[g,h,i]perylene	NC	100	65	95	0.50 U
Benzo[k]fluoranthene	NC	86	49	73	0.50 U
Bis(2-Chloroethoxy)methane	NC	74 U	110 U	140 U	2.0 U
Bis(2-Chloroethyl)Ether	NC	100 U	150 U	190 U	2.0 U
Bis(2-chloroisopropyl)ether	NC	74 U	110 U	140 U	2.0 U
Bis(2-Ethylhexyl)phthalate	360,000	340 U	490 U	630 U	11 U
Butylbenzylphthalate	NC	340 U	490 U	630 U	5.0 U
Caprolactam	NC	340 U	490 U	630 U	11 U
Carbazole	NC	74 U	110 U	140 U	2.0 U
Chrysene	NC	140	96 J-	120	0.50 U
Dibenzo[a,h]Anthracene	NC	27 J	17 J	63 U	0.50 U
Dibenzofuran	NC	74 U	110 U	140 U	2.0 U
Diethylphthalate	NC	340 U	490 U	630 U	5.0 U
Dimethylphthalate	NC	340 U	490 U	630 U	5.0 U
Di-n-butylphthalate	NC	340 U	490 U	630 U	5.0 U
Di-n-octylphthalate	NC	340 U	490 U	630 U	11 U
Fluoranthene	NC	230	130	200	0.50 U
Fluorene	NC	19 J	16 J	63 U	0.50 U
Hexachlorobenzene	NC	34 U	49 U	63 U	0.50 U
Hexachlorobutadiene	1,200	100 U	150 U	190 U	2.0 U
Hexachlorocyclopentadiene	810	R	1500 U	1900 U	11 U
Hexachloroethane	NC	340 UJ	490 U	630 U	5.0 U
Indeno[1,2,3-cd]pyrene	NC	83	64	93	0.50 U
Isophorone	NC	74 U	110 U	140 U	2.0 U
Naphthalene	NC	17 J	49 U	30 J	0.50 U
Nitrobenzene	NC	130 U	190 U	250 U	2.0 U
N-Nitroso-Di-N-Propylamine	NC	100 U	150 U	190 U	3.0 U
N-Nitrosodiphenylamine	NC	74 UJ	110 U	140 U	3.0 U
Pentachlorophenol	14,000	340 UJ	490 U	630 U	5.0 U
Phenanthrene	NC	170	68	91	0.50 U
Phenol	NC	100 U	150 U	190 U	2.0 U
Pyrene	NC	200	120	170	0.50 U

Notes:

1. Results and regulatory criteria are in micrograms per kilogram (ug/kg).
2. Regulatory criteria are Sediment Guidance Values from NYSDEC Screening and Assessment of Contaminated Sediment, Division of Fish, Wildlife and Marine Resources Bureau of Habitat. June 24, 2014. "NC" indicates there are no guidance values available. Exceedances are bolded.
3. Semi-volatile organic compounds (SVOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8270D by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "UJ" designates compound is not detected at or above the estimated LOQ.
6. "J" designates result is considered estimated.
7. "R" designates result is rejected.
8. "J-" designates result is considered estimated and potentially biased low.

Table 2
Sediment Sample Results
Pesticides
Taconic - Petersburgh, New York

Compound	Sediment Quality Criteria Sediment Guidance Values	Sample Location Sample ID Sample Date SED-1-UNNAMED POND 3 SED 1-unnamed Pond 3 5/2/2018	SED 3 SED 3 5/2/2018	SED 3 DUP 4 5/7/2018	EB-2 5/7/2018
4-4-DDD	NC	3.4 U	5.0 U	32 U	0.019 U
4-4-DDE	NC	3.4 U	5.0 U	32 U	0.019 U
4-4-DDT	44	3.4 U	5.0 U	32 U	0.019 U
a-BHC	NC	1.7 U	3	15 U	0.0096 U
Aldrin	NC	1.7 U	2.4 U	15 U	0.0096 U
alpha-Chlordane	68	1.7 U	2.4 U	15 U	0.0096 U
b-BHC	NC	2.0 U	2.9 U	19 U	0.0096 U
d-BHC	NC	1.8 U	2.6 U	17 U	0.0096 U
Dieldrin	180	3.4 U	5.0 U	32 U	0.019 U
Endosulfan I	1	1.7 U	2.4 U	15 U	0.0096 U
Endosulfan II	1	3.4 U	5.0 U	32 U	0.029 U
Endosulfan Sulfate	NC	3.4 U	5.0 U	32 U	0.019 U
Endrin	90	3.4 U	5.0 U	32 U	0.019 U
Endrin Aldehyde	NC	3.4 U	5.0 U	32 U	0.096 U
Endrin Ketone	NC	3.6 U	5.3 U	34 U	0.019 U
Heptachlor	75	1.7 U	2.4 U	15 U	0.0096 U
Heptachlor Epoxide	15	1.7 U	2.4 U	15 U	0.0096 U
Lindane	47	1.7 U	2.4 U	15 U	0.0096 U
Methoxychlor	59	14 U	20 U	120 U	0.096 U
Toxaphene	6	67 U	97 U	610 U	0.96 U
γ-Chlordane	68	1.7 U	3.8 U	15 U	0.019 U

Notes:

1. Results and regulatory criteria are in micrograms per kilogram (ug/kg).
2. Regulatory criteria are Sediment Guidance Values from NYSDEC Screening and Assessment of Contaminated Sediment, Division of Fish, Wildlife and Marine Resources Bureau of Habitat. June 24, 2014. "NC" indicates there are no guidance values available. Exceedances are bolded.
3. Pesticides quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8081B by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 2
Sediment Sample Results
Polychlorinated Biphenyls
Taconic - Petersburgh, New York

Compound	Sediment Quality Criteria Sediment Guidance Values	Sample Location Sample ID Sample Date SED-1-UNNAMED POND 3 SED 1 unnamed Pond 3 5/2/2018	SED-3 SED-3 5/2/2018	SED-3 DUP-4 5/7/2018	EB-2 5/7/2018
PCB-1016	100[a]	34 U	50 U	64 U	0.0095 U
PCB-1221	100[a]	34 U	50 U	64 U	0.0095 U
PCB-1232	100[a]	34 U	50 U	64 U	0.0095 U
PCB-1242	100[a]	34 U	50 U	64 U	0.0095 U
PCB-1248	100[a]	34 U	50 U	64 U	0.0095 U
PCB-1254	100[a]	34 U	50 U	64 U	0.0095 U
PCB-1260	100[a]	34 U	50 U	64 U	0.0095 U
PCB-1262	100[a]	34 U	50 U	64 U	0.0095 U
PCB-1268	100[a]	34 U	50 U	64 U	0.0095 U

Notes:

1. Results and regulatory criteria are in micrograms per kilogram (ug/kg).
2. Regulatory criteria are Sediment Guidance Values from NYSDEC Screening and Assessment of Contaminated Sediment, Division of Fish, Wildlife and Marine Resources Bureau of Habitat. June 24, 2014. "a" indicates standard applied to the sum of individual PCBs. Exceedances are bolded.
3. Polychlorinated biphenyls (PCBs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8082A by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 2
Sediment Sample Results
Metals
Taconic - Petersburgh, New York

Sample Location		SED-1-UNNAMED POND 3	SED 3	SED 3	
Sample ID		SED 1-unnamed Pond 3	SED 3	DUP 4	EB-2
Sample Date		5/2/2018	5/2/2018	5/7/2018	5/7/2018
Compound	Sediment Quality Criteria Sediment Guidance Values				
Aluminum	NC	21,600,000	17,500,000	18,300,000	200 U
Antimony	NC	233 J	299 J	315 J	1.0 U
Arsenic	10,000	**10,400**	7,220	8,770	2.0 U
Barium	NC	260,000	235,000	179,000	2.0 U
Beryllium	NC	1,220	1,350	1,460	0.50 U
Cadmium	1,000	498	473 J	556	0.50 U
Calcium	NC	2,200,000	4,170,000 J	7,650,000 J-	200 U
Chromium	43,000	22,900	29,800	19,000	2.0 U
Cobalt	NC	14,200	11,400	11,800	5.0 U
Copper	32,000	**35,800**	**52,800**	**41,200**	5
Cyanide (Amenable)	NC	1000 U	580 J	950 J	10 U
Iron	NC	34,700,000	24,600,000 J	25,200,000	200 U
Lead	36,000	34,400	**42,200 J**	**36,600**	1.0 U
Magnesium	NC	4,870,000	4,040,000 J	4,310,000	100 U
Manganese	NC	2,150,000	622,000 J	867,000	2.0 U
Mercury	200	66.9 J	61.2 J	113 J	0.20 U
Nickel	23,000	**25,100**	20,100	22,500	10 U
Potassium	NC	1,910	2,310 J	2,600	500 U
Selenium	NC	535 J	879 J	1,100 J	2.0 U
Silver	1,000	106 J	153 J	112 J	0.50 U
Sodium	NC	143,000 J	193,000 J	232,000 J	1000 U
Thallium	NC	188 J	300 J	198 J	0.50 U
Vanadium	NC	26,700	21,000	22,600	5.0 U
Zinc	120,000	**126,000**	**147,000 J**	**232,000**	20 U

Notes:

1. Results and regulatory criteria are in micrograms per kilogram (ug/kg).
2. Regulatory criteria are Sediment Guidance Values from NYSDEC Screening and Assessment of Contaminated Sediment, Division of Fish, Wildlife and Marine Resources Bureau of Habitat. June 24, 2014. "NC" indicates there are no guidance values available. Exceedances are bolded.
3. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "J" designates result is considered estimated.
5. "J-" designates result is considered estimated and potentially biased low.
6. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 3
Geophysics Depth-Discrete Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	PW-1	PW-1	PW-1	PW-1	PW-1	PW-1
Sample ID	PW 1 [72]	PW 1 [99]	DUP061918	PW 1 [115]	PW 1 [127]	PW 1 [300]
Sample Date	6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018	6/19/2018
Compound						
6:2 fluorotelomersulfonate	0.0033 U	0.0034 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
8:2 fluorotelomersulfonate	0.01 U	0.01 U	0.0099 U	0.0099 U	0.01 U	0.01 U
NEtFOSAA	0.005 U	0.005 U	0.005 U	0.0049 U	0.005 U	0.005 U
NMeFOSSA	0.005 U	0.005 U	0.005 U	0.0049 U	0.005 U	0.005 U
Perfluorobutanesulfonate	0.00095 J	0.001 J	0.0011 J	0.001 J	0.001 J	0.00069 J
Perfluorobutanoic acid	0.026	0.027	0.028	0.03	0.027	0.016
Perfluorodecanesulfonate	0.0033 U	0.0034 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluorodecanoic acid	0.0028 J	0.003 J	0.0028 J	0.0031 J	0.0036	0.0035
Perfluorododecanoic acid	0.0017 U	0.0017 U	0.0017 U	0.0016 U	0.0017 U	0.0017 U
Perfluoroheptanesulfonate	0.0033 U	0.0034 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluoroheptanoic acid	0.12 J+	0.13 J+	0.14 J+	0.15 J+	0.14 J+	0.13 J+
Perfluorohexanesulfonic acid	0.0033 U	0.0034 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Perfluorohexanoic acid	0.16 J+	0.18 J+	0.19 J+	0.21 J+	0.18 J+	0.12 J+
Perfluorononanoic acid	0.014	0.014	0.017	0.017	0.017	0.017
Perfluorooctanesulfonamide	0.005 UJ	0.005 UJ	0.005 UJ	0.0049 UJ	0.005 U	0.005 U
Perfluoro-octanesulfonate (PFOS)	0.0032 J	0.0032 J	0.0031 J	0.0033 J	0.0036	0.0036
Perfluorooctanoic acid (PFOA)	7.6	7.7	7.6	8.1	7.9	7.2
Perfluoropentanoic acid	0.086	0.11	0.11	0.12	0.1	0.052
Perfluorotetradecanoic acid	0.0017 U	0.0017 U	0.0017 U	0.0016 U	0.0017 U	0.0017 U
Perfluorotridecanoic acid	0.0017 U	0.0017 U	0.0017 U	0.0016 U	0.0017 U	0.0017 U
Perfluoroundecanoic acid	0.0033 U	0.0034 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
Total Organic Carbon (TOC)	950 J	670 J	670 J	780 J	640 J	1000 U

Notes:

1. Results are in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound is not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.
5. "UJ" designates compound is not detected at or above the estimated LOQ.
6. "J+" designates result is considered estimated and potentially biased high.
7. "ND" designates the sum of PFOS and PFOA was non-detect.
8. "--" designates compound was not analyzed.

Table 3
Geophysics Depth-Discrete Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	FRB061918 6/19/2018	EB 061918 1 6/19/2018	RW 159 RW 159 CBR [41] 6/19/2018	EB 061918 2 6/19/2018	RW 159 RW 159 CBR [48] 6/19/2018	RW 159 RW 159 CBR [122] 6/19/2018
6:2 fluorotelomersulfonate	0.0018 U	0.0018 U	0.0051 U	0.0018 U	0.0051 U	0.005 U
8:2 fluorotelomersulfonate	0.0053 U	0.0054 U	0.015 U	0.0053 U	0.015 U	0.015 U
NEtFOSAA	0.0026 U	0.0027 U	0.0077 U	0.0026 U	0.0077 U	0.0075 U
NMeFOSSA	0.0026 U	0.0027 U	0.0077 U	0.0026 U	0.0077 U	0.0075 U
Perfluorobutanesulfonate	0.00088 U	0.0009 U	0.0026 U	0.00088 U	0.0026 U	0.0025 U
Perfluorobutanoic acid	0.0053 U	0.0054 U	0.015 U	0.0053 U	0.015 U	0.015 U
Perfluorodecanesulfonate	0.0018 U	0.0018 U	0.0051 U	0.0018 U	0.0051 U	0.005 U
Perfluorodecanoic acid	0.0018 U	0.0018 U	0.0051 U	0.0018 U	0.0051 U	0.005 U
Perfluorododecanoic acid	0.00088 U	0.0009 U	0.0026 U	0.00088 U	0.0026 U	0.0025 U
Perfluoroheptanesulfonate	0.0018 U	0.0018 U	0.0051 U	0.0018 U	0.0051 U	0.005 U
Perfluoroheptanoic acid	0.00088 U	0.0009 U	0.086	0.00088 U	0.078	0.084
Perfluorohexanesulfonic acid	0.0018 U	0.0018 U	0.0051 U	0.0018 U	0.0051 U	0.005 U
Perfluorohexanoic acid	0.0018 U	0.0018 U	0.044	0.0018 U	0.042	0.043
Perfluorononanoic acid	0.0018 U	0.0018 U	0.0045 J	0.0018 U	0.0049 J	0.0039 J
Perfluorooctanesulfonamide	0.0026 U	0.0027 UJ	0.0077 U	0.0026 UJ	0.0077 UJ	0.0075 U
Perfluoro-octanesulfonate (PFOS)	0.0018 U	0.0018 U	0.0051 U	0.0018 U	0.0051 U	0.005 U
Perfluorooctanoic acid (PFOA)	0.00088 U	0.0009 U	2.1	0.00088 U	2.1	2.1
Perfluoropentanoic acid	0.0053 U	0.0054 U	0.012 J	0.0053 U	0.012 J	0.011 J
Perfluorotetradecanoic acid	0.00088 U	0.0009 U	0.0026 U	0.00088 U	0.0026 U	0.0025 U
Perfluorotridecanoic acid	0.00088 U	0.0009 U	0.0026 U	0.00088 U	0.0026 U	0.0025 U
Perfluoroundecanoic acid	0.0018 U	0.0018 U	0.0051 U	0.0018 U	0.0051 U	0.005 U
Total Organic Carbon (TOC)	--	--	700 J	--	530 J	650 J

Notes:

1. Results are in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound is not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.
5. "UJ" designates compound is not detected at or above the estimated LOQ.
6. "J+" designates result is considered estimated and potentially biased high.
7. "ND" designates the sum of PFOS and PFOA was non-detect.
8. "--" designates compound was not analyzed.

Table 4
Discrete-Interval Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location			GW 10	GW 17	GW 17	GW 17	
Sample ID	EB1-092118	EB2-092118	GW10-10.4-12.4	GW17-2.0-6.0	FD2-092118	GW17-21.5-25.5	EB2-092418
Sample Date	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/24/2018
Compound							
6:2 fluorotelomersulfonate	0.0018 U	0.0017 U	0.01 U	0.01 U	0.011 U	0.01 U	0.002 U
8:2 fluorotelomersulfonate	0.0053 U	0.0052 U	0.031 U	0.03 U	0.034 U	0.031 U	0.006 U
NEtFOSAA	0.0026 U	0.0026 U	0.015 U	0.015 U	0.017 U	0.016 U	0.003 U
NMeFOSSA	0.0026 U	0.0026 U	0.015 U	0.015 U	0.017 U	0.016 U	0.003 U
Perfluorobutanesulfonate	0.00088 U	0.00087 U	0.0016 J	0.0050 U	0.0057 U	0.0052 U	0.001 U
Perfluorobutanoic acid	0.0053 U	0.0052 U	0.081	0.023 J	0.046	0.03 J	0.006 U
Perfluorodecanesulfonate	0.0018 U	0.0017 U	0.01 U	0.01 U	0.011 U	0.01 U	0.002 U
Perfluorodecanoic acid	0.0018 U	0.0017 U	0.076	0.02	0.029	0.016	0.002 U
Perfluorododecanoic acid	0.0018 U	0.0017 U	0.01 U	0.01 U	0.011 U	0.01 U	0.002 U
Perfluoroheptanesulfonate	0.0018 U	0.0017 U	0.01 U	0.01 U	0.011 U	0.01 U	0.002 U
Perfluoroheptanoic acid	0.00088 U	0.00087 U	0.28	0.071	0.1	0.1	0.001 U
Perfluorohexanesulfonic acid	0.0018 U	0.0017 U	0.01 U	0.01 U	0.011 U	0.01 U	0.002 U
Perfluorohexanoic acid	0.0018 U	0.0017 U	0.35	0.073	0.12	0.14	0.002 U
Perfluorononanoic acid	0.0018 U	0.0017 U	0.051	0.021	0.034	0.016	0.002 U
Perfluorooctanesulfonamide	0.0026 U	0.0026 U	0.015 U	0.015 U	0.017 U	0.016 U	0.003 U
Perfluoro-octanesulfonate (PFOS)	0.0018 U	0.0017 U	0.014	0.0060 J	0.01 J	0.0046 J	0.002 U
Perfluorooctanoic acid (PFOA)	0.00088 U	0.00087 U	17	3.5	3.7	5.4	0.0028
Perfluoropentanoic acid	0.0053 U	0.0052 U	0.25	0.049	0.11	0.088	0.006 U
Perfluorotetradecanoic acid	0.00088 U	0.00087 U	0.0051 U	0.0050 U	0.0057 U	0.0052 U	0.001 U
Perfluorotridecanoic acid	0.00088 U	0.00087 U	0.0051 U	0.0050 U	0.0057 U	0.0052 U	0.001 U
Perfluoroundecanoic acid	0.0018 U	0.0017 U	0.0035 J	0.0038 J	0.0037 J	0.0023 J	0.002 U
Total Organic Carbon (TOC)	--	--	33,600	48,000	48,100	11,300	--

Notes:

1. Results in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "B" designates compound was detected in blank.

Table 4
Discrete-Interval Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	GW 1	GW 1	GW 1	GW 12	GW 12	GW 2	GW 2
Sample ID	GW1-5.0-7.0	GW1-26.0-30.0	GW1-56.0-60.0	GW12-5.0-9.0	GW12-43.0-47.0	GW2-10.0-14.0	GW2-30.0-34.0
Sample Date	9/24/2018	9/25/2018	9/25/2018	9/25/2018	9/25/2018	9/25/2018	9/25/2018
Compound							
6:2 fluorotelomersulfonate	0.0099 U	0.01 U	0.01 U	0.0099 U	0.01 U	0.0099 U	0.0098 U
8:2 fluorotelomersulfonate	0.03 U	0.03 U	0.03 U	0.03 U	0.031 U	0.03 U	0.029 U
NEtFOSAA	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
NMeFOSSA	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorobutanesulfonate	0.0049 U	0.0050 U	0.0050 U	0.0050 U	0.0017 J	0.0049 U	0.0049 U
Perfluorobutanoic acid	0.029 J	0.03 U	0.019 J	0.015 J	0.011 J	0.032	0.029 U
Perfluorodecanesulfonate	0.0099 U	0.01 U	0.01 U	0.0099 U	0.01 U	0.0099 U	0.0098 U
Perfluorodecanoic acid	0.024	0.01 U	0.01 U	0.0099 U	0.01 U	0.03	0.0098 U
Perfluorododecanoic acid	0.0099 U	0.01 U	0.01 U	0.0099 U	0.01 U	0.0099 U	0.0098 U
Perfluoroheptanesulfonate	0.0099 U	0.01 U	0.01 U	0.0099 U	0.01 U	0.0099 U	0.0098 U
Perfluoroheptanoic acid	0.061	0.014	0.04	0.024	0.05	0.39	0.0022 J
Perfluorohexanesulfonic Acid	0.0099 U	0.01 U	0.01 U	0.0099 U	0.01 U	0.0099 U	0.0098 U
Perfluorohexanoic acid	0.084	0.0087 J	0.036	0.025	0.041	0.16	0.0098 U
Perfluorononanoic acid	0.018	0.01 U	0.0061 J	0.015	0.0042 J	0.024	0.0098 U
Perfluorooctanesulfonamide	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluoro-octanesulfonate (PFOS)	0.01	0.01 U	0.012	0.0026 J	0.0026 J	0.0096 J	0.0098 U
Perfluorooctanoic acid (PFOA)	0.86	0.22	0.88	0.4	0.84	6.3	0.082
Perfluoropentanoic acid	0.055	0.03 U	0.017 J	0.027 J	0.024 J	0.056	0.029 U
Perfluorotetradecanoic acid	0.0049 U	0.0050 U	0.0050 U	0.0050 U	0.0051 U	0.0049 U	0.0049 U
Perfluorotridecanoic acid	0.0049 U	0.0050 U	0.0050 U	0.0050 U	0.0051 U	0.0049 U	0.0049 U
Perfluoroundecanoic acid	0.0026 J	0.01 U	0.01 U	0.0099 U	0.01 U	0.0070 J	0.0098 U
Total Organic Carbon (TOC)	27,100	3,200	3,800	4,000	17,100	23,800	2,700

Notes:

1. Results in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "B" designates compound was detected in blank.

Table 4
Discrete-Interval Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location		GW 2	GW 13	GW 13	GW 13	GW 11	
Sample ID	EB1-092518	GW2-58.5-62.5	GW13-10.0-14.0	GW13-30.0-34.0	GW13-58.5-62.5	GW11-10.0-14.0	EB2-092618
Sample Date	9/25/2018	9/26/2018	9/26/2018	9/26/2018	9/26/2018	9/26/2018	9/26/2018
Compound							
6:2 fluorotelomersulfonate	0.0018 U	0.0033 U	0.0025 U	0.0051 U	0.01 U	0.012 U	0.0019 U
8:2 fluorotelomersulfonate	0.0053 U	0.01 U	0.0075 U	0.015 U	0.03 U	0.037 U	0.0058 U
NEtFOSAA	0.0026 U	0.0050 U	0.0037 U	0.0077 U	0.015 U	0.018 U	0.0029 U
NMeFOSSA	0.0026 U	0.0050 U	0.0037 U	0.0077 U	0.015 U	0.018 U	0.0029 U
Perfluorobutanesulfonate	0.00088 U	0.00063 J	0.00085 J	0.0026 U	0.0050 U	0.0061 U	0.00096 U
Perfluorobutanoic acid	0.0053 U	0.0066 J	0.014	0.015 U	0.03 U	0.037 U	0.0058 U
Perfluorodecanesulfonate	0.0018 U	0.0033 U	0.0025 U	0.0051 U	0.01 U	0.012 U	0.0019 U
Perfluorodecanoic acid	0.0018 U	0.0033 U	0.0036	0.0051 U	0.01 U	0.012 U	0.0019 U
Perfluorododecanoic acid	0.0018 U	0.0033 U	0.0025 U	0.0051 U	0.01 U	0.012 U	0.0019 U
Perfluoroheptanesulfonate	0.0018 U	0.0033 U	0.0025 U	0.0051 U	0.01 U	0.012 U	0.0019 U
Perfluoroheptanoic acid	0.00088 U	0.053	0.02	0.0026	0.048	0.015	0.00096 U
Perfluorohexanesulfonic acid	0.0018 U	0.0033 U	0.0025 U	0.0051 U	0.01 U	0.012 U	0.0019 U
Perfluorohexanoic acid	0.0018 U	0.045	0.024	0.0021 J	0.044	0.025	0.0019 U
Perfluorononanoic acid	0.0018 U	0.0042	0.0083	0.0051 U	0.0066 J	0.0067 J	0.0019 U
Perfluorooctanesulfonamide	0.0026 U	0.0050 U	0.0037 U	0.0077 U	0.015 U	0.018 U	0.0029 U
Perfluoro-octanesulfonate (PFOS)	0.00064 J	0.0010 J	0.0023 J	0.0051 U	0.0027 J	0.0046 J	0.017
Perfluorooctanoic acid (PFOA)	0.00080 J	0.99	0.42	0.068	1.2	0.19	0.00060 J
Perfluoropentanoic acid	0.0053 U	0.0098 J	0.027	0.015 U	0.015 J	0.021 J	0.0058 U
Perfluorotetradecanoic acid	0.00088 U	0.0017 U	0.0012 U	0.0026 U	0.0050 U	0.0061 U	0.00096 U
Perfluorotridecanoic acid	0.00088 U	0.0017 U	0.0012 U	0.0026 U	0.0050 U	0.0061 U	0.00096 U
Perfluoroundecanoic acid	0.0018 U	0.0033 U	0.00059 J	0.0051 U	0.01 U	0.012 U	0.0019 U
Total Organic Carbon (TOC)	--	2,400	7,400	1,800	4,100	23,300	--

Notes:

1. Results in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "B" designates compound was detected in blank.

Table 4
Discrete-Interval Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	GW 5	GW 5	GW 14	GW 14		GW 3	GW 3
Sample ID	GW5-5.0-7.0	GW5-40.0-41.0	GW14-5.0-7.0	GW14-40.0-41.0	EB2-092818	GW3-3.0-7.0	GW3-30.0-34.0
Sample Date	9/28/2018	9/28/2018	9/28/2018	9/28/2018	9/28/2018	10/1/2018	10/1/2018
Compound							
6:2 fluorotelomersulfonate	0.0025 U	0.025 U	0.0099 U	0.0025 U	0.0019 U	0.025 U	0.05 U
8:2 fluorotelomersulfonate	0.0075 U	0.075 U	0.03 U	0.0075 U	0.0056 U	0.075 U	0.15 U
NEtFOSAA	0.0037 U	0.037 U	0.015 U	0.0037 U	0.0028 U	0.037 U	0.075 U
NMeFOSSA	0.0037 U	0.037 U	0.015 U	0.0037 U	0.0028 U	0.037 U	0.075 U
Perfluorobutanesulfonate	0.00069 J	0.012 U	0.0049 U	0.0012 U	0.00094 U	0.012 U	0.025 U
Perfluorobutanoic acid	0.019	0.059 J	0.063	0.0047 J	0.0056 U	0.33	0.086 J
Perfluorodecanesulfonate	0.0025 U	0.025 U	0.0099 U	0.0025 U	0.0019 U	0.025 U	0.05 U
Perfluorodecanoic acid	0.038	0.094	0.048	0.0074	0.0019 U	0.074	0.33
Perfluorododecanoic acid	0.0034	0.0078 J	0.079	0.0041	0.0019 U	0.025 U	0.05 U
Perfluoroheptanesulfonate	0.0025 U	0.025 U	0.0099 U	0.0025 U	0.0019 U	0.025 U	0.05 U
Perfluoroheptanoic acid	0.098	0.19	0.068	0.056	0.00094 U	1.1	0.53
Perfluorohexanesulfonic acid	0.0025 U	0.025 U	0.0099 U	0.0025 U	0.0019 U	0.025 U	0.05 U
Perfluorohexanoic acid	0.077	0.33	0.17	0.046	0.0019 U	1.6	0.49
Perfluorononanoic acid	0.038	0.097	0.047	0.005	0.0019 U	0.24	0.73
Perfluorooctanesulfonamide	0.0037 U	0.037 U	0.015 U	0.0037 U	0.0028 U	0.037 U	0.075 U
Perfluoro-octanesulfonate (PFOS)	0.0029	0.025 U	0.0060 J	0.00062 J	0.00063 J	0.025 U	0.05 U
Perfluorooctanoic acid (PFOA)	2.1	22	1.3	1.3	0.00094 U	49	70
Perfluoropentanoic acid	0.046	0.28	0.2	0.0098	0.0056 U	1.7	0.42
Perfluorotetradecanoic acid	0.0012 U	0.012 U	0.0049 U	0.0012 U	0.00094 U	0.012 U	0.025 U
Perfluorotridecanoic acid	0.0012 U	0.012 U	0.012	0.00073 J	0.00094 U	0.012 U	0.025 U
Perfluoroundecanoic acid	0.0082	0.0098 J	0.041	0.0036	0.0019 U	0.0055 J	0.015 J
Total Organic Carbon (TOC)	12,500	4,800	60,500	2,600	--	75,300	31,000

Notes:

1. Results in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "B" designates compound was detected in blank.

Table 4
Discrete-Interval Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	GW 3		GW 15	GW 15	GW 9	GW 8	
Sample ID	GW3-60.0-64.0	EB3-100118	GW3-6.0-10.0	GW15-49.0-53.0	GW9-7.0-11.0	GW8-5.0-9.0	EB1-100218
Sample Date	10/1/2018	10/1/2018	10/1/2018	10/2/2018	10/2/2018	10/2/2018	10/2/2018
Compound							
6:2 fluorotelomersulfonate	0.025 U	0.0018 U	0.0025 U	0.01 U	0.01 U	0.99 U	0.0017 U
8:2 fluorotelomersulfonate	0.075 U	0.0053 U	0.0075 U	0.031 U	0.03 U	3 U	0.0052 U
NEtFOSAA	0.037 U	0.0026 U	0.0037 U	0.016 U	0.015 U	1.5 U	0.0026 U
NMeFOSSA	0.037 U	0.0026 U	0.0037 U	0.016 U	0.015 U	1.5 U	0.0026 U
Perfluorobutanesulfonate	0.012 U	0.00088 U	0.00038 J	0.0052 U	0.0016 J	0.5 U	0.00086 U
Perfluorobutanoic acid	0.047 J	0.0053 U	0.039	0.025 J	0.093	3 U	0.0052 U
Perfluorodecanesulfonate	0.025 U	0.0018 U	0.0025 U	0.01 U	0.01 U	0.99 U	0.0017 U
Perfluorodecanoic acid	0.39	0.0018 U	0.35	0.06	0.11	0.99 U	0.0017 U
Perfluorododecanoic acid	0.025 U	0.00070 J	0.004	0.0038 J	0.031	0.99 U	0.00049 J
Perfluoroheptanesulfonate	0.025 U	0.0018 U	0.0025 U	0.01 U	0.01 U	0.99 U	0.0017 U
Perfluoroheptanoic acid	0.29	0.00088 U	0.081	0.12	0.25	2.3	0.00036 J
Perfluorohexanesulfonic acid	0.025 U	0.0018 U	0.0025 U	0.01 U	0.01 U	0.99 U	0.0017 U
Perfluorohexanoic acid	0.29	0.0018 U	0.094	0.17	1	0.59 J	0.0017 U
Perfluorononanoic acid	0.63	0.0018 U	0.068	0.023	0.13	0.69 J	0.0012 J
Perfluorooctanesulfonamide	0.037 U	0.0026 U	0.00067 J	0.016 U	0.015 U	1.5 U	0.0026 U
Perfluoro-octanesulfonate (PFOS)	0.025 U	0.0018 U	0.012	0.0029 J	0.014	0.99 U	0.0018
Perfluorooctanoic acid (PFOA)	42	0.00081 J	1.5	9.1 B	14 B	1,700 B	0.47
Perfluoropentanoic acid	0.22	0.0053 U	0.1	0.11	0.38	3 U	0.0052 U
Perfluorotetradecanoic acid	0.012 U	0.00043 J	0.00046 J	0.0052 U	0.015	0.5 U	0.00086 U
Perfluorotridecanoic acid	0.012 U	0.00039 J	0.0012 U	0.0052 U	0.012	0.5 U	0.00086 U
Perfluoroundecanoic acid	0.017 J	0.00040 J	0.016	0.014	0.022	0.99 U	0.0017 U
Total Organic Carbon (TOC)	15,500	--	45,700	3,900	42,400	36,300	--

Notes:

1. Results in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "B" designates compound was detected in blank.

Table 4
Discrete-Interval Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	GW 16	GW 18	GW 18	GW 18	GW 18		EXB-2
Sample ID	GW16-18.5-22.5	GW18-5.0-7.0	X-2-100318	GW18-13.0-17.0	GW18-25.75-29.75	EB1-100318	EXB2-GW 3.5-7.5
Sample Date	10/3/2018	10/3/2018	10/3/2018	10/3/2018	10/3/2018	10/3/2018	10/3/2018
Compound							
6:2 fluorotelomersulfonate	0.012 U	0.0096 U	0.0095 U	0.0098 U	0.01 U	0.0023 U	0.01 U
8:2 fluorotelomersulfonate	0.035 U	0.029 U	0.029 U	0.03 U	0.031 U	0.0068 U	0.03 U
NEtFOSAA	0.017 U	0.014 U	0.014 U	0.015 U	0.015 U	0.0034 U	0.015 U
NMeFOSSA	0.017 U	0.014 U	0.014 U	0.015 U	0.015 U	0.0034 U	0.015 U
Perfluorobutanesulfonate	0.0028 J	0.0048 U	0.0048 U	0.0049 U	0.0051 U	0.0011 U	0.0050 U
Perfluorobutanoic acid	0.031 J	0.012 J	0.015 J	0.014 J	0.017 J	0.0068 U	0.059
Perfluorodecanesulfonate	0.012 U	0.0096 U	0.0095 U	0.0098 U	0.01 U	0.0023 U	0.01 U
Perfluorodecanoic acid	0.026	0.024	0.069	0.0098 U	0.01 U	0.0023 U	0.18
Perfluorododecanoic acid	0.012 U	0.0096 U	0.0024 J	0.0098 U	0.01 U	0.0023 U	0.0043 J
Perfluoroheptanesulfonate	0.012 U	0.0096 U	0.0095 U	0.0098 U	0.01 U	0.0023 U	0.01 U
Perfluoroheptanoic acid	0.1	0.073	0.075	0.081	0.28	0.0011 U	0.16
Perfluorohexanesulfonic acid	0.012 U	0.0096 U	0.0095 U	0.0098 U	0.01 U	0.0023 U	0.01 U
Perfluorohexanoic acid	0.091	0.074	0.081	0.072	0.2	0.0023 U	0.2
Perfluorononanoic acid	0.057	0.018	0.03	0.014	0.0067 J	0.0023 U	0.056
Perfluorooctanesulfonamide	0.017 U	0.014 U	0.014 U	0.015 U	0.015 U	0.0034 U	0.015 U
Perfluoro-octanesulfonate (PFOS)	0.014	0.0045 J	0.011	0.0038 J	0.0026 J	0.0023 U	0.0067 J
Perfluorooctanoic acid (PFOA)	55	1.8 B	2 B	3.1 B	7.6 B	0.0016	5 B
Perfluoropentanoic acid	0.059	0.021 J	0.03	0.024 J	0.034	0.0068 U	0.17
Perfluorotetradecanoic acid	0.0058 U	0.0048 U	0.0048 U	0.0049 U	0.0051 U	0.0011 U	0.0050 U
Perfluorotridecanoic acid	0.0058 U	0.0048 U	0.0048 U	0.0049 U	0.0051 U	0.0011 U	0.0050 U
Perfluoroundecanoic acid	0.0061 J	0.0019 J	0.0053 J	0.0098 U	0.01 U	0.0023 U	0.047
Total Organic Carbon (TOC)	21,500	5,600	5,600	2,000	2,700	--	20,700

Notes:

1. Results in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "B" designates compound was detected in blank.

Table 4
Discrete-Interval Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	EXB-2	EXB-2	EXB-2	FRB1-100418	GW 6	EB1-100418	GW 6
Sample ID	EXB2-GW 15.0-18.0	EXB2-GW 52.0-56.0	EXB2-GW 61.4-63.4		GW6-5.0-7.0		GW6-16.0-20.0
Sample Date	10/4/2018	10/4/2018	10/4/2018	10/4/2018	10/4/2018	10/4/2018	10/5/2018
Compound							
6:2 fluorotelomersulfonate	0.011 U	0.01 U	0.012 U	0.0018 U	9.8 U	0.0017 U	0.1 U
8:2 fluorotelomersulfonate	0.032 U	0.031 U	0.036 U	0.0054 U	29 U	0.0051 U	0.31 U
NEtFOSAA	0.016 U	0.016 U	0.018 U	0.0027 U	15 U	0.0026 U	0.15 U
NMeFOSSA	0.016 U	0.016 U	0.018 U	0.0027 U	15 U	0.0026 U	0.15 U
Perfluorobutanesulfonate	0.0053 U	0.0052 U	0.0059 U	0.0009 U	4.9 U	0.00085 U	0.051 U
Perfluorobutanoic acid	0.055	0.031 U	0.042	0.0054 U	22 J	0.0051 U	0.56
Perfluorodecanesulfonate	0.011 U	0.01 U	0.012 U	0.0018 U	9.8 U	0.0017 U	0.1 U
Perfluorodecanoic acid	0.32	0.044	0.17	0.0018 U	9.8 U	0.0017 U	0.33
Perfluorododecanoic acid	0.0059 J	0.0030 J	0.0087 J	0.0018 U	9.8 U	0.0017 U	0.026 J
Perfluoroheptanesulfonate	0.011 U	0.01 U	0.012 U	0.0018 U	9.8 U	0.0017 U	0.1 U
Perfluoroheptanoic acid	0.091	0.0093	0.098	0.0009 U	59	0.00085 U	1.9
Perfluorohexanesulfonic acid	0.011 U	0.01 U	0.012 U	0.0018 U	9.8 U	0.0017 U	0.1 U
Perfluorohexanoic acid	0.11	0.014	0.14	0.0018 U	87	0.0017 U	2.3
Perfluorononanoic acid	0.05	0.0056 J	0.044	0.0018 U	5.9 J	0.0017 U	0.38
Perfluorooctanesulfonamide	0.016 U	0.016 U	0.018 U	0.0027 U	15 U	0.0026 U	0.15 U
Perfluoro-octanesulfonate (PFOS)	0.0045 J	0.01 U	0.01 J	0.0018 U	9.8 U	0.0011 J	0.1 U
Perfluorooctanoic acid (PFOA)	2.1 B	0.61 B	4.6 B	0.0009 U	5,600 B	0.022	210
Perfluoropentanoic acid	0.12	0.014 J	0.12	0.0054 U	100	0.0051 U	2.7
Perfluorotetradecanoic acid	0.0053 U	0.0052 U	0.0059 U	0.0009 U	4.9 U	0.00085 U	0.051 U
Perfluorotridecanoic acid	0.0053 U	0.0052 U	0.0059 U	0.0009 U	4.9 U	0.00085 U	0.051 U
Perfluoroundecanoic acid	0.18	0.026	0.071	0.0018 U	9.8 U	0.0017 U	0.069 J
Total Organic Carbon (TOC)	28,600	14,100	17,900	--	33,400	--	11,400

Notes:

1. Results in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "B" designates compound was detected in blank.

Table 4
Discrete-Interval Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	GW 7	
Sample ID	GW7-4.0-6.0	EB2-100518
Sample Date	10/5/2018	10/5/2018
Compound		
6:2 fluorotelomersulfonate	0.0099 U	0.0022 U
8:2 fluorotelomersulfonate	0.03 U	0.0066 U
NEtFOSAA	0.015 U	0.0033 U
NMeFOSSA	0.015 U	0.0033 U
Perfluorobutanesulfonate	0.0049 U	0.0011 U
Perfluorobutanoic acid	0.13	0.0066 U
Perfluorodecanesulfonate	0.0099 U	0.0022 U
Perfluorodecanoic acid	0.17	0.0022 U
Perfluorododecanoic acid	0.0099 U	0.0022 U
Perfluoroheptanesulfonate	0.0099 U	0.0022 U
Perfluoroheptanoic acid	0.38	0.0011 U
Perfluorohexanesulfonic acid	0.0099 U	0.0022 U
Perfluorohexanoic acid	0.43	0.0022 U
Perfluorononanoic acid	0.4	0.0022 U
Perfluorooctanesulfonamide	0.015 U	0.0033 U
Perfluoro-octanesulfonate (PFOS)	0.019	0.0022 U
Perfluorooctanoic acid (PFOA)	91	0.018
Perfluoropentanoic acid	0.56	0.0066 U
Perfluorotetradecanoic acid	0.0049 U	0.0011 U
Perfluorotridecanoic acid	0.0049 U	0.0011 U
Perfluoroundecanoic acid	0.0099 U	0.0022 U

Total Organic Carbon (TOC)	68,800	--

Notes:

1. Results in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "B" designates compound was detected in blank.

Table 5
Hydraulic Conductivity Test Results

Taconic
Petersburgh, New York

Well ID	Unit Screened	Slug Test Type	Number of Tests	Number of Tests Analyzed	Analysis Method	Test 1 Hydraulic Conductivity (cm/sec)	Test 2 Hydraulic Conductivity (cm/sec)	Test 3 Hydraulic Conductivity (cm/sec)	Test 4 Hydraulic Conductivity (cm/sec)	Average K value (cm/sec)	Average K value (ft/day)
MW-1S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	1.02E-02	4.09E-03	6.09E-03	3.49E-03	5.97E-03	16.89
MW-1D	Deep Overburden	Conventional	4	4	Confined - Hvorslev	1.14E-03	7.24E-04	8.74E-04	6.32E-04	8.43E-04	2.38
MW-3S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	4.15E-03	1.87E-03	2.85E-03	1.61E-03	2.62E-03	7.41
MW-4S	Shallow Overburden	---	---	---	---	---	---	---	---	---	---
MW-5S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	2.53E-03	2.19E-03	1.90E-03	1.51E-03	2.03E-03	5.75
MW-6S	Shallow Overburden	Conventional	2	2	Confined - Hvorslev	4.63E-04	2.96E-03	---	---	1.71E-03	4.84
MW-7S	Shallow Overburden	Conventional	3	3	Confined - Hvorslev	2.68E-03	1.03E-03	8.04E-04	---	1.50E-03	4.26
MW-8D	Deep Overburden	Conventional	4	4	Confined - Hvorslev	2.46E-03	2.13E-03	2.28E-03	1.94E-03	2.20E-03	6.23
MW-9S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	6.46E-03	5.42E-03	5.92E-03	5.03E-03	5.71E-03	16.15
MW-9D	Deep Overburden	Conventional	4	4	Confined - Hvorslev	2.40E-03	2.03E-03	2.21E-03	1.88E-03	2.13E-03	6.03
MW-10S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	3.58E-03	3.31E-03	3.46E-03	3.19E-03	3.39E-03	9.58
MW-10D	Deep Overburden	Conventional	4	4	Confined - Hvorslev	1.56E-03	1.38E-03	1.48E-03	1.29E-03	1.43E-03	4.04
MW-11S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	1.94E-03	1.63E-03	1.77E-03	1.53E-03	1.72E-03	4.86
MW-11D	Deep Overburden	Conventional	4	4	Confined - Hvorslev	1.85E-03	1.58E-03	1.73E-03	5.14E-03	2.58E-03	7.29
MW-12S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	2.99E-03	2.15E-03	2.50E-03	1.95E-03	2.40E-03	6.78
MW-13S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	1.10E-03	1.03E-03	1.07E-03	1.00E-03	1.05E-03	2.97
MW-13D	Deep Overburden	Conventional	3	3	Confined - Hvorslev	1.66E-03	1.44E-03	1.28E-03	---	1.46E-03	4.13
MW-14S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	2.45E-03	1.99E-03	2.20E-03	1.81E-03	2.11E-03	5.98
MW-14D	Deep Overburden	Conventional	2	2	Confined - Hvorslev	1.17E-03	1.69E-04	---	---	6.70E-04	1.89
MW-15S	Shallow Overburden	Conventional	3	3	Confined - Hvorslev	1.44E-03	7.98E-04	5.34E-04	---	9.24E-04	2.61
MW-15D	Deep Overburden	Conventional	4	4	Confined - Hvorslev	8.75E-04	4.78E-04	6.45E-04	4.04E-04	6.01E-04	1.70
MW-16S	Shallow Overburden	Conventional	4	4	Confined - Hvorslev	2.28E-03	1.77E-03	2.01E-03	1.64E-03	1.93E-03	5.45
MW-16D	Deep Overburden	Conventional	4	4	Confined - Hvorslev	3.17E-03	2.38E-03	2.82E-03	2.02E-03	2.60E-03	7.35
EXB-1	Shallow Bedrock	Conventional	2	2	Confined - Hvorslev	6.04E-04	1.34E-04	---	---	3.69E-04	1.04
EXB-2	Shallow Bedrock	Conventional	2	2	Confined - Hvorslev	2.31E-03	9.61E-04	---	---	1.64E-03	4.63

Notes
1. "cm/sec" designates centimeters per second.
2. "ft/day" designates feet per day.
3. "K" designates hydraulic conductivity.
4. Hydraulic conductivity testing was not performed at overburden monitoring well MW-4S (which is 5.0 feet deep and has a 2.0 foot screen).

Table 6
Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	MW 1S MW 1S 051419 05/14/2019	MW 1D MW 1D 051419 05/14/2019	MW 3S MW 03S 051619 05/16/2019	MW 4S MW 4S 061019 06/10/2019	MW 5S MW 5S 051619 05/16/2019	MW 6S MW 6S 051719 05/17/2019
6:2-Fluoroteleomersulfonic acid	0.0017 U	0.0018 U	0.0018 U	0.019 U	0.0017 U	0.0018 U
8:2-Fluorotelomersulfonic acid	0.0052 U	0.0054 U	0.0054 U	0.056 U	0.0052 U	0.0053 U
NEtFOSA	0.0026 U	0.0027 U	0.0027 U	0.028 U	0.0026 U	0.0026 U
NMeFOSA	0.0026 U	0.0027 U	0.0027 U	0.028 U	0.0026 U	0.0026 U
Perfluorobutanesulfonic acid (PFBS)	0.00087 U	0.0009 U	0.00081 J	0.0093 U	0.00069 J	0.0009
Perfluorobutanoic Acid (PFBA)	0.0052 U	0.0054 U	0.021	0.037 J	0.0083	0.052 J
Perfluorodecane Sulfonic Acid (PFDS)	0.0017 U	0.0018 U	0.0018 U	0.019 U	0.0017 U	0.0018 U
Perfluorodecanoic acid (PFDA)	0.0017 U	0.0018 U	0.014	0.11	0.0016 J	0.017
Perfluorododecanoic acid (PFDoA)	0.0017 U	0.0018 U	0.0018 U	0.019 U	0.0017 U	0.0018 U
Perfluoroheptane Sulfonate (PFHPS)	0.0017 U	0.0018 U	0.0018 U	0.019 U	0.0017 U	0.0018 U
Perfluoroheptanoic acid (PFHpA)	0.0068	0.0017	0.11 J	0.13	0.07 J	0.15
Perfluorohexanesulfonic acid (PFHxS)	0.0017 U	0.0018 U	0.0018 U	0.019 U	0.0017 U	0.00037 J
Perfluorohexanoic acid (PFHxA)	0.0059	0.0018 U	0.084 J	0.073	0.069	0.15
Perfluorononanoic acid (PFNA)	0.0006 J	0.0018 U	0.022	0.69	0.01	0.043
Perfluorooctane Sulfonamide (FOSA)	0.0026 U	0.0027 U	0.0027 U	0.028 U	0.0026 U	0.0026 U
Perfluorooctanesulfonic acid (PFOS)	0.00041 J	0.0018 U	0.0064	0.036	0.0027	0.0022
Perfluorooctanoic acid (PFOA)	0.16	0.031	3.6	150	1.5	5.3
Perfluoropentanoic Acid (PFPeA)	0.0052 U	0.0054 U	0.035	0.031 J	0.015	0.12
Perfluorotetradecanoic acid (PFTA)	0.00087 U	0.0009 U	0.0009 U	0.0093 U	0.00087 U	0.00088 U
Perfluorotridecanoic Acid (PFTriA)	0.00087 U	0.0009 U	0.0009 U	0.0093 U	0.00087 U	0.00088 U
Perfluoroundecanoic Acid (PFUnA)	0.0017 U	0.0018 U	0.0022	0.0087 J	0.0017 U	0.00045 J
Total Organic Carbon	990 J	520 J	1500	3700	910 J	950 J

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.

Table 6
Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	MW 7D MW 7-051519 05/15/2019	MW 8D MW 8-051619 05/16/2019	MW 8D MW 8-051619-UF 05/16/2019	MW 8D MW 8-051619-FIL 05/16/2019 Not Filtered	MW 8D MW 8-051619-FIL 5/16/2019 Filtered and not validated	MW 9S MW 9S 051719 05/17/2019
6:2-Fluoroteleomersulfonic acid	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0044 U	0.0018 U
8:2-Fluorotelomersulfonic acid	0.0054 U	0.0053 U	0.0053 U	0.0052 U	0.0027 U	0.0053 U
NEtFOSA	0.0027 U	0.0026 U	0.0026 U	0.0026 U	0.0027 U	0.0026 U
NMeFOSA	0.0027 U	0.0026 U	0.0026 U	0.0026 U	0.0018 U	0.0026 U
Perfluorobutanesulfonic acid (PFBS)	0.00098	0.00068 J	0.00066 J	0.00071 J	0.00057 J	0.00088 U
Perfluorobutanoic Acid (PFBA)	0.018	0.026	0.026	0.027	0.022	0.0053 U
Perfluorodecane Sulfonic Acid (PFDS)	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0018 U
Perfluorodecanoic acid (PFDA)	0.0018 J	0.0036	0.0036	0.0037	0.003	0.0028
Perfluorododecanoic acid (PFDoA)	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.00056 J
Perfluoroheptane Sulfonate (PFHPS)	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0018 U
Perfluoroheptanoic acid (PFHpA)	0.09	0.12 J	0.13 J	0.12 J	0.099	0.0019
Perfluorohexanesulfonic acid (PFHxS)	0.0004 J	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0018 U
Perfluorohexanoic acid (PFHxA)	0.061	0.15 J	0.16 J	0.15 J	0.13	0.00079 J
Perfluorononanoic acid (PFNA)	0.016	0.015	0.014	0.015	0.011	0.00098 J
Perfluorooctane Sulfonamide (FOSA)	0.0027 U	0.0026 U	0.0026 U	0.0026 U	0.0007 J	0.0026 U
Perfluorooctanesulfonic acid (PFOS)	0.0034	0.0016 J	0.0014 J	0.0016 J	0.0014 J	0.0018 U
Perfluorooctanoic acid (PFOA)	2.7	6.7	7.4	6.6 J	6.7 B	0.019
Perfluoropentanoic Acid (PFPeA)	0.029	0.097	0.096	0.098	0.091	0.0053 U
Perfluorotetradecanoic acid (PFTA)	0.0009 U	0.00088 U	0.00088 U	0.00087 U	0.0018 U	0.00088 U
Perfluorotridecanoic Acid (PFTriA)	0.0009 U	0.00088 U	0.00088 U	0.00087 U	0.0018 U	0.00088 U
Perfluoroundecanoic Acid (PFUnA)	0.0018 U	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.00065 J
Total Organic Carbon	840 J	1000 U	---	0	---	1400

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.

Table 6
Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	MW 9D	MW 10S	MW 10D	MW 11S	MW 11S	MW 11D
Sample ID	MW 9D 051719	MW 10S 051719	MW 10D 051719	MW 11S 051519	X-1-05151	MW 11D 051519
Sample Date	05/17/2019	05/17/2019	05/17/2019	05/15/2019	05/15/2019	05/15/2019
Compound						
6:2-Fluoroteleomersulfonic acid	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U
8:2-Fluorotelomersulfonic acid	0.0052 U	0.0052 U	0.0053 U	0.0053 U	0.0053 U	0.0052 U
NEtFOSA	0.0026 U	0.0026 U	0.0027 U	0.0026 U	0.0027 U	0.0026 U
NMeFOSA	0.0026 U	0.0026 U	0.0027 U	0.0026 U	0.0027 U	0.0026 U
Perfluorobutanesulfonic acid (PFBS)	0.00064 J	0.00087 U	0.00092	0.00088 U	0.00089 U	0.00091
Perfluorobutanoic Acid (PFBA)	0.0073	0.0022 J	0.0071	0.0037 J	0.0036 J	0.0059
Perfluorodecane Sulfonic Acid (PFDS)	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U
Perfluorodecanoic acid (PFDA)	0.0085	0.011	0.0018 U	0.012	0.0099	0.0017 U
Perfluorododecanoic acid (PFDoA)	0.0016 J	0.0016 J	0.0018 U	0.00052 J	0.00055 J	0.0017 U
Perfluoroheptane Sulfonate (PFHPS)	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U
Perfluoroheptanoic acid (PFHpA)	0.05	0.0065	0.042	0.0079	0.008	0.04
Perfluorohexanesulfonic acid (PFHxS)	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0017 U
Perfluorohexanoic acid (PFHxA)	0.047	0.0051	0.034	0.0081	0.0081	0.031
Perfluorononanoic acid (PFNA)	0.0047	0.004	0.0028	0.0053	0.0054	0.0024
Perfluorooctane Sulfonamide (FOSA)	0.0026 U	0.0026 U	0.0027 U	0.0026 U	0.0027 U	0.0026 U
Perfluorooctanesulfonic acid (PFOS)	0.00056 J	0.00043 J	0.00072 J	0.00059 J	0.00067 J	0.00064 J
Perfluorooctanoic acid (PFOA)	0.93	0.11	0.7	0.17	0.17	0.93
Perfluoropentanoic Acid (PFPeA)	0.013	0.0039 J	0.013	0.0056	0.0058	0.0099
Perfluorotetradecanoic acid (PFTA)	0.00044 J	0.00087 U	0.00089 U	0.00088 U	0.00089 U	0.00087 U
Perfluorotridecanoic Acid (PFTriA)	0.00046 J	0.00087 U	0.00089 U	0.00088 U	0.00089 U	0.00087 U
Perfluoroundecanoic Acid (PFUnA)	0.0031	0.0036	0.0018 U	0.0047	0.0047	0.0017 U
Total Organic Carbon	1000 U	1300	1000 U	1000	1100	1000 U

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.

Table 6
Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	MW 12S	MW 13S	MW 13D	MW 14S	MW 14D	MW 15S
Sample ID	MW 12-051519	MW 13S 051619	MW 13D 051619	MW 14S 052019	MW 14D 052119	MW 15S 05141
Sample Date	05/15/2019	05/16/2019	05/16/2019	05/20/2019	05/21/2019	05/14/2019
Compound						
6:2-Fluoroteleomersulfonic acid	0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0017 U
8:2-Fluorotelomersulfonic acid	0.0052 U	0.0052 U	0.0052 U	0.0053 U	0.0053 U	0.0052 U
NEtFOSA	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
NMeFOSA	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
Perfluorobutanesulfonic acid (PFBS)	0.00063 J	0.00064 J	0.00091	0.00065 J	0.00088 U	0.00083 J
Perfluorobutanoic Acid (PFBA)	0.0074	0.012	0.02	0.028	0.0034 J	0.097
Perfluorodecane Sulfonic Acid (PFDS)	0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0017 U
Perfluorodecanoic acid (PFDA)	0.012	0.0022	0.0028	0.056	0.0049	0.024
Perfluorododecanoic acid (PFDoA)	0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0017 U
Perfluoroheptane Sulfonate (PFHPS)	0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0017 U
Perfluoroheptanoic acid (PFHpA)	0.047	0.084	0.095 J	0.14	0.0011	0.42
Perfluorohexanesulfonic acid (PFHxS)	0.00035 J	0.0017 U	0.0017 U	0.0018 U	0.0018 U	0.0017 U
Perfluorohexanoic acid (PFHxA)	0.032	0.072	0.12	0.14	0.0018	0.18
Perfluorononanoic acid (PFNA)	0.011	0.0084	0.0089	0.028	0.00039 J	0.04
Perfluorooctane Sulfonamide (FOSA)	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
Perfluorooctanesulfonic acid (PFOS)	0.0024	0.0015 J	0.0015 J	0.0026	0.0018 U	0.0024
Perfluorooctanoic acid (PFOA)	1.1	1.5	3.4	5	0.037	6
Perfluoropentanoic Acid (PFPeA)	0.014	0.03	0.059	0.09	0.0053 U	0.09
Perfluorotetradecanoic acid (PFTA)	0.00086 U	0.00086 U	0.00087 U	0.00088 U	0.00088 U	0.00087 U
Perfluorotridecanoic Acid (PFTriA)	0.00086 U	0.00086 U	0.00087 U	0.00088 U	0.00088 U	0.00087 U
Perfluoroundecanoic Acid (PFUnA)	0.00058 J	0.0017 U	0.0017 U	0.0072	0.0056	0.0019
Total Organic Carbon	930 J	800 J	1000 U	1000	1500	2600

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.

Table 6
Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location Sample ID Sample Date Compound	MW 15D MW 15D 051419 05/14/2019	MW 16S MW 16S 052019 05/20/2019	MW 16D MW 16D 052019 05/20/2019	MW 16D MW16D 052019-FIL 05/20/2019 Not Filtered	RW 185CBR RESWELL108. 1-6-051719 05/17/2019	EXB-1 EXB 01-052019 05/20/2019
6:2-Fluorotelomersulfonic acid	0.0026 U	0.0018 U	0.0056	0.0044	0.0019 U	0.0028
8:2-Fluorotelomersulfonic acid	0.0054 U	0.0053 U	0.0052 U	0.0053 U	0.0057 U	0.0053 U
NEtFOSA	0.0027 U	0.0026 U	0.0026 U	0.0026 U	0.0029 U	0.0027 U
NMeFOSA	0.0027 U	0.0026 U	0.0026 U	0.0026 U	0.0029 U	0.0027 U
Perfluorobutanesulfonic acid (PFBS)	0.00028 J	0.00049 J	0.00048 J	0.00052 J	0.00029 J	0.00094
Perfluorobutanoic Acid (PFBA)	0.0054 U	0.035	0.0026 J	0.0028 J	0.0054 J	0.022
Perfluorodecane Sulfonic Acid (PFDS)	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0019 U	0.0018 U
Perfluorodecanoic acid (PFDA)	0.0018 U	0.0025	0.0017 U	0.0018 U	0.0019 U	0.002
Perfluorododecanoic acid (PFDoA)	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0019 U	0.0018 U
Perfluoroheptane Sulfonate (PFHPS)	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0019 U	0.0018 U
Perfluoroheptanoic acid (PFHpA)	0.0079	0.13	0.033	0.033	0.025	0.099
Perfluorohexanesulfonic acid (PFHxS)	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0019 U	0.00038 J
Perfluorohexanoic acid (PFHxA)	0.0056	0.09	0.02	0.021	0.014	0.08
Perfluorononanoic acid (PFNA)	0.0018 U	0.0034	0.0026	0.0026	0.0025	0.015
Perfluorooctane Sulfonamide (FOSA)	0.0027 U	0.0026 U	0.0026 U	0.0026 U	0.0029 U	0.0027 U
Perfluorooctanesulfonic acid (PFOS)	0.0018 U	0.0018 U	0.00084 J	0.00072 J	0.00062 J	0.0032
Perfluorooctanoic acid (PFOA)	0.16	1.4	0.59	0.53	0.45	3.2
Perfluoropentanoic Acid (PFPeA)	0.0054 U	0.044	0.0038 J	0.0039 J	0.0024 J	0.034
Perfluorotetradecanoic acid (PFTA)	0.0009 U	0.00088 U	0.00087 U	0.00088 U	0.00095 U	0.00089 U
Perfluorotridecanoic Acid (PFTriA)	0.0009 U	0.00088 U	0.00087 U	0.00088 U	0.00095 U	0.00089 U
Perfluoroundecanoic Acid (PFUnA)	0.0018 U	0.0018 U	0.0017 U	0.0018 U	0.0019 U	0.0018 U
Total Organic Carbon	1000 U	590 J	620 J	---	1000 U	700 J

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.

Table 6
Groundwater Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	EXB-2	EXB-2	EXB-2	RW-Camp	Equipment Blank	Equipment Blank
Sample ID	EXB 02-052119	EXB2-052119-FIL	EXB2-052119-FIL	RW CampRes 052119	EB 1-051619	EB 2-051619
Sample Date	05/21/2019	5/21/2019	5/21/2019	05/21/2019	05/16/2019	05/16/2019
		Not Filtered	Filtered and not validated			
Compound						
6:2-Fluoroteleomersulfonic acid	0.0047	0.0053	0.003 J	0.0018 U	0.001 J	0.002
8:2-Fluorotelomersulfonic acid	0.0053 U	0.0052 U	0.0027 U	0.0053 U	0.0054 U	0.0053 U
NEtFOSA	0.0026 U	0.0026 U	0.0027 U	0.0026 U	0.0027 U	0.0027 U
NMeFOSA	0.0026 U	0.0026 U	0.0018 U	0.0026 U	0.0027 U	0.0027 U
Perfluorobutanesulfonic acid (PFBS)	0.00088 U	0.00087 U	0.0018 U	0.00048 J	0.0009 U	0.00089 U
Perfluorobutanoic Acid (PFBA)	0.0053 U	0.0052 U	0.0044 U	0.0053 U	0.0054 U	0.0053 U
Perfluorodecane Sulfonic Acid (PFDS)	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Perfluorodecanoic acid (PFDA)	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Perfluorododecanoic acid (PFDoA)	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Perfluoroheptane Sulfonate (PFHPS)	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Perfluoroheptanoic acid (PFHpA)	0.00088 U	0.00087 U	0.0018 U	0.035	0.0009 U	0.00089 U
Perfluorohexanesulfonic acid (PFHxS)	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Perfluorohexanoic acid (PFHxA)	0.0018 U	0.0017 U	0.0018 U	0.018	0.0018 U	0.0018 U
Perfluorononanoic acid (PFNA)	0.0018 U	0.0017 U	0.0018 U	0.002	0.0018 U	0.0018 U
Perfluorooctane Sulfonamide (FOSA)	0.0026 U	0.0026 U	0.0016 J	0.0026 U	0.0027 U	0.0027 U
Perfluorooctanesulfonic acid (PFOS)	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Perfluorooctanoic acid (PFOA)	0.0023	0.0024	0.005 B	0.75	0.0009 U	0.00089 U
Perfluoropentanoic Acid (PFPeA)	0.0053 U	0.0052 U	0.0018 U	0.0053 U	0.0054 U	0.0053 U
Perfluorotetradecanoic acid (PFTA)	0.00088 U	0.00087 U	0.0018 U	0.00088 U	0.0009 U	0.00089 U
Perfluorotridecanoic Acid (PFTriA)	0.00088 U	0.00087 U	0.0018 U	0.00088 U	0.0009 U	0.00089 U
Perfluoroundecanoic Acid (PFUnA)	0.0018 U	0.0017 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Total Organic Carbon	1000 U	---	---	1000 U	---	---

Notes:
1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.

Table 6
Volatile Organic Compounds
Groundwater Sample Results
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW-7D MW 7 051519 5/15/2019	MW 11S MW 11S-051519 5/15/2019	MW 11S X 1 051519 5/15/2019	MW 11D MW 11D 051519 5/15/2019
1,1,1-Trichloroethane (TCA)	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropane	0.04	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50[G]	5 U	5 U	5 U	5 U
Acetone	50[G]	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50[G]	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50[G]	1 U	1 U	1 U	1 U
Bromomethane	5	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	60[G]	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	5	0.5 U	0.5 U	0.5 U	0.5 U
Cis-1,2-Dichloroethylene	5	0.5 U	0.5 U	0.5 U	0.5 U
Cis-1,3-Dichloropropene	0.4[a]	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	NC	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50[G]	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene (Cumene)	5	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	5[b]	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate	NC	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	50[G]	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NC	5 U	5 U	5 U	5 U
Methylcyclohexane	NC	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5	0.5 U	0.5 U	0.5 U	0.5 U
O-Xylene (1,2-Dimethylbenzene)	5[b]	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 U
Tert-Butyl Methyl Ether	10[G]	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,3-Dichloropropene	0.4[a]	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	2	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes	5[b]	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "G" indicates value is a guidance value and not a standard. "a" indicates standard applies to sum of cis- and trans-1,3 dichloropropylene. "NC" indicates there are no standards or guidance values available. "b" indicates standard applies to sum of the individual xylene isomers.
3. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Semi Volatile Organic Compounds
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW-7D MW 7 051519 5/15/2019	MW 11S MW 11S-051519 5/15/2019	MW 11S X 1 051519 5/15/2019	MW 11D MW 11D 051519 5/15/2019
1,1'-Biphenyl	5	10 U	10 U	11 U	10 U
1,2,4,5-Tetrachlorobenzene	5	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35[b]				
2,3,4,6-Tetrachlorophenol	NC	10 U	10 U	11 U	10 U
2,4,5-Trichlorophenol	NC	2 U	2 U	2 U	2 U
2,4,6-Trichlorophenol	NC	2 U	2 U	2 U	2 U
2,4-Dichlorophenol	1.0[a]	2 U	2 U	2 U	2 U
2,4-Dimethylphenol	1.0[a]	10 U	10 U	11 U	10 U
2,4-Dinitrophenol	1.0[a]	31 U	30 U	32 U	30 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10[G]	1 U	1 U	1 U	1 U
2-Chlorophenol	NC	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NC	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol (O-Cresol)	NC	2 U	2 U	2 U	2 U
2-Nitroaniline	5	7 U	7 U	7 U	7 U
2-Nitrophenol	NC	10 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	11 U	10 U
3-Nitroaniline	5	7 U	7 U	7 U	7 U
4,6-Dinitro-2-Methylphenol	NC	22 U	21 U	22 U	21 U
4-Bromophenyl Phenyl Ether	NC	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	NC	2 U	2 U	2 U	2 U
4-Chloroaniline	5	10 U	10 U	11 U	10 U
4-Chlorophenyl Phenyl Ether	NC	2 U	2 U	2 U	2 U
4-Methylphenol (P-Cresol)	NC	2 U	2 U	2 U	2 U
4-Nitroaniline	5	3 U	3 U	3 U	3 U
4-Nitrophenol	NC	31 U	30 U	32 U	30 U
Acenaphthene	20[G]	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	NC	0.5 U	0.5 U	0.5 U	0.5 U
Acetophenone	NC	10 U	10 U	11 U	10 U
Anthracene	50[G]	0.5 U	0.5 U	0.5 U	0.5 U
Atrazine	7.5	5 U	5 U	5 U	5 U
Benzaldehyde	NC	10 U	10 U	11 U	10 U
Benzo(A)Anthracene	0.002[G]	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(A)Pyrene	ND	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(B)Fluoranthene	0.002[G]	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(G,H,I)Perylene	NC	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(K)Fluoranthene	0.002[G]	0.5 U	0.5 U	0.5 U	0.5 U
Benzyl Butyl Phthalate	50[G]	5 U	5 U	5 U	5 U
Bis(2-Chloroethoxy) Methane	5	2 U	2 U	2 U	2 U
Bis(2-Chloroethyl) Ether	1	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	5	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	11 U	11 U	12 U	11 U
Caprolactam	NC	11 U	11 U	12 U	11 U
Carbazole	NC	2 U	2 U	2 U	2 U
Chrysene	0.002[G]	0.5 U	0.5 U	0.5 U	0.5 U
Dibenz(A,H)Anthracene	NC	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	NC	2 U	2 U	2 U	2 U
Diethyl Phthalate	50[G]	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50[G]	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	50[G]	11 U	11 U	12 U	11 U
Fluoranthene	50[G]	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	50[G]	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	0.04	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	2 U	2 U	2 U	2 U
Hexachlorocyclopentadiene	5	11 U	11 U	12 U	11 U
Hexachloroethane	5	5 U	5 U	5 U	5 U
Indeno(1,2,3-C,D)Pyrene	0.002[G]	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	50[G]	2 U	2 U	2 U	2 U
Naphthalene	10[G]	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	0.4	2 U	2 U	2 U	2 U

Table 6
Groundwater Sample Results
Semi Volatile Organic Compounds
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW-7D MW 7 051519 5/15/2019	MW 11S MW 11S-051519 5/15/2019	MW 11S X 1 051519 5/15/2019	MW 11D MW 11D 051519 5/15/2019
N-Nitrosodi-N-Propylamine	NC	3 U	3 U	3 U	3 U
N-Nitrosodiphenylamine	50[G]	3 U	3 U	3 U	3 U
Pentachlorophenol	1.0[a]	5 U	5 U	5 U	5 U
Phenanthrene	50[G]	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	1.0[a]	2 U	2 U	2 U	2 U
Pyrene	50[G]	0.5 U	0.5 U	0.5 U	0.5 U

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "b" indicates standard applies to sum of the individual xylene isomers. "NC" indicates there are no standards or guidance values available. "a" indicates standard applies to sum of cis- and trans-1,3 dichloropropylene. "G" indicates value is a guidance value and not a standard.
3. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Pesticides
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW 7D MW 7-051519 5/15/2019	MW 11S MW 11S 051519 5/15/2019	MW 11S X-1-051519 5/15/2019	MW 11D MW 11D 051519 5/15/2019
Aldrin	ND	0.01 U	0.01 U	0.01 U	0.01 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	0.01 U	0.01 U	0.01 U	0.01 U
Alpha Endosulfan	NC	0.01 U	0.01 U	0.01 U	0.01 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.01 U	0.01 U	0.01 U	0.01 U
Beta Endosulfan	NC	0.03 U	0.031 U	0.03 U	0.03 U
cis-Chlordane	NC	0.01 U	0.01 U	0.01 U	0.01 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.01 U	0.01 U	0.01 U	0.01 U
Dieldrin	0.004	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	NC	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	ND	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	0.1 U	0.1 U	0.1 U	0.1 U
Endrin Ketone	5	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor	0.04	0.01 U	0.01 U	0.01 U	0.01 U
Heptachlor Epoxide	0.03	0.01 U	0.01 U	0.01 U	0.01 U
Methoxychlor	35	0.1 U	0.1 U	0.1 U	0.1 U
P,P'-DDD	0.3	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	1 U	1 U	1 U	1 U
trans-Chlordane	NC	0.02 U	0.02 U	0.02 U	0.02 U

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "ND" indicates a non-detectable concentration by the approved analytical methods. "NC" indicates there are no standards or guidance values available.
3. Pesticides quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8081B by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Polychlorinated Biphenyls
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW 7D MW 7-051519 5/15/2019	MW 11S MW 11S 051519 5/15/2019	MW 11S X-1-051519 5/15/2019	MW 11D MW 11D 051519 5/15/2019
PCB-1016 (Aroclor 1016)	0.09[a]	0.0095 U	0.0095 U	0.0097 U	0.01 U
PCB-1221 (Aroclor 1221)	0.09[a]	0.0095 U	0.0095 U	0.0097 U	0.01 U
PCB-1232 (Aroclor 1232)	0.09[a]	0.0095 U	0.0095 U	0.0097 U	0.01 U
PCB-1242 (Aroclor 1242)	0.09[a]	0.0095 U	0.0095 U	0.0097 U	0.01 U
PCB-1248 (Aroclor 1248)	0.09[a]	0.0095 U	0.0095 U	0.0097 U	0.01 U
PCB-1254 (Aroclor 1254)	0.09[a]	0.0095 U	0.0095 U	0.0097 U	0.01 U
PCB-1268 (Aroclor 1268)	0.09[a]	0.0095 U	0.0095 U	0.0097 U	0.01 U

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "a" indicates standard applies to the sum of individual polychlorinated biphenyls (PCBs).
2. PCBs quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8082A by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Metals and Cations
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	EXB-1 EXB 01 052019 5/20/2019	EXB-2 EXB 02 052119 5/21/2019	MW-1S MW 1S-051419 5/14/2019	MW-1D MW 1D 051419 5/14/2019	MW-3S MW 03S-051619 5/16/2019	MW-4 MW 4S_061019 6/10/2019	MW-5S MW 5S-051619 5/16/2019	MW-6S MW 6S-051719 5/17/2019
Aluminum	NC	---	---	---	---	---	---	---	---
Antimony	3	---	---	---	---	---	---	---	---
Arsenic	25	---	---	---	---	---	---	---	---
Barium	1000	---	---	---	---	---	---	---	---
Beryllium	3[G]	---	---	---	---	---	---	---	---
Cadmium	5	---	---	---	---	---	---	---	---
Calcium	NC	24,700	25,800	3,790	3,480	8,140	36,300	16,400	45,900
Chromium, Total	50	---	---	---	---	---	---	---	---
Cobalt	NC	---	---	---	---	---	---	---	---
Copper	200	---	---	---	---	---	---	---	---
Cyanide	200	---	---	---	---	---	---	---	---
Iron	300[a]	---	---	---	---	---	---	---	---
Lead	25	---	---	---	---	---	---	---	---
Magnesium	35,000[G]	3,270	4,220	602	585	1,330	3,900	1,830	8,710
Manganese	300[a]	---	---	---	---	---	---	---	---
Mercury	0.7	---	---	---	---	---	---	---	---
Nickel	100	---	---	---	---	---	---	---	---
Potassium	NC	3,720	1,390	487 J	533	917	954	1,120	6,710
Selenium	10	---	---	---	---	---	---	---	---
Silver	50	---	---	---	---	---	---	---	---
Sodium	20,000	12,200	13,200	4,190	4,230	3,630	5,860	9,700	**109,000**
Thallium	0.5[G]	---	---	---	---	---	---	---	---
Vanadium	NC	---	---	---	---	---	---	---	---
Zinc	2,000[G]	---	---	---	---	---	---	---	---
pH (pH Units)	NC	---	---	---	---	---	---	---	---

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "G" indicates values is a guidance value and not a standard. "NC" indicates there are no standards or guidance values available. "a" indicates standard applies to sum of cis- and trans-1,3 dichloropropylene.
3. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "---" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Metals and Cations
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW-7D MW 7 051519 5/15/2019	MW-8D MW 8 051619 5/16/2019	MW-9S MW 9S-051719 5/17/2019	MW-9D MW 9D 051719 5/17/2019	MW 10S MW 10S-051719 5/17/2019	MW 10D MW 10D 051719 5/17/2019	MW 11S MW 11S-051519 5/15/2019	MW 11S X 1 051519 5/15/2019
Aluminum	NC	297 J	---	---	---	---	---	459 J	744 J
Antimony	3	2 U	---	---	---	---	---	2 U	2 U
Arsenic	25	2 U	---	---	---	---	---	2 U	2 U
Barium	1000	24	---	---	---	---	---	12	12
Beryllium	3[G]	0.1 J	---	---	---	---	---	0.5 U	0.5 U
Cadmium	5	1 U	---	---	---	---	---	1 U	1 U
Calcium	NC	8,450	15,600	3,430	45,200	4,020	52,500	3,630	3,510
Chromium, Total	50	4 U	---	---	---	---	---	0.94 J	0.83 J
Cobalt	NC	5 U	---	---	---	---	---	5 U	5 U
Copper	200	40 U	---	---	---	---	---	40 U	40 U
Cyanide	200	10 U	---	---	---	---	---	10 U	10 U
Iron	300[a]	205	---	---	---	---	---	**463 J**	**673 J**
Lead	25	3 U	---	---	---	---	---	3 U	3 U
Magnesium	35,000[G]	2,550	5,080	558	15,400	601	11,600	529	548
Manganese	300[a]	33	---	---	---	---	---	43	47
Mercury	0.7	0.2 U	---	---	---	---	---	0.2 U	0.2 U
Nickel	100	10 U	---	---	---	---	---	10 U	10 U
Potassium	NC	706	1,050	344 J	2,110	357 J	5,370	493 J	526
Selenium	10	2 U	---	---	---	---	---	2 U	2 U
Silver	50	0.5 U	---	---	---	---	---	0.5 U	0.5 U
Sodium	20,000	10,800	9,230	4,990	**40,700**	6,360	**81,200**	6,780	6,500
Thallium	0.5[G]	0.5 U	---	---	---	---	---	0.5 U	0.5 U
Vanadium	NC	10 U	---	---	---	---	---	10 U	10 U
Zinc	2,000[G]	20 U	---	---	---	---	---	20 U	20 U
pH (pH Units)	NC	7.1	---	---	---	---	---	7.2	7.0

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "G" indicates values is a guidance value and not a standard. "NC" indicates there are no standards or guidance values available. "a" indicates standard applies to sum of cis- and trans-1,3 dichloropropylene.
3. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "---" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Metals and Cations
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW 11D MW 11D 051519 5/15/2019	MW 12S MW 12 051519 5/15/2019	MW 13S MW 13S-051619 5/16/2019	MW 13D MW 13D 051619 5/16/2019	MW 14S MW 14S-052019 5/20/2019	MW 14D MW 14D 052119 5/21/2019	MW 15S MW 15S-051419 5/14/2019	MW 15D MW 15D 051419 5/14/2019
Aluminum	NC	300 U	---	---	---	---	---	---	---
Antimony	3	2 U	---	---	---	---	---	---	---
Arsenic	25	2 U	---	---	---	---	---	---	---
Barium	1000	76	---	---	---	---	---	---	---
Beryllium	3[G]	0.5 U	---	---	---	---	---	---	---
Cadmium	5	1 U	---	---	---	---	---	---	---
Calcium	NC	44,400	7,280	2,830	35,100	18,900	24,700	148,000	6,100
Chromium, Total	50	4 U	---	---	---	---	---	---	---
Cobalt	NC	5 U	---	---	---	---	---	---	---
Copper	200	40 U	---	---	---	---	---	---	---
Cyanide	200	10 U	---	---	---	---	---	---	---
Iron	300[a]	200 U	---	---	---	---	---	---	---
Lead	25	3 U	---	---	---	---	---	---	---
Magnesium	35,000[G]	9,330	813	540	9,080	1,790	5,010	12,500	2,930
Manganese	300[a]	96	---	---	---	---	---	---	---
Mercury	0.7	0.2 U	---	---	---	---	---	---	---
Nickel	100	10 U	---	---	---	---	---	---	---
Potassium	NC	4,550	1,070	361 J	2,800	2,250	9,510	7,840	946
Selenium	10	2 U	---	---	---	---	---	---	---
Silver	50	0.5 U	---	---	---	---	---	---	---
Sodium	20,000	**61,500**	**36,500**	10,200	**37,500**	**86,000**	**24,200**	**855,000**	7,950
Thallium	0.5[G]	0.5 U	---	---	---	---	---	---	---
Vanadium	NC	10 U	---	---	---	---	---	---	---
Zinc	2,000[G]	20 U	---	---	---	---	---	---	---
pH (pH Units)	NC	7.2	---	---	---	---	---	---	---

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "G" indicates values is a guidance value and not a standard. "NC" indicates there are no standards or guidance values available. "a" indicates standard applies to sum of cis- and trans-1,3 dichloropropylene.
3. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "---" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Metals and Cations
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW 16S MW 16S-052019 5/20/2019	MW 16D MW 16D 052019 5/20/2019	RW 185CBR RESWELL108. 1 6 051719 5/17/2019	RW Camp CampRes 052119 5/21/2019
Aluminum	NC	---	---	---	---
Antimony	3	---	---	---	---
Arsenic	25	---	---	---	---
Barium	1000	---	---	---	---
Beryllium	3[G]	---	---	---	---
Cadmium	5	---	---	---	---
Calcium	NC	91,400	13,600	18,800	21,900
Chromium, Total	50	---	---	---	---
Cobalt	NC	---	---	---	---
Copper	200	---	---	---	---
Cyanide	200	---	---	---	---
Iron	300[a]	---	---	---	---
Lead	25	---	---	---	---
Magnesium	35,000[G]	11,000	3,050	3,840	5,650
Manganese	300[a]	---	---	---	---
Mercury	0.7	---	---	---	---
Nickel	100	---	---	---	---
Potassium	NC	3,800	2,370	447 J	939
Selenium	10	---	---	---	---
Silver	50	---	---	---	---
Sodium	20,000	**202,000**	16,700	11,700	5,630
Thallium	0.5[G]	---	---	---	---
Vanadium	NC	---	---	---	---
Zinc	2,000[G]	---	---	---	---
pH (pH Units)	NC	---	---	---	---

Notes:

1. Results and regulatory criteria are in micrograms per liter (ug/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "G" indicates values is a guidance value and not a standard. "NC" indicates there are no standards or guidance values available. "a" indicates standard applies to sum of cis- and trans-1,3 dichloropropylene.
3. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "---" designates compound was not analyzed.
5. "J" designates result is considered estimated.
6. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Anions
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	EXB 1 EXB 01-052019 5/20/2019	EXB 2 EXB 02-052119 5/21/2019	MW 1S MW 1S 051419 5/14/2019	MW 1D MW 1D 051419 5/14/2019	MW 3S MW 03S 051619 5/16/2019
Alkalinity, Bicarbonate (As CaCO3)	NC	72.2	55.8	4.9 J	8.3	27.3
Alkalinity, Carbonate (As CaCO3)	NC	5 U	6.9	5 U	5 U	5 U
Alkalinity, Total (As CaCO3)	NC	72.2	62.6	4.9 J	8.3	27.3
Chloride (As Cl)	250,000	10.9	1.3 J	7.2	4.5	4.1
Sulfate (As SO4)	250,000	11.1	16.0	4.6 J	4.2 J	6.9

Analyte	Groundwater Quality Criteria Class C	MW-4 MW 4S 061019 6/10/2019	MW 5S MW 5S 051619 5/16/2019	MW 6S MW 6S 051719 5/17/2019	MW 7D MW 7-051519 5/15/2019	MW 8D MW 8-051619 5/16/2019
Alkalinity, Bicarbonate (As CaCO3)	NC	110.0	15.8	47.8	26.8	38.0
Alkalinity, Carbonate (As CaCO3)	NC	8 U	5 U	5 U	5 U	5 U
Alkalinity, Total (As CaCO3)	NC	110.0	15.8	47.8	26.8	38.0
Chloride (As Cl)	250,000	2.1	42.2	226.0	14.6	24.2
Sulfate (As SO4)	250,000	5.3	6.5	17.9	10.5	8.9

Analyte	Groundwater Quality Criteria Class C	MW 9S MW 9S 051719 5/17/2019	MW 9D MW 9D 051719 5/17/2019	MW 10S MW 10S 051719 5/17/2019	MW 10D MW 10D 051719 5/17/2019	MW 11S MW 11S 051519 5/15/2019
Alkalinity, Bicarbonate (As CaCO3)	NC	5.4	26.2	6.6	20.3	7.6
Alkalinity, Carbonate (As CaCO3)	NC	5 U	5 U	5 U	5 U	5 U
Alkalinity, Total (As CaCO3)	NC	5.4	26.2	6.6	20.3	7.6
Chloride (As Cl)	250,000	9.1	177.0	10.6	228.0	8.5
Sulfate (As SO4)	250,000	4.6 J	6.8	4.5 J	7.0	4.9 J

Notes:

1. Results are in milligrams per liter (mg/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "NC" indicates there are no standards or guidance values available.
3. Alkalinity and chloride, sulfate quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method SM2330B and E300.0 respectively by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "J" designates result is considered estimated.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 6
Groundwater Sample Results
Anions
Taconic - Petersburgh, New York

Analyte	Groundwater Quality Criteria Class C	MW 11S X 1-051519 5/15/2019	MW 11D MW 11D 051519 5/15/2019	MW 12S MW 12-051519 5/15/2019	MW 13S MW 13S 051619 5/16/2019	MW 13D MW 13D 051619 5/16/2019
Alkalinity, Bicarbonate (As CaCO3)	NC	7.9	22.5	16.8	18.1	23.5
Alkalinity, Carbonate (As CaCO3)	NC	5 U	5 U	5 U	5 U	5 U
Alkalinity, Total (As CaCO3)	NC	7.9	22.5	16.8	18.1	23.5
Chloride (As Cl)	250,000	8.1	178.0	64.0	7.2	159 E
Sulfate (As SO4)	250,000	5.1	7.0	7.6	7.0	8.9

Analyte	Groundwater Quality Criteria Class C	MW 14S MW 14S 052019 5/20/2019	MW 14D MW 14D 052119 5/21/2019	MW 15S MW 15S 051419 5/14/2019	MW 15D MW 15D 051419 5/14/2019	MW 16S MW 16S 052019 5/20/2019
Alkalinity, Bicarbonate (As CaCO3)	NC	15.3	105.0	50.3	22.2	11.3
Alkalinity, Carbonate (As CaCO3)	NC	5 U	14.1	5 U	5 U	5 U
Alkalinity, Total (As CaCO3)	NC	15.3	119.0	50.3	22.2	11.3
Chloride (As Cl)	250,000	146.0	2.3	1,930	11.2	520.0
Sulfate (As SO4)	250,000	8.4	14.0	19.2	8.5	8.0

Analyte	Groundwater Quality Criteria Class C	MW 16D MW 16D 052019 5/20/2019	RW 185CBR RESWELL108. 1-6-051719 5/17/2019	RW-Camp CampRes 052119 5/21/2019
Alkalinity, Bicarbonate (As CaCO3)	NC	29.6	62.7	56.5
Alkalinity, Carbonate (As CaCO3)	NC	5 U	5 U	5 U
Alkalinity, Total (As CaCO3)	NC	29.6	62.7	56.5
Chloride (As Cl)	250,000	38.8	1.3 J	21.2
Sulfate (As SO4)	250,000	7.2	23.3	5.1

Notes:

1. Results are in milligrams per liter (mg/L).
2. Regulatory criteria are 6 NYCRR 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Standards and Ambient Water Quality Standards and Guidance Values from NYSDEC TOGS 1.1.1. "NC" indicates there are no standards or guidance values available.
3. Alkalinity and chloride, sulfate quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method SM2330B and E300.0 respectively by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "J" designates result is considered estimated.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 7
Synoptic Water Level Measurements
May 13, 2019

Taconic
Petersburgh, New York

Well ID	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
MW-1S	770.52	767.62	11.92	758.60
MW-1D	770.19	767.17	11.37	758.82
MW-2	NA	NA	NA	NA
MW-3S	750.19	750.47	3.70	746.49
MW-4S	752.59	750.30	NA	NA
MW-5S	751.31	748.67	9.82	741.49
MW-6S	742.26	739.63	7.17	735.09
MW-7S	735.84	736.14	NM	NM
MW-8D	735.33	735.66	8.97	726.36
MW-9S	734.51	734.83	1.81	732.70
MW-9D	734.44	734.74	7.86	726.58
MW-10S	735.37	735.70	6.97	728.40
MW-10D	735.48	735.71	10.14	725.34
MW-11S	729.14	726.39	4.71	724.43
MW-11D	729.29	726.50	5.70	723.59
MW-12S	725.30	722.45	3.89	721.41
MW-13S	724.37	721.42	4.41	719.96
MW-13D	724.42	721.40	3.47	720.95
MW-14S	723.78	720.73	6.70	717.08
MW-14D	723.64	720.70	1.96	721.68
MW-15S	757.97	755.06	15.32	742.65
MW-15D	757.65	754.90	24.51	733.14
MW-16S	732.11	729.04	6.44	725.67
MW-16D	731.86	728.93	5.09	726.77
EXB-1	738.89	735.67	16.38	722.51
EXB-2	723.99	720.91	1.95	722.04
Campground Well	724.19	722.11	1.38	722.81
85 Coonbrook Well	767.63	766.90	5.16	762.47

Notes
1. Elevations are in feet above mean sea level.
2. Depth to water provided in feet below measuring point.
3. "NA" designates not applicable.
4. "NM" designates not measured.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-1	SS-1	SS-2	SS-2	SS-3	SS-3	SS-4
Sample ID	SS-1A	SS-1B	SS-2A	SS-2B	SS-3A	SS-3B	SS-4A
Sample Date	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018
Compound							
6:2 fluorotelomersulfonate	2.9 U	2.7 U	3.0 U	2.6 U	3.0 U	2.8 U	3.4 U
8:2 fluorotelomersulfonate	2.9 U	2.7 U	3.0 U	2.6 U	3.0 U	2.8 U	3.4 U
NEtFOSAA	2.9 U	2.7 U	3.0 U	2.6 UJ	3.0 U	2.8 U	3.4 U
NMeFOSSA	2.9 U	2.7 U	3.0 U	2.6 U	3.0 U	2.8 U	3.4 U
Perfluorobutanesulfonate	0.86 U	0.80 U	0.91 U	0.77 U	0.90 U	0.85 U	1.0 U
Perfluorobutanoic acid	0.34 J	0.29 J	0.91 U	0.27 J	0.44 J	0.85 J	0.87 J
Perfluorodecanesulfonate	1.4 U	1.3 U	1.5 U	1.3 U	1.5 U	1.4 U	1.7 U
Perfluorodecanoic acid	0.87 J+	0.65 J	1.0	0.77 J	3.1	1.8	2.3
Perfluorododecanoic acid	0.36 J	0.80 U	0.41 J	0.32 J	1.7	0.66 J	2.1
Perfluoroheptanesulfonate	0.86 U	0.80 U	0.91 U	0.77 U	0.90 U	0.85 U	1.0 U
Perfluoroheptanoic acid	0.86 U	0.80 U	0.91 U	0.36 J	0.56 J	1.0	0.85 J
Perfluorohexanesulfonic acid	0.86 U	0.80 U	0.91 U	0.77 U	0.90 U	0.85 U	1.0 U
Perfluorohexanoic acid	0.86 U	0.80 U	0.91 U	0.77 U	0.90 U	0.70 J	1.0 U
Perfluorononanoic acid	0.48 J	0.79 J	0.59 J	0.69 J	0.81 J	1.6	0.64 J
Perfluorooctanesulfonamide	0.86 U	0.80 U	0.91 U	0.77 U	0.90 U	0.85 U	1.0 U
Perfluoro-octanesulfonate (PFOS)	1.3 U	1.2 U	0.60 J	0.50 J-	1.4 U	1.3 U	0.89 J-
Perfluorooctanoic acid (PFOA)	1.9 J+	4.2 J+	2.4 J+	4.7 J+	3.6 J+	8.3 J+	5.7 J+
Perfluoropentanoic acid	0.86 U	0.80 U	0.91 U	0.77 U	0.90 U	0.72 J-	0.57 J-
Perfluorotetradecanoic acid	0.86 U	0.80 U	0.91 U	0.77 U	0.75 J	0.30 J	0.88 J
Perfluorotridecanoic acid	0.86 U	0.80 U	0.91 U	0.77 U	1.3 J+	0.52 J+	1.7 J+
Perfluoroundecanoic acid	0.63 J	0.42 J	0.83 J	0.63 J	2.8	1.1	2.6
Total PFOS and PFOA	1.9	4.2	2.4	5.2	3.6	8.3	6.59
Total Organic Carbon (TOC)	61,200,000	31,000,000	28,500,000	16,700,000	50,600,000	21,500,000	73,300,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-4	SS-5	SS-5	SS-6	SS-6	SS-7	SS-7
Sample ID	SS-4B	SS-5A	SS-5B	SS-6A	SS-6B	SS-7A	SS-7B
Sample Date	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018
Compound							
6:2 fluorotelomersulfonate	2.7 U	2.9 U	2.5 U	3.3 U	2.5 U	3.8 U	2.4 U
8:2 fluorotelomersulfonate	2.7 U	2.9 U	2.5 U	3.3 U	2.5 U	3.8 U	2.4 U
NEtFOSAA	2.7 U	2.9 U	2.5 U	3.3 U	2.5 U	3.8 U	2.4 U
NMeFOSSA	2.7 U	2.9 U	2.5 U	3.3 U	2.5 U	3.8 U	2.4 U
Perfluorobutanesulfonate	0.81 U	0.87 U	0.75 U	0.99 U	0.76 U	1.1 U	0.73 U
Perfluorobutanoic acid	1.1	0.84 J	1.1	1.8	1.6	2.6	1.0
Perfluorodecanesulfonate	1.4 U	1.5 U	1.3 U	1.7 U	1.3 U	1.9 U	1.2 U
Perfluorodecanoic acid	0.39 J	3.3	2.3	5.7	0.96	5.1	0.71 J
Perfluorododecanoic acid	0.81 U	1.9	0.63 J	3.4	0.29 J	3.5	0.73 U
Perfluoroheptanesulfonate	0.81 U	0.87 U	0.75 U	0.99 U	0.76 U	1.1 U	0.73 U
Perfluoroheptanoic acid	1.7	0.45 J	1.6	1.7	1.5	1.9	2.6
Perfluorohexanesulfonic acid	0.81 U	0.87 U	0.75 U	0.99 U	0.76 U	1.1 U	0.73 U
Perfluorohexanoic acid	2.7	0.68 J	2.3	1.9	1.8	3.1	2.4
Perfluorononanoic acid	0.72 J	0.70 J	1.4	2.6	1.5	2.0	1.0
Perfluorooctanesulfonamide	0.81 U	0.87 U	0.75 U	0.99 U	0.76 U	1.1 U	0.73 U
Perfluoro-octanesulfonate (PFOS)	0.44 J-	0.55 J-	0.44 J-	1.3 J-	1.1 U	1.9 J-	0.43 J-
Perfluorooctanoic acid (PFOA)	18 J+	7.9 J+	26 J+	28 J+	29 J+	21 J+	27 J+
Perfluoropentanoic acid	1.2 J-	0.59 J-	1.2 J-	1.9 J-	1.7 J-	2.8 J-	1.2 J-
Perfluorotetradecanoic acid	0.81 U	1.1	0.34 J	1.8	0.76 U	2.0	0.73 U
Perfluorotridecanoic acid	0.81 U	1.5 J+	0.48 J+	2.8 J+	0.76 U	2.7 J+	0.73 U
Perfluoroundecanoic acid	0.81 U	2.7	1.0	4.7	0.43 J	4.8	0.42 J
Total PFOS and PFOA	18.44	8.45	26.44	29.3	29	22.9	27.43
Total Organic Carbon (TOC)	35,800,000	54,400,000	29,700,000	99,400,000	30,600,000	129,000,000	22,000,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-8	SS-8	SS-9	SS-9	SS-10	SS-10	
Sample ID	SS-8A	SS-8B	SS-9A	SS-9B	SS 10A	SS 10B	FRB043018
Sample Date	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018	4/30/2018
Compound							
6:2 fluorotelomersulfonate	3.4 U	2.4 U	3.2 U	2.3 U	3.6 U	3.1 U	0.0020 U
8:2 fluorotelomersulfonate	3.4 U	2.4 U	3.2 U	2.3 U	3.6 U	3.1 U	0.0060 U
NEtFOSAA	3.4 U	2.4 U	3.2 U	2.3 U	3.6 U	3.1 U	0.0030 U
NMeFOSSA	3.4 U	2.4 U	3.2 U	2.3 U	3.6 U	3.1 U	0.0030 U
Perfluorobutanesulfonate	1.0 U	0.73 U	0.96 U	0.69 U	1.1 U	0.94 U	0.0010 U
Perfluorobutanoic acid	3.6	3.5	1.1	2.1	0.68 J	0.84 J	0.0060 U
Perfluorodecanesulfonate	1.7 U	1.2 U	1.6 U	1.1 U	1.8 U	1.6 U	0.0020 U
Perfluorodecanoic acid	14	2.3	6.8	5.9	1.8	1.7	0.0020 U
Perfluorododecanoic acid	9.7	1.2	8.9	2.3	1.0 J	0.65 J	0.0010 U
Perfluoroheptanesulfonate	1.0 U	0.73 U	0.96 U	0.69 U	1.1 U	0.94 U	0.0020 U
Perfluoroheptanoic acid	2.1	1.3	0.69 J	1.1	1.2	1.2	0.0010 U
Perfluorohexanesulfonic acid	1.0 U	0.73 U	0.96 U	0.69 U	1.1 U	0.94 U	0.0020 U
Perfluorohexanoic acid	3.1	3.4	0.51 J	1.7	1.0 J	1.7	0.0020 U
Perfluorononanoic acid	4.5	2.5	1.4	3.8	0.91 J	1.4	0.0020 U
Perfluorooctanesulfonamide	1.0 U	0.73 U	0.96 U	0.69 U	1.1 U	0.94 U	0.0030 U
Perfluoro-octanesulfonate (PFOS)	1.9 J-	0.41 J-	0.52 J	0.63 J-	1.6 U	1.4 U	0.0020 U
Perfluorooctanoic acid (PFOA)	81 J+	48 J+	13 J+	23 J+	14 J+	17 J+	0.0010 U
Perfluoropentanoic acid	38 J-	6.9 J-	0.59 J	1.6 J-	0.86 J	1.2 J-	0.0060 U
Perfluorotetradecanoic acid	5.0	0.66 J	4.7	0.90	0.38 J	0.34 J	0.0010 U
Perfluorotridecanoic acid	9.0 J+	0.89 J+	6.9 J+	1.6 J+	0.67 J	0.53 J	0.0010 U
Perfluoroundecanoic acid	11	1.2	9.4	3.9	1.4	1.1	0.0020 U
Total PFOS and PFOA	82.9	48.41	13.52	23.63	15.6	17	ND
Total Organic Carbon (TOC)	118,000,000	26,400,000	79,800,000	22,500,000	41,700,000	17,700,000	1,000 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location		SS-11	SS-11	SS-12	SS-12	SS-13	SS-13
Sample ID	TB043018	SS 11A	SS 11B	SS 12A	SS 12B	SS 13A	SS 13B
Sample Date	4/30/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018
Compound							
6:2 fluorotelomersulfonate	0.0021 U	2.7 UJ	2.4 UJ	2.4 U	2.3 U	3.1 UJ	2.4 U
8:2 fluorotelomersulfonate	0.0062 U	2.7 U	2.4 U	2.4 U	2.3 U	3.1 U	2.4 U
NEtFOSAA	0.0031 U	2.7 U	2.4 U	2.4 U	2.3 U	3.1 U	2.4 U
NMeFOSSA	0.0031 U	2.7 U	2.4 U	2.4 U	2.3 U	3.1 U	2.4 U
Perfluorobutanesulfonate	0.0010 U	0.82 U	0.71 U	0.71 U	0.70 U	0.92 U	0.73 U
Perfluorobutanoic acid	0.0062 U	0.46 J	0.32 J	0.71 U	0.46 J	0.39 J	0.56 J
Perfluorodecanesulfonate	0.0021 U	1.4 U	1.2 U	1.2 U	1.2 U	1.5 U	1.2 U
Perfluorodecanoic acid	0.0021 U	1.2	0.62 J	0.31 J	2.3	1.1	0.66 J
Perfluorododecanoic acid	0.0010 U	1.6	0.43 J	0.74	2.2	0.59 J	0.28 J
Perfluoroheptanesulfonate	0.0021 U	0.82 U	0.71 U	0.71 U	0.70 U	0.92 U	0.73 U
Perfluoroheptanoic acid	0.0010 U	0.82 U	0.71 U	0.71 U	0.34 J	0.92 U	0.45 J
Perfluorohexanesulfonic acid	0.0021 U	0.82 U	0.71 U	0.71 U	0.70 U	0.92 U	0.73 U
Perfluorohexanoic acid	0.0021 U	0.82 U	0.71 U	0.71 U	0.33 J	0.92 U	0.59 J
Perfluorononanoic acid	0.0021 U	0.30 J	0.71 U	0.71 U	0.37 J	0.42 J	0.61 J
Perfluorooctanesulfonamide	0.0031 U	0.82 U	0.71 U	0.71 U	0.70 U	0.92 U	0.73 U
Perfluoro-octanesulfonate (PFOS)	0.0021 U	1.2 U	1.1 U	1.1 U	1.1 U	1.4 U	1.1 U
Perfluorooctanoic acid (PFOA)	0.0010 U	2.0	1.2	0.67 J	3.6	2.2	4.5
Perfluoropentanoic acid	0.0062 U	0.27 J	0.71 U	0.71 U	0.42 J	0.35 J	0.64 J
Perfluorotetradecanoic acid	0.0010 U	0.92	0.71 U	0.34 J	0.90	0.92 U	0.73 U
Perfluorotridecanoic acid	0.0010 U	1.6	0.40 J	0.54 J	1.5	0.41 J	0.73 U
Perfluoroundecanoic acid	0.0021 U	1.9	0.68 J	0.57 J	2.6	1.1	0.44 J
Total PFOS and PFOA	ND	2	1.2	0.67	3.6	2.2	4.5
Total Organic Carbon (TOC)	--	62,100,000	10,800,000	13,700,000	19,000,000	33,300,000	21,200,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-14	SS-14	SS-15	SS-15	SS-16	SS-16	SS-17
Sample ID	SS 14A	SS 14B	SS 15A	SS 15B	SS 16A	SS 16B	SS 17A
Sample Date	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018
Compound							
6:2 fluorotelomersulfonate	2.9 UJ	2.6 U	2.2 U	2.1 U	3.2 UJ	2.5 UJ	2.8 UJ
8:2 fluorotelomersulfonate	2.9 U	2.6 U	2.2 U	2.1 U	3.2 U	2.5 U	2.8 U
NEtFOSAA	2.9 U	2.6 U	2.2 U	2.1 U	3.2 U	2.5 U	2.8 U
NMeFOSSA	2.9 U	2.6 U	2.2 U	2.1 U	3.2 U	2.5 U	2.8 U
Perfluorobutanesulfonate	0.86 U	0.79 U	0.66 U	0.64 U	0.96 U	0.76 U	0.85 U
Perfluorobutanoic acid	0.86 U	0.41 J	0.66 U	0.64 U	1.2	1.7	1.1
Perfluorodecanesulfonate	1.4 U	1.3 U	1.1 U	1.1 U	1.6 U	1.3 U	1.4 U
Perfluorodecanoic acid	0.90	1.9	0.66 U	0.91	5.2	3.9	4.1
Perfluorododecanoic acid	0.59 J	0.71 J	0.90	3.3	2.1	1.2	1.7
Perfluoroheptanesulfonate	0.86 U	0.79 U	0.66 U	0.64 U	0.96 U	0.76 U	0.85 U
Perfluoroheptanoic acid	0.54 J	0.84	0.66 U	0.64 U	0.71 J	1.4	0.33 J
Perfluorohexanesulfonic acid	0.86 U	0.79 U	0.66 U	0.64 U	0.96 U	0.76 U	0.85 U
Perfluorohexanoic acid	0.86 U	0.57 J	0.66 U	0.64 U	1.1	2.0	0.52 J
Perfluorononanoic acid	0.35 J	1.1	0.66 U	0.64 U	1.7	2.3	1.2
Perfluorooctanesulfonamide	0.86 U	0.79 U	0.66 U	0.64 U	0.96 U	0.76 U	0.85 U
Perfluoro-octanesulfonate (PFOS)	1.3 U	1.2 U	0.98 U	0.96 U	0.59 J	0.50 J	1.3 U
Perfluorooctanoic acid (PFOA)	3.7	12	0.24 J	0.87	13	26	5.0
Perfluoropentanoic acid	0.86 U	0.52 J	0.66 U	0.64 U	1.8	2.3	1.4
Perfluorotetradecanoic acid	0.58 J	0.79 U	0.45 J	1.4	0.81 J	0.51 J	0.71 J
Perfluorotridecanoic acid	0.62 J	0.48 J	0.72	2.9	1.7	0.95	1.1
Perfluoroundecanoic acid	0.78 J	1.3	0.60 J	2.8	3.4	1.9	2.7
Total PFOS and PFOA	3.7	12	0.24	0.87	13.59	26.5	5.0
Total Organic Carbon (TOC)	26,600,000	32,100,000	5,770,000	9,140,000	37,800,000	19,700,000	44,600,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-17	SS-17	SS-17	SS-18	SS-18	SS-18	SS-19
Sample ID	DUP-2	SS 17B	SS 17C	SS 18A	SS 18B	SS 18C	SS 19A
Sample Date	5/7/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018
Compound							
6:2 fluorotelomersulfonate	2.9 U	2.4 U	2.6 UJ	3.9 UJ	2.3 UJ	3.5 U	3.4 U
8:2 fluorotelomersulfonate	2.9 U	2.4 U	2.6 U	3.9 U	2.3 U	3.5 U	3.4 U
NEtFOSAA	2.9 U	2.4 U	2.6 U	3.9 U	2.3 U	3.5 U	3.4 U
NMeFOSSA	2.9 U	2.4 U	2.6 U	3.9 U	2.3 U	3.5 U	3.4 U
Perfluorobutanesulfonate	0.87 U	0.72 U	0.77 U	1.2 U	0.70 U	1.0 U	1 U
Perfluorobutanoic acid	0.99	1.0	1.0	3.1	0.70 U	0.93 J	0.37 J
Perfluorodecanesulfonate	1.4 U	1.2 U	1.3 U	2.0 U	1.2 U	0.67 J	1.7 U
Perfluorodecanoic acid	4.8	2.9	3.9 J	2.5	2.3	11	2.7
Perfluorododecanoic acid	1.9	1.2	1.6	21	15	47	27
Perfluoroheptanesulfonate	0.87 U	0.72 U	0.77 U	1.2 U	0.70 U	1.0 U	1 U
Perfluoroheptanoic acid	0.43 J	0.43 J	0.44 J	0.47 J	0.32 J	1.3	0.4 J
Perfluorohexanesulfonic acid	0.87 U	0.72 U	0.77 U	1.2 U	0.70 U	1.0 U	1 U
Perfluorohexanoic acid	0.54 J	0.74	0.55 J	1.2 U	0.70 U	0.75 J	1 U
Perfluorononanoic acid	1.4	1.6	1.3	1.2 U	0.34 J	1.8	0.45 J
Perfluorooctanesulfonamide	0.87 UJ	0.72 U	0.77 U	1.2 U	0.70 U	1.0 U	1 UJ
Perfluoro-octanesulfonate (PFOS)	1.3 U	1.1 U	1.2 U	1.8 U	1.1 U	1.6 U	1.5 U
Perfluorooctanoic acid (PFOA)	5.9	6.7	6.0 J	22	11	54	15
Perfluoropentanoic acid	1.2 J-	1.5	1.3 J	1.2 UJ	0.70 U	0.94 J	1 U
Perfluorotetradecanoic acid	0.6 J	0.46 J	0.54 J	14	9.4	32	14
Perfluorotridecanoic acid	1.2	0.86	1.1	25	13	41	28
Perfluoroundecanoic acid	3	1.7	2.5	6.3	5.9	21	20
Total PFOS and PFOA	5.9	6.7	6.0	22	11	54	15
Total Organic Carbon (TOC)	41,300,000	22,700,000	41,600,000	107,000,000	77,500,000	86,200,000	95,800,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-19	SS-20	SS-20	SS-20	SS-21	SS-21	SS-22
Sample ID	SS 19B	SS 20A	SS 20B	SS 20C	SS 21A	SS 21B	SS 22A
Sample Date	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018
Compound							
6:2 fluorotelomersulfonate	2.7 U	2.3 U	2.3 U	2.2 U	3 U	2.6 U	2.6 U
8:2 fluorotelomersulfonate	2.7 U	2.3 U	2.3 U	2.2 U	3 U	2.6 U	2.6 U
NEtFOSAA	2.7 U	2.3 U	2.3 U	2.2 U	3 U	1.3 J	2.6 U
NMeFOSSA	2.7 U	2.3 U	2.3 U	2.2 U	3 U	2.6 U	2.6 U
Perfluorobutanesulfonate	0.82 U	0.68 U	0.68 U	0.66 U	0.9 U	0.78 U	0.78 U
Perfluorobutanoic acid	0.82 U	0.68 U	0.3 J	0.66 U	0.38 J	0.89	0.89
Perfluorodecanesulfonate	1.4 U	1.1 U	1.1 U	1.1 U	1.5 U	1.3 U	1.3 U
Perfluorodecanoic acid	4.6	0.71	0.86	1.1	4.2	68	8.1
Perfluorododecanoic acid	16	5.9	10	12	11	140	20
Perfluoroheptanesulfonate	0.82 U	0.68 U	0.68 U	0.66 U	0.9 U	0.78 U	0.78 U
Perfluoroheptanoic acid	0.82 U	0.76	1.4	0.91	2.4	12	0.99
Perfluorohexanesulfonic acid	0.82 U	0.68 U	0.68 U	0.66 U	0.9 U	0.78 U	0.78 U
Perfluorohexanoic acid	0.82 U	0.45 J	1	0.59 J	1.5	6.9	0.93
Perfluorononanoic acid	0.44 J	0.68 U	0.68 U	0.66 U	0.99	14	1.1
Perfluorooctanesulfonamide	0.82 UJ	0.68 UJ	0.68 UJ	0.66 UJ	0.9 UJ	0.38 J-	0.78 UJ
Perfluoro-octanesulfonate (PFOS)	1.2 U	0.75 J	1 U	1 U	1.4 U	2	0.63 J
Perfluorooctanoic acid (PFOA)	9.1	45	95	63	210	1,100	47
Perfluoropentanoic acid	0.82 U	0.68 UJ	0.26 J	0.66 U	0.54 J	1.3 J-	0.81
Perfluorotetradecanoic acid	7.7	4.8	7.6	7.5	12	130	16
Perfluorotridecanoic acid	13	3.4	5.4	6.2	8.5	100	17
Perfluoroundecanoic acid	17	1.2	1.7	2.6	2.5	50	14
Total PFOS and PFOA	9.1	45.75	95	63	210	1,102	47.63
Total Organic Carbon (TOC)	29,700,000	13,500,000	12,400,000	11,900,000	55,400,000	35,500,000	27,300,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-22	SS-22	SS-22	SS-23	SS-23		
Sample ID	DUP-1	SS 22B	SS 22C	SS 23A	SS 23B	FRB050118	TB050118
Sample Date	5/7/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018	5/1/2018
Compound							
6:2 fluorotelomersulfonate	2.7 U	2.2 U	2.5 U	2.6 U	2.2 U	0.0021 U	0.002 U
8:2 fluorotelomersulfonate	2.7 U	2.2 U	2.5 U	2.6 U	2.2 U	0.0062 U	0.006 U
NEtFOSAA	2.7 U	0.99 J	1 J	2.6 U	0.61 J	0.0031 U	0.003 U
NMeFOSSA	2.7 U	2.2 U	2.5 U	2.6 U	2.2 UJ	0.0031 U	0.003 U
Perfluorobutanesulfonate	0.82 U	0.65 U	0.75 U	0.78 U	0.65 U	0.001 U	0.001 U
Perfluorobutanoic acid	0.55 J	0.32 J	0.7 J	0.3 J	0.65 U	0.0062 U	0.006 U
Perfluorodecanesulfonate	1.4 U	1.1 U	1.2 U	1.3 U	1.1 U	0.0021 U	0.002 U
Perfluorodecanoic acid	6.8	10	11	6.2	8.3	0.0021 U	0.002 U
Perfluorododecanoic acid	19	2.2	9.2	15	2.1	0.001 U	0.001 U
Perfluoroheptanesulfonate	0.82 U	0.65 U	0.75 U	0.78 U	0.65 U	0.0021 U	0.002 U
Perfluoroheptanoic acid	1.4	0.51 J	0.75	2.2	0.29 J	0.001 U	0.001 U
Perfluorohexanesulfonic acid	0.82 U	0.65 U	0.75 U	0.78 U	0.65 U	0.0021 U	0.002 U
Perfluorohexanoic acid	1.3	0.34 J	0.57 J	1.2	0.65 U	0.0021 U	0.002 U
Perfluorononanoic acid	0.75 J	2.6	2.3	0.95	3.2	0.0021 U	0.002 U
Perfluorooctanesulfonamide	0.82 UJ	0.25 J-	0.75 UJ	0.78 UJ	0.24 J-	0.0031 U	0.003 U
Perfluoro-octanesulfonate (PFOS)	0.76 J	1.6	2.1	0.96 J	1.6	0.0021 U	0.002 U
Perfluorooctanoic acid (PFOA)	58	130	120	130	200	0.001 U	0.001 U
Perfluoropentanoic acid	0.51 J-	0.65 U	0.63 J-	0.36 J-	0.65 U	0.0062 U	0.006 U
Perfluorotetradecanoic acid	14	0.87	5.4	11	1	0.001 U	0.001 U
Perfluorotridecanoic acid	16	1.4	6.7	14	1.5	0.001 U	0.001 U
Perfluoroundecanoic acid	9.6	2.5	7.3	9.4	2	0.0021 U	0.002 U
Total PFOS and PFOA	58.76	131.6	122.1	130.96	201.6	ND	ND
Total Organic Carbon (TOC)	16,700,000	10,300,000	14,600,000	35,300,000	11,700,000	1,000 U	--

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-24	SS-24	SS-25	SS-25	SS-26	SS-26	SS-27
Sample ID	SS 24A	SS 24B	SS 25A	SS 25B	SS 26A	SS 26B	SS 27A
Sample Date	5/2/2018	5/2/2018	5/2/2018	5/2/2018	5/2/2018	5/2/2018	5/2/2018
Compound							
6:2 fluorotelomersulfonate	2.6 U	2.5 U	2.4 U	2.1 U	2.1 U	2.2 U	2.8 U
8:2 fluorotelomersulfonate	2.6 U	2.5 U	2.4 U	2.1 U	2.1 U	2.2 U	2.8 U
NEtFOSAA	2.6 U	2.5 U	2.4 U	2.1 U	2.1 U	2.2 UJ	2.8 U
NMeFOSSA	2.6 U	2.5 U	2.4 U	2.1 U	2.1 U	2.2 U	2.8 U
Perfluorobutanesulfonate	0.79 U	0.75 U	0.72 U	0.64 U	0.62 U	0.66 U	0.84 U
Perfluorobutanoic acid	0.79 U	0.75 U	0.72 U	0.64 U	0.62 U	0.66 U	0.54 J
Perfluorodecanesulfonate	1.3 U	1.3 U	1.2 U	1.1 U	1 U	1.1 U	1.4 U
Perfluorodecanoic acid	0.27 J	1.1	1.4	1.1	0.23 J	0.28 J	21
Perfluorododecanoic acid	1.1	6.8	4.1	9	3.7	4.1	130
Perfluoroheptanesulfonate	0.79 U	0.75 U	0.72 U	0.64 U	0.62 U	0.66 U	0.84 U
Perfluoroheptanoic acid	0.79 U	0.75 U	0.43 J	0.64 U	0.62 U	0.66 U	6.6
Perfluorohexanesulfonic acid	0.79 U	0.75 U	0.72 U	0.64 U	0.62 U	0.66 U	0.84 U
Perfluorohexanoic acid	0.79 U	0.75 U	0.72 U	0.64 U	0.62 U	0.66 U	3.3
Perfluorononanoic acid	0.79 U	0.32 J	0.52 J	0.31 J	0.62 U	0.66 U	3.2
Perfluorooctanesulfonamide	0.79 UJ	0.75 UJ	0.72 UJ	0.64 UJ	0.62 UJ	0.66 UJ	0.84 UJ
Perfluoro-octanesulfonate (PFOS)	1.2 U	1.1 U	1.1 U	0.97 U	0.93 U	1 U	1.3 U
Perfluorooctanoic acid (PFOA)	3.7	3.4	16	5.1	0.88	0.76	310
Perfluoropentanoic acid	0.79 U	0.75 U	0.72 U	0.64 U	0.62 UJ	0.66 UJ	1.1
Perfluorotetradecanoic acid	7.9	13	60	30	2.1	2.1	110
Perfluorotridecanoic acid	7	27	15	42	5.3	4.7	120
Perfluoroundecanoic acid	0.57 J	2.5	1.5	2.1	1.2	1.5	32
Total PFOS and PFOA	3.7	3.4	16	5.1	0.88	0.76	310
Total Organic Carbon (TOC)	27,300,000	8,810,000	14,800,000	7,220,000	6,450,000	3,850,000	41,000,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-27	SS-28	SS-28	SS-29	SS-29	SS-30	SS-30
Sample ID	SS 27B	SS 28A	SS 28B	SS 29A	SS 29B	SS 30A	SS 30B
Sample Date	5/2/2018	5/2/2018	5/2/2018	5/2/2018	5/2/2018	5/2/2018	5/2/2018
Compound							
6:2 fluorotelomersulfonate	2.2 U	2.2 U	2.3 U	2.4 U	2.6 U	2.1 U	2.1 U
8:2 fluorotelomersulfonate	2.2 U	2.2 U	2.3 U	2.4 U	2.6 U	2.1 U	2.1 U
NEtFOSAA	2.2 UJ	2.2 U	2.3 UJ	2.4 U	2.6 U	2.1 U	2.1 UJ
NMeFOSSA	2.2 U	2.2 U	2.3 U	2.4 U	2.6 U	2.1 U	2.1 U
Perfluorobutanesulfonate	0.65 U	0.66 U	0.7 U	0.71 U	0.78 U	0.63 U	0.63 U
Perfluorobutanoic acid	0.22 J	0.66 U	0.7 U	0.71 U	0.78 U	0.63 U	0.63 U
Perfluorodecanesulfonate	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1 U	1.1 U
Perfluorodecanoic acid	5.3	0.26 J	0.71	1.8	2	0.63 U	0.28 J
Perfluorododecanoic acid	53	2.7	14	4.6	6.2	0.87	3.1
Perfluoroheptanesulfonate	0.65 U	0.66 U	0.7 U	0.71 U	0.78 U	0.63 U	0.63 U
Perfluoroheptanoic acid	0.86	0.66 U	0.7 U	0.78	0.88	1	0.44 J
Perfluorohexanesulfonic acid	0.65 U	0.66 U	0.7 U	0.71 U	0.78 U	0.63 U	0.63 U
Perfluorohexanoic acid	0.45 J	0.66 U	0.7 U	0.35 J	0.39 J	0.5 J	0.22 J
Perfluorononanoic acid	0.74	0.66 U	0.7 U	0.57 J+	0.75 J	0.63 U	0.63 U
Perfluorooctanesulfonamide	0.65 UJ	0.66 U	0.7 U	0.71 UJ	0.78 UJ	0.63 UJ	0.63 UJ
Perfluoro-octanesulfonate (PFOS)	0.97 U	1 U	1 U	1.1 U	1.2 U	0.33 J	0.95 U
Perfluorooctanoic acid (PFOA)	56	4.2	4.8	38	46	26	13
Perfluoropentanoic acid	0.37 J+	0.66 U	0.7 U	0.71 U	0.78 U	0.63 U	0.63 U
Perfluorotetradecanoic acid	35	5.2	13	26	38	2.9	4
Perfluorotridecanoic acid	44	6.7	22	11	15	1.9	4.3
Perfluoroundecanoic acid	12	0.58 J	2.2	1.4	1.7	0.32 J	0.84
Total PFOS and PFOA	56	4.2	4.8	38	46	26.33	13
Total Organic Carbon (TOC)	7,750,000	8,530,000	7,010,000	25,100,000	15,200,000	38,100,000	17,000,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-31	SS-31	TB	FRB	FRB 1	EB 1	EB2-090718
Sample ID	SS 31A	SS 31B	5/2/2018	5/2/2018	5/7/2018	5/7/2018	9/7/2018
Sample Date	5/2/2018	5/2/2018					
Compound							
6:2 fluorotelomersulfonate	2.2 U	2.1 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
8:2 fluorotelomersulfonate	2.2 U	2.1 U	0.0055 U	0.0057 U	0.0056 U	0.0055 U	0.0053 U
NEtFOSAA	2.2 U	2.1 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U	0.0027 U
NMeFOSSA	2.2 U	2.1 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U	0.0027 U
Perfluorobutanesulfonate	0.65 U	0.63 U	0.00092 U	0.00094 U	0.00093 U	0.00091 U	0.00088 U
Perfluorobutanoic acid	0.65 U	0.63 U	0.0055 U	0.0057 U	0.0056 U	0.0055 U	0.0053 U
Perfluorodecanesulfonate	1.1 U	4.9	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
Perfluorodecanoic acid	0.65 U	0.34 J	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
Perfluorododecanoic acid	0.87	3.9	0.00092 U	0.00094 U	0.00093 U	0.00091 U	0.0018 U
Perfluoroheptanesulfonate	0.65 U	0.63 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
Perfluoroheptanoic acid	0.65 U	0.3 J	0.00092 U	0.00094 U	0.00093 U	0.00091 U	0.00088 U
Perfluorohexanesulfonic acid	0.65 U	0.63 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
Perfluorohexanoic acid	0.65 U	0.63 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
Perfluorononanoic acid	0.65 U	0.63 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
Perfluorooctanesulfonamide	0.65 UJ	0.63 U	0.0028 U	0.0028 U	0.0028 UJ	0.0027 UJ	0.0027 U
Perfluoro-octanesulfonate (PFOS)	0.97 U	0.94 U	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
Perfluorooctanoic acid (PFOA)	4.1	11	0.00092 U	0.00094 U	0.00093 U	0.00091 U	0.00088 U
Perfluoropentanoic acid	0.65 U	0.63 U	0.0055 U	0.0057 U	0.0056 U	0.0055 U	0.0053 U
Perfluorotetradecanoic acid	2.7	4.9	0.00092 U	0.00094 U	0.00093 U	0.00091 U	0.00088 U
Perfluorotridecanoic acid	1.7	6.2	0.00092 U	0.00094 U	0.00093 U	0.00091 U	0.00088 U
Perfluoroundecanoic acid	0.24 J	0.71	0.0018 U	0.0019 U	0.0019 U	0.0018 U	0.0018 U
Total PFOS and PFOA	4.1	11	ND	ND	ND	ND	ND
Total Organic Carbon (TOC)	81,200,000	7,370,000	--	1,000 U	--	1,000 U	--

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	EB3-090718 9/7/2018	EB4-090718 9/7/2018	SS-4R SS4A R 090718 9/7/2018	SS-4R SS4B R 090718 9/7/2018	SS-5R SS5A R 090718 9/7/2018	SS-5R SS5B R 090718 9/7/2018	SS-6R SS6A R 090718 9/7/2018
6:2 fluorotelomersulfonate	0.0019 U	0.0019 U	2.7 U	2.3 U	2.7 U	2.4 U	2.7 U
8:2 fluorotelomersulfonate	0.0056 U	0.0056 U	2.7 U	2.3 U	2.7 U	2.4 U	2.7 U
NEtFOSAA	0.0028 U	0.0028 U	2.7 U	2.3 U	2.7 U	2.4 U	2.7 U
NMeFOSSA	0.0028 U	0.0028 U	2.7 U	2.3 U	2.7 U	2.4 UJ	2.7 U
Perfluorobutanesulfonate	0.00094 U	0.00094 U	0.8 U	0.7 U	0.81 U	0.73 U	0.8 U
Perfluorobutanoic acid	0.0056 U	0.0056 U	0.63 J	0.66 J	1.6	1.9	0.98
Perfluorodecanesulfonate	0.0019 U	0.0019 U	1.3 U	1.2 U	1.4 U	1.2 U	1.3 U
Perfluorodecanoic acid	0.0019 U	0.0019 U	3.2	2.2	2.9	1.5	6.4
Perfluorododecanoic acid	0.0019 U	0.0019 U	2.1	0.93	2.2	0.26 J	3.5
Perfluoroheptanesulfonate	0.0019 U	0.0019 U	0.8 U	0.7 U	0.81 U	0.73 U	0.8 U
Perfluoroheptanoic acid	0.00094 U	0.00094 U	0.32 J	1.1	1	2.4	0.75 J
Perfluorohexanesulfonic acid	0.0019 U	0.0019 U	0.8 U	0.7 U	0.81 U	0.73 U	0.8 U
Perfluorohexanoic acid	0.0019 U	0.0019 U	0.38 J	0.88	1.8	5.3	0.74 J
Perfluorononanoic acid	0.0019 U	0.0019 U	0.93	2	1	1.8	2.2
Perfluorooctanesulfonamide	0.0028 U	0.0028 U	0.8 UJ	0.7 U	0.81 U	0.73 UJ	0.8 U
Perfluoro-octanesulfonate (PFOS)	0.0019 U	0.0019 U	0.62 J	0.74 J	0.55 J	0.45 J	1.1 J
Perfluorooctanoic acid (PFOA)	0.00094 U	0.00094 U	4.6	14	20	45	20
Perfluoropentanoic acid	0.0056 U	0.0056 U	0.32 J-	0.54 J-	1.5 J-	3.1 J-	0.67 J-
Perfluorotetradecanoic acid	0.00094 U	0.00094 U	0.8 J	0.4 J	1.2	0.73 U	1.8
Perfluorotridecanoic acid	0.00094 U	0.00094 U	1.4	0.73	1.6	0.73 U	2.9
Perfluoroundecanoic acid	0.0019 U	0.0019 U	3.9	2	2.7	0.37 J	5.3
Total PFOS and PFOA	ND	ND	5.22	14.74	20.55	45.45	21.1
Total Organic Carbon (TOC)	--	--	--	--	--	--	--

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS-6R	SS-8R	SS-8R	SS 16R	SS 16R	SS 20R	SS 20R
Sample ID	SS6B R 090718	SS8A R 090718	SS8B R 090718	SS16A R 090718	SS16B R 090718	SS20A R 090718	SS20B R 090718
Sample Date	9/7/2018	9/7/2018	9/7/2018	9/7/2018	9/7/2018	9/7/2018	9/7/2018
Compound							
6:2 fluorotelomersulfonate	2.4 U	2.5 U	2.3 UJ	2.4 U	2.5 U	2.3 U	2.3 U
8:2 fluorotelomersulfonate	2.4 U	2.5 U	2.3 U	2.4 U	2.5 U	2.3 U	2.3 U
NEtFOSAA	2.4 U	2.5 U	2.3 U	2.4 U	2.5 U	2.3 U	2.3 U
NMeFOSSA	2.4 UJ	2.5 U	2.3 UJ	2.4 U	2.5 U	2.3 U	2.3 U
Perfluorobutanesulfonate	0.73 U	0.75 U	0.7 U	0.73 U	0.74 U	0.69 U	0.68 U
Perfluorobutanoic acid	1.1	3.1	2.4 J-	0.7 J	0.45 J	0.69 U	0.27 J
Perfluorodecanesulfonate	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U
Perfluorodecanoic acid	0.97	9.8	3.4	4.3	2.4	0.78	1
Perfluorododecanoic acid	0.29 J	9.1	1.4	2.2	0.85	5.8	11
Perfluoroheptanesulfonate	0.73 U	0.75 U	0.7 U	0.73 U	0.74 U	0.69 U	0.68 U
Perfluoroheptanoic acid	0.76	2.7	3.3 J-	0.47 J	0.31 J	1.1	0.62 J
Perfluorohexanesulfonic acid	0.73 U	0.75 U	0.7 U	0.73 U	0.74 U	0.69 U	0.68 U
Perfluorohexanoic acid	0.98	3.4	4.8 J-	0.69 J	0.35 J	1	0.49 J
Perfluorononanoic acid	2.1	3.9	4.5	1.5	1.1	0.28 J	0.68 U
Perfluorooctanesulfonamide	0.73 UJ	0.75 U	0.7 UJ	0.73 U	0.74 U	0.69 U	0.68 UJ
Perfluoro-octanesulfonate (PFOS)	0.42 J	1.3	0.62 J	0.6 J	0.46 J	1 U	1 U
Perfluorooctanoic acid (PFOA)	25	59	86 J-	9.8	6.3 J	69	32 J
Perfluoropentanoic acid	1.1 J-	3.4 J-	3.2 J-	0.93	0.52 J-	0.23 J	0.25 J
Perfluorotetradecanoic acid	0.73 U	4.5	0.69 J	0.92	0.41 J	4.4	5.1 J
Perfluorotridecanoic acid	0.24 J	6.3	1.3	1.6	0.81	3.2	4.2
Perfluoroundecanoic acid	0.48 J	11	2.6	4	1.6	1.2	2.3
Total PFOS and PFOA	25.42	60.3	86.62	10.4	6.76	69	32
Total Organic Carbon (TOC)	--	--	--	--	--	--	--

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SS 20R	SS 22R	SS 22R	SS 22R	
Sample ID	SSDUP1-090718	SS22A R 090718	SSDUP2-090718	SS22B R 090718	FRB2-090718
Sample Date	9/7/2018	9/7/2018	9/7/2018	9/7/2018	9/7/2018
Compound					
6:2 fluorotelomersulfonate	2.1 U	2.4 U	2.4 U	2.1 U	0.0021 U
8:2 fluorotelomersulfonate	2.1 U	2.4 U	2.4 U	2.1 U	0.0064 U
NEtFOSAA	2.1 U	2.4 U	2.4	1.8 J	0.0032 U
NMeFOSSA	2.1 U	2.4 U	2.4 U	2.1 U	0.0032 U
Perfluorobutanesulfonate	0.64 U	0.73 U	0.71 U	0.36 J	0.0011 U
Perfluorobutanoic acid	0.24 J	0.39 J	0.71 U	0.29 J	0.0064 U
Perfluorodecanesulfonate	1.1 U	1.2 U	1.2 U	1.1 U	0.0021 U
Perfluorodecanoic acid	0.75	4.8	23	33	0.0021 U
Perfluorododecanoic acid	7.4	7.4	6.4	3.9	0.0021 U
Perfluoroheptanesulfonate	0.64 U	0.73 U	0.71 U	0.64 U	0.0021 U
Perfluoroheptanoic acid	0.32 J	1.1	1.4 J	2.8 J	0.0011 U
Perfluorohexanesulfonic acid	0.64 U	0.73 U	0.71 U	0.98	0.0021 U
Perfluorohexanoic acid	0.26 J	0.76	0.64 J	1.2	0.0021 U
Perfluorononanoic acid	0.64 U	1	6.4 J	11 J	0.0021 U
Perfluorooctanesulfonamide	0.64 UJ	0.73 U	0.36 J	0.34 J	0.0032 U
Perfluoro-octanesulfonate (PFOS)	0.96 U	0.94 J	2.5	5.4	0.0021 U
Perfluorooctanoic acid (PFOA)	18 J	150	230 J	490 J	0.0011 U
Perfluoropentanoic acid	0.64 UJ	0.73 UJ	0.71 U	0.32 J	0.0064 U
Perfluorotetradecanoic acid	2.9 J	5.5	2.2	1.2	0.0011 U
Perfluorotridecanoic acid	3	6.4	3.2 J	1.8 J	0.0011 U
Perfluoroundecanoic acid	1.5	5.8	10 J	5.4 J	0.0021 U
Total PFOS and PFOA	18	150.94	232.5	495.4	ND
Total Organic Carbon (TOC)	--	--	--	--	--

Notes:

1. Results are in micrograms per kilogram (ug/kg), except for equipment blank (EB), field reagent blank (FRB), and trip blank (TB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
4. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. "J+" designates result is considered estimated and potentially biased high.
9. "ND" designates the sum of PFOS and PFOA was non-detect.
10. "UJ" designates compound is not detected at or above the estimated LOQ.
11. "--" designates compound was not analyzed.

Table 8
Surface Soil Sample Results
Volatile Organic Compounds
Taconic - Petersburgh, New York

Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater	Sample Location / Sample ID / Sample Date						
			SS 17 SS 17C 5/1/2018	SS 17 DUP-2 5/7/2018	SS 18 SS 18C 5/1/2018	SS 20 SS 20C 5/1/2018	SS 22 SS 22C 5/1/2018	SS 22 DUP-1 5/7/2018	EB 1 5/7/2018
1,1,1-Trichloroethane	1,000,000	680	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
1,1,2,2-Tetrachloroethane	600[CP]	NC	7.0 UJ	9.0 U	14 U	4.0 U	5.0 U	7.0 UJ	0.50 U
1,1,2-Trichloroethane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
1,1-Dichloroethane	480,000	270	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
1,1-Dichloroethene	1,000,000	330	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
1,2,3-Trichlorobenzene	20,000[CP]	NC	7.0 UJ	9.0 U	14 U	4.0 U	5.0 UJ	7.0 UJ	0.50 U
1,2,4-Trichlorobenzene	3,400[CP]	NC	7.0 UJ	9.0 U	14 U	4.0 U	5.0 UJ	7.0 UJ	0.50 U
1,2-Dibromo-3-chloropropane	NC	NC	7.0 UJ	9.0 U	14 U	4.0 U	5.0 U	7.0 UJ	0.50 U
1,2-Dibromoethane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
1,2-Dichlorobenzene	1,000,000	1,100	7.0 UJ	9.0 U	14 U	4.0 U	5.0 U	7.0 UJ	0.50 U
1,2-Dichloroethane	60,000	20	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
1,2-Dichloropropane	700,000[CP]	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
1,3-Dichlorobenzene	560,000	2,400	7.0 UJ	9.0 U	14 U	4.0 U	5.0 U	7.0 UJ	0.50 U
1,4-Dichlorobenzene	250,000	1,800	7.0 UJ	9.0 U	14 U	4.0 U	5.0 U	7.0 UJ	0.50 U
2-Butanone	1,000,000	120	43 J	92	84	14	21 J	71	5.0 U
2-Hexanone	NC	NC	14 U	19 U	29 U	8.0 U	10 U	13 U	5.0 U
4-Methyl-2-Pentanone	1,000[CP]	NC	14 U	19 U	29 U	8.0 U	10 U	13 U	5.0 U
Acetone	1,000,000	50	**660 J**	**1,300 J**	**1,500 J+**	**180 J**	**240 J**	**900 J**	5.0 U
Benzene	89,000	60	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Bromochloromethane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Bromodichloromethane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Bromoform	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Bromomethane	NC	NC	7.0 U	9.0 UJ	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Carbon disulfide	2,700[CP]	NC	7.0 U	9.0 U	14 U	2 J	5.0 U	7.0 U	1.0 U
Carbon Tetrachloride	44,000	760	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Chlorobenzene	1,000,000	1,100	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Chloroethane	1,900[CP]	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Chloroform	700,000	370	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Chloromethane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
cis-1,2-Dichloroethene	1,000,000	250	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Cis-1,3-Dichloropropene	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Cyclohexane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Dibromochloromethane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Dichlorodifluoromethane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	6,000[CP]	NC	14 U	19 U	29 U	8.0 U	10 U	13 U	0.50 U
Ethylbenzene	780,000	1,000	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Isopropylbenzene	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
m,p-Xylene	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Methyl Acetate	NC	NC	13 J	74	18	4.0 U	44 J	11	1.0 U
Methylcyclohexane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Methylene Chloride	1,000,000	50	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.2 J
MTBE	1,000,000	930	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
o-Xylene	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Styrene	3000,000[CP]	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Tetrachloroethene	300,000	1,300	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Toluene	1,000,000	700	7.0 U	9.0 U	5 J	2 J	5.0 U	2 J	0.50 U
trans-1,2-Dichloroethene	1,000,000	190	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Trans-1,3-Dichloropropene	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Trichloroethene	400,000	470	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Trichlorofluoromethane	NC	NC	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Vinyl Chloride	27,000	20	7.0 U	9.0 UJ	14 U	4.0 U	5.0 U	7.0 U	0.50 U
Xylenes (total)	1,000,000	1,600	7.0 U	9.0 U	14 U	4.0 U	5.0 U	7.0 U	0.50 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. Soil Cleanup Objectives (SCOs) are in ug/kg.
4. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CP-51/Soil Cleanup Guidance, October 2010 (lowest value)."NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
5. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
6. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "J" designates result is considered estimated.
9. "J+" designates result is considered estimated and potentially biased high.

Table 8
Surface Soil Sample Results
Semi-Volatile Organic Compounds
Taconic - Petersburgh, New York

		Sample Location	SS 17	SS 17	SS 18	SS 20	SS 22	SS 22	EB-1
		Sample ID	SS 17C	DUP 2	SS 18C	SS 20C	SS 22C	DUP 1	
		Sample Date	5/1/2018	5/7/2018	5/1/2018	5/1/2018	5/1/2018	5/7/2018	5/7/2018
Compound	Restricted Use - Protection of Human Health Industrial	Restricted Use - Protection of Groundwater							
1,1'-Biphenyl	60,000[CP]	NC	47 UJ	54 U	57 U	69	43 UJ	55 U	11 U
1,2,4,5-Tetrachlorobenzene	NC	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	2.0 U
1,4-Dioxane	250,000	100	470 UJ	**180 J**	570 U	380 U	430 UJ	500 U	0.30 U
2,3,4,6-Tetrachlorophenol	NC	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	11 U
2,4,5-Trichlorophenol	4,000[CP]	NC	47 UJ	74 U	57 U	38 U	43 UJ	75 U	2.0 U
2,4,6-Trichlorophenol	10,000[CP]	NC	47 UJ	74 U	57 U	38 U	43 UJ	75 U	2.0 U
2,4-Dichlorophenol	20,000[CP]	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	2.0 U
2,4-Dimethylphenol	NC	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	11 U
2,4-Dinitrophenol	20,000[CP]	NC	R	1500 U	1700 U	1100 U	R	1500 U	32 U
2,4-Dinitrotoluene	NC	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	5.0 U
2,6-Dinitrotoluene	NC	NC	47 UJ	74 U	57 U	38 U	43 UJ	75 U	2.0 U
2-Chloronaphthalene	NC	NC	46 UJ	49 U	56 U	38 U	43 UJ	50 U	1.0 U
2-Chlorophenol	800[CP]	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	2.0 U
2-Methylnaphthalene	NC	NC	55 J-	49 U	7 J	300	37 J-	50 U	0.50 U
2-Methylphenol	1,000,000	330	47 UJ	98 U	57 U	38 U	43 UJ	100 U	2.0 U
2-Nitroaniline	NC	NC	47 UJ	74 U	57 U	38 U	43 UJ	75 U	7.0 U
2-Nitrophenol	7,000[CP]	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	11 U
3&4-Methylphenol	1,000,000	330	47 UJ	74 U	57 U	38 U	43 UJ	75 U	2.0 U
3,3-Dichlorobenzidine	NC	NC	R	490 U	570 U	380 U	R	500 U	11 U
3-Nitroaniline	NC	NC	R	250 U	290 U	190 U	R	250 U	7.0 U
4,6-Dinitro-2-methylphenol	NC	NC	R	740 U	860 U	570 U	640 UJ	750 U	22 U
4-Bromophenyl-phenylether	NC	NC	47 UJ	74 U	57 U	38 U	43 UJ	75 U	2.0 U
4-Chloro-3-methylphenol	NC	NC	47 UJ	49 U	57 U	38 U	43 UJ	50 U	2.0 U
4-Chloroaniline	NC	NC	R	250 U	110 U	77 U	R	250 U	11 U
4-Chlorophenyl-phenylether	NC	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	2.0 U
4-Nitroaniline	NC	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	3.0 U
4-Nitrophenol	7,000[CP]	NC	R	740 U	860 U	570 U	R	750 U	32 U
Acenaphthene	1,000,000	98,000	27 J-	25 U	24 J	530	72 J-	15 J	0.50 U
Acenaphthylene	1,000,000	107,000	24 UJ	12 J	19 J	64	22 UJ	25 U	0.50 U
Acetophenone	NC	NC	47 UJ	74 U	43 J	38 U	43 UJ	75 U	11 U
Anthracene	1,000,000	1,000,000	19 J-	25	120	1,600	220 J-	52	0.50 U
Atrazine	NC	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	5.0 U
Benzaldehyde	NC	NC	400 J-	500	340	190 U	140 J-	250 U	11 U
Benzo[a]anthracene	11,000	1,000	26 J-	35	700	**3,300**	390 J-	150	0.50 U
Benzo[a]pyrene	1,100	22,000	35 J-	46	810	2,700	370 J-	140	0.1 J
Benzo[b]fluoranthene	11,000	1,700	51 J-	73	1,200	**3,400**	480 J-	240	0.1 J
Benzo[g,h,i]perylene	1,000,000	1,000,000	30 J-	36	690	1,600	240 J-	110	0.2 J
Benzo[k]fluoranthene	110,000	1,700	29 J-	36	440	**1,900**	240 J-	100	0.1 J
Bis(2-Chloroethoxy)methane	NC	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	2.0 U
Bis(2-Chloroethyl)Ether	NC	NC	47 UJ	74 U	57 U	38 U	43 UJ	75 U	2.0 U
Bis(2-chloroisopropyl)ether	NC	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	2.0 U
Bis(2-Ethylhexyl)phthalate	239000[CP]	NC	240 UJ	250 U	290 U	200 U	220 UJ	250 U	12 U
Butylbenzylphthalate	NC	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	5.0 U
Caprolactam	NC	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	12 U
Carbazole	NC	NC	47 UJ	54 U	110	1,000	110 J-	37 J	2.0 U
Chrysene	110,000	1,000	42 J-	52	910	**3,000**	420 J-	160	0.1 J
Dibenzo[a,h]Anthracene	1,100	1,000,000	24 UJ	13 J	140	500	73 J-	32	0.50 U
Dibenzofuran	1,000,000	210,000	47 UJ	54 U	57 U	380	48 J-	55 U	2.0 U
Diethylphthalate	100,000[CP]	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	5.0 U
Dimethylphthalate	200,000[CP]	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	5.0 U
Di-n-butylphthalate	NC	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	5.0 U
Di-n-octylphthalate	NC	NC	230 UJ	250 U	290 U	190 U	210 UJ	250 U	12 U
Fluoranthene	1,000,000	1,000,000	70 J-	88	2,000	7,600	980 J-	360	0.1 J
Fluorene	1,000,000	386,000	20 J	25 U	30	620	89 J-	20 J	0.50 U
Hexachlorobenzene	12,000	3,200	24 UJ	25 U	29 U	20 U	22 UJ	25 U	0.50 U
Hexachlorobutadiene	NC	NC	47 UJ	74 U	57 U	38 U	43 UJ	75 U	2.0 U

Table 8
Surface Soil Sample Results
Semi-Volatile Organic Compounds
Taconic - Petersburgh, New York

		Sample Location Sample ID Sample Date	SS 17 SS 17C 5/1/2018	SS 17 DUP 2 5/7/2018	SS 18 SS 18C 5/1/2018	SS 20 SS 20C 5/1/2018	SS 22 SS 22C 5/1/2018	SS 22 DUP 1 5/7/2018	EB-1 5/7/2018
Compound	Restricted Use - Protection of Human Health Industrial	Restricted Use - Protection of Groundwater							
Hexachlorocyclopentadiene	10,000[CP]	NC	R	740 U	860 U	570 U	R	750 U	12 U
Hexachloroethane	NC	NC	R	250 U	290 U	190 U	R	250 U	5.0 U
Indeno[1,2,3-cd]pyrene	11,000	8,200	25 J-	33	610	1,600	230 J-	100	0.1 J
Isophorone	NC	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	2.0 U
Naphthalene	1,000,000	12,000	290 J-	35	14 J	120	39 J-	12 J	0.50 U
Nitrobenzene	40,000[CP]	NC	47 UJ	98 U	57 U	38 U	43 UJ	100 U	2.0 U
N-Nitroso-Di-N-Propylamine	NC	NC	47 UJ	74 U	57 U	38 U	43 UJ	75 U	3.0 U
N-Nitrosodiphenylamine	20,000[CP]	NC	47 UJ	54 U	57 U	38 U	43 UJ	55 U	3.0 U
Pentachlorophenol	55,000	800	240 UJ	250 U	290 U	200 U	220 UJ	250 U	5.0 U
Phenanthrene	1,000,000	1,000,000	69 J-	61	650	6,400	830 J-	210	0.50 U
Phenol	1,000,000	330	47 UJ	85	57 U	38 U	29 J-	75 U	2.0 U
Pyrene	1,000,000	1,000,000	67 J-	87	1,600	5,900	790 J-	280	0.2 J

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
3. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CP-51/Soil Cleanup Guidance, October 2010 (lowest value)."NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
4. Semi-volatile organic compounds (SVOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8270D by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "UJ" designates compound is not detected at or above the estimated Limit of Quantitation (LOQ).
6. "U" designates compound was not detected at or above the LOQ.
7. "J" designates result is considered estimated.
8. "J-" designates result is considered estimated and potentially biased low.
9. “R” designates result is rejected.

Table 8
Surface Soil Sample Results
Pesticides
Taconic - Petersburgh, New York

Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater	Sample Location Sample ID Sample Date SS-17 SS-17C 5/1/2018	SS-17 DUP-2 5/7/2018	SS-18 SS-18C 5/1/2018	SS-20 SS-20C 5/1/2018	SS-22 SS-22C 5/1/2018	SS-22 DUP-1 5/7/2018	EB-1 5/7/2018
4-4-DDD	180,000	14,000	2.4 U	12 U	2.9 U	2.0 U	2.2 J+	13 U	0.019 U
4-4-DDE	120,000	17,000	2.4 U	12 U	2.9 U	3	1.3 J	13 U	0.019 U
4-4-DDT	94,000	136,000	2.4 U	12 U	0.92 J	9.1	16 J	3.9 J	0.046 U
a-BHC	6,800	20	1.2 U	6.1 U	1.4 U	0.96 U	0.6 J	6.2 U	0.0097 U
Aldrin	1,400	190	1.2 U	6.1 U	1.4 U	0.96 U	1.1 U	6.2 U	0.0097 U
alpha-Chlordane	47,000	2,900	1.2 U	6.1 U	0.56 J	0.96 U	1.1 U	6.2 U	0.0097 U
b-BHC	14,000	90	1.4 U	7.3 U	1.7 U	1.2 U	1.3 U	7.4 U	0.0097 U
d-BHC	1,000,000	250	1.3 U	6.6 U	1.5 U	1.0 U	1.2 U	6.7 U	0.0097 U
Dieldrin	2,800	100	2.4 U	12 U	2.9 U	2.0 U	2.2 U	13 U	0.019 U
Endosulfan I	920000[a]	102,000	1.2 U	6.1 U	1.4 U	0.96 U	0.67 J+	6.2 U	0.0097 U
Endosulfan II	920000[a]	102,000	2.4 U	12 U	2.9 U	2.0 U	2.2 U	13 U	0.029 U
Endosulfan Sulfate	920000[a]	1,000,000	2.4 U	12 U	0.71 JP	2.1 U	2.2 U	13 U	0.019 U
Endrin	410,000	60	2.4 U	12 U	2.9 U	0.76 J	2.2 U	13 U	0.019 U
Endrin Aldehyde	NC	NC	2.4 U	12 U	2.9 U	2.0 U	2.2 U	13 U	0.097 U
Endrin Ketone	540[CP]	NC	2.5 U	13 U	3.1 U	2.1 U	3.0 U	13 U	0.019 U
Heptachlor	29,000	380	1.2 U	6.1 U	1.4 U	0.2 J	0.33 J+	6.2 U	0.0097 U
Heptachlor Epoxide	20[CP]	NC	1.2 U	6.1 U	1.4 U	0.43 J	0.94 J	6.2 U	0.0097 U
Lindane	23,000	100	1.2 U	6.1 U	1.4 U	0.96 U	1.1 U	6.2 U	0.0097 U
Methoxychlor	1,200[CP]	NC	9.4 U	49 U	11 U	7.7 U	8.7 U	50 U	0.097 U
Toxaphene	NC	NC	46 U	240 U	56 U	38 U	43 U	250 U	0.97 U
γ-Chlordane	NC	NC	1.2 U	6.1 U	1.4 U	0.96 U	1.1 U	6.2 U	0.019 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. Soil Cleanup Objectives (SCOs) are in ug/kg.
4. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CO-51/Soil Cleanup Guidance, October 2010 (lowest value "a" indicates the standard applies to the sum of Endosulfan I, Endosulfan II and Endosulfan Sulfate. "NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted Exceedances for Restricted Use - Protection of Groundwater are bolded.
5. Pesticides quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8081B by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
6. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
7. "J" designates result is considered estimated.
8. "J+" designates result is considered estimated and potentially biased high.
9. "P" designates compound difference between the primary and confirmation column >40%. The lower result is reported.

Table 8
Surface Soil Sample Results
Polychlorinated Biphenyls
Taconic - Petersburgh, New York

		Sample Location Sample ID Sample Date	SS-17 SS 17C 5/1/2018	SS-17 DUP-2 5/7/2018	SS-18 SS 18C 5/1/2018	SS-20 SS 20C 5/1/2018	SS-22 SS 22C 5/1/2018	SS-22 DUP-1 5/7/2018	EB 1 5/7/2018
Compound	Restricted Use - Protection of Human Health Industrial	Restricted Use - Protection of Groundwater							
PCB-1016	25,000[a]	3,200[a]	24 UJ	25 U	29 U	20 U	22 U	25 U	0.0096 U
PCB-1221	25,000[a]	3,200[a]	24 U	25 U	29 U	20 U	22 U	25 U	0.0096 U
PCB-1232	25,000[a]	3,200[a]	24 U	25 U	29 U	20 U	22 U	25 U	0.0096 U
PCB-1242	25,000[a]	3,200[a]	24 U	25 U	29 U	20 U	22 U	25 U	0.0096 U
PCB-1248	25,000[a]	3,200[a]	24 U	25 U	29 U	20 U	22 U	25 U	0.0096 U
PCB-1254	25,000[a]	3,200[a]	24 U	25 U	29 U	21	50	28 J	0.0096 U
PCB-1260	25,000[a]	3,200[a]	24 U	25 U	29 U	20 U	22 U	25 U	0.0096 U
PCB-1262	25,000[a]	3,200[a]	24 U	25 U	29 U	20 U	22 U	25 U	0.0096 U
PCB-1268	25,000[a]	3,200[a]	24 U	25 U	29 U	20 U	22 U	25 U	0.0096 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. Soil Cleanup Objectives (SCOs) are in ug/kg.
4. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "a" indicates standard applied to the sum of individual Polychlorinated biphenyls (PCBs). Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
5. Polychlorinated biphenyls (PCBs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8082A by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
6. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
7. "J" designates result is considered estimated.

Table 8
Surface Soil Sample Results
Metals
Taconic - Petersburgh, New York

		Sample Location	SS 17	SS 17	SS 18	SS 20	SS 22	SS 22	
		Sample ID	SS 17C	DUP-2	SS 18C	SS 20C	SS 22C	DUP-1	EB 1
		Sample Date	5/1/2018	5/7/2018	5/1/2018	5/1/2018	5/1/2018	5/7/2018	5/7/2018
Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater							
Aluminum	10,000,000[CP]	NC	18,800,000	18,700,000	18,200,000	13,600,000	18,900,000 J	22,800,000	200 U
Antimony	12,000[CP]	NC	216 J	191 J	677 U	110 J	470 J	376 J	1.0 U
Arsenic	16,000	16,000	7,920 J	7,250	9,660	7,190	8,290 J	7,870	2.0 U
Barium	10,000,000	820,000	241,000	169,000	89,000	96,900	114,000 J	46,100	2.0 U
Beryllium	2,700,000	47,000	923	868	421	522	466	416	0.50 U
Cadmium	60,000	7,500	357 J	304	190 J	338	1,440 J	972	0.50 U
Calcium	10,000,000[CP]	NC	2,190,000	2,290,000	3,530,000	8,080,000	809,000 J	850,000	200 U
Chromium	800,000[(1)]	NC	24,100 J	16,200	18,700	15,300	19,200 J	28,500	2.0 U
Cobalt	20,000[CP]	NC	10,800	10,700	15,100	10,400	23,600 J	14,700	5.0 U
Copper	10,000,000	1,720,000	18,700 J	13,900	39,100	41,900	56,900 J	34,900	2.1
Cyanide (Amenable)	10,000,000	40,000	1400 U	710 U	410 J	590 U	650 U	760 U	10 U
Iron	NC	NC	29,000,000	29,700,000	35,800,000	27,800,000	37,100,000 J	45,100,000	200 U
Lead	3,900,000	450,000	35,600	28,900	22,300	42,500	30,500 J	34,800	1.0 U
Magnesium	NC	NC	3,970,000	4,040,000	6,770,000	5,910,000	5,000,000 J	9,370,000	100 U
Manganese	10,000,000	2,000,000	1,520,000	1,560,000	1,060,000	979,000	889,000 J	1,020,000	2.0 U
Mercury	5,700	730	50.1 J	56.9 J	54.0 J	119	108 J	77.2 J	0.20 U
Nickel	10,000,000	130,000	16,800	17,400	32,200	22,600	25,100 J	30,900	10 U
Potassium	NC	NC	2,710 J	2,510	931	1,630	1,300	948	500 U
Selenium	6,800,000	4,000	368 J	431 J	209 J	203 J	1,360	909 J	500 U
Silver	6,800,000	8,300	104 J	95.3 J	339 U	99.9 J	65.3 J	74.9 J	2.0 U
Sodium	NC	NC	81,100 J	72,100 J	50,100 J	101,000 J	73,400 J	60,500 J	0.50 U
Thallium	5000[CP]	NC	239 J	220 J	43.0 J	89 J	113 J	85 J	1000 U
Vanadium	39000[CP]	NC	22,000	22,300	14,900	16,200	23,600 J	26,300	0.50 U
Zinc	10,000,000	2,480,000	90,500	93,900	118,000	115,000	112,000	123,000	5.0 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Sample depths are as follows: A = 1"- 2", B = 2"- 12" and C = 0"- 6".
3. Soil Cleanup Objectives (SCOs) are in ug/kg.
4. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CO-51/Soil Cleanup Guidance, October 2010 (lowest value). "(1)" USEPA. 2007. Test Methods for Evaluating Solid waste: Physical/Chemical Methods, SQ-846, 3rd Edition, Update IC. Washington D.C. "NC" Indicates there are no standard or Guidance Values available. Exceedances for Restricted Use - Protection of Human Health Industrial are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
5. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
6. "J" designates result is considered estimated.
7. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 9
Subsurface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location		SB-4	SB-10	SB-10	SB-10		SB-10
Sample ID	EB1-091918	SB4-0.5-1.0	SB10-0.2-1.0	SB10-1.0-2.7	SB10-12.4-13.0	EB1-092018	SB10-34.0-35.0
Sample Date	9/19/2018	9/19/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018	9/20/2018
Compound							
6:2 fluorotelomersulfonate	0.0019 U	2.0 U	2.4 U	2.3 U	2.6 U	0.0019 U	2.1 U
8:2 fluorotelomersulfonate	0.0057 U	2.0 U	2.4 U	2.3 U	2.6 U	0.0057 U	2.1 U
NEtFOSAA	0.0028 U	0.58 J	2.4 U	2.3 U	2.6 U	0.0028 U	2.1 U
NMeFOSSA	0.0028 U	2.0 U	2.4 U	2.3 U	2.6 U	0.0028 U	2.1 U
Perfluorobutanesulfonate	0.00094 U	0.60 U	0.72 U	0.68 U	0.78 U	0.00094 U	0.62 U
Perfluorobutanoic acid	0.0057 U	0.24 J	1	0.68 U	0.78 U	0.0057 U	0.62 U
Perfluorodecanesulfonate	0.0019 U	1.0 U	1.2 U	1.1 U	1.3 U	0.0019 U	1.0 U
Perfluorodecanoic acid	0.0019 U	26	1.7	0.66 J	0.78 U	0.0019 U	0.62 U
Perfluorododecanoic acid	0.0019 U	29	0.58 J	0.68 U	0.78 U	0.0019 U	0.62 U
Perfluoroheptanesulfonate	0.0019 U	0.60 U	0.72 U	0.68 U	0.78 U	0.0019 U	0.62 U
Perfluoroheptanoic acid	0.00094 U	1.8	0.65 J	0.68 U	0.78 U	0.00094 U	0.62 U
Perfluorohexanesulfonic acid	0.0019 U	0.60 U	0.72 U	0.68 U	0.78 U	0.0019 U	0.62 U
Perfluorohexanoic acid	0.0019 U	0.98	0.98	0.68 U	0.78 U	0.0019 U	0.62 U
Perfluorononanoic acid	0.0019 U	5.1	1.6	0.68 U	0.78 U	0.0019 U	0.62 U
Perfluorooctanesulfonamide	0.0028 U	0.60	0.72 U	0.68 U	0.78 U	0.0028 U	0.62 U
Perfluoro-octanesulfonate (PFOS)	0.0019 U	1.4	1.1 U	1.0 U	1.2 U	0.0019 U	0.93 U
Perfluorooctanoic acid (PFOA)	0.00094 U	130	16	6.5	7.7	0.0026	0.88
Perfluoropentanoic acid	0.0057 U	0.45 J	1.3	0.68 U	0.78 U	0.0057 U	0.62 U
Perfluorotetradecanoic acid	0.00094 U	19	0.72 U	0.68 U	0.78 U	0.00094 U	0.62 U
Perfluorotridecanoic acid	0.00094 U	14	0.48 J	0.68 U	0.78 U	0.00094 U	0.62 U
Perfluoroundecanoic acid	0.0019 U	16	0.87	0.68 U	0.78 U	0.0019 U	0.62 U
Total PFOS and PFOA	ND	131.4	16	6.5	7.7	0.0026	0.88
Total Organic Carbon (TOC)	--	22,000,000	18,800,000	2,460,000	1,200,000	--	283,000 J

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
3. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "ND" designates the sum of PFOS and PFOA was non-detect.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "--" designates compound was not analyzed.
9. "J-" designates result is considered estimated and potentially biased low.
10. "J+" designates result is considered estimated and potentially biased high.

Table 9
Subsurface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SB-2	SB-2	SB-2	SB-2	SB-2	SB-2	SB-2
Sample ID	SB2-5.0-5.8	SB2-5.8-7.2	SB2-15.1-16.1	SB2-30.0-31.0	FD1-092118	SB2-35.5-36.5	SB2-44.0-45.0
Sample Date	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018	9/21/2018
Compound							
6:2 fluorotelomersulfonate	2.5 U	2.3 U	2.5 U	2.2 U	2.2 U	2.7 U	2.2 U
8:2 fluorotelomersulfonate	2.5 U	2.3 U	2.5 U	2.2 U	2.2 U	2.7 U	2.2 U
NEtFOSAA	2.5 U	2.3 UJ	2.5 UJ	2.2 U	2.2 U	2.7 U	2.2 U
NMeFOSSA	2.5 U	2.3 UJ	2.5 UJ	2.2 U	2.2 U	2.7 U	2.2 U
Perfluorobutanesulfonate	0.74 U	0.68 U	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluorobutanoic acid	0.29 J	0.77	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluorodecanesulfonate	1.2 U	1.1 U	1.3 U	1.1 U	1.1 U	1.3 U	1.1 U
Perfluorodecanoic acid	2.2	0.68 U	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluorododecanoic acid	0.74 U	0.68 U	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluoroheptanesulfonate	0.74 U	0.68 U	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluoroheptanoic acid	3.8	5.1	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluorohexanesulfonic acid	0.74 U	0.68 U	0.75 U	0.65 U	0.67 U	0.8 U	0.65 U
Perfluorohexanoic acid	0.58 J	0.92	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluorononanoic acid	1.2	0.82	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluorooctanesulfonamide	0.74 U	0.68 U	0.75 U	0.65 UJ	0.67 U	0.80 U	0.65 U
Perfluoro-octanesulfonate (PFOS)	1.1 U	1.0 U	1.1 U	0.97 U	1.0 U	1.2 U	0.97 U
Perfluorooctanoic acid (PFOA)	210	360	1.3	0.65 U	0.26 J	0.27 J	0.65 U
Perfluoropentanoic acid	0.74 U	0.62 J-	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluorotetradecanoic acid	0.74 U	0.68 U	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluorotridecanoic acid	0.74 U	0.68 U	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Perfluoroundecanoic acid	0.52 J	0.68 U	0.75 U	0.65 U	0.67 U	0.80 U	0.65 U
Total PFOS and PFOA	210	360	1.3	ND	0.26	0.27	ND
Total Organic Carbon (TOC)	16,100,000	8,160,000	524,000	324,000 J	--	741,000	911,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
3. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "ND" designates the sum of PFOS and PFOA was non-detect.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "--" designates compound was not analyzed.
9. "J-" designates result is considered estimated and potentially biased low.
10. "J+" designates result is considered estimated and potentially biased high.

Table 9
Subsurface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location		SB-1	SB-1	SB-1		SB-1	SB-5
Sample ID	EB3-092118	SB1-0.2-1.0	SB1-2.0-3.6	SB1-7.7-8.7	EB1-092418	SB1-55.0-56.8	SB5-0.2-1.0
Sample Date	9/21/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/24/2018	9/27/2018
Compound							
6:2 fluorotelomersulfonate	0.0018 U	2.5 U	2.0 U	2.3 U	0.0017 U	2.2 U	2.0 U
8:2 fluorotelomersulfonate	0.0053 U	2.5 U	2.0 U	2.3 U	0.0052 U	2.2 U	2.0 U
NEtFOSAA	0.0026 U	2.5 U	2.0 U	2.3 U	0.0026 U	2.2 U	2.0 U
NMeFOSSA	0.0026 U	2.5 U	2.0 U	2.3 U	0.0026 U	2.2 U	2.0 U
Perfluorobutanesulfonate	0.00088 U	0.76 U	0.60 U	0.70 U	0.00087 U	0.67 U	0.59 U
Perfluorobutanoic acid	0.0053 U	0.57 J	0.60 U	0.70 U	0.0052 U	0.67 U	0.59 U
Perfluorodecanesulfonate	0.0018 U	1.3 U	0.99 U	1.2 U	0.0017 U	1.1 U	0.98 U
Perfluorodecanoic acid	0.0018 U	0.72 J	0.60 U	0.70 U	0.0017 U	0.67 U	24
Perfluorododecanoic acid	0.0018 U	0.31 J	0.60 U	0.70 U	0.0017 U	0.67 U	6.4
Perfluoroheptanesulfonate	0.0018 U	0.76 U	0.60 U	0.70 U	0.0017 U	0.67 U	0.59 U
Perfluoroheptanoic acid	0.00088 U	0.42 J	0.60 U	0.70 U	0.00087 U	0.67 U	0.44 J
Perfluorohexanesulfonic acid	0.0018 U	0.76 U	0.6 U	0.7 U	0.0017 U	0.67 U	0.59 U
Perfluorohexanoic acid	0.0018 U	0.68 J	0.60 U	0.70 U	0.0017 U	0.67 U	0.35 J
Perfluorononanoic acid	0.0018 U	0.62 J	0.60 U	0.70 U	0.0017 U	0.67 U	3
Perfluorooctanesulfonamide	0.0026 U	0.76 UJ	0.60 U	0.70 U	0.0026 U	0.67 U	0.59 U
Perfluoro-octanesulfonate (PFOS)	0.0018 U	1.1 U	0.89 U	1.1 U	0.00042 J	1.0 U	0.88 U
Perfluorooctanoic acid (PFOA)	0.00088 U	4.6 U	0.63 U	0.70 U	0.00096	0.67 U	8.3
Perfluoropentanoic acid	0.0053 U	0.74 J	0.60 U	0.70 U	0.0052 U	0.67 U	0.27 J
Perfluorotetradecanoic acid	0.00088 U	0.76 U	0.60 U	0.70 U	0.00087 U	0.67 U	1.8
Perfluorotridecanoic acid	0.00088 U	0.28 J	0.60 U	0.70 U	0.00087 U	0.67 U	2.1
Perfluoroundecanoic acid	0.0018 U	0.51 J	0.60 U	0.70 U	0.0017 U	0.67 U	6.4
Total PFOS and PFOA	ND	ND	ND	ND	0.00138	ND	8.3
Total Organic Carbon (TOC)	--	20,000,000	1,250,000	477,000	--	385,000	2,600,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
3. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "ND" designates the sum of PFOS and PFOA was non-detect.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "--" designates compound was not analyzed.
9. "J-" designates result is considered estimated and potentially biased low.
10. "J+" designates result is considered estimated and potentially biased high.

Table 9
Subsurface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SB-5	SB-9		SB-5	SB-5	SB-5	SB-3
Sample ID	X 1-092718	SB9-0.2-1.0	EB1-092718	SB5-5.0-7.7	SB5-7.7-9.8	SB5-40.0-41.0	SB3-1.3-1.7
Sample Date	9/27/2018	9/27/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018	9/28/2018
Compound							
6:2 fluorotelomersulfonate	--	2.3 U	0.0017 U	2.0 U	2.5 U	2.3 U	2.1 U
8:2 fluorotelomersulfonate	--	2.3 U	0.0052 U	2.0 U	2.5 U	2.3 U	2.1 U
NEtFOSAA	--	2.3 U	0.0026 U	2.0 U	2.5 U	2.3 U	2.1 U
NMeFOSSA	--	2.3 U	0.0026 U	2.0 U	2.5 U	2.3 U	2.1 U
Perfluorobutanesulfonate	--	0.68 U	0.00087 U	0.60 U	0.74 U	0.68 U	0.64 U
Perfluorobutanoic acid	--	0.68 U	0.0052 U	0.60 U	0.74 U	0.68 U	0.64 U
Perfluorodecanesulfonate	--	1.1 U	0.0017 U	1.0 U	1.2 U	1.1 U	1.1 U
Perfluorodecanoic acid	--	1.5	0.0017 U	2.7	0.74 U	0.68 U	18
Perfluorododecanoic acid	--	0.59 J	0.0017 U	0.67	0.74 U	0.68 U	6.7
Perfluoroheptanesulfonate	--	0.68 U	0.0017 U	0.60 U	0.74 U	0.68 U	0.64 U
Perfluoroheptanoic acid	--	0.68 U	0.00087 U	0.60 U	0.74 U	0.68 U	0.55 J
Perfluorohexanesulfonic acid		0.68 U	0.0017 U	0.6 U	0.74 U	0.68 U	0.64 U
Perfluorohexanoic acid	--	0.68 U	0.0017 U	0.60 U	0.74 U	0.68 U	0.32 J
Perfluorononanoic acid	--	0.68 U	0.0017 U	1.3	0.74 U	0.68 U	5
Perfluorooctanesulfonamide	--	0.68 U	0.0026 U	0.60 U	0.74 U	0.68 U	0.64 U
Perfluoro-octanesulfonate (PFOS)	--	1.0 U	0.0017 U	0.90 U	1.1 U	1.0 U	0.97 U
Perfluorooctanoic acid (PFOA)	--	1.1 U	0.00087 U	2.0 U	0.74 U	1.9 U	200
Perfluoropentanoic acid	--	0.68 U	0.0052 U	0.60 U	0.74 U	0.68 U	0.22 J
Perfluorotetradecanoic acid	--	0.36 J	0.00087 U	0.26 J	0.74 U	0.68 U	4.1
Perfluorotridecanoic acid	--	0.38 J	0.00087 U	0.2 J	0.74 U	0.68 U	3.4
Perfluoroundecanoic acid	--	0.71	0.0017 U	0.43 J	0.74 U	0.68 U	5.3
Total PFOS and PFOA	--	ND	ND	ND	ND	ND	200
Total Organic Carbon (TOC)	2,520,000	6,260,000	--	1,270,000	724,000	525,000	2,200,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
3. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "ND" designates the sum of PFOS and PFOA was non-detect.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "--" designates compound was not analyzed.
9. "J-" designates result is considered estimated and potentially biased low.
10. "J+" designates result is considered estimated and potentially biased high.

Table 9
Subsurface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SB-3	SB-3		SB-3		SB-9	SB-9
Sample ID	SB3-10.2-11.4	SB3-30.0-30.8	EB1-092818	SB3-55.3-58.0	EB2-100118	SB9-6.0-11.0	SB9-11.0-12.0
Sample Date	9/28/2018	9/28/2018	9/28/2018	10/1/2018	10/1/2018	10/2/2018	10/2/2018
Compound							
6:2 fluorotelomersulfonate	2.5 U	2.4 U	0.0018 U	2.7 U	0.0018 U	1.9 U	2.4 U
8:2 fluorotelomersulfonate	2.5 U	2.4 U	0.0054 U	2.7 U	0.0054 U	1.9 U	2.4 U
NEtFOSAA	2.5 U	2.4 U	0.0027 U	2.7 U	0.0027 U	1.9 U	2.4 U
NMeFOSSA	2.5 U	2.4 U	0.0027 U	2.7 U	0.0027 U	1.9 U	2.4 U
Perfluorobutanesulfonate	0.74 U	0.72 U	0.0009 U	0.81 U	0.00089 U	0.58 U	0.73 U
Perfluorobutanoic acid	0.74 U	0.72 U	0.0054 U	0.81 U	0.0054 U	0.58 U	0.73 U
Perfluorodecanesulfonate	1.2 U	1.2 U	0.0018 U	1.4 U	0.0018 U	0.96 U	1.2 U
Perfluorodecanoic acid	0.97	6.6	0.0018 U	0.81 U	0.0012 J	6.4	0.73 U
Perfluorododecanoic acid	0.41 J	3.2	0.0018 U	0.81 U	0.0018 U	2.7	0.73 U
Perfluoroheptanesulfonate	0.74 U	0.72 U	0.0018 U	0.81 U	0.0018 U	0.58 U	0.73 U
Perfluoroheptanoic acid	0.74 U	0.25 J	0.0009 U	0.81 U	0.00089 U	0.39 J	0.73 U
Perfluorohexanesulfonic acid	0.74 U	0.72 U	0.0018 U	0.81 U	0.0018 U	0.58 U	0.73 U
Perfluorohexanoic acid	0.74 U	0.72 U	0.0018 U	0.81 U	0.0018 U	0.39 J	0.71 J
Perfluorononanoic acid	0.3 J	2	0.0018 U	0.81 U	0.0018 U	3.9	0.34 J
Perfluorooctanesulfonamide	0.74 U	0.72 U	0.0027 U	0.81 U	0.0027 U	0.58 U	0.73 U
Perfluoro-octanesulfonate (PFOS)	1.1 U	1.1 U	0.001 J	1.2 U	0.0018 U	0.67 J	1.1 U
Perfluorooctanoic acid (PFOA)	7.6	36	0.00033 J	1.2 U	0.0099	77 U	38 U
Perfluoropentanoic acid	0.74 U	0.72 U	0.0054 U	0.81 U	0.0054 U	0.58 U	0.39 J
Perfluorotetradecanoic acid	0.25 J	2	0.0009 U	0.81 U	0.00089 U	1.6	0.73 U
Perfluorotridecanoic acid	0.74 U	1.6	0.0009 U	0.81 U	0.00089 U	1.1	0.73 U
Perfluoroundecanoic acid	0.38 J	2.7	0.0018 U	0.81 U	0.00041 J	2.2	0.73 U
Total PFOS and PFOA	7.6	36	0.00133	ND	0.0099	0.67	ND
Total Organic Carbon (TOC)	803,000	1,170,000	--	1,480,000	--	2,960,000	1,360,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
3. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "ND" designates the sum of PFOS and PFOA was non-detect.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "--" designates compound was not analyzed.
9. "J-" designates result is considered estimated and potentially biased low.
10. "J+" designates result is considered estimated and potentially biased high.

Table 9
Subsurface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SB-9	SB-9	SB-8	SB-8	SB-8	SB-8	
Sample ID	SB9-12.0-12.5	SB9-14.0-14.7	SB8-1.0-1.7	SB8-5.0-5.5	SB8-5.6-6.1	SB8-12.5-14.0	EB2-100218
Sample Date	10/2/2018	10/2/2018	10/2/2018	10/2/2018	10/2/2018	10/2/2018	10/2/2018
Compound							
6:2 fluorotelomersulfonate	2.7 U	2.1 U	2.1 U	3.9 U	2.4 U	2.2 U	0.0017 U
8:2 fluorotelomersulfonate	2.7 U	2.1 U	2.1 U	3.9 U	2.4 U	2.2 U	0.0052 U
NEtFOSAA	2.7 U	2.1 U	2.1 U	14	2.4 U	2.2 U	0.0026 U
NMeFOSSA	2.7 U	2.1 U	2.1 U	3.9 U	2.4 U	2.2 U	0.0026 U
Perfluorobutanesulfonate	0.81 U	0.62 U	0.63 U	1.2 U	0.71 U	0.67 U	0.00087 U
Perfluorobutanoic acid	0.81 U	0.62 U	0.63 U	1.9	0.71 U	0.67 U	0.0052 U
Perfluorodecanesulfonate	1.3 U	1.0 U	1.0 U	1.9 U	1.2 U	1.1 U	0.0017 U
Perfluorodecanoic acid	0.81 U	0.21 J	0.34 J	8.2	0.71 U	0.67 U	0.0017 U
Perfluorododecanoic acid	0.81 U	0.62 U	0.96	4.8	0.71 U	0.67 U	0.0017 U
Perfluoroheptanesulfonate	0.81 U	0.62 U	0.63 U	1.2 U	0.71 U	0.67 U	0.0017 U
Perfluoroheptanoic acid	0.81 U	0.62 U	0.63 U	27	0.65 J	0.67 U	0.00087 U
Perfluorohexanesulfonic acid	0.81 U	0.62 U	0.63 U	1.2 U	0.71 U	0.67 U	0.0017 U
Perfluorohexanoic acid	0.58 J	0.36 J	0.63 U	17	0.71 U	0.67 U	0.0017 U
Perfluorononanoic acid	0.81 U	0.32 J	0.63 U	16	0.37 J	0.67 U	0.0017 U
Perfluorooctanesulfonamide	0.81 U	0.62 U	0.63 U	0.5 J	0.71 U	0.67 U	0.0026 U
Perfluoro-octanesulfonate (PFOS)	1.2 U	0.92 U	0.94 U	2.9	1.1 U	1.0 U	0.0017 U
Perfluorooctanoic acid (PFOA)	13 U	6.1 U	2.5 U	7,500	780	120	0.032
Perfluoropentanoic acid	0.32 J	0.62 U	0.63 U	2.6	0.71 U	0.67 U	0.0052 U
Perfluorotetradecanoic acid	0.81 U	0.62 U	0.63 U	1.7	0.71 U	0.67 U	0.00087 U
Perfluorotridecanoic acid	0.81 U	0.62 U	0.26 J	2.7	0.71 U	0.67 U	0.00087 U
Perfluoroundecanoic acid	0.81 U	0.62 U	0.63	5.1	0.71 U	0.67 U	0.0017 U
Total PFOS and PFOA	ND	ND	ND	7,502.9	780	120	0.032
Total Organic Carbon (TOC)	944,000	378,000	3,080,000	57,100,000	1,100,000	876,000	--

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
3. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "ND" designates the sum of PFOS and PFOA was non-detect.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "--" designates compound was not analyzed.
9. "J-" designates result is considered estimated and potentially biased low.
10. "J+" designates result is considered estimated and potentially biased high.

Table 9
Subsurface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	SB-11	SB-11	SB-11	SB-11		SB-6	SB-6
Sample ID	SB11-0.2-1.0	SB11-1.5-2.0	SB11-6.7-8.7	X 1-100318	EB2-100318	SB6-5.4-6.6	SB6-6.6-7.6
Sample Date	10/3/2018	10/3/2018	10/3/2018	10/3/2018	10/3/2018	10/4/2018	10/4/2018
Compound							
6:2 fluorotelomersulfonate	2.2 U	2.2 U	2.8 U	2.5 U	0.0018 U	2.2 U	2.4 U
8:2 fluorotelomersulfonate	2.2 U	2.2 U	2.8 U	2.5 U	0.0053 U	2.2 U	2.4 U
NEtFOSAA	2.2 U	2.2 U	2.8 U	2.5 U	0.0026 U	13	2.4 U
NMeFOSSA	2.2 U	2.2 U	2.8 U	2.5 U	0.0026 U	2.2 U	2.4 U
Perfluorobutanesulfonate	0.65 U	0.65 U	0.85 U	0.76 U	0.00088 U	0.66 U	0.73 U
Perfluorobutanoic acid	0.27 J	0.65 U	0.85 U	0.76 U	0.0053 U	5.2	2.8
Perfluorodecanesulfonate	1.1 U	1.1 U	1.4 U	1.3 U	0.0018 U	1.1 U	1.2 U
Perfluorodecanoic acid	1.9	2.5	0.85 U	0.76 U	0.0018 U	55	0.34 J
Perfluorododecanoic acid	9	2.9	0.85 U	0.76 U	0.0018 U	34	0.73 U
Perfluoroheptanesulfonate	0.65 U	0.65 U	0.85 U	0.76 U	0.0018 U	0.66 U	0.73 U
Perfluoroheptanoic acid	1	0.65 U	0.85 U	0.76 U	0.00088 U	130	34 J+
Perfluorohexanesulfonic acid	0.65 U	0.65 U	0.85 U	0.76 U	0.0018 U	0.66 U	0.73 U
Perfluorohexanoic acid	1.1	0.65 U	0.85 U	0.76 U	0.0018 U	35	24
Perfluorononanoic acid	0.38 J	0.45 J	0.85 U	0.76 U	0.0018 U	120	4.5
Perfluorooctanesulfonamide	0.65 U	0.65 U	0.85 U	0.76 U	0.0026 U	0.66 U	0.73 U
Perfluoro-octanesulfonate (PFOS)	0.97 U	0.98 U	1.3 U	1.1 U	0.0018 U	2.3	1.1 U
Perfluorooctanoic acid (PFOA)	39	3.9 U	0.85 U	0.76 U	0.0016	43,000 J-	3,500
Perfluoropentanoic acid	0.48 J	0.65 U	0.85 U	0.76 U	0.0053 U	27	14
Perfluorotetradecanoic acid	4.5	0.88	0.85 U	0.76 U	0.00088 U	14	0.73 U
Perfluorotridecanoic acid	5.6	1.4	0.85 U	0.76 U	0.00088 U	12	0.73 U
Perfluoroundecanoic acid	5.1	3	0.85 U	0.76 U	0.0018 U	20	0.73 U
Total PFOS and PFOA	39	ND	ND	ND	0.0016	43,002.3	3,500
Total Organic Carbon (TOC)	10,900,000	3,950,000	602,000	562,000	--	15,200,000	660,000

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
3. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "ND" designates the sum of PFOS and PFOA was non-detect.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "--" designates compound was not analyzed.
9. "J-" designates result is considered estimated and potentially biased low.
10. "J+" designates result is considered estimated and potentially biased high.

Table 9
Subsurface Soil Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location		SB-7	SB-7		
Sample ID	EB2-100418	SB7-0.0-1.6	SB7-1.6-2.4	FRB1-100518	EB1-100518
Sample Date	10/4/2018	10/5/2018	10/5/2018	10/5/2018	10/5/2018
Compound					
6:2 fluorotelomersulfonate	0.0018 U	2.2 U	2.4 U	0.0018 U	0.0018 U
8:2 fluorotelomersulfonate	0.0054 U	2.2 U	2.4 U	0.0055 U	0.0054 U
NEtFOSAA	0.0027 U	2.2 U	2.4 U	0.0027 U	0.0027 U
NMeFOSSA	0.0027 U	2.2 U	2.4 U	0.0027 U	0.0027 U
Perfluorobutanesulfonate	0.00091 U	0.66 U	0.71 U	0.00092 U	0.0009 U
Perfluorobutanoic acid	0.0054 U	0.66 U	0.71 U	0.0055 U	0.0054 U
Perfluorodecanesulfonate	0.0018 U	1.1 U	1.2 U	0.0018 U	0.0018 U
Perfluorodecanoic acid	0.0018 U	10	76	0.0018 U	0.0018 U
Perfluorododecanoic acid	0.0018 U	4.7	4.2	0.0018 U	0.0018 U
Perfluoroheptanesulfonate	0.0018 U	0.66 U	0.71 U	0.0018 U	0.0018 U
Perfluoroheptanoic acid	0.00091 U	0.47 J	1.7 J+	0.00092 U	0.0009 U
Perfluorohexanesulfonic acid	0.0018 U	0.66 U	0.71 U	0.0018 U	0.0018 U
Perfluorohexanoic acid	0.0018 U	0.27 J	0.24 J+	0.0018 U	0.0018 U
Perfluorononanoic acid	0.0018 U	3.6	26	0.0018 U	0.0018 U
Perfluorooctanesulfonamide	0.0027 U	0.66 U	0.24 J	0.0027 U	0.0027 U
Perfluoro-octanesulfonate (PFOS)	0.0018 U	1.1	3.4	0.0018 U	0.0018 U
Perfluorooctanoic acid (PFOA)	0.026	180	7,100	0.00092 U	0.0018
Perfluoropentanoic acid	0.0054 U	0.66 U	0.71 U	0.0055 U	0.0054 U
Perfluorotetradecanoic acid	0.00091 U	2.5	0.71 U	0.00092 U	0.0009 U
Perfluorotridecanoic acid	0.00091 U	3.5	0.32 J	0.00092 U	0.0009 U
Perfluoroundecanoic acid	0.0018 U	4.8	0.71 U	0.0018 U	0.0018 U
Total PFOS and PFOA	0.026	181.1	7,103.4	ND	0.0018
Total Organic Carbon (TOC)	--	11,700,000	37,100,000	--	--

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. United States Environmental Protection Agency (USEPA) site-specific (Hoosick Falls, NY) action level for PFOS and PFOA in soil is 1,000 ug/kg, individually and combined.
3. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "ND" designates the sum of PFOS and PFOA was non-detect.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "--" designates compound was not analyzed.
9. "J-" designates result is considered estimated and potentially biased low.
10. "J+" designates result is considered estimated and potentially biased high.

Table 9
Subsurface Soil Sample Results for Monitoring Well Borings
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location Sample ID Sample Date Compound	MW 5S MW 5S 10.0-042919 4/29/2019 (ug/kg)	MW 6S MW 6S 5.2-042919 4/29/2019 (ug/kg)
6:2-Fluoroteleomersulfonic acid	2.1 U	2.1 U
8:2-Fluorotelomersulfonic acid	2.1 U	2.1 U
NEtFOSA	2.1 U	2.1 U
NMeFOSA	2.1 U	2.1 U
Perfluorobutanesulfonic acid (PFBS)	0.64 U	0.64 U
Perfluorobutanoic Acid (PFBA)	2.1 U	2.1 U
Perfluorodecane Sulfonic Acid (PFDS)	1.1 U	1.1 U
Perfluorodecanoic acid (PFDA)	0.64 U	4.9
Perfluorododecanoic acid (PFDoA)	0.64 U	2.8
Perfluoroheptane Sulfonate (PFHPS)	0.64 U	0.64 U
Perfluoroheptanoic acid (PFHpA)	0.64 U	0.26 J
Perfluorohexanesulfonic acid (PFHxS)	0.64 U	0.64 U
Perfluorohexanoic acid (PFHxA)	0.64 U	0.64 U
Perfluorononanoic acid (PFNA)	0.64 U	2
Perfluorooctane Sulfonamide (FOSA)	0.64 U	0.64 U
Perfluorooctanesulfonic acid (PFOS)	0.96 U	0.96 U
Perfluorooctanoic acid (PFOA)	0.64 U	25
Perfluoropentanoic Acid (PFPeA)	0.64 U	0.64 U
Perfluorotetradecanoic acid (PFTA)	0.64 U	1.2
Perfluorotridecanoic Acid (PFTriA)	0.64 U	1
Perfluoroundecanoic Acid (PFUnA)	0.64 U	2.2
Total Organic Carbon	1,080,000	6,810,000

Notes:
1. Results reported in micrograms per kilogram (ug/kg).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.

Table 9
Subsurface Soil Sample Results
Volatile Organic Compounds
Taconic - Petersburgh, New York

		Sample Location	SB 1	SB 2	SB 3	SB 4
		Sample ID	SB1-2.0-3.6	SB2-5.8-7.2	SB3-1.3-1.7	SB4-1.0-2.3
		Sample Date	9/24/2018	9/21/2018	9/28/2018	9/19/2018
Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater				
1,1,1-Trichloroethane	1,000,000	680	6.0 U	4.0 U	5.0 U	4.0 U
1,1,2,2-Tetrachloroethane	600[CP]	NC	6.0 U	4.0 U	5.0 UJ	4.0 U
1,1,2-Trichloroethane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
1,1-Dichloroethane	480,000	270	6.0 U	4.0 U	5.0 U	4.0 U
1,1-Dichloroethene	1,000,000	330	6.0 U	4.0 U	5.0 U	4.0 U
1,2,3-Trichlorobenzene	20,000[CP]	NC	11 U	8.0 U	11 U	8.0 U
1,2,4-Trichlorobenzene	3,400[CP]	NC	11 U	8.0 U	11 U	8.0 U
1,2-Dibromo-3-chloropropane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
1,2-Dibromoethane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
1,2-Dichlorobenzene	1,000,000	1,100	6.0 U	4.0 U	5.0 U	4.0 U
1,2-Dichloroethane	60,000	20	6.0 U	4.0 U	5.0 U	4.0 U
1,2-Dichloropropane	700,000[CP]	NC	6.0 U	4.0 U	5.0 U	4.0 U
1,3-Dichlorobenzene	560,000	2,400	6.0 U	4.0 U	5.0 U	4.0 U
1,4-Dichlorobenzene	250,000	1,800	6.0 U	4.0 U	5.0 U	4.0 U
2-Butanone	1,000,000	120	11 U	7 J	4 J	4 J
2-Hexanone	NC	NC	11 U	8.0 U	11 U	8.0 U
4-Methyl-2-Pentanone	1,000[CP]	NC	11 U	8.0 U	11 U	8.0 U
Acetone	1,000,000	50	33 U	**190**	57 U	**84**
Benzene	89,000	60	6.0 U	4.0 U	5.0 U	4.0 U
Bromochloromethane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Bromodichloromethane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Bromoform	NC	NC	11 U	8.0 U	11 U	8.0 U
Bromomethane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Carbon disulfide	2,700[CP]	NC	6.0 U	4.0 U	1 J	4 J
Carbon Tetrachloride	44,000	760	6.0 U	4.0 U	5.0 U	4.0 U
Chlorobenzene	1,000,000	1,100	6.0 U	4.0 U	5.0 U	4.0 U
Chloroethane	1,900[CP]	NC	6.0 U	4.0 U	5.0 U	4.0 U
Chloroform	700,000	370	6.0 U	4.0 U	5.0 U	4.0 U
Chloromethane	NC	NC	6.0 U	0.6 J	5.0 U	4.0 U
cis-1,2-Dichloroethene	1,000,000	250	6.0 U	4.0 U	5.0 U	4.0 U
Cis-1,3-Dichloropropene	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Cyclohexane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Dibromochloromethane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Dichlorodifluoromethane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	6,000[CP]	NC	11 U	8.0 U	0.7 J	8.0 U
Ethylbenzene	780,000	1,000	6.0 U	4.0 U	5.0 U	4.0 U
Isopropylbenzene	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
m,p-Xylene	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Methyl Acetate	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Methylcyclohexane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Methylene Chloride	1,000,000	50	6.0 U	4.0 U	5.0 U	4.0 U
MTBE	1,000,000	930	6.0 U	4.0 U	5.0 U	4.0 U
o-Xylene	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Styrene	3000,000[CP]	NC	6.0 U	4.0 U	5.0 U	4.0 U
Tetrachloroethene	300,000	1,300	6.0 U	4.0 U	5.0 U	4.0 U
Toluene	1,000,000	700	6.0 U	4.0 U	5.0 U	4.0 U
trans-1,2-Dichloroethene	1,000,000	190	6.0 U	4.0 U	5.0 U	4.0 U
Trans-1,3-Dichloropropene	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Trichloroethene	400,000	470	6.0 U	4.0 U	5.0 U	4.0 U
Trichlorofluoromethane	NC	NC	6.0 U	4.0 U	5.0 U	4.0 U
Vinyl Chloride	27,000	20	6.0 U	4.0 U	5.0 U	4.0 U
Xylenes (total)	1,000,000	1,600	6.0 U	4.0 U	5.0 U	4.0 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
2. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CP-51/Soil Cleanup Guidance, October 2010 (lowest value)."NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
3. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound is not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "UJ" designates compound is not detected at or above the estimated LOQ.

Table 9
Subsurface Soil Sample Results
Volatile Organic Compounds
Taconic - Petersburgh, New York

		Sample Location	SB 5	SB 6	SB 7	SB 8
		Sample ID	SB5-5.0-7.7	SB6-5.4-6.6	SB7-0.0-1.6	SB8-5.0-5.5
		Sample Date	9/28/2018	10/4/2018	10/5/2018	10/2/2018
Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater				
1,1,1-Trichloroethane	1,000,000	680	4.0 U	240 U	4.0 U	2800 U
1,1,2,2-Tetrachloroethane	600[CP]	NC	4.0 U	240 U	4.0 U	2800 U
1,1,2-Trichloroethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
1,1-Dichloroethane	480,000	270	4.0 U	240 U	4.0 U	2800 U
1,1-Dichloroethene	1,000,000	330	4.0 U	240 U	4.0 U	2800 U
1,2,3-Trichlorobenzene	20,000[CP]	NC	8.0 UJ	480 U	8.0 U	5600 U
1,2,4-Trichlorobenzene	3,400[CP]	NC	8.0 UJ	480 U	8.0 U	5600 U
1,2-Dibromo-3-chloropropane	NC	NC	4.0 U	240 U	4.0 U	2800 U
1,2-Dibromoethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
1,2-Dichlorobenzene	1,000,000	1,100	4.0 U	240 U	4.0 U	2800 U
1,2-Dichloroethane	60,000	20	4.0 U	240 U	4.0 U	2800 U
1,2-Dichloropropane	700,000[CP]	NC	4.0 U	240 U	4.0 U	2800 U
1,3-Dichlorobenzene	560,000	2,400	4.0 U	240 U	4.0 U	2800 U
1,4-Dichlorobenzene	250,000	1,800	4.0 UJ	240 U	4.0 U	2800 U
2-Butanone	1,000,000	120	8.0 U	480 U	7 J	5600 U
2-Hexanone	NC	NC	8.0 U	480 U	8.0 U	5600 U
4-Methyl-2-Pentanone	1,000[CP]	NC	8.0 U	480 U	8.0 U	5600 U
Acetone	1,000,000	50	15 U	970 U	**85**	11000 U
Benzene	89,000	60	4.0 U	240 U	4.0 U	2800 U
Bromochloromethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
Bromodichloromethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
Bromoform	NC	NC	8.0 U	480 U	8.0 U	5600 U
Bromomethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
Carbon disulfide	2,700[CP]	NC	0.6 J	240 U	0.6 J	2800 U
Carbon Tetrachloride	44,000	760	4.0 U	240 U	4.0 U	2800 U
Chlorobenzene	1,000,000	1,100	4.0 U	240 U	4.0 U	2800 U
Chloroethane	1,900[CP]	NC	4.0 U	240 U	4.0 U	2800 U
Chloroform	700,000	370	4.0 U	240 U	4.0 U	2800 U
Chloromethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
cis-1,2-Dichloroethene	1,000,000	250	4.0 U	240 U	4.0 U	2800 U
Cis-1,3-Dichloropropene	NC	NC	4.0 U	240 U	4.0 U	2800 U
Cyclohexane	NC	NC	4.0 U	240 U	4.0 U	2800 U
Dibromochloromethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
Dichlorodifluoromethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	6,000[CP]	NC	8.0 U	480 U	8.0 U	5600 U
Ethylbenzene	780,000	1,000	4.0 U	240 U	4.0 U	2800 U
Isopropylbenzene	NC	NC	4.0 UJ	240 U	4.0 U	1,400 J
m,p-Xylene	NC	NC	4.0 U	240 U	4.0 U	2800 U
Methyl Acetate	NC	NC	4.0 U	240 U	4.0 U	4,600
Methylcyclohexane	NC	NC	4.0 U	240 U	4.0 U	2800 U
Methylene Chloride	1,000,000	50	4.0 U	240 U	4.0 U	2800 U
MTBE	1,000,000	930	4.0 U	240 U	4.0 U	2800 U
o-Xylene	NC	NC	4.0 U	240 U	4.0 U	290 J
Styrene	3000,000[CP]	NC	4.0 U	240 U	4.0 U	2800 U
Tetrachloroethene	300,000	1,300	4.0 U	240 U	4.0 U	2800 U
Toluene	1,000,000	700	4.0 U	160 J	4.0 U	**720 J**
trans-1,2-Dichloroethene	1,000,000	190	4.0 U	240 U	4.0 U	2800 U
Trans-1,3-Dichloropropene	NC	NC	4.0 U	240 U	4.0 U	2800 U
Trichloroethene	400,000	470	4.0 U	240 U	4.0 U	2800 U
Trichlorofluoromethane	NC	NC	4.0 U	240 U	4.0 U	2800 U
Vinyl Chloride	27,000	20	4.0 U	240 U	4.0 U	2800 U
Xylenes (total)	1,000,000	1,600	4.0 U	240 U	4.0 U	2800 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
2. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CP-51/Soil Cleanup Guidance, October 2010 (lowest value)."NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
3. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound is not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "UJ" designates compound is not detected at or above the estimated LOQ.

Table 9
Subsurface Soil Sample Results
Volatile Organic Compounds
Taconic - Petersburgh, New York

		Sample Location	SB 9	SB 9	SB 10	SB 11	EB1-091918
		Sample ID	SB9-6.0-11.0	X 1-100218	SB10-1.0-2.7	SB11-1.5-2.0	
		Sample Date	10/2/2018	10/2/2018	9/20/2018	10/3/2018	9/19/2018
Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater					
1,1,1-Trichloroethane	1,000,000	680	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,1,2,2-Tetrachloroethane	600[CP]	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,1,2-Trichloroethane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,1-Dichloroethane	480,000	270	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,1-Dichloroethene	1,000,000	330	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,2,3-Trichlorobenzene	20,000[CP]	NC	11 U	12 U	9.0 U	13 U	0.50 U
1,2,4-Trichlorobenzene	3,400[CP]	NC	11 U	12 U	9.0 U	13 U	0.50 U
1,2-Dibromo-3-chloropropane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,2-Dibromoethane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,2-Dichlorobenzene	1,000,000	1,100	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,2-Dichloroethane	60,000	20	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,2-Dichloropropane	700,000[CP]	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,3-Dichlorobenzene	560,000	2,400	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
1,4-Dichlorobenzene	250,000	1,800	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
2-Butanone	1,000,000	120	4 J	6 J	2 J	13 U	5.0 U
2-Hexanone	NC	NC	11 U	12 U	9.0 U	13 U	5.0 U
4-Methyl-2-Pentanone	1,000[CP]	NC	11 U	12 U	9.0 U	13 U	5.0 U
Acetone	1,000,000	50	44	**73**	40	52 U	1.8 J
Benzene	89,000	60	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Bromochloromethane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Bromodichloromethane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Bromoform	NC	NC	11 U	12 U	9.0 U	13 U	1.0 U
Bromomethane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Carbon disulfide	2,700[CP]	NC	4 J	8	4.0 U	7.0 U	1.0 U
Carbon Tetrachloride	44,000	760	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Chlorobenzene	1,000,000	1,100	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Chloroethane	1,900[CP]	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Chloroform	700,000	370	5.0 U	6.0 U	4.0 U	7.0 U	0.2 J
Chloromethane	NC	NC	0.9 J	6.0 U	4.0 U	7.0 U	0.50 U
cis-1,2-Dichloroethene	1,000,000	250	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Cis-1,3-Dichloropropene	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Cyclohexane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Dibromochloromethane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Dichlorodifluoromethane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	6,000[CP]	NC	11 U	12 U	9.0 U	13 U	0.50 U
Ethylbenzene	780,000	1,000	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Isopropylbenzene	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
m,p-Xylene	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Methyl Acetate	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	1.0 U
Methylcyclohexane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Methylene Chloride	1,000,000	50	5.0 U	3 J	4.0 U	7.0 U	0.50 U
MTBE	1,000,000	930	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
o-Xylene	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Styrene	3000,000[CP]	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Tetrachloroethene	300,000	1,300	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Toluene	1,000,000	700	3 J	6.0 U	4.0 U	7.0 U	0.50 U
trans-1,2-Dichloroethene	1,000,000	190	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Trans-1,3-Dichloropropene	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Trichloroethene	400,000	470	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Trichlorofluoromethane	NC	NC	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Vinyl Chloride	27,000	20	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U
Xylenes (total)	1,000,000	1,600	5.0 U	6.0 U	4.0 U	7.0 U	0.50 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
2. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CP-51/Soil Cleanup Guidance, October 2010 (lowest value)."NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
3. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
4. "U" designates compound is not detected at or above the Limit of Quantitation (LOQ).
5. "J" designates result is considered estimated.
6. "UJ" designates compound is not detected at or above the estimated LOQ.

Table 9
Subsurface Soil Sample Results
Semi-Volatile Organic Compounds
Taconic - Petersburgh, New York

		Sample Location	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7
		Sample ID	SB1-2.0-3.6	SB2-5.8-7.2	SB3-1.3-1.7	SB4-1.0-2.3	SB5-5.0-7.7	SB6-5.4-6.6	SB7-0.0-1.6
		Sample Date	9/24/2018	9/21/2018	9/28/2018	9/19/2018	9/28/2018	10/4/2018	10/5/2018
Compound	Restricted Use - Protection of Human Health Industrial	Restricted Use - Protection of Groundwater							
1,1'-Biphenyl	60,000[CP]	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
1,2,4,5-Tetrachlorobenzene	NC	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
1,4-Dioxane	250,000	100	350 U	400 U	360 U	360 U	350 U	380 U	360 U
2,3,4,6-Tetrachlorophenol	NC	NC	180 U	200 U	180 U	180 U	170 U	190 UJ	180 UJ
2,4,5-Trichlorophenol	4,000[CP]	NC	53 U	59 U	55 U	55 U	52 U	57 U	55 U
2,4,6-Trichlorophenol	10,000[CP]	NC	53 U	59 U	55 U	55 U	52 U	57 U	55 U
2,4-Dichlorophenol	20,000[CP]	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
2,4-Dimethylphenol	NC	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
2,4-Dinitrophenol	20,000[CP]	NC	1100 U	1200 U	1100 U	1100 U	1000 U	1100 U	1100 U
2,4-Dinitrotoluene	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
2,6-Dinitrotoluene	NC	NC	53 U	59 U	55 U	55 U	52 U	57 U	55 U
2-Chloronaphthalene	NC	NC	35 U	40 U	36 U	36 U	35 U	38 U	36 U
2-Chlorophenol	800[CP]	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
2-Methylnaphthalene	NC	NC	35 U	40 U	36 U	36 U	35 U	38 UJ	16 J-
2-Methylphenol	1,000,000	330	71 U	79 U	73 U	73 U	70 U	76 U	73 U
2-Nitroaniline	NC	NC	53 U	59 U	55 U	55 U	52 U	57 U	55 U
2-Nitrophenol	7,000[CP]	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
3&4-Methylphenol	1,000,000	330	53 U	59 U	55 U	55 U	52 U	57 U	55 U
3,3-Dichlorobenzidine	NC	NC	350 U	400 U	360 U	360 U	350 U	380 U	360 U
3-Nitroaniline	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
4,6-Dinitro-2-methylphenol	NC	NC	530 U	590 U	550 U	550 U	520 U	570 U	550 U
4-Bromophenyl-phenylether	NC	NC	53 U	59 U	55 U	55 U	52 U	57 UJ	55 UJ
4-Chloro-3-methylphenol	NC	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
4-Chloroaniline	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
4-Chlorophenyl-phenylether	NC	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
4-Nitroaniline	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
4-Nitrophenol	7,000[CP]	NC	530 U	590 U	550 U	550 U	520 U	570 U	550 U
Acenaphthene	1,000,000	98,000	18 U	20 U	18 U	18 U	17 U	19 U	43
Acenaphthylene	1,000,000	107,000	18 U	6 J	18 U	5 J	17 U	19 U	41
Acetophenone	NC	NC	53 U	59 U	55 U	55 U	52 U	57 U	55 U
Anthracene	1,000,000	1,000,000	18 U	8 J	18 U	5 J	17 U	19 U	170
Atrazine	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
Benzaldehyde	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
Benzo[a]anthracene	11,000	1,000	18 U	36	18 U	15 J	11 J	19 U	370
Benzo[a]pyrene	1,100	22,000	18 U	42	18 U	18 J	14 J	19 U	430
Benzo[b]fluoranthene	11,000	1,700	18 U	61	18 U	19	20	19 U	570
Benzo[g,h,i]perylene	1,000,000	1,000,000	18 U	31	18 U	15 J	12 J	19 U	300
Benzo[k]fluoranthene	110,000	1,700	18 U	26	18 U	11 J	9 J	19 U	200
Bis(2-Chloroethoxy)methane	NC	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
Bis(2-Chloroethyl)Ether	NC	NC	53 U	59 U	55 U	55 U	52 U	57 U	55 U
Bis(2-chloroisopropyl)ether	NC	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
Bis(2-Ethylhexyl)phthalate	239000[CP]	NC	180 U	200 U	180 U	180 U	170 U	410	180 U
Butylbenzylphthalate	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
Caprolactam	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
Carbazole	NC	NC	39 U	44 U	40 U	40 U	38 U	42 U	130
Chrysene	110,000	1,000	18 U	51	4 J	19	14 J	19 U	380
Dibenzo[a,h]Anthracene	1,100	1,000,000	18 U	8 J	18 U	18 U	5 J	19 U	85
Dibenzofuran	1,000,000	210,000	39 U	44 U	40 U	40 U	38 U	42 U	43
Diethylphthalate	100,000[CP]	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
Dimethylphthalate	200,000[CP]	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
Di-n-butylphthalate	NC	NC	180 U	200 U	180 U	180 U	170 U	160 J	180 U
Di-n-octylphthalate	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
Fluoranthene	1,000,000	1,000,000	18 U	90	4 J	30	28	5 J	850
Fluorene	1,000,000	386,000	18 U	5 J	18 U	18 U	17 U	19 U	75
Hexachlorobenzene	12,000	3,200	18 U	20 U	18 U	18 U	17 U	19 U	18 U
Hexachlorobutadiene	NC	NC	53 U	59 U	55 U	55 U	52 U	57 U	55 U
Hexachlorocyclopentadiene	10,000[CP]	NC	530 U	590 U	550 U	550 U	520 U	570 U	550 U
Hexachloroethane	NC	NC	180 U	200 U	180 U	180 U	170 U	190 U	180 U
Indeno[1,2,3-cd]pyrene	11,000	8,200	18 U	30	18 U	11 J	10 J	19 U	270
Isophorone	NC	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
Naphthalene	1,000,000	12,000	20	20 U	18 U	18 U	17 J	18 J	25
Nitrobenzene	40,000[CP]	NC	71 U	79 U	73 U	73 U	70 U	76 U	73 U
N-Nitroso-Di-N-Propylamine	NC	NC	53 U	59 U	55 U	55 U	52 U	57 U	55 U
N-Nitrosodiphenylamine	20,000[CP]	NC	39 U	44 U	40 U	40 U	38 U	42 U	40 U
Pentachlorophenol	55,000	800	180 U	200 U	180 U	180 U	170 U	190 UJ	180 UJ
Phenanthrene	1,000,000	1,000,000	18 U	40	18 U	25	14 J	19 J	750
Phenol	1,000,000	330	53 U	59 U	55 U	55 U	52 U	57 U	55 U
Pyrene	1,000,000	1,000,000	18 U	77	5 J	30	26	6 J	790

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
3. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CP-51/Soil Cleanup Guidance, October 2010 (lowest value)."NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
4. Semi-volatile organic compounds (SVOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8270D by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "J-" designates result is considered estimated and potentially biased low.
9. "R" designates result is rejected.

Table 9
Subsurface Soil Sample Results
Semi-Volatile Organic Compounds
Taconic - Petersburgh, New York

		Sample Location	SB-8	SB-9	SB-9	SB-10	SB-11	EB1-091918
		Sample ID	SB8-5.0-5.5	SB9-6.0-11.0	X 1-100218	SB10-1.0-2.7	SB11-1.5-2.0	9/19/2018
		Sample Date	10/2/2018	10/2/2018	10/2/2018	9/20/2018	10/3/2018	
Compound	Restricted Use - Protection of Human Health Industrial	Restricted Use - Protection of Groundwater						
1,1'-Biphenyl	60,000[CP]	NC	770 U	38 U	39 U	42 U	41 U	11 U
1,2,4,5-Tetrachlorobenzene	NC	NC	770 U	38 U	39 U	42 U	41 U	2.0 U
1,4-Dioxane	250,000	100	7000 U	350 U	350 U	380 U	380 U	0.30 U
2,3,4,6-Tetrachlorophenol	NC	NC	3500 UJ	170 UJ	180 UJ	190 U	190 UJ	11 UJ
2,4,5-Trichlorophenol	4,000[CP]	NC	1000 U	52 U	53 U	57 U	56 U	2.0 U
2,4,6-Trichlorophenol	10,000[CP]	NC	1000 U	52 U	53 U	57 U	56 U	2.0 UJ
2,4-Dichlorophenol	20,000[CP]	NC	770 U	38 U	39 U	42 U	41 U	2.0 UJ
2,4-Dimethylphenol	NC	NC	770 U	38 U	39 U	42 UJ	41 U	R
2,4-Dinitrophenol	20,000[CP]	NC	21000 U	1000 U	1100 U	1100 U	1100 U	32 U
2,4-Dinitrotoluene	NC	NC	3500 U	170 U	180 U	190 U	190 U	5.0 U
2,6-Dinitrotoluene	NC	NC	1000 U	52 U	53 U	57 U	56 U	2.0 U
2-Chloronaphthalene	NC	NC	700 U	35 U	35 U	38 U	38 U	1.0 U
2-Chlorophenol	800[CP]	NC	770 U	38 U	39 U	42 U	41 U	2.0 U
2-Methylnaphthalene	NC	NC	700 UJ	35 UJ	35 UJ	38 U	12 J-	0.50 U
2-Methylphenol	1,000,000	330	**1,000 J**	69 U	71 U	76 U	75 U	R
2-Nitroaniline	NC	NC	1000 U	52 U	53 U	57 U	56 U	7.0 U
2-Nitrophenol	7,000[CP]	NC	770 U	38 U	39 U	42 U	41 U	11 U
3&4-Methylphenol	1,000,000	330	1000 U	52 U	53 U	57 U	56 U	2.0 UJ
3,3-Dichlorobenzidine	NC	NC	7000 U	350 U	350 U	380 U	380 U	R
3-Nitroaniline	NC	NC	3500 U	170 U	180 U	190 U	190 U	7.0 UJ
4,6-Dinitro-2-methylphenol	NC	NC	10000 U	520 U	530 U	570 U	560 U	22 U
4-Bromophenyl-phenylether	NC	NC	1000 UJ	52 UJ	53 UJ	57 U	56 UJ	2.0 U
4-Chloro-3-methylphenol	NC	NC	770 U	38 U	39 U	42 U	41 U	2.0 U
4-Chloroaniline	NC	NC	3500 U	170 U	180 U	190 U	190 U	11 UJ
4-Chlorophenyl-phenylether	NC	NC	770 U	38 UJ	39 U	42 U	41 U	2.0 U
4-Nitroaniline	NC	NC	3500 U	170 U	180 U	190 U	190 U	3.0 U
4-Nitrophenol	7,000[CP]	NC	10000 U	520 U	530 U	570 U	560 U	32 U
Acenaphthene	1,000,000	98,000	350 U	17 U	18 U	19 U	11 J	0.50 U
Acenaphthylene	1,000,000	107,000	350 U	17 U	18 U	19 U	29	0.50 U
Acetophenone	NC	NC	1000 U	52 U	53 U	57 U	56 U	11 U
Anthracene	1,000,000	1,000,000	350 U	17 U	18 U	19 U	35	0.50 UJ
Atrazine	NC	NC	3500 U	170 U	180 U	190 U	190 U	5.0 U
Benzaldehyde	NC	NC	3500 U	170 U	180 U	190 U	190 U	11 U
Benzo[a]anthracene	11,000	1,000	100 J	17 U	18 U	19 U	94	0.50 U
Benzo[a]pyrene	1,100	22,000	170 J	17 U	18 U	19 U	78	0.50 U
Benzo[b]fluoranthene	11,000	1,700	280 J	17 U	18 U	19 U	100	0.50 U
Benzo[g,h,i]perylene	1,000,000	1,000,000	350 U	17 U	18 U	19 U	46	0.50 U
Benzo[k]fluoranthene	110,000	1,700	140 J	17 U	18 U	19 U	47	0.50 U
Bis(2-Chloroethoxy)methane	NC	NC	770 U	38 U	39 U	42 U	41 U	2.0 U
Bis(2-Chloroethyl)Ether	NC	NC	1000 U	52 U	53 U	57 U	56 U	2.0 U
Bis(2-chloroisopropyl)ether	NC	NC	770 U	38 U	39 U	42 U	41 U	2.0 U
Bis(2-Ethylhexyl)phthalate	239000[CP]	NC	6400	170 J	190	190 U	190 U	12 U
Butylbenzylphthalate	NC	NC	3500 U	170 U	180 U	190 UJ	190 U	5.0 U
Caprolactam	NC	NC	3500 U	170 U	180 U	190 U	190 U	12 U
Carbazole	NC	NC	770 U	38 U	39 U	42 U	41 U	2.0 U
Chrysene	110,000	1,000	230 J	17 U	18 U	19 U	100	0.50 U
Dibenzo[a,h]Anthracene	1,100	1,000,000	350 U	17 U	18 U	19 U	17 J	0.50 U
Dibenzofuran	1,000,000	210,000	770 U	38 U	39 U	42 U	41 U	2.0 U
Diethylphthalate	100,000[CP]	NC	3500 U	170 U	180 U	190 U	190 U	5.0 U
Dimethylphthalate	200,000[CP]	NC	3500 U	170 U	180 U	190 U	190 U	5.0 U
Di-n-butylphthalate	NC	NC	3500 U	170 U	180 U	190 U	190 U	5.0 U
Di-n-octylphthalate	NC	NC	3500 U	170 U	180 U	190 U	190 U	12 U
Fluoranthene	1,000,000	1,000,000	270 J	17 U	18 U	19 U	170	0.50 U
Fluorene	1,000,000	386,000	350 U	17 U	18 U	19 U	26	0.50 U
Hexachlorobenzene	12,000	3,200	350 U	17 U	18 U	19 U	19 U	0.50 U
Hexachlorobutadiene	NC	NC	1000 U	52 U	53 U	57 U	56 U	2.0 U
Hexachlorocyclopentadiene	10,000[CP]	NC	10000 U	520 U	530 U	570 U	560 U	12 U
Hexachloroethane	NC	NC	3500 U	170 U	180 U	190 U	190 U	5.0 U
Indeno[1,2,3-cd]pyrene	11,000	8,200	350 U	17 U	18 U	19 U	41	0.50 U
Isophorone	NC	NC	770 U	38 U	39 U	42 U	41 U	2.0 U
Naphthalene	1,000,000	12,000	3400	17 U	18 U	19 U	9 J	0.50 U
Nitrobenzene	40,000[CP]	NC	1400 U	69 U	71 U	76 U	75 U	2.0 U
N-Nitroso-Di-N-Propylamine	NC	NC	1000 U	52 U	53 U	57 U	56 U	3.0 U
N-Nitrosodiphenylamine	20,000[CP]	NC	770 U	38 U	39 U	42 U	41 U	3.0 UJ
Pentachlorophenol	55,000	800	3500 UJ	170 UJ	180 UJ	190 U	190 UJ	5.0 U
Phenanthrene	1,000,000	1,000,000	150 J	17 U	18 U	19 U	200	0.50 U
Phenol	1,000,000	330	1000 U	52 U	53 U	57 U	56 U	2.0 U
Pyrene	1,000,000	1,000,000	250 J	17 U	18 U	19 U	190	0.50 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
3. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CP-51/Soil Cleanup Guidance, October 2010 (lowest value)."NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
4. Semi-volatile organic compounds (SVOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8270D by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "J-" designates result is considered estimated and potentially biased low.
9. "R" designates result is rejected.

Table 9
Subsurface Soil Sample Results
Pesticides
Taconic - Petersburgh, New York

		Sample Location	SB 1	SB 2	SB 3	SB 4	SB 5	SB 6	SB 7	SB 8
		Sample ID	SB1-2.0-3.6	SB2-5.8-7.2	SB3-1.3-1.7	SB4-1.0-2.3	SB5-5.0-7.7	SB6-5.4-6.6	SB7-0.0-1.6	SB8-5.0-5.5
		Sample Date	9/24/2018	9/21/2018	9/28/2018	9/19/2018	9/28/2018	10/4/2018	10/5/2018	10/2/2018
Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater								
4-4-DDD	180,000	14,000	1.8 U	2.0 U	1.9 U	1.9 U	1.8 U	9.6 U	72 U	9.3 U
4-4-DDE	120,000	17,000	1.8 U	0.62 J	1.9 U	1.9 U	1.8 U	9.6 U	72 U	9.3 U
4-4-DDT	94,000	136,000	1.8 U	2.0 U	1.9 U	1.9 U	1.8 U	14 J	72 U	9.3 U
a-BHC	6,800	20	0.88 U	0.99 U	0.92 U	0.90 U	0.87 U	4.7 U	35 U	4.5 U
Aldrin	1,400	190	0.88 U	0.99 U	0.92 U	0.90 U	0.87 U	4.7 U	35 U	4.5 U
alpha-Chlordane	47,000	2,900	0.88 U	0.99 U	0.92 U	0.90 U	0.87 U	4.7 U	35 U	4.5 U
b-BHC	14,000	90	1.1 U	1.2 U	1.1 U	1.1 U	1.0 U	5.7 U	55 U	5.5 U
d-BHC	1,000,000	250	1.1 U	1.2 U	1.1 U	1.1 U	1.0 U	5.7 U	42 U	5.5 U
Dieldrin	2,800	100	1.8 U	2.0 U	1.9 U	1.9 U	1.8 U	9.6 U	72 U	9.3 U
Endosulfan I	920,000[a]	102,000	0.88 U	0.99 U	0.92 U	0.90 U	0.87 U	4.7 U	35 U	4.5 U
Endosulfan II	920,000[a]	102,000	2.4 U	2.7 U	2.5 U	2.5 U	2.4 U	13 U	97 U	13 U
Endosulfan Sulfate	920,000[a]	1,000,000	1.8 U	2.0 U	1.9 U	1.9 U	1.8 U	9.6 U	72 U	9.3 U
Endrin	410,000	60	1.8 U	2.0 U	1.9 U	1.9 U	1.8 U	9.6 U	72 U	9.3 U
Endrin Aldehyde	NC	NC	1.8 U	2.0 U	1.9 U	1.9 U	1.8 U	9.6 U	72 U	9.3 U
Endrin Ketone	540[CP]	NC	2.1 U	2.4 U	2.2 U	2.2 U	2.1 U	11 U	85 U	11 U
Heptachlor	29,000	380	0.88 U	0.99 U	0.92 U	0.90 U	0.87 U	4.7 U	35 U	4.5 U
Heptachlor Epoxide	20[CP]	NC	0.88 U	0.99 U	0.92 U	0.90 U	0.87 U	4.7 U	35 U	4.5 U
Lindane	23,000	100	0.88 U	0.99 U	0.92 U	0.90 U	0.87 U	4.7 U	35 U	4.5 U
Methoxychlor	1,200[CP]	NC	7.1 U	8.0 U	7.4 U	7.3 U	7.0 U	38 U	280 U	37 U
Toxaphene	NC	NC	35 U	39 U	36 U	36 U	35 U	190 U	1400 U	180 U
y-Chlordane	NC	NC	0.88 U	0.99 U	0.92 U	0.90 U	0.87 U	4.7 U	35 U	4.5 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
3. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CO-51/Soil Cleanup Guidance, October 2010 (lowest value). "a" indicates the standard applies to the sum of Endosulfan I, Endosulfan II and Endosulfan Sulfate. "NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
4. Pesticides quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8081B by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J+" designates result is considered estimated and potentially biased high.
7. "J" designates result is considered estimated.

Table 9
Subsurface Soil Sample Results
Pesticides
Taconic - Petersburgh, New York

		Sample Location	SB 9	SB 9	SB 10	SB 11	
		Sample ID	SB9-6.0-11.0	X 1-100218	SB10-1.0-2.7	SB11-1.5-2.0	EB1-091918
		Sample Date	10/2/2018	10/2/2018	9/20/2018	10/3/2018	9/19/2018
Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater					
4-4-DDD	180,000	14,000	1.8 U	1.8 U	2.0 U	1.9 U	0.021 U
4-4-DDE	120,000	17,000	1.8 U	1.8 U	2.0 U	1.9 U	0.021 U
4-4-DDT	94,000	136,000	1.8 U	1.8 U	2.0 U	1.9 U	0.032 J+
a-BHC	6,800	20	0.87 U	0.87 U	0.96 U	0.94 U	0.011 U
Aldrin	1,400	190	0.87 U	0.87 U	0.96 U	0.94 U	0.011 U
alpha-Chlordane	47,000	2,900	0.87 U	0.87 U	0.96 U	0.94 U	0.011 U
b-BHC	14,000	90	1.0 U	1.1 U	1.2 U	1.1 U	0.011 U
d-BHC	1,000,000	250	1.0 U	1.1 U	1.2 U	1.1 U	0.011 U
Dieldrin	2,800	100	1.8 U	1.8 U	2.0 U	1.9 U	0.0081 J
Endosulfan I	920,000[a]	102,000	0.87 U	0.87 U	0.96 U	0.94 U	0.011 U
Endosulfan II	920,000[a]	102,000	2.4 U	2.4 U	2.7 U	2.6 U	0.032 U
Endosulfan Sulfate	920,000[a]	1,000,000	1.8 U	1.8 U	2.0 U	1.9 U	0.021 U
Endrin	410,000	60	1.8 U	1.8 U	2.0 U	1.9 U	0.021 U
Endrin Aldehyde	NC	NC	1.8 U	1.8 U	2.0 U	1.9 U	0.11 U
Endrin Ketone	540[CP]	NC	2.1 U	2.1 U	2.3 U	2.3 U	0.021 U
Heptachlor	29,000	380	0.87 U	0.87 U	0.96 U	0.94 U	0.011 U
Heptachlor Epoxide	20[CP]	NC	0.87 U	0.87 U	0.96 U	0.94 U	0.011 U
Lindane	23,000	100	0.87 U	0.87 U	0.96 U	0.94 U	0.011 U
Methoxychlor	1,200[CP]	NC	7.0 U	7.0 U	7.8 U	7.6 U	0.11 U
Toxaphene	NC	NC	35 U	35 U	38 U	37 U	1.1 U
y-Chlordane	NC	NC	0.87 U	0.87 U	0.96 U	0.94 U	0.021 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
3. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CO-51/Soil Cleanup Guidance, October 2010 (lowest value). "a" indicates the standard applies to the sum of Endosulfan I, Endosulfan II and Endosulfan Sulfate. "NC" Indicates there are no standard or Guidance Values available. Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
4. Pesticides quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8081B by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J+" designates result is considered estimated and potentially biased high.
7. "J" designates result is considered estimated.

Table 9
Subsurface Soil Sample Results
Polychlorinated Biphenyls
Taconic - Petersburgh, New York

Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater	Sample Location / Sample ID / Sample Date	SB-1 SB1-2.0-3.6 9/24/2018	SB-2 SB2-5.8-7.2 9/21/2018	SB-3 SB3-1.3-1.7 9/28/2018	SB-4 SB4-1.0-2.3 9/19/2018	SB-5 SB5-5.0-7.7 9/28/2018	SB-6 SB6-5.4-6.6 10/4/2018	SB-7 SB7-0.0-1.6 10/5/2018
PCB-1016	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U
PCB-1221	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U
PCB-1232	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U
PCB-1242	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U
PCB-1248	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U
PCB-1254	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U
PCB-1260	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U
PCB-1262	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U
PCB-1268	25,000[a]	3,200[a]		18 U	20 U	19 U	19 U	18 U	19 U	56 U

Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater	Sample Location / Sample ID / Sample Date	SB-8 SB8-5.0-5.5 10/2/2018	SB-9 SB9-6.0-11.0 10/2/2018	SB-9 X 1-100218 10/2/2018	SB-10 SB10-1.0-2.7 9/20/2018	SB-11 SB11-1.5-2.0 10/3/2018	EB1-091918 9/19/2018
PCB-1016	25,000[a]	3,200[a]		36 U	18 U	18 U	20 U	19 U	0.013 U
PCB-1221	25,000[a]	3,200[a]		36 U	18 U	18 U	20 U	19 U	0.013 U
PCB-1232	25,000[a]	3,200[a]		36 U	18 U	18 U	20 U	19 U	0.013 U
PCB-1242	25,000[a]	3,200[a]		61	18 U	18 U	20 U	19 U	0.013 U
PCB-1248	25,000[a]	3,200[a]		36 U	18 U	18 U	20 U	19 U	0.013 U
PCB-1254	25,000[a]	3,200[a]		36 U	18 U	18 U	20 U	19 U	0.013 U
PCB-1260	25,000[a]	3,200[a]		36 U	18 U	18 U	20 U	19 U	0.013 U
PCB-1262	25,000[a]	3,200[a]		36 U	18 U	18 U	20 U	19 U	0.013 U
PCB-1268	25,000[a]	3,200[a]		36 U	18 U	18 U	20 U	19 U	0.013 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
3. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "a" indicates standard applied to the sum of individual Polychlorinated biphenyls (PCBs). Exceedances are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
4. Polychlorinated biphenyls (PCBs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8082A by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 9
Subsurface Soil Sample Results
Metals
Taconic - Petersburgh, New York

		Sample Location	SB 1	SB 2	SB 3	SB 4	SB 5	SB 6	SB 7
		Sample ID	SB1-2.0-3.6	SB2-5.8-7.2	SB3-1.3-1.7	SB4-1.0-2.3	SB5-5.0-7.7	SB6-5.4-6.6	SB7-0.0-1.6
		Sample Date	9/24/2018	9/21/2018	9/28/2018	9/19/2018	9/28/2018	10/4/2018	10/5/2018
Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater							
Aluminum	10,000,000[CP]	NC	14,100,000	15,500,000	13,500,000	11,600,000	14,400,000	11,400,000	11,000,000
Antimony	12,000[CP]	NC	325 U	133 J	391 U	363 U	421 U	376 U	129 J
Arsenic	16,000	16,000	4,820	6,480	5,470	3,890 J	6410 J	3,530	3,870
Barium	10,000,000	820,000	55,500	80,400	104,000	81,600	95,300	72,000	62,600
Beryllium	2,700,000	47,000	440	473	588	494	541 J	420	361
Cadmium	60,000	7,500	92.6 J	97.5 J	109 J	162 J	211 U	91.6 J	2,310
Calcium	10,000,000[CP]	NC	1,040,000	3,210,000	2,100,000	1,800,000	4,110,000	3,090,000	980,000
Chromium	800,000[(1)]	NC	12,300	16,300	15,700	11,600 J	16,300	12,600	12,900
Cobalt	20,000[CP]	NC	10,100	8,680	9,110	8,550	10,100	6,760	10,200
Copper	10,000,000	1,720,000	16,900	18,900	16,400	10,900 J	22,400 J	16,700	33,300
Cyanide (Amenable)	10,000,000	40,000	550 U	580 U	550 U	550 U	510 U	590 U	560 U
Iron	NC	NC	29,900,000	30,100,000	31,000,000	21,900,000	31,800,000	24,000,000	27,000,000
Lead	3,900,000	450,000	10,400	16,400	9,660	10,800	8,530	7,600	16,000
Magnesium	NC	NC	4,870,000	4,970,000	4,790,000	3,360,000	5,610,000	4,450,000	3,450,000
Manganese	10,000,000	2,000,000	1,260,000	806,000	445,000	516,000	579,000	352,000	639,000
Mercury	5,700	730	137 U	157 U	136 U	135 U	140 U	153 U	45.5 J
Nickel	10,000,000	130,000	22,500	17,600	25,000	17,200	20,500	17,600	19,700
Potassium	NC	NC	921,000	1,540,000	2,110,000	1,680,000	2,470,000	1,850,000	1,160,000
Selenium	6,800,000	4,000	325 U	250 J	137 J	363 U	421 U	376 U	928
Silver	6,800,000	8,300	81.2 U	59.3 J	97.8 U	90.7 U	105 U	94 U	90.6 U
Sodium	NC	NC	64,000 J	218,000	86,600 J	179,000 J	112,000	94000 U	44,700 J
Thallium	5,000[CP]	NC	44.3 J	121	83.9 J	72.8 J	80.1 J	84.5 J	62.4 J
Vanadium	39,000[CP]	NC	11,400	22,800	16,300	11,900	16,200	11,500	14,300
Zinc	10,000,000	2,480,000	64,500	72,800	68,800	62,300	64,600 J	50,000	81,700

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
3. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CO-51/Soil Cleanup Guidance, October 2010 (lowest value). "(1)" USEPA. 2007. Test Methods for Evaluating Solid waste: Physical/Chemical Methods, SQ-846, 3rd Edition, Update IC. Washington D.C. "NC" Indicates there are no standard or Guidance Values available. Exceedances for Restricted Use - Protection of Human Health Industrial are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
4. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "J-" designates result is considered estimated and potentially biased low.

Table 9
Subsurface Soil Sample Results
Metals
Taconic - Petersburgh, New York

Compound	Restricted Use Protection of Human Health Industrial	Restricted Use Protection of Groundwater	Sample Location / Sample ID / Sample Date: SB 8 SB8-5.0-5.5 10/2/2018	SB 9 SB9-6.0-11.0 10/2/2018	SB 9 X 1-100218 10/2/2018	SB 10 SB10-1.0-2.7 9/20/2018	SB 11 SB11-1.5-2.0 10/3/2018	EB1-091918 9/19/2018
Aluminum	10,000,000[CP]	NC	10,300,000	11,500,000	9,960,000	19,800,000	15,100,000	300 U
Antimony	12,000[CP]	NC	3,520	329 U	340 U	455 U	393 UJ	2.0 U
Arsenic	16,000	16,000	**37,200**	4,710	4,130	6,180	5,110 J-	2.0 U
Barium	10,000,000	820,000	280,000	57,700	76,900	60,300	99,700	4.0 U
Beryllium	2,700,000	47,000	349	507	505	551	566	0.50 U
Cadmium	60,000	7,500	644	70.9 J	86.2 J	106 J	121 J	1.0 U
Calcium	10,000,000[CP]	NC	11,500,000	1,540,000	1,610,000	1,170,000	2,160,000	153 J
Chromium	800,000[(1)]	NC	71,400	13,600	11,100	19,600	17,000	4.0 U
Cobalt	20,000[CP]	NC	23,900	11,300	9,710	15,100	14,300	5.0 U
Copper	10,000,000	1,720,000	546,000	24,100	22,000	18,100	19,000	40 U
Cyanide (Amenable)	10,000,000	40,000	1000 U	520 U	560 U	590 U	570 U	10 U
Iron	NC	NC	246,000,000	27,800,000	25,100,000	41,600,000	27,700,000	51.3 J
Lead	3,900,000	450,000	36,700	7,470	6,590	9,990	13,300	3.0 U
Magnesium	NC	NC	4,660,000	4,500,000	3,760,000	7,020,000	5,010,000	28.7 J
Manganese	10,000,000	2,000,000	981,000	493,000	546,000	817,000	639,000	10 U
Mercury	5,700	730	289	134 U	137 U	155 U	141 U	0.20 U
Nickel	10,000,000	130,000	56,400	18,700	17,300	31,700	23,000	10 U
Potassium	NC	NC	1,220,000	1,540,000	1,420,000	1,050,000	1,990,000	500 U
Selenium	6,800,000	4,000	831	162 J	340 U	455 U	393 U	2.0 U
Silver	6,800,000	8,300	466	82.2 U	84.9 U	114 U	98.4 U	0.50 U
Sodium	NC	NC	161,000 J	62,200 J	71,700 J	70,500 J	187,000	403 J
Thallium	5,000[CP]	NC	175 U	68.8 J	63.7 J	114 U	91 J	0.50 U
Vanadium	39,000[CP]	NC	15,800	13,400	11,500	16,300	15,500	10 U
Zinc	10,000,000	2,480,000	337,000	64,200	59,800	91,800	74,400	4.5 J

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Soil Cleanup Objectives (SCOs) are in ug/kg.
3. SCOs from 6 NYCRR part 375.6 of the Environmental Remediation program. "CP" indicates the SCO is from NYSDEC Commissioners Policy CO-51/Soil Cleanup Guidance, October 2010 (lowest value). "(1)" USEPA. 2007. Test Methods for Evaluating Solid waste: Physical/Chemical Methods, SQ-846, 3rd Edition, Update IC. Washington D.C. "NC" Indicates there are no standard or Guidance Values available. Exceedances for Restricted Use - Protection of Human Health Industrial are highlighted gray. Exceedances for Restricted Use - Protection of Groundwater are bolded.
4. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
5. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
6. "J" designates result is considered estimated.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "J-" designates result is considered estimated and potentially biased low.

Table 9
Subsurface Soil Sample Results
pH
Taconic - Petersburgh, New York

		Sample Location	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6
		Sample ID	SB1-2.0-3.6	SB2-5.8-7.2	SB3-1.3-1.7	SB4-1.0-2.3	SB5-5.0-7.7	SB6-5.4-6.6
		Sample Date	9/24/2018	9/21/2018	9/28/2018	9/19/2018	9/28/2018	10/4/2018
Analysis	Restricted Use - Protection of Human Health Industrial	Restricted Use - Protection of Groundwater						
pH	NC	NC	7.02	6.88	6.89	8.50	7.74	7.94

		Sample Location	SB-7	SB-8	SB-9	SB-9	SB-10	SB-11
		Sample ID	SB7-0.0-1.6	SB8-5.0-5.5	SB9-6.0-11.0	X-1-100218	SB10-1.0-2.7	SB11-1.5-2.0
		Sample Date	10/5/2018	10/2/2018	10/2/2018	10/2/2018	9/20/2018	10/3/2018
Analysis	Restricted Use - Protection of Human Health Industrial	Restricted Use - Protection of Groundwater						
pH	NC	NC	6.07	7.43	7.26	7.21	6.49	8.09

Notes:

1. Results are in Standard Units (SU).
2. pH quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 9045 by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "NC" Indicates there are no standard or Guidance Values available.

Table 10
Waste Water Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location	WWUST6		WWUST 5	WWUST 5	WWUST 5		
Sample ID	WWUST6	FRB041218	WWUST 5 TOP	WWUST 5 BOTTOM	FD1051718	FRB051718	EB1-090718
Sample Date	4/12/2018	4/12/2018	5/17/2018	5/17/2018	5/17/2018	5/17/2018	9/7/2018
Compound							
6:2 fluorotelomersulfonate	0.9 U	0.0083 U	20 U	20 U	20 U	0.0019 U	0.0024 U
8:2 fluorotelomersulfonate	0.6 U	0.0055 U	59 U	59 U	60 U	0.0058 U	0.0072 U
HFPODA (Gen-X)	64	0.00092 U	370 J+	18	28 J-	0.00097 U	1.1 U
NEtFOSAA	0.3 U	0.0028 U	30 U	30 U	30 U	0.0029 U	0.0036 U
NMeFOSSA	0.3 U	0.0028 U	30 U	30 U	30 U	0.0029 U	0.0036 U
Perfluorobutanesulfonate	0.1 U	0.00092 U	9.9 U	9.8 U	10 U	0.00097 U	0.0012 U
Perfluorobutanoic acid	0.46 J	0.0055 U	24 J	89	77	0.0058 U	0.0072 U
Perfluorodecanesulfonate	R	0.0018 U	20 U	20 U	20 U	0.0019 U	0.0024 U
Perfluorodecanoic acid	0.2 U	0.0018 U	81	20 U	20 U	0.0019 U	0.0024 U
Perfluorododecanoic acid	R	0.00092 U	22 J+	9.8 U	10 U	0.00097 U	0.0024 U
Perfluoroheptanesulfonate	0.2 U	0.0018 U	20 U	20 U	20 U	0.0019 U	0.0024 U
Perfluoroheptanoic acid	0.086 J	0.00092 U	850 J+	16	20 J+	0.00097 U	0.0012 U
Perfluorohexanesulfonic acid	0.2 U	0.0018 U	20 U	20 U	20 U	0.0019 U	0.0018 U
Perfluorohexanoic acid	0.2 U	0.0018 U	310 J+	20	17 J	0.0019 U	0.0024 U
Perfluorononanoic acid	0.15 J	0.0018 U	87 J+	20 U	20 U	0.0019 U	0.0024 U
Perfluorooctanesulfonamide	0.3 UJ	0.0028 U	30 U	30 U	30 U	0.0029 UJ	0.0036 U
Perfluoro-octanesulfonate (PFOS)	0.2 U	0.0018 U	20 U	20 U	20 U	0.0019 U	0.0024 U
Perfluorooctanoic acid (PFOA)	1.1	0.00092 U	100,000	1,100	1,900	0.00097 U	0.0012 U
Perfluoropentanoic acid	0.62	0.0055 U	110	51 J	41 J	0.0058 U	0.0072 U
Perfluorotetradecanoic acid	R	0.00092 U	9.9 U	9.8 U	10 U	0.00097 U	0.0012 U
Perfluorotridecanoic acid	0.14 J-	0.00092 U	20	9.8 U	10 U	0.00097 U	0.0012 U
Perfluoroundecanoic acid	0.2 UJ	0.0018 U	64 J+	20 U	20 U	0.0019 U	0.0024 U
Total Organic Carbon (TOC)	1,050,000	--	114,000,000	30,100,000	29,800,000	--	--

Notes:

1. Results reported in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using USEPA Method 537 Version 1.1 Modified except for 2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (HFPODA) quantitated using USEPA Method 846 8321B, and TOC quantitated using Standard Methods Method 5310 C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.
5. “R” designates result is rejected.
6. "J+" designates result is considered estimated and potentially biased high.
7. "UJ" designates compound is not detected at or above the estimated LOQ.
8. "J-" designates result is considered estimated and potentially biased low.
9. "--" designates compound was not analyzed.

Table 10
Waste Water Sample Results
Volatile Organic Compounds
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	WWUST6 WWUST6 4/12/2018	WWUST 5 WWUST 5 BOTTOM 5/17/2018	WWUST 5 FD1051718 5/17/2018	WWUST 5 WWUST5BOTTOM 090718 9/7/2018	EB1-090718 9/7/2018
1,1,1-Trichloroethane	250 U	250 UJ	250 U	1000 U	0.50 U
1,1,2,2-Tetrachloroethane	250 U	250 UJ	250 U	1000 U	0.50 U
1,1,2-Trichloroethane	250 U	250 UJ	250 U	1000 U	0.50 U
1,1-Dichloroethane	250 U	250 UJ	250 U	1000 U	0.50 U
1,1-Dichloroethene	250 U	250 UJ	250 U	1000 U	0.50 U
1,2,3-Trichlorobenzene	250 U	250 UJ	250 U	1000 U	0.50 U
1,2,4-Trichlorobenzene	250 U	250 UJ	250 U	1000 U	0.50 U
1,2-Dibromo-3-chloropropane	250 U	250 UJ	250 U	1000 UJ	0.50 U
1,2-Dibromoethane	250 U	250 UJ	250 U	1000 U	0.50 U
1,2-Dichlorobenzene	250 U	250 UJ	250 U	1000 U	0.50 U
1,2-Dichloroethane	250 U	250 UJ	250 U	1000 U	0.50 U
1,2-Dichloropropane	250 U	250 UJ	250 U	1000 U	0.50 U
1,3-Dichlorobenzene	250 U	250 UJ	250 U	1000 U	0.50 U
1,4-Dichlorobenzene	250 U	250 UJ	250 U	1000 U	0.50 U
2-Butanone	2500 U	1,200 J-	2500 U	10000 UJ	5.0 U
2-Hexanone	2500 U	2500 UJ	2500 U	10000 UJ	5.0 U
4-Methyl-2-Pentanone	2500 U	1,300 J-	1,300 J	10000 UJ	5.0 U
Acetone	20,000	12,000 J-	12,000	24,000 J	5.0 U
Benzene	250 U	250 UJ	250 U	1000 U	0.50 U
Bromochloromethane	250 U	250 UJ	250 U	1000 U	0.50 U
Bromodichloromethane	250 U	250 UJ	250 U	1000 U	0.50 U
Bromoform	250 U	250 UJ	250 U	2000 U	1.0 U
Bromomethane	250 U	250 UJ	250 U	1000 U	0.50 U
Carbon disulfide	500 U	500 UJ	500 U	2000 U	1.0 U
Carbon Tetrachloride	250 U	250 UJ	250 U	1000 U	0.50 U
Chlorobenzene	250 U	250 UJ	250 U	1000 U	0.50 U
Chloroethane	250 U	250 UJ	250 U	1000 U	0.50 U
Chloroform	250 U	250 UJ	250 U	1000 U	0.3 J
Chloromethane	250 U	250 UJ	250 U	1000 U	0.50 U
cis-1,2-Dichloroethene	250 U	250 UJ	250 U	1000 U	0.50 U
Cis-1,3-Dichloropropene	250 U	250 UJ	250 U	1000 U	0.50 U
Cyclohexane	250 U	250 UJ	250 U	1000 U	0.50 U
Dibromochloromethane	250 U	250 UJ	250 U	1000 U	0.50 U
Dichlorodifluoromethane	250 U	250 UJ	250 U	1000 U	0.50 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	250 U	250 UJ	250 U	1000 U	0.50 U
Ethylbenzene	250 U	250 UJ	250 U	1000 U	0.50 U
Isopropylbenzene	250 U	250 UJ	250 U	1000 U	0.50 U
m,p-Xylene	250 U	250 UJ	250 U	1000 U	0.50 U
Methyl Acetate	500 U	500 UJ	500 U	2000 U	1.0 U
Methylcyclohexane	250 U	250 UJ	250 U	1000 U	0.50 U
Methylene Chloride	250 U	250 UJ	250 U	1000 U	0.2 J
MTBE	250 U	250 UJ	250 U	1000 U	0.50 U
o-Xylene	250 U	250 UJ	250 U	1000 U	0.50 U
Styrene	250 U	250 UJ	250 U	1000 U	0.50 U
Tetrachloroethene	250 U	250 UJ	250 U	1000 U	0.50 U
Toluene	250 U	250 UJ	250 U	1000 U	0.50 U
trans-1,2-Dichloroethene	250 U	250 UJ	250 U	1000 U	0.50 U
Trans-1,3-Dichloropropene	250 U	250 UJ	250 U	1000 U	0.50 U
Trichloroethene	250 U	250 UJ	250 U	1000 U	0.50 U
Trichlorofluoromethane	250 U	250 UJ	250 U	1000 U	0.50 U
Vinyl Chloride	250 U	250 UJ	250 UJ	1000 U	0.50 U
Xylenes (total)	250 U	250 UJ	250 U	1000 U	0.50 U

Notes:

1. Results reported in micrograms per liter (ug/L).
2. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "UJ" designates compound is not detected at or above the estimated LOQ.
5. "J-" designates result is considered estimated and potentially biased low.

Table 10
Waste Water Sample Results
Semi-Volatile Organic Compounds
Taconic - Petersburgh, New York

Sample Location	WWUST6	WWUST 5	WWUST 5	WWUST 5	
Sample ID	WWUST6	WWUST 5 BOTTOM	FD1051718	WWUST5BOTTOM 090718	EB051818
Sample Date	4/12/2018	5/17/2018	5/17/2018	9/7/2018	5/18/2018
Compound					
1,1'-Biphenyl	1 U	110 U	100 U	100 U	10 U
1,2,4,5-Tetrachlorobenzene	1 U	23 U	20 U	21 U	2.0 U
1,4-Dioxane	0.8 J	52	49	---	0.30 U
2,3,4,6-Tetrachlorophenol	1 U	110 U	100 U	100 U	10 U
2,4,5-Trichlorophenol	1 U	23 U	20 U	21 U	2.0 U
2,4,6-Trichlorophenol	1 U	23 U	20 U	21 U	2.0 U
2,4-Dichlorophenol	1 U	23 U	20 U	21 U	2.0 U
2,4-Dimethylphenol	1 U	110 U	100 U	100 U	10 U
2,4-Dinitrophenol	30 U	340 U	300 U	310 U	30 U
2,4-Dinitrotoluene	5 U	57 U	51 U	52 U	5.0 U
2,6-Dinitrotoluene	1 U	23 U	20 U	21 U	2.0 U
2-Chloronaphthalene	1 U	11 U	10 U	10 U	1.0 U
2-Chlorophenol	1 U	23 U	20 U	21 U	2.0 U
2-Methylnaphthalene	0.5 U	6 U	5 U	5 U	0.50 U
2-Methylphenol	1 U	23 U	20 U	21 U	2.0 U
2-Nitroaniline	1 U	80 U	71 U	73 U	7.0 U
2-Nitrophenol	1 U	110 U	100 U	100 U	10 U
3&4-Methylphenol	3	23 U	20 U	110	2.0 U
3,3-Dichlorobenzidine	5 U	110 U	100 U	100 U	10 U
3-Nitroaniline	1 U	80 U	71 U	73 U	7.0 U
4,6-Dinitro-2-methylphenol	15 U	240 U	210 U	220 U	21 U
4-Bromophenyl-phenylether	1 U	23 U	20 U	21 U	2.0 U
4-Chloro-3-methylphenol	1 U	23 U	20 U	21 U	2.0 U
4-Chloroaniline	4 U	110 U	100 U	100 U	10 U
4-Chlorophenyl-phenylether	1 U	23 U	20 U	21 U	2.0 U
4-Nitroaniline	1 U	34 U	30 U	31 U	3.0 U
4-Nitrophenol	30 U	340 U	300 U	310 U	30 U
Acenaphthene	0.5 U	6 U	5 U	5 U	0.50 U
Acenaphthylene	0.5 U	6 U	5 U	5 U	0.50 U
Acetophenone	1 U	110 U	100 U	100 U	10 U
Anthracene	0.5 U	6 U	5 U	5 U	0.50 U
Atrazine	5 U	57 U	51 U	52 U	5.0 U
Benzaldehyde	5 U	110 U	100 U	100 U	10 U
Benzo[a]anthracene	0.5 U	6 U	5 U	5 U	0.50 U
Benzo[a]pyrene	0.5 U	6 U	5 U	5 U	0.50 U
Benzo[b]fluoranthene	0.5 U	6 U	5 U	5 U	0.50 U
Benzo[g,h,i]perylene	0.5 U	6 U	5 U	5 U	0.50 U
Benzo[k]fluoranthene	0.5 U	6 U	5 U	5 U	0.50 U
Bis(2-Chloroethoxy)methane	1 U	23 U	20 U	21 U	2.0 U
Bis(2-Chloroethyl)Ether	1 U	23 U	20 U	21 U	2.0 U
Bis(2-chloroisopropyl)ether	1 U	23 U	20 U	21 U	2.0 U
Bis(2-Ethylhexyl)phthalate	5 U	130 U	110 U	110 U	11 U
Butylbenzylphthalate	5 U	57 U	51 U	52 U	5.0 U
Caprolactam	15 U	130 U	110 U	110 U	11 U
Carbazole	1 U	23 U	20 U	21 U	2.0 U
Chrysene	0.5 U	6 U	5 U	5 U	0.50 U
Dibenzo[a,h]Anthracene	0.5 U	6 U	5 U	5 U	0.50 U
Dibenzofuran	1 U	23 U	20 U	21 U	2.0 U
Diethylphthalate	5 U	57 U	51 U	52 U	5.0 U
Dimethylphthalate	5 U	57 U	51 U	52 U	5.0 U
Di-n-butylphthalate	5 U	57 U	51 U	52 U	5.0 U
Di-n-octylphthalate	5 U	130 U	110 U	110 U	11 U
Fluoranthene	0.5 U	6 U	5 U	5 U	0.50 U
Fluorene	0.5 U	6 U	5 U	5 U	0.50 U
Hexachlorobenzene	0.5 U	6 U	5 U	5 U	0.50 U
Hexachlorobutadiene	1 U	23 U	20 U	21 U	2.0 U
Hexachlorocyclopentadiene	15 U	130 U	110 U	110 U	11 U
Hexachloroethane	5 U	57 U	51 U	52 U	5.0 U
Indeno[1,2,3-cd]pyrene	0.5 U	6 U	5 U	5 U	0.50 U
Isophorone	1 U	23 U	20 U	21 U	2.0 U
Naphthalene	0.5 U	6 U	5 U	5 U	0.50 U
Nitrobenzene	1 U	23 U	20 U	21 U	2.0 U
N-Nitroso-Di-N-Propylamine	1 U	34 U	30 U	31 U	3.0 U
N-Nitrosodiphenylamine	1 U	34 U	30 U	31 U	3.0 U
Pentachlorophenol	5 U	57 UJ	51 UJ	52 UJ	5.0 U
Phenanthrene	0.5 U	6 U	5 U	5 U	0.50 U
Phenol	1 U	23 U	20 U	180	2.0 U
Pyrene	0.1 J	6 U	5 U	5 U	0.50 U

Notes:

1. Results reported in micrograms per liter (ug/L).
2. Semi-volatile organic compounds (SVOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8270D by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "--" designates compound was not analyzed.
5. "J" designates result is considered estimated.

Table 10
Waste Water Sample Results
Pesticides
Taconic - Petersburgh, New York

Sample Location	WWUST 5	EB1-090718
Sample ID	WWUST5BOTTOM 090718	9/7/2018
Sample Date	9/7/2018	
Compound		
4-4-DDD	0.83 U	0.095 U
4-4-DDE	0.83 U	0.095 U
4-4-DDT	0.83 U	0.095 U
a-BHC	4.1 U	0.048 U
Aldrin	0.41 U	0.048 U
alpha-Chlordane	0.41 U	0.048 U
b-BHC	4.1 U	0.048 U
d-BHC	4.1 U	0.048 U
Dieldrin	0.83 U	0.095 U
Endosulfan I	0.41 U	0.048 U
Endosulfan II	1.2 U	0.14 U
Endosulfan Sulfate	0.83 U	0.095 U
Endrin	0.83 U	0.095 U
Endrin Aldehyde	4.1 U	0.48 U
Endrin Ketone	0.83 U	0.095 U
Heptachlor	4.1 U	0.048 U
Heptachlor Epoxide	0.41 U	0.048 U
Lindane	4.1 U	0.048 U
Methoxychlor	4.1 U	0.48 U
Toxaphene	41 U	4.8 U
y-Chlordane	0.83 U	0.095 U

Notes:

1. Results reported in micrograms per liter (ug/L).
2. Pesticides quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8081B by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).

Table 10
Waste Water Sample Results
Polychlorinated Biphenyls
Taconic - Petersburgh, New York

Sample Location Sample ID Sample Date Compound	WWUST 5 WWUST5BOTTOM 090718 9/7/2018	EB1-090718 9/7/2018
PCB-1016	0.1 UJ	0.011 U
PCB-1221	0.1 UJ	0.011 U
PCB-1232	0.1 UJ	0.011 U
PCB-1242	0.1 UJ	0.011 U
PCB-1248	0.1 UJ	0.011 U
PCB-1254	0.1 UJ	0.011 U
PCB-1260	0.1 UJ	0.011 U
PCB-1262	0.1 UJ	0.011 U
PCB-1268	0.1 UJ	0.011 U

Notes:

1. Results reported in micrograms per liter (ug/L).
2. Polychlorinated biphenyls (PCBs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8082A by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "UJ" designates compound is not detected at or above the estimated Limit of Quantitation (LOQ).
4. "U" designates compound was not detected at or above the LOQ.

Table 10
Waste Water Sample Results
Metals and Cations
Taconic - Petersburgh, New York

Sample Location	WWUST6	WWUST 5	WWUST 5	WWUST 5	WWUST 5	
Sample ID	WWUST6	WWUST 5 BOTTOM	FD1051718	WWUST 5 TOP	WWUST5BOTTOM 090718	EB1-090718
Sample Date	4/12/2018	5/17/2018	5/17/2018	5/17/2018	9/7/2018	9/7/2018
Compound						
Antimony	0.0010 U	0.2 U	0.2 U	--	0.0407 J	300 U
Arsenic	0.0021	0.4 U	0.4 U	--	0.1 U	2.0 U
Barium	0.0920	1.12	1.31	--	0.928	2.0 U
Beryllium	0.00050 U	0.1 U	0.1 U	--	0.007 J	4.0 U
Cadmium	0.00017 J	0.0374 J	0.253 J	--	0.05 U	0.50 U
Chromium	0.0195 J	0.804	0.828	--	0.733	1.0 U
Copper	0.553	5.75 J	32.6 J	--	2 U	43.2 J
Lead	0.0020	0.0868 J	0.384 J	--	0.15 U	4.0 U
Manganese	0.143	25.6	33.8	--	23.9	5.0 U
Selenium	0.0020 U	0.4 U	0.4 U	--	0.1 U	40 U
Silver	0.00050 U	0.0029 J	0.0172 J	--	0.0462	10 U
Thallium	0.00050 U	0.005 U	0.0019 J	--	0.025 U	200 U
Aluminum	1.00 U	6.63 J	12.7 J	--	4.98	3.0 U
Calcium	35.4	525	729	257	460	100 U
Cobalt	0.0250 U	0.1	0.131	--	0.0907	10 U
Iron	2.08	1310	1920	--	1190	0.20 U
Magnesium	7.21	80.9	94.5	38.8	76.4	10 U
Nickel	0.0500 U	0.675	0.782	--	0.501	500 U
Potassium	5.81	64.6	72.9	36.1	53.6	2.0 U
Sodium	70.7	9580	10500	5740	9170	0.50 U
Vanadium	0.0131 J	0.575	0.715	--	0.537	1000 U
Zinc	0.180	22.1 J	41.1 J	--	17.8	0.50 U
Mercury	0.00020 U	0.004 U	0.004 U	--	0.004 U	10 U
Cyanide (Amenable)	0.020 U	0.5 U	0.14	--	0.17 J-	20 U

Notes:

1. Results reported in micrograms per liter (ug/L).
2. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.
5. "--" designates compound was not analyzed.

Table 10
Waste Water Sample Results
Anions
Taconic - Petersburgh, New York

Sample Location	WWUST 5	WWUST 5	WWUST 5
Sample ID	FD1051718	WWUST 5 BOTTOM	WWUST 5 TOP
Sample Date	5/17/2018	5/17/2018	5/17/2018
Analysis			
Alkalinity, Carbonate	50 U	50 U	50 U
Alkalinity, Total as CaCO3	4,750	4,160	3,710
Bicarbonate Alkalinity	4,750	4,160	3,710
Chloride	1,010,000	1,100,000	678,000
Sulfate	439,000 J	473,000 J	362,000 J

Notes:

1. Results are in milligrams per liter (mg/L).
2. Alkalinity and chloride, sulfate quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method SM2330B and E300.0 respectively by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J" designates result is considered estimated.

Table 10
Waste Water Sample Results
pH
Taconic - Petersburgh, New York

Sample Location	WWUST6	WWUST 5	WWUST 5	WWUST 5	WWUST 5	
Sample ID	WWUST6	WWUST 5 BOTTOM	FD1051718	WWUST 5 TOP	WWUST5BOTTOM 090718	EB1-090718
Sample Date	4/12/2018	5/17/2018	5/17/2018	5/17/2018	9/7/2018	9/7/2018
Analysis						
pH	7.3	6.1	6.2	6.4	6.2	5.4

Notes:

1. Results are in Standard Units (SU).
2. pH quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 9045 by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.

Table 11
Sludge Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	SLDGUST6 SLDGUST6 4/12/2018	EB041218 4/12/2018	SLDGUST6 SLDGUST6M 051818 5/18/2018	SLDGUST6 SLDGUST6B 051818 5/18/2018	SLDGUST6 SLDGUST6 COMP 051818 5/18/2018
6:2 fluorotelomersulfonate	3.5 U	0.0083 U	2.6 U	4.2	3.3 U
8:2 fluorotelomersulfonate	3.5 U	0.0055 U	2.6 U	3.5 U	3.3 U
HFPODA (Gen-X)	71	0.00099 U	75	130 J+	83
NEtFOSAA	3.5 U	0.0028 U	2.6 U	3.5 UJ	3.3 U
NMeFOSSA	3.5 U	0.0028 U	2.6 U	3.5 UJ	3.3 U
Perfluorobutanesulfonate	1.1 U	0.00092 U	0.79 U	1.1 U	1 U
Perfluorobutanoic acid	1.3	0.0055 U	0.92	1.1 J+	1
Perfluorodecanesulfonate	1.8 UJ	0.0018 U	1.3 UJ	1.8 U	1.7 U
Perfluorodecanoic acid	1.1 U	0.0018 U	0.33 J	3.6 J	0.5 J
Perfluorododecanoic acid	1.1 U	0.00092 U	0.79 U	1.3	1 U
Perfluoroheptanesulfonate	1.1 U	0.0018 U	0.79 U	1.1 U	1 U
Perfluoroheptanoic acid	1.4	0.00092 U	1.2	12 J	2.1
Perfluorohexanesulfonic acid	1.1 U	0.0018 U	0.79 U	1.1 UJ+	1 U
Perfluorohexanoic acid	1.1 U	0.0018 U	0.79 UJ	1.5 J	0.43 J
Perfluorononanoic acid	2.8	0.0018 U	3	12	4
Perfluorooctanesulfonamide	1.1 UJ	0.0028 U	0.79 UJ-	1.1 UJ-	1 UJ-
Perfluoro-octanesulfonate (PFOS)	1.6 U	0.0018 U	1.2 U	1.6 U	1.5 U
Perfluorooctanoic acid (PFOA)	34	0.00092 U	81	3,300	230
Perfluoropentanoic acid	1.4	0.0055 U	1.1	2.3 J	1.5
Perfluorotetradecanoic acid	R	0.00092 U	0.79 U	1.2 R	1 U
Perfluorotridecanoic acid	1.8 J-	0.00092 U	1.1	3	1.5
Perfluoroundecanoic acid	1.7	0.0018 U	1.8	11 J	2.4
Total Organic Carbon (TOC)	237,000	--	172,000	175,000	176,000

Notes:

1. Results are in nanograms per gram (ng/g), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using United States Environmental Protection Agency (USEPA) Method 537 Version 1.1 Modified, 2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (HFPODA) quantitated using USEPA Method 846 8321B, and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "UJ" designates compound is not detected at or above the estimated LOQ.
5. "J+" designates result is considered estimated and potentially biased high.
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. “R” designates result is rejected.
9. "--" designates compound was not analyzed.

Table 11
Sludge Sample Results
Poly- and Perfluoroalkyl Substances and Total Organic Carbon
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	FRB051818 5/18/2018	EB051818 5/18/2018	SLDGUST5 SLDGUST5 090718 9/7/2018	FRB1 090718 9/7/2018	EB1 090718 9/7/2018
6:2 fluorotelomersulfonate	0.0019 U	0.0019 U	280 U	0.0018 U	0.0024 U
8:2 fluorotelomersulfonate	0.0057 U	0.0057 U	280 U	0.0053 U	0.0072 U
HFPODA (Gen-X)	0.00096 U	0.00096 U	39	0.0009 U	0.0011 U
NEtFOSAA	0.0028 U	0.0029 U	280 U	0.0027 U	0.0036 U
NMeFOSSA	0.0028 U	0.0029 U	280 U	0.0027 U	0.0036 U
Perfluorobutanesulfonate	0.00094 U	0.00095 U	84 U	0.00089 U	0.0012 U
Perfluorobutanoic acid	0.0057 U	0.0057 U	90	0.0053 U	0.0072 U
Perfluorodecanesulfonate	0.0019 U	0.0019 U	140 U	0.0018 U	0.0024 U
Perfluorodecanoic acid	0.0019 U	0.0019 U	240	0.0018 U	0.0024 U
Perfluorododecanoic acid	0.00094 U	0.00095 U	68 J	0.0018 U	0.0024 U
Perfluoroheptanesulfonate	0.0019 U	0.0019 U	84 U	0.0018 U	0.0024 U
Perfluoroheptanoic acid	0.00094 U	0.00095 U	660	0.00089 U	0.0012 U
Perfluorohexanesulfonic acid	0.0019 U	0.0019 U	84 U	0.0018 U	0.0024 U
Perfluorohexanoic acid	0.0019 U	0.0019 U	65 J	0.0018 U	0.0024 U
Perfluorononanoic acid	0.0019 U	0.0019 U	220	0.0018 U	0.0024 U
Perfluorooctanesulfonamide	0.0028 UJ-	0.0029 UJ-	84 U	0.0027 U	0.0036 U
Perfluoro-octanesulfonate (PFOS)	0.0019 U	0.0019 U	130 U	0.0018 U	0.0024 U
Perfluorooctanoic acid (PFOA)	0.00094 U	0.00095 U	240,000	0.00089 U	0.0012 U
Perfluoropentanoic acid	0.0057 U	0.0057 U	53 J	0.0053 U	0.0072 U
Perfluorotetradecanoic acid	0.00094 U	0.00095 U	84 U	0.00089 U	0.0012 U
Perfluorotridecanoic acid	0.00094 U	0.00095 U	47 J	0.00089 U	0.0012 U
Perfluoroundecanoic acid	0.0019 U	0.0019 U	110	0.0018 U	0.0024 U
Total Organic Carbon (TOC)	--	1000 U	160,000	--	--

Notes:

1. Results are in nanograms per gram (ng/g), except equipment blank (EB) and field reagent blank (FRB) results which are in micrograms per liter (ug/L).
2. Poly- and perfluoroalkyl substances quantitated using United States Environmental Protection Agency (USEPA) Method 537 Version 1.1 Modified, 2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-propanoic acid (HFPODA) quantitated using USEPA Method 846 8321B, and TOC quantitated using Lloyd Kahn by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "UJ" designates compound is not detected at or above the estimated LOQ.
5. "J+" designates result is considered estimated and potentially biased high.
6. "J" designates result is considered estimated.
7. "J-" designates result is considered estimated and potentially biased low.
8. “R” designates result is rejected.
9. "--" designates compound was not analyzed.

Table 11
Sludge Sample Results
Volatile Organic Compounds
Taconic - Petersburgh, New York

Sample Location	SLDGUST6	SLDGUST6	SLDGUST5		
Sample ID	SLDGUST6	SLDGUST6 COMP 051818	SLDGUST5-090718	EB051818	EB1-090718
Sample Date	4/12/2018	5/18/2018	9/7/2018	5/18/2018	9/7/2018
Compound					
1,1,1-Trichloroethane	26000 U	9 U	7 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	26000 U	9 U	7 U	0.50 U	0.50 U
1,1,2-Trichloroethane	26000 U	9 U	7 U	0.50 U	0.50 U
1,1-Dichloroethane	26000 U	9 U	7 U	0.50 U	0.50 U
1,1-Dichloroethene	26000 U	9 U	7 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	26,000 J-	9 U	15 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	22,000 J-	9 U	15 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane	26000 U	9 U	7 U	0.50 U	0.50 U
1,2-Dibromoethane	26000 U	9 U	7 U	0.50 U	0.50 U
1,2-Dichlorobenzene	26000 U	9 U	7 U	0.50 U	0.50 U
1,2-Dichloroethane	26000 U	9 U	7 U	0.50 U	0.50 U
1,2-Dichloropropane	26000 U	9 U	7 U	0.50 U	0.50 U
1,3-Dichlorobenzene	26000 U	9 U	7 U	0.50 U	0.50 U
1,4-Dichlorobenzene	26000 U	9 U	7 U	0.50 U	0.50 U
2-Butanone	53000 U	640	400	5.0 U	5.0 U
2-Hexanone	53000 U	18 U	26	5.0 U	5.0 U
4-Methyl-2-Pentanone	53000 U	100	1,000 J	5.0 U	5.0 U
Acetone	110000 U	3,400 J	6,500 J	5.0 U	5.0 U
Benzene	26000 U	9 U	1 J	0.50 U	0.50 U
Bromochloromethane	26000 U	9 U	7 U	0.50 U	0.50 U
Bromodichloromethane	26000 U	9 U	7 U	0.50 U	0.50 U
Bromoform	26000 U	9 U	15 U	0.50 U	1.0 U
Bromomethane	26000 U	9 U	7 U	0.50 U	0.50 U
Carbon disulfide	26000 U	10	7 J	1.0 U	1.0 U
Carbon Tetrachloride	26000 U	9 U	7 U	0.50 U	0.50 U
Chlorobenzene	26000 U	9 U	7 U	0.50 U	0.50 U
Chloroethane	26000 U	9 U	7 U	0.50 U	0.50 U
Chloroform	26000 U	9 U	7 U	0.50 U	0.3 J
Chloromethane	26000 U	9 U	7 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	26000 U	9 U	7 U	0.50 U	0.50 U
Cis-1,3-Dichloropropene	26000 U	9 U	7 U	0.50 U	0.50 U
Cyclohexane	26000 U	9 U	7 U	0.50 U	0.50 U
Dibromochloromethane	26000 U	9 U	7 U	0.50 U	0.50 U
Dichlorodifluoromethane	26000 U	9 U	7 U	0.50 U	0.50 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	53000 U	18 U	15 U	0.50 U	0.50 U
Ethylbenzene	26000 U	9 U	1 J	0.50 U	0.50 U
Isopropylbenzene	26000 U	9 U	7 U	0.50 U	0.50 U
m,p-Xylene	26000 U	9 U	4 J	0.50 U	0.50 U
Methyl Acetate	26000 U	9 U	30	1.0 U	1.0 U
Methylcyclohexane	26000 U	9 U	7 U	0.50 U	0.50 U
Methylene Chloride	26000 U	9 U	7 U	0.2 J	0.2 J
MTBE	26000 U	9 U	7 U	0.50 U	0.50 U
o-Xylene	26000 U	9 U	2 J	0.50 U	0.50 U
Styrene	26000 U	9 U	0.6 J	0.50 U	0.50 U
Tetrachloroethene	26000 U	4 J	7 U	0.50 U	0.50 U
Toluene	26000 U	380	180	0.50 U	0.50 U
trans-1,2-Dichloroethene	26000 U	9 U	7 U	0.50 U	0.50 U
Trans-1,3-Dichloropropene	26000 U	9 U	7 U	0.50 U	0.50 U
Trichloroethene	26000 U	47	7 U	0.50 U	0.50 U
Trichlorofluoromethane	26000 U	9 U	7 U	0.50 U	0.50 U
Vinyl Chloride	26000 U	9 U	7 U	0.50 UJ	0.50 U
Xylenes (total)	26000 U	9 U	7 J	0.50 U	0.50 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
3. Volatile organic compounds (VOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "J-" designates result is considered estimated and potentially biased low.
5. "J" designates result is considered estimated.

Table 11
Sludge Sample Results
Semi-Volatile Organic Compounds
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	SLDGUST6 SLDGUST6 4/12/2018	SLDGUST6 SLDGUST6 COMP 051818 5/18/2018	SLDGUST5 SLDGUST5-090718 9/7/2018	EB051818 5/18/2018	EB1-090718 9/7/2018
1,1'-Biphenyl	170 U	64 UJ	91	10 U	14 U
1,2,4,5-Tetrachlorobenzene	170 U	64 UJ	56 U	2.0 U	3.0 U
1,4-Dioxane	1700 UJ	580 UJ	510 U	0.30 U	---
2,3,4,6-Tetrachlorophenol	870 UJ	290 UJ	260 U	10 U	14 U
2,4,5-Trichlorophenol	170 UJ	R	77 U	2.0 U	3.0 U
2,4,6-Trichlorophenol	170 U	R	77 U	2.0 U	3.0 U
2,4-Dichlorophenol	170 U	64 UJ	56 U	2.0 U	3.0 U
2,4-Dimethylphenol	170 U	64 U	56 U	10 U	14 U
2,4-Dinitrophenol	5200 U	1700 U	1500 U	30 U	43 U
2,4-Dinitrotoluene	870 UJ	290 UJ	260 U	5.0 U	7.0 U
2,6-Dinitrotoluene	170 U	87 UJ	77 U	2.0 U	3.0 U
2-Chloronaphthalene	170 U	58 UJ	51 U	1.0 U	1.0 U
2-Chlorophenol	170 U	64 U	56 U	2.0 U	3.0 U
2-Methylnaphthalene	88 U	58 UJ	51 U	0.50 U	0.70 U
2-Methylphenol	170 U	120 U	150	2.0 U	3.0 U
2-Nitroaniline	170 U	87 UJ	77 U	7.0 U	10 U
2-Nitrophenol	170 U	64 U	56 U	10 U	14 U
3&4-Methylphenol	2300	3800	2400	2.0 U	3.0 U
3,3-Dichlorobenzidine	1700 U	580 UJ	510 U	10 U	14 U
3-Nitroaniline	870 U	290 UJ	260 U	7.0 U	10 U
4,6-Dinitro-2-methylphenol	2600 UJ	870 UJ	770 U	21 U	30 U
4-Bromophenyl-phenylether	170 UJ	87 UJ	77 U	2.0 U	3.0 U
4-Chloro-3-methylphenol	170 U	R	56 U	2.0 U	3.0 U
4-Chloroaniline	350 U	290 UJ	260 U	10 U	14 U
4-Chlorophenyl-phenylether	170 UJ	64 UJ	56 U	2.0 U	3.0 U
4-Nitroaniline	870 U	R	260 U	3.0 U	4.0 U
4-Nitrophenol	R	870 U	770 U	30 U	43 U
Acenaphthene	88 U	29 UJ	26 U	0.50 U	0.70 U
Acenaphthylene	88 U	29 UJ	26 U	0.50 U	0.70 U
Acetophenone	170 U	52 J	260	10 U	14 U
Anthracene	88 UJ	29 UJ	26 U	0.50 U	0.70 U
Atrazine	870 UJ	290 UJ	260 U	5.0 U	7.0 U
Benzaldehyde	870 U	210 J	410	10 U	14 U
Benzo[a]anthracene	52 J	29 UJ	26 U	0.50 U	0.70 U
Benzo[a]pyrene	29 J	29 UJ	26 U	0.50 U	0.70 U
Benzo[b]fluoranthene	55 J	17 J	26 U	0.50 U	0.70 U
Benzo[g,h,i]perylene	88 UJ	29 UJ	26 U	0.50 U	0.70 U
Benzo[k]fluoranthene	24 J	10 J	26 U	0.50 U	0.70 U
Bis(2-Chloroethoxy)methane	170 U	64 UJ	56 U	2.0 U	3.0 U
Bis(2-Chloroethyl)Ether	170 U	87 UJ	77 U	2.0 U	3.0 U
Bis(2-chloroisopropyl)ether	170 U	64 UJ	56 U	2.0 U	3.0 U
Bis(2-Ethylhexyl)phthalate	920	980 J	3600	11 U	16 U
Butylbenzylphthalate	870 UJ	290 UJ	260 U	5.0 U	7.0 U
Caprolactam	870 U	290 UJ	260 U	11 U	16 U
Carbazole	170 UJ	64 UJ	56 U	2.0 U	3.0 U
Chrysene	59 J	29 UJ	26 U	0.50 U	0.70 U
Dibenzo[a,h]Anthracene	88 UJ	29 UJ	26 U	0.50 U	0.70 U
Dibenzofuran	170 U	64 UJ	56 U	2.0 U	3.0 U
Diethylphthalate	870 UJ	290 UJ	260 U	5.0 U	7.0 U
Dimethylphthalate	870 UJ	290 UJ	260 U	5.0 U	7.0 U
Di-n-butylphthalate	870 UJ	290 UJ	160 J	5.0 U	7.0 U
Di-n-octylphthalate	870 U	290 UJ	260 U	11 U	16 U
Fluoranthene	71 J	23 J	26 U	0.50 U	0.70 U
Fluorene	88 UJ	29 UJ	26 U	0.50 U	0.70 U
Hexachlorobenzene	88 UJ	29 UJ	26 U	0.50 U	0.70 U
Hexachlorobutadiene	170 U	87 UJ	77 U	2.0 U	3.0 U
Hexachlorocyclopentadiene	R	R	770 UJ	11 U	16 U
Hexachloroethane	870 U	290 UJ	260 U	5.0 U	7.0 U
Indeno[1,2,3-cd]pyrene	88 UJ	29 UJ	26 U	0.50 U	0.70 U
Isophorone	170 U	64 UJ	56 U	2.0 U	3.0 U
Naphthalene	170	61 U	74	0.50 U	0.70 U
Nitrobenzene	170 U	120 UJ	100 U	2.0 U	3.0 U
N-Nitroso-Di-N-Propylamine	170 U	87 UJ	77 U	3.0 U	4.0 U
N-Nitrosodiphenylamine	170 UJ	64 UJ	56 U	3.0 U	4.0 U
Pentachlorophenol	880 UJ	R	260 U	5.0 U	7.0 U
Phenanthrene	24 J	10 J	26 U	0.50 U	0.70 U
Phenol	150 J	87 U	4400	2.0 U	3.0 U
Pyrene	150 NJ	98 J	26 U	0.50 U	0.70 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Semi-volatile organic compounds (SVOCs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8270D by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "--" designates compound was not analyzed.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "UJ" designates compound is not detected at or above the estimated LOQ.
6. "R" designates result is rejected.
7. "J" designates result is considered estimated.
8. "NJ" designates compound is tentative in identification and is considered estimated.

Table 11
Sludge Sample Results
Pesticides
Taconic - Petersburgh, New York

Sample Location	SLDGUST6	SLDGUST5	
Sample ID	SLDGUST6 COMP 051818	SLDGUST5-090718	EB1-090718
Sample Date	5/18/2018	9/7/2018	9/7/2018
Compound			
4-4-DDD	15 U	26 U	0.095 U
4-4-DDE	15 U	26 U	0.095 U
4-4-DDT	15 U	26 U	0.095 U
a-BHC	7.2 U	13 U	0.048 U
Aldrin	7.2 U	13 U	0.048 U
alpha-Chlordane	7.2 U	13 U	0.048 U
b-BHC	8.7 UJ	15 U	0.048 U
d-BHC	7.8 UJ	15 U	0.048 U
Dieldrin	15 U	26 U	0.095 U
Endosulfan I	7.2 U	13 U	0.048 U
Endosulfan II	15 U	35 U	0.14 U
Endosulfan Sulfate	15 U	26 U	0.095 U
Endrin	15 U	26 U	0.095 U
Endrin Aldehyde	15 U	26 U	0.48 U
Endrin Ketone	16 U	31 U	0.095 U
Heptachlor	7.2 U	13 U	0.048 U
Heptachlor Epoxide	7.2 U	13 U	0.048 U
Lindane	7.2 U	18 U	0.048 U
Methoxychlor	58 U	100 U	0.48 U
Toxaphene	290 U	510 U	4.8 U
y-Chlordane	7.2 U	13 U	0.095 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Pesticides quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8081B by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "UJ" designates compound is not detected at or above the estimated LOQ.

Table 11
Sludge Sample Results
Polychlorinated Biphenyls
Taconic - Petersburgh, New York

Sample Location	SLDGUST6	SLDGUST5	
Sample ID	SLDGUST6 COMP 051818	SLDGUST5-090718	EB1-090718
Sample Date	5/18/2018	9/7/2018	9/7/2018
Compound			
PCB-1016	30 UJ	130 U	0.011 U
PCB-1221	30 U	130 U	0.011 U
PCB-1232	30 U	130 U	0.011 U
PCB-1242	30 U	130 U	0.011 U
PCB-1248	30 U	130 U	0.011 U
PCB-1254	30 U	130 U	0.011 U
PCB-1260	30 UJ	130 U	0.011 U
PCB-1262	30 U	130 U	0.011 U
PCB-1268	30 U	130 U	0.011 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Polychlorinated biphenyls (PCBs) quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 8082A by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
4. "UJ" designates compound is not detected at or above the estimated LOQ.

Table 11
Sludge Sample Results
Metals
Taconic - Petersburgh, New York

Sample Location / Sample ID / Sample Date / Compound	SLDGUST6 SLDGUST6 4/12/2018	SLDGUST6 SLDGUST6 COMP 051818 5/18/2018	SLDGUST5 SLDGUST5-090718 9/7/2018	EB051818 5/18/2018	EB1-090718 9/7/2018
Aluminum	494 J	1,250	663	200 U	300 U
Antimony	0.700 UJ	0.496 U	0.534 J	1.0 U	2.0 U
Arsenic	0.317 J	1.58	2.99	2.0 U	2.0 U
Barium	4.58	6.13	166	2.0 U	4.0 U
Beryllium	0.0339 J	0.0714 J	0.0649 J	0.50 U	0.50 U
Cadmium	0.350 U	0.248 U	2.11	0.50 U	1.0 U
Calcium	668	788	2,890	78.7 J	43.2 J
Chromium	11.3 J	19	12	2.0 U	4.0 U
Cobalt	5.96 J	7	4.21 J	5.0 U	5.0 U
Copper	39.6 J	45	280	1.2 J	40 U
Cyanide (Amenable)	0.87 U	0.89 U	0.43 J	10 U	10 U
Iron	890 J	2,480	64,900	200 U	200 U
Lead	0.695 J	2.55	5.1	1.0 U	3.0 U
Magnesium	896 J	6,280	260	100 U	100 U
Manganese	35.8 J	113	553	1.3 J	10 U
Mercury	0.172 U	0.173 U	0.199 U	0.20 U	0.20 U
Nickel	5.34	5.19	13.7	10 U	10 U
Potassium	173 J	240	83.9 J	500 U	500 U
Selenium	1.40 U	0.992 U	1 U	2.0 U	2.0 U
Silver	0.350 U	0.248 U	0.0973 J	0.50 U	0.50 U
Sodium	189 J	80.4 J	7,850	1000 U	1000 U
Thallium	0.350 U	0.248 U	0.25 U	0.50 U	0.50 U
Vanadium	2.04	4.53	5.68	5.0 U	10 U
Zinc	15	24.6	973	20 U	20 U

Notes:

1. Results are in micrograms per kilogram (ug/kg), except equipment blank (EB) results which are in micrograms per liter (ug/L).
2. Metals, cyanide and mercury quantitated using United States Environmental Protection Agency (USEPA) SW-846 Methods 6010C and 6020A, 9012B, and 7471B, respectively, by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.
3. "J" designates result is considered estimated.
4. "U" designates compound was not detected at or above the Limit of Quantitation (LOQ).
5. "UJ" designates compound is not detected at or above the estimated LOQ.

Table 11
Sludge Sample Results
pH
Taconic - Petersburgh, New York

Sample Location	SLDGUST6	SLDGUST6	SLDGUST5		
Sample ID	SLDGUST6	SLDGUST6 COMP 051818	SLDGUST5-090718	EB051818	EB1-090718
Sample Date	4/12/2018	5/18/2018	9/7/2018	5/18/2018	9/7/2018
Analysis					
pH	5.58	7.07	5.8	5.9	5.4

Notes:

1. Results are in Standard Units (SU).
2. pH quantitated using United States Environmental Protection Agency (USEPA) SW-846 Method 9045 by Eurofins Lancaster Laboratories Environmental, LLC of Lancaster, Pennsylvania.