

Brandywine Creek  
River Mile 7.85

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 14:00	Alkalinity, Total		117	mg/LCaCO3	7.05	EPA-310.2
8/6/2025 9:34	Alkalinity, Total		172	mg/LCaCO3	7.05	EPA-310.2
8/13/2025 10:35	Alkalinity, Total		105	mg/LCaCO3	9.88	EPA-310.2
8/20/2025 11:28	Alkalinity, Total		110	mg/LCaCO3	9.88	EPA-310.2
8/27/2025 11:25	Alkalinity, Total		125	mg/LCaCO3	9.88	EPA-310.2
7/30/2025 14:00	Aluminum, Total	J	146	ug/L	45.8	EPA-200.8
8/6/2025 9:34	Aluminum, Total	J	169	ug/L	45.8	EPA-200.8
8/13/2025 10:35	Aluminum, Total	J	132	ug/L	45.8	EPA-200.8
8/20/2025 11:28	Aluminum, Total	J	135	ug/L	45.8	EPA-200.8
8/27/2025 11:25	Aluminum, Total		399	ug/L	45.8	EPA-200.8
7/30/2025 14:00	Ammonia, Total	J	0.028	mg/L	0.024	EPA-350.1 (G)
8/6/2025 9:34	Ammonia, Total		0.061	mg/L	0.024	EPA-350.1 (G)
8/13/2025 10:35	Ammonia, Total	<	0.024	mg/L	0.024	EPA-350.1 (G)
8/20/2025 11:28	Ammonia, Total	<	0.024	mg/L	0.024	EPA-350.1 (G)
8/27/2025 11:25	Ammonia, Total	J	0.047	mg/L	0.024	EPA-350.1 (G)
7/30/2025 14:00	Antimony, Total	J	0.274	ug/L	0.215	EPA-200.8
8/6/2025 9:34	Antimony, Total	<	0.215	ug/L	0.215	EPA-200.8
8/13/2025 10:35	Antimony, Total	J	0.356	ug/L	0.215	EPA-200.8
8/20/2025 11:28	Antimony, Total	J	0.324	ug/L	0.215	EPA-200.8
8/27/2025 11:25	Antimony, Total	J	0.372	ug/L	0.215	EPA-200.8
7/30/2025 14:00	Arsenic, Total	J	4.05	ug/L	0.585	EPA-200.8
8/6/2025 9:34	Arsenic, Total	J	2.78	ug/L	0.585	EPA-200.8
8/13/2025 10:35	Arsenic, Total	J	4.4	ug/L	0.585	EPA-200.8
8/20/2025 11:28	Arsenic, Total	J	3.74	ug/L	0.585	EPA-200.8
8/27/2025 11:25	Arsenic, Total	J	4.97	ug/L	0.585	EPA-200.8
7/30/2025 14:00	Barium, Total		30.8	ug/L	0.605	EPA-200.8
8/6/2025 9:34	Barium, Total		58.4	ug/L	0.605	EPA-200.8
8/13/2025 10:35	Barium, Total		30.5	ug/L	0.605	EPA-200.8
8/20/2025 11:28	Barium, Total		29.7	ug/L	0.605	EPA-200.8
8/27/2025 11:25	Barium, Total		40.4	ug/L	0.605	EPA-200.8
7/30/2025 14:00	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/6/2025 9:34	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/13/2025 10:35	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/20/2025 11:28	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/27/2025 11:25	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8

Brandywine Creek  
River Mile 7.85

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 14:00	BOD, Total		3.2	mg/L	2	SM5210 B
8/6/2025 9:34	BOD, Total		2.7	mg/L	2	SM5210 B
8/13/2025 10:35	BOD, Total		3.4	mg/L	2	SM5210 B
8/20/2025 11:28	BOD, Total		3	mg/L	2	SM5210 B
8/27/2025 11:25	BOD, Total		3.1	mg/L	2	SM5210 B
7/30/2025 14:00	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/6/2025 9:34	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/13/2025 10:35	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/20/2025 11:28	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/27/2025 11:25	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
7/30/2025 14:00	Calcium, Total		35200	ug/L	215	EPA-200.8
8/6/2025 9:34	Calcium, Total		64800	ug/L	215	EPA-200.8
8/13/2025 10:35	Calcium, Total		33000	ug/L	215	EPA-200.8
8/20/2025 11:28	Calcium, Total		34300	ug/L	215	EPA-200.8
8/27/2025 11:25	Calcium, Total		43500	ug/L	215	EPA-200.8
7/30/2025 14:00	Chloride		130	mg/L	0.387	EPA 300.0
8/6/2025 9:34	Chloride		339	mg/L	0.774	EPA 300.0
8/13/2025 10:35	Chloride		81.9	mg/L	0.387	EPA 300.0
8/20/2025 11:28	Chloride		99.5	mg/L	0.387	EPA 300.0
8/27/2025 11:25	Chloride		113	mg/L	0.387	EPA 300.0
7/30/2025 14:00	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/6/2025 9:34	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/13/2025 10:35	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/20/2025 11:28	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/27/2025 11:25	Chromium, Total	J	6.93	ug/L	6.85	EPA-200.8
7/30/2025 14:00	Cobalt, Total	<	0.185	ug/L	0.185	EPA-200.8
8/6/2025 9:34	Cobalt, Total	J	0.188	ug/L	0.185	EPA-200.8
8/13/2025 10:35	Cobalt, Total	J	0.187	ug/L	0.185	EPA-200.8
8/20/2025 11:28	Cobalt, Total	<	0.185	ug/L	0.185	EPA-200.8
8/27/2025 11:25	Cobalt, Total	J	0.547	ug/L	0.185	EPA-200.8
7/30/2025 14:00	COD, Total	J	19.6	mg/L	16.6	EPA 410.4
8/6/2025 9:34	COD, Total	<	16.6	mg/L	16.6	EPA 410.4
8/13/2025 10:35	COD, Total	J	22.6	mg/L	16.6	EPA 410.4
8/20/2025 11:28	COD, Total	<	16.6	mg/L	16.6	EPA 410.4

Brandywine Creek  
River Mile 7.85

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/27/2025 11:25	COD, Total	J	18.5	mg/L	16.6	EPA 410.4
7/30/2025 14:00	Conductivity		760	UMHOS/CM		SM 2510A
8/6/2025 9:34	Conductivity		1384	UMHOS/CM		SM 2510A
8/13/2025 10:35	Conductivity		573	UMHOS/CM		SM 2510A
8/20/2025 11:28	Conductivity		629	UMHOS/CM		SM 2510A
8/27/2025 11:25	Conductivity		625	UMHOS/CM		SM 2510A
7/30/2025 14:00	Specific Conductance		703	UMHOS/CM		SM 2510B
8/6/2025 9:34	Specific Conductance		1506	UMHOS/CM		SM 2510B
8/13/2025 10:35	Specific Conductance		539	UMHOS/CM		SM 2510B
8/20/2025 11:28	Specific Conductance		622	UMHOS/CM		SM 2510B
8/27/2025 11:25	Specific Conductance		675	UMHOS/CM		SM 2510B
7/30/2025 14:00	Copper, Total	J	1.83	ug/L	0.45	EPA-200.8
8/6/2025 9:34	Copper, Total	J	2.32	ug/L	0.45	EPA-200.8
8/13/2025 10:35	Copper, Total	J	3.12	ug/L	0.45	EPA-200.8
8/20/2025 11:28	Copper, Total	J	2.15	ug/L	0.45	EPA-200.8
8/27/2025 11:25	Copper, Total	J	3.27	ug/L	0.45	EPA-200.8
7/30/2025 14:00	Dissolved Oxygen		108	%		N/A
8/6/2025 9:34	Dissolved Oxygen		65	%		N/A
8/13/2025 10:35	Dissolved Oxygen		96	%		N/A
8/20/2025 11:28	Dissolved Oxygen		84	%		N/A
8/27/2025 11:25	Dissolved Oxygen		100	%		N/A
7/30/2025 14:00	Dissolved Oxygen		8.2	mg/L		SM 4500-O G
8/6/2025 9:34	Dissolved Oxygen		5.8	mg/L		SM 4500-O G
8/13/2025 10:35	Dissolved Oxygen		7.5	mg/L		SM 4500-O G
8/20/2025 11:28	Dissolved Oxygen		6.8	mg/L		SM 4500-O G
8/27/2025 11:25	Dissolved Oxygen		8.9	mg/L		SM 4500-O G
7/30/2025 14:00	Escherichia coli		1046	MPN/100 mL	1	SM9223 Colilert
8/6/2025 9:34	Escherichia coli		1203	MPN/100 mL	1	SM9223 Colilert
8/13/2025 10:35	Escherichia coli		488	MPN/100 mL	1	SM9223 Colilert
8/20/2025 11:28	Escherichia coli		172	MPN/100 mL	1	SM9223 Colilert
8/27/2025 11:25	Escherichia coli		411	MPN/100 mL	1	SM9223 Colilert
7/30/2025 14:00	Hardness, Total		116	mg/LCaCO3		EPA-200.8
8/6/2025 9:34	Hardness, Total		216	mg/LCaCO3		EPA-200.8
8/13/2025 10:35	Hardness, Total		111	mg/LCaCO3		EPA-200.8

Brandywine Creek  
River Mile 7.85

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8/20/2025 11:28	Hardness, Total		116	mg/LCaCO3		EPA-200.8
8/27/2025 11:25	Hardness, Total		148	mg/LCaCO3		EPA-200.8
7/30/2025 14:00	Iron, Total	J	476	ug/L	168	EPA-200.8
8/6/2025 9:34	Iron, Total		742	ug/L	168	EPA-200.8
8/13/2025 10:35	Iron, Total		691	ug/L	168	EPA-200.8
8/20/2025 11:28	Iron, Total		522	ug/L	168	EPA-200.8
8/27/2025 11:25	Iron, Total		1340	ug/L	168	EPA-200.8
7/30/2025 14:00	Lead, Total	J	0.332	ug/L	0.295	EPA-200.8
8/6/2025 9:34	Lead, Total	J	0.35	ug/L	0.295	EPA-200.8
8/13/2025 10:35	Lead, Total	J	0.661	ug/L	0.295	EPA-200.8
8/20/2025 11:28	Lead, Total	J	0.42	ug/L	0.295	EPA-200.8
8/27/2025 11:25	Lead, Total	J	1.34	ug/L	0.295	EPA-200.8
7/30/2025 14:00	Magnesium, Total		6890	ug/L	41	EPA-200.8
8/6/2025 9:34	Magnesium, Total		13200	ug/L	41	EPA-200.8
8/13/2025 10:35	Magnesium, Total		6860	ug/L	41	EPA-200.8
8/20/2025 11:28	Magnesium, Total		7390	ug/L	41	EPA-200.8
8/27/2025 11:25	Magnesium, Total		9550	ug/L	41	EPA-200.8
7/30/2025 14:00	Manganese, Total		60.2	ug/L	0.335	EPA-200.8
8/6/2025 9:34	Manganese, Total		116	ug/L	0.335	EPA-200.8
8/13/2025 10:35	Manganese, Total		99.2	ug/L	0.335	EPA-200.8
8/20/2025 11:28	Manganese, Total		63.9	ug/L	0.335	EPA-200.8
8/27/2025 11:25	Manganese, Total		90.6	ug/L	0.335	EPA-200.8
7/30/2025 14:00	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/6/2025 9:34	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/13/2025 10:35	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/20/2025 11:28	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/27/2025 11:25	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
7/30/2025 14:00	Molybdenum, Total	J	1.92	ug/L	0.12	EPA-200.8
8/6/2025 9:34	Molybdenum, Total		2	ug/L	0.12	EPA-200.8
8/13/2025 10:35	Molybdenum, Total		2.16	ug/L	0.12	EPA-200.8
8/20/2025 11:28	Molybdenum, Total		2.06	ug/L	0.12	EPA-200.8
8/27/2025 11:25	Molybdenum, Total		2.39	ug/L	0.12	EPA-200.8
7/30/2025 14:00	Nickel, Total	J	0.941	ug/L	0.265	EPA-200.8
8/6/2025 9:34	Nickel, Total	J	1.2	ug/L	0.265	EPA-200.8

Brandywine Creek  
River Mile 7.85

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8/13/2025 10:35	Nickel, Total	J	1.18	ug/L	0.265	EPA-200.8
8/20/2025 11:28	Nickel, Total	J	1.02	ug/L	0.265	EPA-200.8
8/27/2025 11:25	Nickel, Total		2.16	ug/L	0.265	EPA-200.8
7/30/2025 14:00	Nitrite - Nitrate, Total		0.194	mg/L	0.024	ASTM D7781
8/6/2025 9:34	Nitrite - Nitrate, Total		0.693	mg/L	0.024	ASTM D7781
8/13/2025 10:35	Nitrite - Nitrate, Total	J	0.04	mg/L	0.024	ASTM D7781
8/27/2025 11:25	Nitrite - Nitrate, Total		0.195	mg/L	0.024	ASTM D7781
7/30/2025 14:00	pH		8.4	S.U.		N/A
8/6/2025 9:34	pH		7.7	S.U.		N/A
8/13/2025 10:35	pH		8.6	S.U.		N/A
8/20/2025 11:28	pH		8	S.U.		N/A
8/27/2025 11:25	pH		8.1	S.U.		N/A
7/30/2025 14:00	Phosphorus, Diss. Reactive	<	0.014	mg/L	0.014	EPA 365.1
8/6/2025 9:34	Phosphorus, Diss. Reactive		0.0456	mg/L	0.014	EPA 365.1
8/13/2025 10:35	Phosphorus, Diss. Reactive	<	0.014	mg/L	0.014	EPA 365.1
8/20/2025 11:28	Phosphorus, Diss. Reactive	J	0.0177	mg/L	0.014	EPA 365.1
8/27/2025 11:25	Phosphorus, Diss. Reactive	<	0.014	mg/L	0.014	EPA 365.1
7/30/2025 14:00	Phosphorus, Total		0.047	mg/L	0.0135	EPA 365.1
8/6/2025 9:34	Phosphorus, Total		0.036	mg/L	0.0135	EPA 365.1
8/13/2025 10:35	Phosphorus, Total		0.063	mg/L	0.0135	EPA 365.1
8/20/2025 11:28	Phosphorus, Total		0.058	mg/L	0.0135	EPA 365.1
8/27/2025 11:25	Phosphorus, Total		0.05	mg/L	0.0135	EPA 365.1
7/30/2025 14:00	Potassium, Total	J	3600	ug/L	735	EPA-200.8
8/6/2025 9:34	Potassium, Total	J	3720	ug/L	735	EPA-200.8
8/13/2025 10:35	Potassium, Total	J	3700	ug/L	735	EPA-200.8
8/20/2025 11:28	Potassium, Total	J	3580	ug/L	735	EPA-200.8
8/27/2025 11:25	Potassium, Total	J	4110	ug/L	735	EPA-200.8
7/30/2025 14:00	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/6/2025 9:34	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/13/2025 10:35	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/20/2025 11:28	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/27/2025 11:25	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
7/30/2025 14:00	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/6/2025 9:34	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8

Brandywine Creek  
River Mile 7.85

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8/13/2025 10:35	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/20/2025 11:28	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/27/2025 11:25	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
7/30/2025 14:00	Sodium, Total		73100	ug/L	130	EPA-200.8
8/6/2025 9:34	Sodium, Total		207000	ug/L	130	EPA-200.8
8/13/2025 10:35	Sodium, Total		57100	ug/L	130	EPA-200.8
8/20/2025 11:28	Sodium, Total		68100	ug/L	130	EPA-200.8
8/27/2025 11:25	Sodium, Total		88200	ug/L	130	EPA-200.8
7/30/2025 14:00	Strontium, Total		416	ug/L	0.185	EPA-200.8
8/6/2025 9:34	Strontium, Total		899	ug/L	0.185	EPA-200.8
8/13/2025 10:35	Strontium, Total		395	ug/L	0.185	EPA-200.8
8/20/2025 11:28	Strontium, Total		419	ug/L	0.185	EPA-200.8
8/27/2025 11:25	Strontium, Total		514	ug/L	0.185	EPA-200.8
7/30/2025 14:00	Sulfate		24.7	mg/L	0.94	EPA 300.0
8/6/2025 9:34	Sulfate		52.1	mg/L	1.88	EPA 300.0
8/13/2025 10:35	Sulfate		20.4	mg/L	0.94	EPA 300.0
8/20/2025 11:28	Sulfate		24	mg/L	0.94	EPA 300.0
8/27/2025 11:25	Sulfate		27	mg/L	0.94	EPA 300.0
7/30/2025 14:00	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/6/2025 9:34	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/13/2025 10:35	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/20/2025 11:28	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/27/2025 11:25	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
7/30/2025 14:00	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/6/2025 9:34	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/13/2025 10:35	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/20/2025 11:28	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/27/2025 11:25	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
7/30/2025 14:00	Titanium, Total	J	2.49	ug/L	0.945	EPA-200.8
8/6/2025 9:34	Titanium, Total	J	3.71	ug/L	0.945	EPA-200.8
8/13/2025 10:35	Titanium, Total	J	2.99	ug/L	0.945	EPA-200.8
8/20/2025 11:28	Titanium, Total	J	2.24	ug/L	0.945	EPA-200.8
8/27/2025 11:25	Titanium, Total	J	7.78	ug/L	0.945	EPA-200.8
7/30/2025 14:00	Total Dissolved Solids		366	mg/L	5	SM2540 C

Brandywine Creek  
River Mile 7.85

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8/6/2025 9:34	Total Dissolved Solids		846	mg/L	5	SM2540 C
8/13/2025 10:35	Total Dissolved Solids		290	mg/L	5	SM2540 C
8/20/2025 11:28	Total Dissolved Solids		326	mg/L	5	SM2540 C
8/27/2025 11:25	Total Dissolved Solids		470	mg/L	5	SM2540 C
7/30/2025 14:00	Total Kjeldahl Nitrogen	J	0.684	mg/L	0.342	EPA351.2 (G)
8/6/2025 9:34	Total Kjeldahl Nitrogen	J	0.643	mg/L	0.342	EPA351.2 (G)
8/13/2025 10:35	Total Kjeldahl Nitrogen		0.876	mg/L	0.342	EPA351.2 (G)
8/20/2025 11:28	Total Kjeldahl Nitrogen		0.806	mg/L	0.342	EPA351.2 (G)
8/27/2025 11:25	Total Kjeldahl Nitrogen		0.911	mg/L	0.342	EPA351.2 (G)
7/30/2025 14:00	Total Solids		378	mg/L	18.8	SM2540 B
8/6/2025 9:34	Total Solids		864	mg/L	18.8	SM2540 B
8/13/2025 10:35	Total Solids		302	mg/L	18.8	SM2540 B
8/20/2025 11:28	Total Solids		350	mg/L	18.8	SM2540 B
8/27/2025 11:25	Total Solids		438	mg/L	18.8	SM2540 B
7/30/2025 14:00	Total Suspended Solids		9	mg/L	1.4	SM2540 D
8/6/2025 9:34	Total Suspended Solids		29.7	mg/L	1.4	SM2540 D
8/13/2025 10:35	Total Suspended Solids		14.2	mg/L	1.7	SM2540 D
8/20/2025 11:28	Total Suspended Solids		7.1	mg/L	1.1	SM2540 D
8/27/2025 11:25	Total Suspended Solids		56.6	mg/L	1.7	SM2540 D
7/30/2025 14:00	Turbidity		5.5	NTU	0.4	EPA 180.1
8/6/2025 9:34	Turbidity		5.2	NTU	0.4	EPA 180.1
8/13/2025 10:35	Turbidity		20.2	NTU	0.4	EPA 180.1
8/20/2025 11:28	Turbidity		5.9	NTU	0.4	EPA 180.1
8/27/2025 11:25	Turbidity		24.8	NTU	0.4	EPA 180.1
7/30/2025 14:00	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/6/2025 9:34	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/13/2025 10:35	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/20/2025 11:28	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/27/2025 11:25	Vanadium, Total	J	14.9	ug/L	8.5	EPA-200.8
7/30/2025 14:00	Water Temperature		29.24	°C		EPA 170.1
8/6/2025 9:34	Water Temperature		20.75	°C		EPA 170.1
8/13/2025 10:35	Water Temperature		23.24	°C		EPA 170.1
8/20/2025 11:28	Water Temperature		25.61	°C		EPA 170.1
8/27/2025 11:25	Water Temperature		21.1	°C		EPA 170.1

Brandywine Creek  
River Mile 7.85

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 14:00	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/6/2025 9:34	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/13/2025 10:35	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/20/2025 11:28	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/27/2025 11:25	Zinc, Total	J	9.12	ug/L	7.2	EPA-200.8

## Brandywine Creek

River Mile 5.80

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 13:20	Alkalinity, Total		136	mg/LCaCO3	7.05	EPA-310.2
8/6/2025 10:10	Alkalinity, Total		147	mg/LCaCO3	7.05	EPA-310.2
8/13/2025 10:12	Alkalinity, Total		114	mg/LCaCO3	9.88	EPA-310.2
8/20/2025 11:50	Alkalinity, Total		108	mg/LCaCO3	9.88	EPA-310.2
8/27/2025 11:47	Alkalinity, Total		138	mg/LCaCO3	9.88	EPA-310.2
7/30/2025 13:20	Aluminum, Total	J	128	ug/L	45.8	EPA-200.8
8/6/2025 10:10	Aluminum, Total		697	ug/L	45.8	EPA-200.8
8/13/2025 10:12	Aluminum, Total		344	ug/L	45.8	EPA-200.8
8/20/2025 11:50	Aluminum, Total		3110	ug/L	45.8	EPA-200.8
8/27/2025 11:47	Aluminum, Total	J	106	ug/L	45.8	EPA-200.8
7/30/2025 13:20	Ammonia, Total	<	0.024	mg/L	0.024	EPA-350.1 (G)
8/6/2025 10:10	Ammonia, Total	J	0.046	mg/L	0.024	EPA-350.1 (G)
8/13/2025 10:12	Ammonia, Total	<	0.024	mg/L	0.024	EPA-350.1 (G)
8/20/2025 11:50	Ammonia, Total		0.06	mg/L	0.024	EPA-350.1 (G)
8/27/2025 11:47	Ammonia, Total		0.058	mg/L	0.024	EPA-350.1 (G)
7/30/2025 13:20	Antimony, Total	<	0.215	ug/L	0.215	EPA-200.8
8/6/2025 10:10	Antimony, Total	<	0.215	ug/L	0.215	EPA-200.8
8/13/2025 10:12	Antimony, Total	J	0.334	ug/L	0.215	EPA-200.8
8/20/2025 11:50	Antimony, Total	J	0.287	ug/L	0.215	EPA-200.8
8/27/2025 11:47	Antimony, Total	J	0.285	ug/L	0.215	EPA-200.8
7/30/2025 13:20	Arsenic, Total	J	2.58	ug/L	0.585	EPA-200.8
8/6/2025 10:10	Arsenic, Total	J	3.97	ug/L	0.585	EPA-200.8
8/13/2025 10:12	Arsenic, Total	J	4.02	ug/L	0.585	EPA-200.8
8/20/2025 11:50	Arsenic, Total	J	4.16	ug/L	0.585	EPA-200.8
8/27/2025 11:47	Arsenic, Total	J	2.29	ug/L	0.585	EPA-200.8
7/30/2025 13:20	Barium, Total		35	ug/L	0.605	EPA-200.8
8/6/2025 10:10	Barium, Total		52.8	ug/L	0.605	EPA-200.8
8/13/2025 10:12	Barium, Total		37.6	ug/L	0.605	EPA-200.8
8/20/2025 11:50	Barium, Total		69.9	ug/L	0.605	EPA-200.8
8/27/2025 11:47	Barium, Total		39.3	ug/L	0.605	EPA-200.8
7/30/2025 13:20	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/6/2025 10:10	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/13/2025 10:12	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/20/2025 11:50	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/27/2025 11:47	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8

## Brandywine Creek

River Mile 5.80

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 13:20	BOD, Total	<	2	mg/L	2	SM5210 B
8/6/2025 10:10	BOD, Total		3	mg/L	2	SM5210 B
8/13/2025 10:12	BOD, Total		2.3	mg/L	2	SM5210 B
8/20/2025 11:50	BOD, Total		2.2	mg/L	2	SM5210 B
8/27/2025 11:47	BOD, Total	<	2	mg/L	2	SM5210 B
7/30/2025 13:20	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/6/2025 10:10	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/13/2025 10:12	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/20/2025 11:50	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/27/2025 11:47	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
7/30/2025 13:20	Calcium, Total		37800	ug/L	215	EPA-200.8
8/6/2025 10:10	Calcium, Total		49700	ug/L	215	EPA-200.8
8/13/2025 10:12	Calcium, Total		39900	ug/L	215	EPA-200.8
8/20/2025 11:50	Calcium, Total		38900	ug/L	215	EPA-200.8
8/27/2025 11:47	Calcium, Total		46700	ug/L	215	EPA-200.8
7/30/2025 13:20	Chloride		161	mg/L	0.774	EPA 300.0
8/6/2025 10:10	Chloride		193	mg/L	0.387	EPA 300.0
8/13/2025 10:12	Chloride		101	mg/L	0.387	EPA 300.0
8/20/2025 11:50	Chloride		147	mg/L	0.387	EPA 300.0
8/27/2025 11:47	Chloride		158	mg/L	0.387	EPA 300.0
7/30/2025 13:20	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/6/2025 10:10	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/13/2025 10:12	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/20/2025 11:50	Chromium, Total	J	8.36	ug/L	6.85	EPA-200.8
8/27/2025 11:47	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
7/30/2025 13:20	Cobalt, Total	<	0.185	ug/L	0.185	EPA-200.8
8/6/2025 10:10	Cobalt, Total	J	0.954	ug/L	0.185	EPA-200.8
8/13/2025 10:12	Cobalt, Total	J	0.448	ug/L	0.185	EPA-200.8
8/20/2025 11:50	Cobalt, Total		2.55	ug/L	0.185	EPA-200.8
8/27/2025 11:47	Cobalt, Total	J	0.195	ug/L	0.185	EPA-200.8
7/30/2025 13:20	COD, Total	<	16.6	mg/L	16.6	EPA 410.4
8/6/2025 10:10	COD, Total	J	22.3	mg/L	16.6	EPA 410.4
8/13/2025 10:12	COD, Total	J	23.7	mg/L	16.6	EPA 410.4
8/20/2025 11:50	COD, Total	J	23.1	mg/L	16.6	EPA 410.4

## Brandywine Creek

River Mile 5.80

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/27/2025 11:47	COD, Total	<	16.6	mg/L	16.6	EPA 410.4
7/30/2025 13:20	Conductivity		845	UMHOS/CM		SM 2510A
8/6/2025 10:10	Conductivity		889	UMHOS/CM		SM 2510A
8/13/2025 10:12	Conductivity		642	UMHOS/CM		SM 2510A
8/20/2025 11:50	Conductivity		762	UMHOS/CM		SM 2510A
8/27/2025 11:47	Conductivity		713	UMHOS/CM		SM 2510A
7/30/2025 13:20	Specific Conductance		834	UMHOS/CM		SM 2510B
8/6/2025 10:10	Specific Conductance		966	UMHOS/CM		SM 2510B
8/13/2025 10:12	Specific Conductance		626	UMHOS/CM		SM 2510B
8/20/2025 11:50	Specific Conductance		798	UMHOS/CM		SM 2510B
8/27/2025 11:47	Specific Conductance		835	UMHOS/CM		SM 2510B
7/30/2025 13:20	Copper, Total	J	1.73	ug/L	0.45	EPA-200.8
8/6/2025 10:10	Copper, Total	J	4.11	ug/L	0.45	EPA-200.8
8/13/2025 10:12	Copper, Total	J	3.52	ug/L	0.45	EPA-200.8
8/20/2025 11:50	Copper, Total	J	6.7	ug/L	0.45	EPA-200.8
8/27/2025 11:47	Copper, Total	J	1.8	ug/L	0.45	EPA-200.8
7/30/2025 13:20	Dissolved Oxygen		79	%		N/A
8/6/2025 10:10	Dissolved Oxygen		64	%		N/A
8/13/2025 10:12	Dissolved Oxygen		79	%		N/A
8/20/2025 11:50	Dissolved Oxygen		70	%		N/A
8/27/2025 11:47	Dissolved Oxygen		81	%		N/A
7/30/2025 13:20	Dissolved Oxygen		6.4	mg/L		SM 4500-O G
8/6/2025 10:10	Dissolved Oxygen		5.7	mg/L		SM 4500-O G
8/13/2025 10:12	Dissolved Oxygen		6.4	mg/L		SM 4500-O G
8/20/2025 11:50	Dissolved Oxygen		6.1	mg/L		SM 4500-O G
8/27/2025 11:47	Dissolved Oxygen		7.8	mg/L		SM 4500-O G
7/30/2025 13:20	Escherichia coli		236	MPN/100 mL	1	SM9223 Colilert
8/6/2025 10:10	Escherichia coli		579	MPN/100 mL	1	SM9223 Colilert
8/13/2025 10:12	Escherichia coli		2420	MPN/100 mL	1	SM9223 Colilert
8/20/2025 11:50	Escherichia coli		2420	MPN/100 mL	1	SM9223 Colilert
8/27/2025 11:47	Escherichia coli		816	MPN/100 mL	1	SM9223 Colilert
7/30/2025 13:20	Hardness, Total		127	mg/LCaCO3		EPA-200.8
8/6/2025 10:10	Hardness, Total		171	mg/LCaCO3		EPA-200.8
8/13/2025 10:12	Hardness, Total		135	mg/LCaCO3		EPA-200.8

## Brandywine Creek

River Mile 5.80

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/20/2025 11:50	Hardness, Total		136	mg/LCaCO3		EPA-200.8
8/27/2025 11:47	Hardness, Total		162	mg/LCaCO3		EPA-200.8
7/30/2025 13:20	Iron, Total		1400	ug/L	168	EPA-200.8
8/6/2025 10:10	Iron, Total		2980	ug/L	168	EPA-200.8
8/13/2025 10:12	Iron, Total		1370	ug/L	168	EPA-200.8
8/20/2025 11:50	Iron, Total		5290	ug/L	168	EPA-200.8
8/27/2025 11:47	Iron, Total		1100	ug/L	168	EPA-200.8
7/30/2025 13:20	Lead, Total	J	0.481	ug/L	0.295	EPA-200.8
8/6/2025 10:10	Lead, Total		2.19	ug/L	0.295	EPA-200.8
8/13/2025 10:12	Lead, Total	J	1.07	ug/L	0.295	EPA-200.8
8/20/2025 11:50	Lead, Total		6.02	ug/L	0.295	EPA-200.8
8/27/2025 11:47	Lead, Total	J	0.354	ug/L	0.295	EPA-200.8
7/30/2025 13:20	Magnesium, Total		8000	ug/L	41	EPA-200.8
8/6/2025 10:10	Magnesium, Total		11400	ug/L	41	EPA-200.8
8/13/2025 10:12	Magnesium, Total		8680	ug/L	41	EPA-200.8
8/20/2025 11:50	Magnesium, Total		9450	ug/L	41	EPA-200.8
8/27/2025 11:47	Magnesium, Total		11000	ug/L	41	EPA-200.8
7/30/2025 13:20	Manganese, Total		143	ug/L	0.335	EPA-200.8
8/6/2025 10:10	Manganese, Total		375	ug/L	0.335	EPA-200.8
8/13/2025 10:12	Manganese, Total		153	ug/L	0.335	EPA-200.8
8/20/2025 11:50	Manganese, Total		232	ug/L	0.335	EPA-200.8
8/27/2025 11:47	Manganese, Total		103	ug/L	0.335	EPA-200.8
7/30/2025 13:20	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/6/2025 10:10	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/13/2025 10:12	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/20/2025 11:50	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/27/2025 11:47	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
7/30/2025 13:20	Molybdenum, Total		2.26	ug/L	0.12	EPA-200.8
8/6/2025 10:10	Molybdenum, Total	J	1.89	ug/L	0.12	EPA-200.8
8/13/2025 10:12	Molybdenum, Total		2.32	ug/L	0.12	EPA-200.8
8/20/2025 11:50	Molybdenum, Total	J	1.94	ug/L	0.12	EPA-200.8
8/27/2025 11:47	Molybdenum, Total		2.24	ug/L	0.12	EPA-200.8
7/30/2025 13:20	Nickel, Total	J	1.91	ug/L	0.265	EPA-200.8
8/6/2025 10:10	Nickel, Total		2.63	ug/L	0.265	EPA-200.8

## Brandywine Creek

River Mile 5.80

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/13/2025 10:12	Nickel, Total	J	1.8	ug/L	0.265	EPA-200.8
8/20/2025 11:50	Nickel, Total		6.33	ug/L	0.265	EPA-200.8
8/27/2025 11:47	Nickel, Total	J	1.24	ug/L	0.265	EPA-200.8
7/30/2025 13:20	Nitrite - Nitrate, Total		0.113	mg/L	0.024	ASTM D7781
8/6/2025 10:10	Nitrite - Nitrate, Total		0.087	mg/L	0.024	ASTM D7781
8/13/2025 10:12	Nitrite - Nitrate, Total		0.099	mg/L	0.024	ASTM D7781
8/27/2025 11:47	Nitrite - Nitrate, Total		0.165	mg/L	0.024	ASTM D7781
7/30/2025 13:20	pH		7.5	S.U.		N/A
8/6/2025 10:10	pH		7.5	S.U.		N/A
8/13/2025 10:12	pH		7.8	S.U.		N/A
8/20/2025 11:50	pH		7.6	S.U.		N/A
8/27/2025 11:47	pH		7.7	S.U.		N/A
7/30/2025 13:20	Phosphorus, Diss. Reactive		0.0336	mg/L	0.014	EPA 365.1
8/6/2025 10:10	Phosphorus, Diss. Reactive	J	0.021	mg/L	0.014	EPA 365.1
8/13/2025 10:12	Phosphorus, Diss. Reactive	J	0.0142	mg/L	0.014	EPA 365.1
8/20/2025 11:50	Phosphorus, Diss. Reactive		0.031	mg/L	0.014	EPA 365.1
8/27/2025 11:47	Phosphorus, Diss. Reactive	J	0.016	mg/L	0.014	EPA 365.1
7/30/2025 13:20	Phosphorus, Total		0.061	mg/L	0.0135	EPA 365.1
8/6/2025 10:10	Phosphorus, Total		0.114	mg/L	0.0135	EPA 365.1
8/13/2025 10:12	Phosphorus, Total		0.086	mg/L	0.0135	EPA 365.1
8/20/2025 11:50	Phosphorus, Total		0.173	mg/L	0.0135	EPA 365.1
8/27/2025 11:47	Phosphorus, Total		0.042	mg/L	0.0135	EPA 365.1
7/30/2025 13:20	Potassium, Total	J	3000	ug/L	735	EPA-200.8
8/6/2025 10:10	Potassium, Total	J	3260	ug/L	735	EPA-200.8
8/13/2025 10:12	Potassium, Total	J	4030	ug/L	735	EPA-200.8
8/20/2025 11:50	Potassium, Total	J	3370	ug/L	735	EPA-200.8
8/27/2025 11:47	Potassium, Total	J	3550	ug/L	735	EPA-200.8
7/30/2025 13:20	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/6/2025 10:10	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/13/2025 10:12	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/20/2025 11:50	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/27/2025 11:47	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
7/30/2025 13:20	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/6/2025 10:10	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8

## Brandywine Creek

River Mile 5.80

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/13/2025 10:12	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/20/2025 11:50	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/27/2025 11:47	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
7/30/2025 13:20	Sodium, Total		78900	ug/L	130	EPA-200.8
8/6/2025 10:10	Sodium, Total		114000	ug/L	130	EPA-200.8
8/13/2025 10:12	Sodium, Total		70400	ug/L	130	EPA-200.8
8/20/2025 11:50	Sodium, Total		83000	ug/L	130	EPA-200.8
8/27/2025 11:47	Sodium, Total		110000	ug/L	130	EPA-200.8
7/30/2025 13:20	Strontium, Total		551	ug/L	0.185	EPA-200.8
8/6/2025 10:10	Strontium, Total		724	ug/L	0.185	EPA-200.8
8/13/2025 10:12	Strontium, Total		494	ug/L	0.185	EPA-200.8
8/20/2025 11:50	Strontium, Total		561	ug/L	0.185	EPA-200.8
8/27/2025 11:47	Strontium, Total		640	ug/L	0.185	EPA-200.8
7/30/2025 13:20	Sulfate		25.8	mg/L	1.88	EPA 300.0
8/6/2025 10:10	Sulfate		31.5	mg/L	0.94	EPA 300.0
8/13/2025 10:12	Sulfate		23.2	mg/L	0.94	EPA 300.0
8/20/2025 11:50	Sulfate		26.5	mg/L	0.94	EPA 300.0
8/27/2025 11:47	Sulfate		30.1	mg/L	0.94	EPA 300.0
7/30/2025 13:20	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/6/2025 10:10	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/13/2025 10:12	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/20/2025 11:50	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/27/2025 11:47	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
7/30/2025 13:20	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/6/2025 10:10	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/13/2025 10:12	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/20/2025 11:50	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/27/2025 11:47	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
7/30/2025 13:20	Titanium, Total	J	2.66	ug/L	0.945	EPA-200.8
8/6/2025 10:10	Titanium, Total	J	8.66	ug/L	0.945	EPA-200.8
8/13/2025 10:12	Titanium, Total	J	5.72	ug/L	0.945	EPA-200.8
8/20/2025 11:50	Titanium, Total		33.3	ug/L	0.945	EPA-200.8
8/27/2025 11:47	Titanium, Total	J	2.51	ug/L	0.945	EPA-200.8
7/30/2025 13:20	Total Dissolved Solids		432	mg/L	5	SM2540 C

## Brandywine Creek

River Mile 5.80

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/6/2025 10:10	Total Dissolved Solids		546	mg/L	5	SM2540 C
8/13/2025 10:12	Total Dissolved Solids		340	mg/L	5	SM2540 C
8/20/2025 11:50	Total Dissolved Solids		458	mg/L	5	SM2540 C
8/27/2025 11:47	Total Dissolved Solids		374	mg/L	5	SM2540 C
7/30/2025 13:20	Total Kjeldahl Nitrogen	J	0.61	mg/L	0.342	EPA351.2 (G)
8/6/2025 10:10	Total Kjeldahl Nitrogen		0.874	mg/L	0.342	EPA351.2 (G)
8/13/2025 10:12	Total Kjeldahl Nitrogen		0.842	mg/L	0.342	EPA351.2 (G)
8/20/2025 11:50	Total Kjeldahl Nitrogen		0.963	mg/L	0.342	EPA351.2 (G)
8/27/2025 11:47	Total Kjeldahl Nitrogen		0.838	mg/L	0.342	EPA351.2 (G)
7/30/2025 13:20	Total Solids		432	mg/L	18.8	SM2540 B
8/6/2025 10:10	Total Solids		598	mg/L	18.8	SM2540 B
8/13/2025 10:12	Total Solids		374	mg/L	18.8	SM2540 B
8/20/2025 11:50	Total Solids		622	mg/L	18.8	SM2540 B
8/27/2025 11:47	Total Solids		498	mg/L	18.8	SM2540 B
7/30/2025 13:20	Total Suspended Solids		6	mg/L	0.9	SM2540 D
8/6/2025 10:10	Total Suspended Solids		68	mg/L	1.7	SM2540 D
8/13/2025 10:12	Total Suspended Solids		30.4	mg/L	3.4	SM2540 D
8/20/2025 11:50	Total Suspended Solids		139	mg/L	8.6	SM2540 D
8/27/2025 11:47	Total Suspended Solids		16.4	mg/L	0.9	SM2540 D
7/30/2025 13:20	Turbidity		7.6	NTU	0.4	EPA 180.1
8/6/2025 10:10	Turbidity		25.8	NTU	0.4	EPA 180.1
8/13/2025 10:12	Turbidity		18.3	NTU	0.4	EPA 180.1
8/20/2025 11:50	Turbidity		165.5	NTU	0.4	EPA 180.1
8/27/2025 11:47	Turbidity		8.3	NTU	0.4	EPA 180.1
7/30/2025 13:20	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/6/2025 10:10	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/13/2025 10:12	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/20/2025 11:50	Vanadium, Total	J	14	ug/L	8.5	EPA-200.8
8/27/2025 11:47	Vanadium, Total	J	30.6	ug/L	8.5	EPA-200.8
7/30/2025 13:20	Water Temperature		25.71	°C		EPA 170.1
8/6/2025 10:10	Water Temperature		20.83	°C		EPA 170.1
8/13/2025 10:12	Water Temperature		26.29	°C		EPA 170.1
8/20/2025 11:50	Water Temperature		22.53	°C		EPA 170.1
8/27/2025 11:47	Water Temperature		17.31	°C		EPA 170.1

Brandywine Creek  
River Mile 5.80

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 13:20	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/6/2025 10:10	Zinc, Total	J	13.2	ug/L	7.2	EPA-200.8
8/13/2025 10:12	Zinc, Total	J	7.32	ug/L	7.2	EPA-200.8
8/20/2025 11:50	Zinc, Total	J	24.1	ug/L	7.2	EPA-200.8
8/27/2025 11:47	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8

Brandywine Creek  
River Mile 3.55

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 11:40	Alkalinity, Total		161	mg/LCaCO3	7.05	EPA-310.2
8/6/2025 11:00	Alkalinity, Total		177	mg/LCaCO3	7.05	EPA-310.2
8/13/2025 9:42	Alkalinity, Total		75.25	mg/LCaCO3	9.88	EPA-310.2
8/20/2025 12:25	Alkalinity, Total		102	mg/LCaCO3	9.88	EPA-310.2
8/27/2025 12:13	Alkalinity, Total		157	mg/LCaCO3	9.88	EPA-310.2
7/30/2025 11:40	Aluminum, Total	J	157	ug/L	45.8	EPA-200.8
8/6/2025 11:00	Aluminum, Total	J	85.9	ug/L	45.8	EPA-200.8
8/13/2025 9:42	Aluminum, Total		2320	ug/L	45.8	EPA-200.8
8/20/2025 12:25	Aluminum, Total		367	ug/L	45.8	EPA-200.8
8/27/2025 12:13	Aluminum, Total	J	90.2	ug/L	45.8	EPA-200.8
7/30/2025 11:40	Ammonia, Total	J	0.048	mg/L	0.024	EPA-350.1 (G)
8/6/2025 11:00	Ammonia, Total	J	0.026	mg/L	0.024	EPA-350.1 (G)
8/13/2025 9:42	Ammonia, Total		0.047	mg/L	0.024	EPA-350.1 (G)
8/20/2025 12:25	Ammonia, Total		0.078	mg/L	0.024	EPA-350.1 (G)
8/27/2025 12:13	Ammonia, Total		0.06	mg/L	0.024	EPA-350.1 (G)
7/30/2025 11:40	Antimony, Total	J	0.248	ug/L	0.215	EPA-200.8
8/6/2025 11:00	Antimony, Total	J	0.246	ug/L	0.215	EPA-200.8
8/13/2025 9:42	Antimony, Total	J	0.464	ug/L	0.215	EPA-200.8
8/20/2025 12:25	Antimony, Total	J	0.551	ug/L	0.215	EPA-200.8
8/27/2025 12:13	Antimony, Total	J	0.27	ug/L	0.215	EPA-200.8
7/30/2025 11:40	Arsenic, Total	J	2.17	ug/L	0.585	EPA-200.8
8/6/2025 11:00	Arsenic, Total	J	2.31	ug/L	0.585	EPA-200.8
8/13/2025 9:42	Arsenic, Total	J	3.61	ug/L	0.585	EPA-200.8
8/20/2025 12:25	Arsenic, Total	J	2.31	ug/L	0.585	EPA-200.8
8/27/2025 12:13	Arsenic, Total	J	1.74	ug/L	0.585	EPA-200.8
7/30/2025 11:40	Barium, Total		41.6	ug/L	0.605	EPA-200.8
8/6/2025 11:00	Barium, Total		52.7	ug/L	0.605	EPA-200.8
8/13/2025 9:42	Barium, Total		48.3	ug/L	0.605	EPA-200.8
8/20/2025 12:25	Barium, Total		42.5	ug/L	0.605	EPA-200.8
8/27/2025 12:13	Barium, Total		46.2	ug/L	0.605	EPA-200.8
7/30/2025 11:40	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/6/2025 11:00	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/13/2025 9:42	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/20/2025 12:25	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/27/2025 12:13	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8

Brandywine Creek  
River Mile 3.55

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 11:40	BOD, Total	<	2	mg/L	2	SM5210 B
8/6/2025 11:00	BOD, Total	<	2	mg/L	2	SM5210 B
8/13/2025 9:42	BOD, Total		3.75	mg/L	2	SM5210 B
8/20/2025 12:25	BOD, Total		2.4	mg/L	2	SM5210 B
8/27/2025 12:13	BOD, Total	<	2	mg/L	2	SM5210 B
7/30/2025 11:40	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/6/2025 11:00	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/13/2025 9:42	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/20/2025 12:25	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/27/2025 12:13	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
7/30/2025 11:40	Calcium, Total		45300	ug/L	215	EPA-200.8
8/6/2025 11:00	Calcium, Total		65800	ug/L	215	EPA-200.8
8/13/2025 9:42	Calcium, Total		31400	ug/L	215	EPA-200.8
8/20/2025 12:25	Calcium, Total		43300	ug/L	215	EPA-200.8
8/27/2025 12:13	Calcium, Total		56700	ug/L	215	EPA-200.8
7/30/2025 11:40	Chloride		177	mg/L	0.774	EPA 300.0
8/6/2025 11:00	Chloride		207	mg/L	0.774	EPA 300.0
8/13/2025 9:42	Chloride		123	mg/L	0.387	EPA 300.0
8/20/2025 12:25	Chloride		186	mg/L	0.387	EPA 300.0
8/27/2025 12:13	Chloride		201	mg/L	0.774	EPA 300.0
7/30/2025 11:40	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/6/2025 11:00	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/13/2025 9:42	Chromium, Total	J	8.13	ug/L	6.85	EPA-200.8
8/20/2025 12:25	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/27/2025 12:13	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
7/30/2025 11:40	Cobalt, Total	J	0.258	ug/L	0.185	EPA-200.8
8/6/2025 11:00	Cobalt, Total	J	0.187	ug/L	0.185	EPA-200.8
8/13/2025 9:42	Cobalt, Total	J	1.81	ug/L	0.185	EPA-200.8
8/20/2025 12:25	Cobalt, Total	J	0.358	ug/L	0.185	EPA-200.8
8/27/2025 12:13	Cobalt, Total	J	0.202	ug/L	0.185	EPA-200.8
7/30/2025 11:40	COD, Total	<	16.6	mg/L	16.6	EPA 410.4
8/6/2025 11:00	COD, Total	J	17.3	mg/L	16.6	EPA 410.4
8/13/2025 9:42	COD, Total	J	22.7	mg/L	16.6	EPA 410.4
8/20/2025 12:25	COD, Total	J	18.1	mg/L	16.6	EPA 410.4

Brandywine Creek  
River Mile 3.55

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/27/2025 12:13	COD, Total	<	16.6	mg/L	16.6	EPA 410.4
7/30/2025 11:40	Conductivity		949	UMHOS/CM		SM 2510A
8/6/2025 11:00	Conductivity		1015	UMHOS/CM		SM 2510A
8/13/2025 9:42	Conductivity		646	UMHOS/CM		SM 2510A
8/20/2025 12:25	Conductivity		884	UMHOS/CM		SM 2510A
8/27/2025 12:13	Conductivity		883	UMHOS/CM		SM 2510A
7/30/2025 11:40	Specific Conductance		959	UMHOS/CM		SM 2510B
8/6/2025 11:00	Specific Conductance		1091	UMHOS/CM		SM 2510B
8/13/2025 9:42	Specific Conductance		669	UMHOS/CM		SM 2510B
8/20/2025 12:25	Specific Conductance		930	UMHOS/CM		SM 2510B
8/27/2025 12:13	Specific Conductance		1044	UMHOS/CM		SM 2510B
7/30/2025 11:40	Copper, Total	J	2.01	ug/L	0.45	EPA-200.8
8/6/2025 11:00	Copper, Total	J	2.15	ug/L	0.45	EPA-200.8
8/13/2025 9:42	Copper, Total	J	7.735	ug/L	0.45	EPA-200.8
8/20/2025 12:25	Copper, Total	J	3.51	ug/L	0.45	EPA-200.8
8/27/2025 12:13	Copper, Total	J	1.85	ug/L	0.45	EPA-200.8
7/30/2025 11:40	Dissolved Oxygen		76	%		N/A
8/6/2025 11:00	Dissolved Oxygen		88	%		N/A
8/13/2025 9:42	Dissolved Oxygen		71	%		N/A
8/20/2025 12:25	Dissolved Oxygen		69	%		N/A
8/27/2025 12:13	Dissolved Oxygen		84	%		N/A
7/30/2025 11:40	Dissolved Oxygen		6.3	mg/L		SM 4500-O G
8/6/2025 11:00	Dissolved Oxygen		7.8	mg/L		SM 4500-O G
8/13/2025 9:42	Dissolved Oxygen		6	mg/L		SM 4500-O G
8/20/2025 12:25	Dissolved Oxygen		6	mg/L		SM 4500-O G
8/27/2025 12:13	Dissolved Oxygen		8.2	mg/L		SM 4500-O G
7/30/2025 11:40	Escherichia coli		308	MPN/100 mL	1	SM9223 Colilert
8/6/2025 11:00	Escherichia coli		210	MPN/100 mL	1	SM9223 Colilert
8/13/2025 9:42	Escherichia coli		12705	MPN/100 mL	1	SM9223 Colilert
8/20/2025 12:25	Escherichia coli		2420	MPN/100 mL	1	SM9223 Colilert
8/27/2025 12:13	Escherichia coli		613	MPN/100 mL	1	SM9223 Colilert
7/30/2025 11:40	Hardness, Total		153	mg/LCaCO3		EPA-200.8
8/6/2025 11:00	Hardness, Total		226	mg/LCaCO3		EPA-200.8
8/13/2025 9:42	Hardness, Total		108	mg/LCaCO3		EPA-200.8

Brandywine Creek  
River Mile 3.55

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/20/2025 12:25	Hardness, Total		147	mg/LCaCO3		EPA-200.8
8/27/2025 12:13	Hardness, Total		198	mg/LCaCO3		EPA-200.8
7/30/2025 11:40	Iron, Total		945	ug/L	168	EPA-200.8
8/6/2025 11:00	Iron, Total		996	ug/L	168	EPA-200.8
8/13/2025 9:42	Iron, Total		3905	ug/L	168	EPA-200.8
8/20/2025 12:25	Iron, Total		1080	ug/L	168	EPA-200.8
8/27/2025 12:13	Iron, Total		790	ug/L	168	EPA-200.8
7/30/2025 11:40	Lead, Total	J	0.4	ug/L	0.295	EPA-200.8
8/6/2025 11:00	Lead, Total	<	0.295	ug/L	0.295	EPA-200.8
8/13/2025 9:42	Lead, Total		3.965	ug/L	0.295	EPA-200.8
8/20/2025 12:25	Lead, Total	J	0.778	ug/L	0.295	EPA-200.8
8/27/2025 12:13	Lead, Total	<	0.295	ug/L	0.295	EPA-200.8
7/30/2025 11:40	Magnesium, Total		9740	ug/L	41	EPA-200.8
8/6/2025 11:00	Magnesium, Total		15000	ug/L	41	EPA-200.8
8/13/2025 9:42	Magnesium, Total		7200	ug/L	41	EPA-200.8
8/20/2025 12:25	Magnesium, Total		9450	ug/L	41	EPA-200.8
8/27/2025 12:13	Magnesium, Total		13600	ug/L	41	EPA-200.8
7/30/2025 11:40	Manganese, Total		127	ug/L	0.335	EPA-200.8
8/6/2025 11:00	Manganese, Total		90.6	ug/L	0.335	EPA-200.8
8/13/2025 9:42	Manganese, Total		164	ug/L	0.335	EPA-200.8
8/20/2025 12:25	Manganese, Total		81.6	ug/L	0.335	EPA-200.8
8/27/2025 12:13	Manganese, Total		60.8	ug/L	0.335	EPA-200.8
7/30/2025 11:40	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/6/2025 11:00	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/13/2025 9:42	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/20/2025 12:25	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/27/2025 12:13	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
7/30/2025 11:40	Molybdenum, Total		2.19	ug/L	0.12	EPA-200.8
8/6/2025 11:00	Molybdenum, Total		2.8	ug/L	0.12	EPA-200.8
8/13/2025 9:42	Molybdenum, Total		2.33	ug/L	0.12	EPA-200.8
8/20/2025 12:25	Molybdenum, Total		2.4	ug/L	0.12	EPA-200.8
8/27/2025 12:13	Molybdenum, Total		2.44	ug/L	0.12	EPA-200.8
7/30/2025 11:40	Nickel, Total	J	1.55	ug/L	0.265	EPA-200.8
8/6/2025 11:00	Nickel, Total	J	1.58	ug/L	0.265	EPA-200.8

Brandywine Creek  
River Mile 3.55

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/13/2025 9:42	Nickel, Total		5.13	ug/L	0.265	EPA-200.8
8/20/2025 12:25	Nickel, Total	J	1.69	ug/L	0.265	EPA-200.8
8/27/2025 12:13	Nickel, Total	J	1.37	ug/L	0.265	EPA-200.8
7/30/2025 11:40	Nitrite - Nitrate, Total		0.225	mg/L	0.024	ASTM D7781
8/6/2025 11:00	Nitrite - Nitrate, Total		0.19	mg/L	0.024	ASTM D7781
8/13/2025 9:42	Nitrite - Nitrate, Total		0.4475	mg/L	0.024	ASTM D7781
8/20/2025 12:25	Nitrite - Nitrate, Total		0.358	mg/L	0.024	ASTM D7781
8/27/2025 12:13	Nitrite - Nitrate, Total		0.229	mg/L	0.024	ASTM D7781
7/30/2025 11:40	pH		7.6	S.U.		N/A
8/6/2025 11:00	pH		7.7	S.U.		N/A
8/13/2025 9:42	pH		7.5	S.U.		N/A
8/20/2025 12:25	pH		7.6	S.U.		N/A
8/27/2025 12:13	pH		7.8	S.U.		N/A
7/30/2025 11:40	Phosphorus, Diss. Reactive		0.0392	mg/L	0.014	EPA 365.1
8/6/2025 11:00	Phosphorus, Diss. Reactive	J	0.0256	mg/L	0.014	EPA 365.1
8/13/2025 9:42	Phosphorus, Diss. Reactive		0.03765	mg/L	0.014	EPA 365.1
8/20/2025 12:25	Phosphorus, Diss. Reactive		0.0353	mg/L	0.014	EPA 365.1
8/27/2025 12:13	Phosphorus, Diss. Reactive	J	0.0201	mg/L	0.014	EPA 365.1
7/30/2025 11:40	Phosphorus, Total		0.064	mg/L	0.0135	EPA 365.1
8/6/2025 11:00	Phosphorus, Total		0.045	mg/L	0.0135	EPA 365.1
8/13/2025 9:42	Phosphorus, Total		0.1585	mg/L	0.0135	EPA 365.1
8/20/2025 12:25	Phosphorus, Total		0.059	mg/L	0.0135	EPA 365.1
8/27/2025 12:13	Phosphorus, Total		0.04	mg/L	0.0135	EPA 365.1
7/30/2025 11:40	Potassium, Total	J	3280	ug/L	735	EPA-200.8
8/6/2025 11:00	Potassium, Total	J	3950	ug/L	735	EPA-200.8
8/13/2025 9:42	Potassium, Total	J	3690	ug/L	735	EPA-200.8
8/20/2025 12:25	Potassium, Total	J	3540	ug/L	735	EPA-200.8
8/27/2025 12:13	Potassium, Total	J	3450	ug/L	735	EPA-200.8
7/30/2025 11:40	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/6/2025 11:00	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/13/2025 9:42	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/20/2025 12:25	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/27/2025 12:13	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
7/30/2025 11:40	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8

Brandywine Creek  
River Mile 3.55

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/6/2025 11:00	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/13/2025 9:42	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/20/2025 12:25	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/27/2025 12:13	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
7/30/2025 11:40	Sodium, Total		81500	ug/L	130	EPA-200.8
8/6/2025 11:00	Sodium, Total		121000	ug/L	130	EPA-200.8
8/13/2025 9:42	Sodium, Total		70450	ug/L	130	EPA-200.8
8/20/2025 12:25	Sodium, Total		122000	ug/L	130	EPA-200.8
8/27/2025 12:13	Sodium, Total		119000	ug/L	130	EPA-200.8
7/30/2025 11:40	Strontium, Total		546	ug/L	0.185	EPA-200.8
8/6/2025 11:00	Strontium, Total		768	ug/L	0.185	EPA-200.8
8/13/2025 9:42	Strontium, Total		450	ug/L	0.185	EPA-200.8
8/20/2025 12:25	Strontium, Total		640	ug/L	0.185	EPA-200.8
8/27/2025 12:13	Strontium, Total		683	ug/L	0.185	EPA-200.8
7/30/2025 11:40	Sulfate		41.8	mg/L	1.88	EPA 300.0
8/6/2025 11:00	Sulfate		48.7	mg/L	1.88	EPA 300.0
8/13/2025 9:42	Sulfate		29.85	mg/L	0.94	EPA 300.0
8/20/2025 12:25	Sulfate		37.3	mg/L	0.94	EPA 300.0
8/27/2025 12:13	Sulfate		43.6	mg/L	1.88	EPA 300.0
7/30/2025 11:40	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/6/2025 11:00	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/13/2025 9:42	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/20/2025 12:25	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/27/2025 12:13	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
7/30/2025 11:40	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/6/2025 11:00	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/13/2025 9:42	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/20/2025 12:25	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/27/2025 12:13	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
7/30/2025 11:40	Titanium, Total	J	3.2	ug/L	0.945	EPA-200.8
8/6/2025 11:00	Titanium, Total	J	2.36	ug/L	0.945	EPA-200.8
8/13/2025 9:42	Titanium, Total		29.3	ug/L	0.945	EPA-200.8
8/20/2025 12:25	Titanium, Total	J	4.74	ug/L	0.945	EPA-200.8
8/27/2025 12:13	Titanium, Total	J	2.5	ug/L	0.945	EPA-200.8

Brandywine Creek  
River Mile 3.55

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 11:40	Total Dissolved Solids		520	mg/L	5	SM2540 C
8/6/2025 11:00	Total Dissolved Solids		638	mg/L	5	SM2540 C
8/13/2025 9:42	Total Dissolved Solids		395	mg/L	5	SM2540 C
8/20/2025 12:25	Total Dissolved Solids		524	mg/L	5	SM2540 C
8/27/2025 12:13	Total Dissolved Solids		594	mg/L	5	SM2540 C
7/30/2025 11:40	Total Kjeldahl Nitrogen	J	0.559	mg/L	0.342	EPA351.2 (G)
8/6/2025 11:00	Total Kjeldahl Nitrogen	J	0.588	mg/L	0.342	EPA351.2 (G)
8/13/2025 9:42	Total Kjeldahl Nitrogen		0.835	mg/L	0.342	EPA351.2 (G)
8/20/2025 12:25	Total Kjeldahl Nitrogen	J	0.642	mg/L	0.342	EPA351.2 (G)
8/27/2025 12:13	Total Kjeldahl Nitrogen	J	0.574	mg/L	0.342	EPA351.2 (G)
7/30/2025 11:40	Total Solids		580	mg/L	18.8	SM2540 B
8/6/2025 11:00	Total Solids		624	mg/L	18.8	SM2540 B
8/13/2025 9:42	Total Solids		499	mg/L	18.8	SM2540 B
8/20/2025 12:25	Total Solids		540	mg/L	18.8	SM2540 B
8/27/2025 12:13	Total Solids		632	mg/L	18.8	SM2540 B
7/30/2025 11:40	Total Suspended Solids		8	mg/L	0.9	SM2540 D
8/6/2025 11:00	Total Suspended Solids		4.1	mg/L	0.9	SM2540 D
8/13/2025 9:42	Total Suspended Solids		111	mg/L	8.6	SM2540 D
8/20/2025 12:25	Total Suspended Solids		14.5	mg/L	1.1	SM2540 D
8/27/2025 12:13	Total Suspended Solids		2.8	mg/L	0.9	SM2540 D
7/30/2025 11:40	Turbidity		7.1	NTU	0.4	EPA 180.1
8/6/2025 11:00	Turbidity		4.3	NTU	0.4	EPA 180.1
8/13/2025 9:42	Turbidity		22.2	NTU	0.4	EPA 180.1
8/20/2025 12:25	Turbidity		15.4	NTU	0.4	EPA 180.1
8/27/2025 12:13	Turbidity		6.2	NTU	0.4	EPA 180.1
7/30/2025 11:40	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/6/2025 11:00	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/13/2025 9:42	Vanadium, Total	J	11.45	ug/L	8.5	EPA-200.8
8/20/2025 12:25	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/27/2025 12:13	Vanadium, Total	J	20.5	ug/L	8.5	EPA-200.8
7/30/2025 11:40	Water Temperature		24.46	°C		EPA 170.1
8/6/2025 11:00	Water Temperature		21.37	°C		EPA 170.1
8/13/2025 9:42	Water Temperature		23.23	°C		EPA 170.1
8/20/2025 12:25	Water Temperature		22.39	°C		EPA 170.1
8/27/2025 12:13	Water Temperature		16.9	°C		EPA 170.1

Brandywine Creek  
River Mile 3.55

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 11:40	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/6/2025 11:00	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/13/2025 9:42	Zinc, Total	J	25.35	ug/L	7.2	EPA-200.8
8/20/2025 12:25	Zinc, Total	J	7.35	ug/L	7.2	EPA-200.8
8/27/2025 12:13	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8

Brandywine Creek  
River Mile 0.45

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 10:45	Alkalinity, Total		147	mg/LCaCO3	7.05	EPA-310.2
8/6/2025 11:24	Alkalinity, Total		168	mg/LCaCO3	7.05	EPA-310.2
8/13/2025 9:18	Alkalinity, Total		65.3	mg/LCaCO3	9.88	EPA-310.2
8/20/2025 12:45	Alkalinity, Total		111	mg/LCaCO3	9.88	EPA-310.2
8/27/2025 12:31	Alkalinity, Total		162	mg/LCaCO3	9.88	EPA-310.2
7/30/2025 10:45	Aluminum, Total	J	108	ug/L	45.8	EPA-200.8
8/6/2025 11:24	Aluminum, Total	J	67.2	ug/L	45.8	EPA-200.8
8/13/2025 9:18	Aluminum, Total		1170	ug/L	45.8	EPA-200.8
8/20/2025 12:45	Aluminum, Total		277	ug/L	45.8	EPA-200.8
8/27/2025 12:31	Aluminum, Total	<	45.8	ug/L	45.8	EPA-200.8
7/30/2025 10:45	Ammonia, Total	<	0.024	mg/L	0.024	EPA-350.1 (G)
8/6/2025 11:24	Ammonia, Total	<	0.024	mg/L	0.024	EPA-350.1 (G)
8/13/2025 9:18	Ammonia, Total	J	0.043	mg/L	0.024	EPA-350.1 (G)
8/20/2025 12:45	Ammonia, Total	<	0.024	mg/L	0.024	EPA-350.1 (G)
8/27/2025 12:31	Ammonia, Total	J	0.032	mg/L	0.024	EPA-350.1 (G)
7/30/2025 10:45	Antimony, Total	J	0.285	ug/L	0.215	EPA-200.8
8/6/2025 11:24	Antimony, Total	J	0.248	ug/L	0.215	EPA-200.8
8/13/2025 9:18	Antimony, Total	J	0.445	ug/L	0.215	EPA-200.8
8/20/2025 12:45	Antimony, Total	J	0.349	ug/L	0.215	EPA-200.8
8/27/2025 12:31	Antimony, Total	J	0.224	ug/L	0.215	EPA-200.8
7/30/2025 10:45	Arsenic, Total	J	1.37	ug/L	0.585	EPA-200.8
8/6/2025 11:24	Arsenic, Total	J	1.18	ug/L	0.585	EPA-200.8
8/13/2025 9:18	Arsenic, Total	J	2.53	ug/L	0.585	EPA-200.8
8/20/2025 12:45	Arsenic, Total	J	1.82	ug/L	0.585	EPA-200.8
8/27/2025 12:31	Arsenic, Total	J	1.85	ug/L	0.585	EPA-200.8
7/30/2025 10:45	Barium, Total		38.4	ug/L	0.605	EPA-200.8
8/6/2025 11:24	Barium, Total		49.1	ug/L	0.605	EPA-200.8
8/13/2025 9:18	Barium, Total		34	ug/L	0.605	EPA-200.8
8/20/2025 12:45	Barium, Total		34.9	ug/L	0.605	EPA-200.8
8/27/2025 12:31	Barium, Total		41	ug/L	0.605	EPA-200.8
7/30/2025 10:45	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/6/2025 11:24	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/13/2025 9:18	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/20/2025 12:45	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8
8/27/2025 12:31	Beryllium, Total	<	0.2	ug/L	0.2	EPA-200.8

Brandywine Creek  
River Mile 0.45

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 10:45	BOD, Total	<	2	mg/L	2	SM5210 B
8/6/2025 11:24	BOD, Total	<	2	mg/L	2	SM5210 B
8/13/2025 9:18	BOD, Total		4	mg/L	2	SM5210 B
8/20/2025 12:45	BOD, Total	<	2	mg/L	2	SM5210 B
8/27/2025 12:31	BOD, Total	<	2	mg/L	2	SM5210 B
7/30/2025 10:45	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/6/2025 11:24	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/13/2025 9:18	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/20/2025 12:45	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
8/27/2025 12:31	Cadmium, Total	<	0.19	ug/L	0.19	EPA-200.8
7/30/2025 10:45	Calcium, Total		50600	ug/L	215	EPA-200.8
8/6/2025 11:24	Calcium, Total		66400	ug/L	215	EPA-200.8
8/13/2025 9:18	Calcium, Total		28900	ug/L	215	EPA-200.8
8/20/2025 12:45	Calcium, Total		42300	ug/L	215	EPA-200.8
8/27/2025 12:31	Calcium, Total		59400	ug/L	215	EPA-200.8
7/30/2025 10:45	Chloride		157	mg/L	0.774	EPA 300.0
8/6/2025 11:24	Chloride		189	mg/L	0.387	EPA 300.0
8/13/2025 9:18	Chloride		75.4	mg/L	0.387	EPA 300.0
8/20/2025 12:45	Chloride		133	mg/L	0.387	EPA 300.0
8/27/2025 12:31	Chloride		183	mg/L	0.774	EPA 300.0
7/30/2025 10:45	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/6/2025 11:24	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/13/2025 9:18	Chromium, Total	J	7.02	ug/L	6.85	EPA-200.8
8/20/2025 12:45	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
8/27/2025 12:31	Chromium, Total	<	6.85	ug/L	6.85	EPA-200.8
7/30/2025 10:45	Cobalt, Total	<	0.185	ug/L	0.185	EPA-200.8
8/6/2025 11:24	Cobalt, Total	<	0.185	ug/L	0.185	EPA-200.8
8/13/2025 9:18	Cobalt, Total	J	1.22	ug/L	0.185	EPA-200.8
8/20/2025 12:45	Cobalt, Total	J	0.259	ug/L	0.185	EPA-200.8
8/27/2025 12:31	Cobalt, Total	<	0.185	ug/L	0.185	EPA-200.8
7/30/2025 10:45	COD, Total	<	16.6	mg/L	16.6	EPA 410.4
8/6/2025 11:24	COD, Total	<	16.6	mg/L	16.6	EPA 410.4
8/13/2025 9:18	COD, Total	J	30.9	mg/L	16.6	EPA 410.4
8/20/2025 12:45	COD, Total	J	18.8	mg/L	16.6	EPA 410.4

Brandywine Creek  
River Mile 0.45

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/27/2025 12:31	COD, Total	<	16.6	mg/L	16.6	EPA 410.4
7/30/2025 10:45	Conductivity		857	UMHOS/CM		SM 2510A
8/6/2025 11:24	Conductivity		955	UMHOS/CM		SM 2510A
8/13/2025 9:18	Conductivity		449	UMHOS/CM		SM 2510A
8/20/2025 12:45	Conductivity		687	UMHOS/CM		SM 2510A
8/27/2025 12:31	Conductivity		872	UMHOS/CM		SM 2510A
7/30/2025 10:45	Specific Conductance		872	UMHOS/CM		SM 2510B
8/6/2025 11:24	Specific Conductance		1021	UMHOS/CM		SM 2510B
8/13/2025 9:18	Specific Conductance		464	UMHOS/CM		SM 2510B
8/20/2025 12:45	Specific Conductance		725	UMHOS/CM		SM 2510B
8/27/2025 12:31	Specific Conductance		1005	UMHOS/CM		SM 2510B
7/30/2025 10:45	Copper, Total	J	3.82	ug/L	0.45	EPA-200.8
8/6/2025 11:24	Copper, Total	J	2.11	ug/L	0.45	EPA-200.8
8/13/2025 9:18	Copper, Total	J	6.7	ug/L	0.45	EPA-200.8
8/20/2025 12:45	Copper, Total	J	3.01	ug/L	0.45	EPA-200.8
8/27/2025 12:31	Copper, Total	J	1.57	ug/L	0.45	EPA-200.8
7/30/2025 10:45	Dissolved Oxygen		116	%		N/A
8/6/2025 11:24	Dissolved Oxygen		108	%		N/A
8/13/2025 9:18	Dissolved Oxygen		94	%		N/A
8/20/2025 12:45	Dissolved Oxygen		93	%		N/A
8/27/2025 12:31	Dissolved Oxygen		116	%		N/A
7/30/2025 10:45	Dissolved Oxygen		9.7	mg/L		SM 4500-O G
8/6/2025 11:24	Dissolved Oxygen		9.4	mg/L		SM 4500-O G
8/13/2025 9:18	Dissolved Oxygen		8	mg/L		SM 4500-O G
8/20/2025 12:45	Dissolved Oxygen		8.1	mg/L		SM 4500-O G
8/27/2025 12:31	Dissolved Oxygen		10.9	mg/L		SM 4500-O G
7/30/2025 10:45	Escherichia coli		96	MPN/100 mL	1	SM9223 Colilert
8/6/2025 11:24	Escherichia coli		33	MPN/100 mL	1	SM9223 Colilert
8/13/2025 9:18	Escherichia coli		17890	MPN/100 mL	1	SM9223 Colilert
8/20/2025 12:45	Escherichia coli		1553	MPN/100 mL	1	SM9223 Colilert
8/27/2025 12:31	Escherichia coli		130	MPN/100 mL	1	SM9223 Colilert
7/30/2025 10:45	Hardness, Total		171	mg/LCaCO3		EPA-200.8
8/6/2025 11:24	Hardness, Total		228	mg/LCaCO3		EPA-200.8
8/13/2025 9:18	Hardness, Total		97.7	mg/LCaCO3		EPA-200.8

Brandywine Creek  
River Mile 0.45

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/20/2025 12:45	Hardness, Total		144	mg/LCaCO3		EPA-200.8
8/27/2025 12:31	Hardness, Total		210	mg/LCaCO3		EPA-200.8
7/30/2025 10:45	Iron, Total		538	ug/L	168	EPA-200.8
8/6/2025 11:24	Iron, Total		522	ug/L	168	EPA-200.8
8/13/2025 9:18	Iron, Total		2150	ug/L	168	EPA-200.8
8/20/2025 12:45	Iron, Total		752	ug/L	168	EPA-200.8
8/27/2025 12:31	Iron, Total		517	ug/L	168	EPA-200.8
7/30/2025 10:45	Lead, Total	<	0.295	ug/L	0.295	EPA-200.8
8/6/2025 11:24	Lead, Total	<	0.295	ug/L	0.295	EPA-200.8
8/13/2025 9:18	Lead, Total		3.07	ug/L	0.295	EPA-200.8
8/20/2025 12:45	Lead, Total	J	0.435	ug/L	0.295	EPA-200.8
8/27/2025 12:31	Lead, Total	<	0.295	ug/L	0.295	EPA-200.8
7/30/2025 10:45	Magnesium, Total		10800	ug/L	41	EPA-200.8
8/6/2025 11:24	Magnesium, Total		15000	ug/L	41	EPA-200.8
8/13/2025 9:18	Magnesium, Total		6210	ug/L	41	EPA-200.8
8/20/2025 12:45	Magnesium, Total		9410	ug/L	41	EPA-200.8
8/27/2025 12:31	Magnesium, Total		15100	ug/L	41	EPA-200.8
7/30/2025 10:45	Manganese, Total	J	19.9	ug/L	0.335	EPA-200.8
8/6/2025 11:24	Manganese, Total		25.3	ug/L	0.335	EPA-200.8
8/13/2025 9:18	Manganese, Total		133	ug/L	0.335	EPA-200.8
8/20/2025 12:45	Manganese, Total	J	22.6	ug/L	0.335	EPA-200.8
8/27/2025 12:31	Manganese, Total	J	16.3	ug/L	0.335	EPA-200.8
7/30/2025 10:45	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/6/2025 11:24	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/13/2025 9:18	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/20/2025 12:45	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
8/27/2025 12:31	Mercury, Total	<	0.026	ug/L	0.026	EPA 245.1
7/30/2025 10:45	Molybdenum, Total		2.75	ug/L	0.12	EPA-200.8
8/6/2025 11:24	Molybdenum, Total		3.02	ug/L	0.12	EPA-200.8
8/13/2025 9:18	Molybdenum, Total	J	1.82	ug/L	0.12	EPA-200.8
8/20/2025 12:45	Molybdenum, Total		2.5	ug/L	0.12	EPA-200.8
8/27/2025 12:31	Molybdenum, Total		2.71	ug/L	0.12	EPA-200.8
7/30/2025 10:45	Nickel, Total	J	1.56	ug/L	0.265	EPA-200.8
8/6/2025 11:24	Nickel, Total	J	1.7	ug/L	0.265	EPA-200.8

Brandywine Creek  
River Mile 0.45

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/13/2025 9:18	Nickel, Total		3.64	ug/L	0.265	EPA-200.8
8/20/2025 12:45	Nickel, Total	J	1.72	ug/L	0.265	EPA-200.8
8/27/2025 12:31	Nickel, Total	J	1.51	ug/L	0.265	EPA-200.8
7/30/2025 10:45	Nitrite - Nitrate, Total		0.098	mg/L	0.024	ASTM D7781
8/6/2025 11:24	Nitrite - Nitrate, Total	J	0.025	mg/L	0.024	ASTM D7781
8/13/2025 9:18	Nitrite - Nitrate, Total		0.505	mg/L	0.024	ASTM D7781
8/20/2025 12:45	Nitrite - Nitrate, Total		0.358	mg/L	0.024	ASTM D7781
8/27/2025 12:31	Nitrite - Nitrate, Total		0.08	mg/L	0.024	ASTM D7781
7/30/2025 10:45	pH		8.2	S.U.		N/A
8/6/2025 11:24	pH		8.2	S.U.		N/A
8/13/2025 9:18	pH		8	S.U.		N/A
8/20/2025 12:45	pH		8.1	S.U.		N/A
8/27/2025 12:31	pH		8.4	S.U.		N/A
7/30/2025 10:45	Phosphorus, Diss. Reactive	J	0.0152	mg/L	0.014	EPA 365.1
8/6/2025 11:24	Phosphorus, Diss. Reactive	<	0.014	mg/L	0.014	EPA 365.1
8/13/2025 9:18	Phosphorus, Diss. Reactive		0.0411	mg/L	0.014	EPA 365.1
8/20/2025 12:45	Phosphorus, Diss. Reactive	J	0.0159	mg/L	0.014	EPA 365.1
8/27/2025 12:31	Phosphorus, Diss. Reactive	<	0.014	mg/L	0.014	EPA 365.1
7/30/2025 10:45	Phosphorus, Total	J	0.024	mg/L	0.0135	EPA 365.1
8/6/2025 11:24	Phosphorus, Total	J	0.016	mg/L	0.0135	EPA 365.1
8/13/2025 9:18	Phosphorus, Total		0.133	mg/L	0.0135	EPA 365.1
8/20/2025 12:45	Phosphorus, Total		0.036	mg/L	0.0135	EPA 365.1
8/27/2025 12:31	Phosphorus, Total	J	0.014	mg/L	0.0135	EPA 365.1
7/30/2025 10:45	Potassium, Total	J	3760	ug/L	735	EPA-200.8
8/6/2025 11:24	Potassium, Total	J	4160	ug/L	735	EPA-200.8
8/13/2025 9:18	Potassium, Total	J	3530	ug/L	735	EPA-200.8
8/20/2025 12:45	Potassium, Total	J	3450	ug/L	735	EPA-200.8
8/27/2025 12:31	Potassium, Total	J	3680	ug/L	735	EPA-200.8
7/30/2025 10:45	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/6/2025 11:24	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/13/2025 9:18	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/20/2025 12:45	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
8/27/2025 12:31	Selenium, Total	<	0.545	ug/L	0.545	EPA-200.8
7/30/2025 10:45	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8

Brandywine Creek  
River Mile 0.45

Sample Date	Parameter	Code	Result	Units	MDL	Method
8/6/2025 11:24	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/13/2025 9:18	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/20/2025 12:45	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
8/27/2025 12:31	Silver, Total	<	0.455	ug/L	0.455	EPA-200.8
7/30/2025 10:45	Sodium, Total		91300	ug/L	130	EPA-200.8
8/6/2025 11:24	Sodium, Total		115000	ug/L	130	EPA-200.8
8/13/2025 9:18	Sodium, Total		48000	ug/L	130	EPA-200.8
8/20/2025 12:45	Sodium, Total		84200	ug/L	130	EPA-200.8
8/27/2025 12:31	Sodium, Total		111000	ug/L	130	EPA-200.8
7/30/2025 10:45	Strontium, Total		565	ug/L	0.185	EPA-200.8
8/6/2025 11:24	Strontium, Total		733	ug/L	0.185	EPA-200.8
8/13/2025 9:18	Strontium, Total		333	ug/L	0.185	EPA-200.8
8/20/2025 12:45	Strontium, Total		518	ug/L	0.185	EPA-200.8
8/27/2025 12:31	Strontium, Total		698	ug/L	0.185	EPA-200.8
7/30/2025 10:45	Sulfate		43.8	mg/L	1.88	EPA 300.0
8/6/2025 11:24	Sulfate		49.6	mg/L	0.94	EPA 300.0
8/13/2025 9:18	Sulfate		25.3	mg/L	0.94	EPA 300.0
8/20/2025 12:45	Sulfate		34.4	mg/L	0.94	EPA 300.0
8/27/2025 12:31	Sulfate		48.7	mg/L	1.88	EPA 300.0
7/30/2025 10:45	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/6/2025 11:24	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/13/2025 9:18	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/20/2025 12:45	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
8/27/2025 12:31	Thallium, Total	<	1.42	ug/L	1.42	EPA-200.8
7/30/2025 10:45	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/6/2025 11:24	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/13/2025 9:18	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/20/2025 12:45	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
8/27/2025 12:31	Tin, Total	<	5.61	ug/L	5.61	EPA-200.8
7/30/2025 10:45	Titanium, Total	J	2.23	ug/L	0.945	EPA-200.8
8/6/2025 11:24	Titanium, Total	J	1.79	ug/L	0.945	EPA-200.8
8/13/2025 9:18	Titanium, Total		31.9	ug/L	0.945	EPA-200.8
8/20/2025 12:45	Titanium, Total	J	4.29	ug/L	0.945	EPA-200.8
8/27/2025 12:31	Titanium, Total	J	1.37	ug/L	0.945	EPA-200.8

Brandywine Creek  
River Mile 0.45

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 10:45	Total Dissolved Solids		448	mg/L	5	SM2540 C
8/6/2025 11:24	Total Dissolved Solids		600	mg/L	5	SM2540 C
8/13/2025 9:18	Total Dissolved Solids		300	mg/L	5	SM2540 C
8/20/2025 12:45	Total Dissolved Solids		436	mg/L	5	SM2540 C
8/27/2025 12:31	Total Dissolved Solids		564	mg/L	5	SM2540 C
7/30/2025 10:45	Total Kjeldahl Nitrogen	J	0.485	mg/L	0.342	EPA351.2 (G)
8/6/2025 11:24	Total Kjeldahl Nitrogen	J	0.484	mg/L	0.342	EPA351.2 (G)
8/13/2025 9:18	Total Kjeldahl Nitrogen		0.926	mg/L	0.342	EPA351.2 (G)
8/20/2025 12:45	Total Kjeldahl Nitrogen	J	0.616	mg/L	0.342	EPA351.2 (G)
8/27/2025 12:31	Total Kjeldahl Nitrogen	J	0.457	mg/L	0.342	EPA351.2 (G)
7/30/2025 10:45	Total Solids		482	mg/L	18.8	SM2540 B
8/6/2025 11:24	Total Solids		584	mg/L	18.8	SM2540 B
8/13/2025 9:18	Total Solids		362	mg/L	18.8	SM2540 B
8/20/2025 12:45	Total Solids		440	mg/L	18.8	SM2540 B
8/27/2025 12:31	Total Solids		598	mg/L	18.8	SM2540 B
7/30/2025 10:45	Total Suspended Solids	J	1.9	mg/L	0.9	SM2540 D
8/6/2025 11:24	Total Suspended Solids	J	1	mg/L	0.9	SM2540 D
8/13/2025 9:18	Total Suspended Solids		79	mg/L	8.6	SM2540 D
8/20/2025 12:45	Total Suspended Solids		5.1	mg/L	0.9	SM2540 D
8/27/2025 12:31	Total Suspended Solids	J	1.9	mg/L	0.9	SM2540 D
7/30/2025 10:45	Turbidity		3.6	NTU	0.4	EPA 180.1
8/6/2025 11:24	Turbidity		1.4	NTU	0.4	EPA 180.1
8/13/2025 9:18	Turbidity		7.3	NTU	0.4	EPA 180.1
8/20/2025 12:45	Turbidity		14.8	NTU	0.4	EPA 180.1
8/27/2025 12:31	Turbidity		2.2	NTU	0.4	EPA 180.1
7/30/2025 10:45	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/6/2025 11:24	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/13/2025 9:18	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/20/2025 12:45	Vanadium, Total	<	8.5	ug/L	8.5	EPA-200.8
8/27/2025 12:31	Vanadium, Total	J	13.8	ug/L	8.5	EPA-200.8
7/30/2025 10:45	Water Temperature		24.13	°C		EPA 170.1
8/6/2025 11:24	Water Temperature		21.63	°C		EPA 170.1
8/13/2025 9:18	Water Temperature		23.25	°C		EPA 170.1
8/20/2025 12:45	Water Temperature		22.32	°C		EPA 170.1
8/27/2025 12:31	Water Temperature		18.1	°C		EPA 170.1

Brandywine Creek  
River Mile 0.45

Sample Date	Parameter	Code	Result	Units	MDL	Method
7/30/2025 10:45	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/6/2025 11:24	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/13/2025 9:18	Zinc, Total	J	21.8	ug/L	7.2	EPA-200.8
8/20/2025 12:45	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8
8/27/2025 12:31	Zinc, Total	<	7.2	ug/L	7.2	EPA-200.8