

Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-01
 Date Collected:
 07/26/18 09:40
 Matrix:
 Surface Water

 Sample ID:
 16-WEBA-15.1
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<b>Analyzed</b>	<u>Analyst</u>
Total Kjeldahl Nitrogen	3.8	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Phosphorus-Total	0.044	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	0.73	NJ	mg/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. loeven

Smith Environmental Laboratory is approved as an environmental testing laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct. This report must be reproduced in its entirety, with signed approval of Smith Environmental Laboratory.

Page 1 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-02
 Date Collected:
 07/26/18 10:00
 Matrix:
 Surface Water

 Sample ID:
 16-WEBA-13.1
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<b>Analyzed</b>	<u>Analyst</u>
Total Kjeldahl Nitrogen	7.9	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Phosphorus-Total	0.075	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	0.75	NJ	mg/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. loeven

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Page 2 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

 Lab ID:
 S031373-03
 Date Collected:
 07/26/18 09:00
 Matrix:
 Surface Water

 Sample ID:
 16-WEBA-21.2
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	3.2	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Phosphorus-Total	0.028	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	0.49	NJ	mg/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. loeven

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Page 3 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-04
 Date Collected:
 07/26/18 10:40
 Matrix:
 Surface Water

 Sample ID:
 16-MLHU-1.0
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	3.2	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Phosphorus-Total	0.040	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	0.59	NJ	ma/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. loeven

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Page 4 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

 Lab ID:
 S031373-05
 Date Collected:
 07/26/18 11:00
 Matrix:
 Surface Water

 Sample ID:
 16-WASS T2-0.1
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Phosphorus-Total	0.039	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Total Kjeldahl Nitrogen	4.6	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Ammonia as N	0.27	NJ	mg/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. Coeren

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Page 5 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-06
 Date Collected:
 07/26/18 11:15
 Matrix:
 Surface Water

 Sample ID:
 16-WASS-2.1
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Phosphorus-Total	0.028	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Total Kjeldahl Nitrogen	2.6	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Ammonia as N	0.56	NJ	mg/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. Coeren

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Page 6 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-07
 Date Collected:
 07/26/18 11:40
 Matrix:
 Surface Water

 Sample ID:
 16-WEBA-0.1
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

# **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<b>Analyzed</b>	<u>Analyst</u>
Total Kjeldahl Nitrogen	2.8	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Phosphorus-Total	0.037	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	0.38	NJ	mg/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. Coeren

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Page 7 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: **Housatonic Valley Assocation** 

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

Ten Mile River Watershed, NY **Project:** 

Lab ID: S031373-08 **Date Collected:** 07/26/18 13:00 Matrix: Surface Water **Date Received:** 07/26/18 17:06 Collected By: Jake Parise Sample ID: 16-TEN-8.6 Equip. Blank

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	2.1	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Phosphorus-Total	<0.020	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	<0.20	NJ, U	ma/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. Coeven

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Page 8 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

S031373-09

16-CHUR-0.1

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

Date Collected:07/26/18 12:30Matrix:Surface WaterDate Received:07/26/18 17:06Collected By:Jake Parise

Field Chlorine (mg/L):

Lab ID:

Sample ID:

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	1.9	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/15/18 08:00	RE
Phosphorus-Total	0.030	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	0.34	NJ	mg/L	0.20	SM 4500-NH3 B+D	08/08/18 08:45	RE

Smith Environmental Laboratory

Micole A. loeven

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Page 9 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 S031373-10
 Date Collected:
 07/26/18 13:00
 Matrix:
 Surface Water

 16-TEN-8.6
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

Lab ID:

Sample ID:

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	1.0	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/20/18 09:44	RE
Phosphorus-Total	0.034	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	<0.20	NJ, U	mg/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. loeven

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Page 10 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-11
 Date Collected:
 07/26/18 13:30
 Matrix:
 Surface Water

 Sample ID:
 16-MLLR-0.5
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<b>Analyzed</b>	<u>Analyst</u>
Total Kjeldahl Nitrogen	0.36	NJ	mg/L	0.20	500-N Org B + NH3 B +	08/20/18 09:44	RE
Phosphorus-Total	0.033	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	<0.20	NJ, U	mg/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. loeven

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Page 11 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-12
 Date Collected:
 07/26/18 14:40
 Matrix:
 Surface Water

 Sample ID:
 16-TEN-0.1
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	Results	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	7.0	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/20/18 09:44	RE
Phosphorus-Total	0.042	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	<0.20	NJ, U	mg/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. loeven

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Page 12 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-13
 Date Collected:
 07/26/18 14:30
 Matrix:
 Surface Water

 Sample ID:
 16-DEUH-0.1
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<b>Analyzed</b>	<u>Analyst</u>
Total Kjeldahl Nitrogen	2.5	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/20/18 09:44	RE
Phosphorus-Total	<0.020	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	<0.20	NJ, U	mg/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. Coeven

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Page 13 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

S031373-14

16-BURT-2.2

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Date Collected:07/26/18 13:45Matrix:Surface WaterDate Received:07/26/18 17:06Collected By:Jake Parise

Field Chlorine (mg/L):

Lab ID:

Sample ID:

# **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<b>Analyzed</b>	<u>Analyst</u>
Total Kjeldahl Nitrogen	1.3	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/20/18 09:44	RE
Phosphorus-Total	0.067	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	<0.20	NJ, U	mg/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. Coeren

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Page 14 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-15
 Date Collected:
 07/26/18 14:00
 Matrix:
 Surface Water

 Sample ID:
 16-SWMP-6.8
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u> Analyzed</u>	<u>Analyst</u>
Phosphorus-Total	0.078	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Total Kjeldahl Nitrogen	9.6	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/20/18 09:44	RE
Ammonia as N	0.27	NJ	ma/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. Coeven

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Page 15 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

Surface Water

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

**Lab ID:** S031373-16 **Date Collected:** 07/26/18 11:00 **Matrix:** 

Sample ID: 16-WASS T2-0.1 Field Duplicate Date Received: 07/26/18 17:06 Collected By: Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Phosphorus-Total	0.041	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Total Kjeldahl Nitrogen	4.2	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/20/18 09:44	RE
Ammonia as N	<0.20	NJ, U	mg/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. Coeven

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Page 16 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID:S031373-17Date Collected:07/26/18 11:40Matrix:Surface WaterSample ID:16-WEBA-0.1 Field DuplicateDate Received:07/26/18 17:06Collected By:Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	6.5	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/20/18 09:44	RE
Phosphorus-Total	0.033	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	<0.20	NJ, U	mg/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. Coeven

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Page 17 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

 Lab ID:
 S031373-18
 Date Collected:
 07/26/18 11:00
 Matrix:
 Surface Water

 Sample ID:
 16-WASS T2-0.1 Field Spike
 Date Received:
 07/26/18 17:06
 Collected By:
 Jake Parise

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	9.1	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/23/18 08:50	RE
Phosphorus-Total	0.28	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	11	NJ	mg/L	0.20	SM 4500-NH3 B+D	08/23/18 08:32	RE

Smith Environmental Laboratory

Micole A. Coeven

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Page 18 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: **Housatonic Valley Assocation** 

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

Ten Mile River Watershed, NY **Project:** 

S031373-19 **Date Collected:** 07/26/18 11:40 Matrix:

Lab ID: Surface Water **Date Received:** 07/26/18 17:06 Collected By: Jake Parise Sample ID: 16-WEBA-0.1 Field Spike

Field Chlorine (mg/L):

## **General Chemistry Parameters**

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u> Analyzed</u>	<u>Analyst</u>
Total Kjeldahl Nitrogen	9.8	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/23/18 08:50	RE
Phosphorus-Total	0.30	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Ammonia as N	9.3	NJ	ma/L	0.20	SM 4500-NH3 B+D	08/23/18 08:32	RE

Smith Environmental Laboratory

Micole A. Coeven

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Page 19 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: **Housatonic Valley Assocation** 

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

Ten Mile River Watershed, NY **Project:** 

Lab ID: S031373-20 **Date Collected:** 07/26/18 12:30 Matrix:

Surface Water **Date Received:** 07/26/18 17:06 Collected By: Jake Parise Sample ID: 16-CHUR-0.1 Equip Blank

Field Chlorine (mg/L):

**General Chemistry Parameters** 

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Analyst</u>
Phosphorus-Total	<0.020	NJ	mg/L	0.020	SM 4500-P B5 + E	08/06/18 14:41	KK
Total Kjeldahl Nitrogen	3.3	NJ	mg/L	0.40	500-N Org B + NH3 B +	08/20/18 09:44	RE
Ammonia as N	<0.20	NJ, U	mg/L	0.20	SM 4500-NH3 B+D	08/14/18 08:50	RE

Smith Environmental Laboratory

Micole A. Coeven

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Page 20 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

**Project:** Ten Mile River Watershed, NY

Ammonia, TKN, and Total Phosphorus analyses performed by ELAP #12046.

## Field Spike Recovery Data (Performed by Elap # 12046)

Ammonia Spiking Level = 10.0 mg/L Recovery Limit (63-146%) TKN Spiking Level = 10.0 mg/L Recovery Limit (52-154%)

Total Phosphorus Spiking Level= 0.200 mg/L Recovery Limit (56-132%)

#### 16-WASS T2-0.1

Ammonia Result = 0.56 mg/L, Ammonia Field Spike Result = 10.816 mg/L, Recovery = 102.6 % TKN Result = 2.60 mg/L, TKN Field Spike Result = 9.12 mg/L, Recovery = 63.2 % Total Phosphorus Result = 0.028 mg/L, Field Spike Result = 0.279 mg/L, Recovery = 125.5 %

#### 16-WEBA-0.1

Ammonia Result = 0.38 mg/L, Ammonia Field Spike Result = 9.264 mg/L, Recovery = 88.8% TKN Result = 2.80 mg/L, TKN Field Spike Result = 9.82 mg/L, Recovery = 70.2 % Total Phosphorus Result = 0.037 mg/L, Field Spike Result = 0.297 mg/L, Recovery = 130.0 %

-SW 9/10/18

New Jersey Analytical Laboratories

Smith Environmental Laboratory

Micole A. Coeven

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Page 21 of 22



Lab No:

PO:

Reported:

S031373

09/11/18

NY ELAP ID: 10924 / NJ: NY032 / CT: PH-0140

Report To: Housatonic Valley Assocation

150 Kent Rd. South

Cornwall Bridge, CT 06754

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

#### **Notes and Definitions**

U Compound not detected

NJ Analysis Performed by NYSDOH ELAP #12046

D Sample required dilution due to elevated concentration above calibration range or matrix interference. Reporting limit

elevated.

≥ Greater than or equal to reporting limit

> Greater than reporting limit RDL Reporting Detection Limit

MCL/AL Maxium Contaminant Level/Action Level

< Less than reporting limit

 $\leq$  Less than or equal to reporting limit

mg/L Milligrams per Liter
ug/L Micrograms per Liter
NTU Nephelometric Units

T.O.N. Threshold Odor Number at 60 degrees C.

umho/cm Micromhs per centimeter
MPN Most Probable Number
CFU Colony Forming Units

E1 Estimated, the result presented is greater than, ">" the number shown.

SUB Analysis performed by a subcontract laboratory

Smith Environmental Laboratory

Micole A. Coeven

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Page 22 of 22

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Fax: 845-229	9-6538 Yes No			·····				ort requested:	Receipt				_
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Order ID No:			(	Check Or	ne)	Treatment Type &	Date &		Container &	Sample	Meets Therm.	Meets Chem.	
3031373 Sample No:	Sample Identification	Matrix	Grab	Comp # hrs	First Draw	Residual	Time Sampled	1	Preservative	Temp.	Pres. Y/N/NA	Pres. Y/N/NA	
- 01	16-WEBA-15.1	sw	X				7/26/13 1:40/M	TKN, NM3, 10+91	1 Lp1	6.4	Y	N	
- 02	16-NEBA-13.1	Sw	X				7/26/13 10:00AM	TKN, NHI, TOTAL	1Lp1	6.8	У	N	
~ 03	16-WEBA-71.2	5~	X				7/20/10 9:00AM 7/20/13	phos	ILPI	7.4	<u> </u>	N	
- 04	16-MLHU-1.0	[W	X				10:40AM	pho/	1LP1	7.5	<u> </u>	N	
~ 05	0 PP 12 D:	SW	×				7/26/13	pha:	ILpl	8-9	Y	N	
- 06	16-VAS, -2, 1	5~	X				11:15 AM	TKH, HH3, TOTAL	TLPI	10.8	<u>Y</u>	N	
- 07	16. UBBA-0.1	5W	X				MACH: II		ILPI	14.1	Y	N	7
~~	H6=BVIVI-0-1	Law-	$\perp \times$				12:43/7	phor		_			1/2
- 09	16-CHUR-0, 1	SW	Х				75:36:32	TKN, WH3, photoster	1 Lpl	(O.V)	<u>Y</u>	N	4.
- 10	16.一ナセルー3.6	5W	X	İ			4 PM	TKY, V/13, total	ILPI	13.9	<u> </u>	N	_
perform the analy	at Smith Environmental Laboratory (SEL) r sis. I agree to allow samples be sent to a sub-	eserves the laborator	right to	_(Title) subconti discretion	ract testic	↓ L f	OH ELAP and	ereby affirm that the information aboured lab which holds required censible for payment at time of receipt,	rtifications in the c	vent that it i	is unable	to	
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Sample(s) received	/ \				Com	iments:							
In Correct Bottle: On Ice: Yes No	(es)No*Refer to back of chain for tests requiring the	rmal preserv	vation.										_
Note: Thermal preserva	tion is met when samples are received ≤6°C. If temperature is	greater than 6°	C, samples	wili be	Sam	ples are subjec	ct to our terms a	md conditions found at http://www.si	nithlaboratory.com	terms/			
3	et thermal preservation if received in sufficient ice within 8 ho g chemical preservation which are received unpreserved will b			ry at the tune	Smith E	Environmental L	aboratory Chain o	fCustody M-1 Rev 2 Data Ro	eview: Mgr		Date	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

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4 Scenic Drive         Hyde Park, NY 12538-1313       Copy results to         Phone: 845-229-6536       Local Health I         Fax: 845-229-6538       Yes No	Dept. email:					RUSH(s ** Date repo	Time: Standard	Amt Pai Pmt Met Receipt	thod:		C aped
Client Name: flowsafaic valley as so a  Mailing Address: 15 Kent Pd. So	1940 14	Client Email	Phone or Fax	No: <u> </u>	360-6 4).H	172-6 VAQO	67% Project/Facility				
Corn Wall bridge, CT							PWS Fed ID No				
LAB USE ONLY CLIENT: COMPLE	TE THE	SAMI	LE IN	FORM	ATION IN	THE SPAC	E PROVIDED BELOW		LAB	USE ON	LY
Order ID No:  S031373 Sample Identification	Matrix	(	Check On Comp # hrs		Treatment Type & Residual	Date & Time Sampled	Analysis Requested	Container & Preservative	Sample Temp. *C	Meets Therm. Pres. Y/N/NA	Meets Chem. Pres. Y/N/NA
Sample No: 16-7FY-3.6 Eaxi P. Blank	SW	X				7/26/13 1 pm	TKYINM3, Total	)LP!	15.5	Y	1
@ ?  24  18											
Sampled By: (Name) Jake Paile  I acknowledge that Smith Environmental Laboratory (SEL) r perform the analysis. I agree to allow samples be sent to a sul	eserves the	right to	(Title) subcontr	oct testin	o to a NVS D	OH FLAP ann	reby affirm that the information abouroved lab which holds required cessible for payment at time of receipt,	rtifications in the e	vent that it	is unable	to
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Sample Relinquished By:			Recei	ved at La	b Ву:			Date: 7/2	10/ إعا	ime: L	106
Sample(s) received: In Correct Bottle: Yes No On Ice Yes No *Refer to back of chain for tests requiring the	rmal preser	vation		Com	ments:	4 - 1					
On Ice? Yes 510 *Refer to back of chain for tests requiring the  Note: Thermal preservation is met when samples are received ≤6°C. If temperature is considered to meet thermal preservation if received in sufficient ice within 8 has	greater than 6°	C, samples	will be	Samj	ples are subje	ct to our terms a	nd conditions found at http://www.si	mithlaboratory.com	/Ierms/		
Note: Samples requiring chemical preservation which are received unpreserved will to freceipt.			ry at the time	Smith E	Environmental L	aboratory Chain o	f Custody M-1 Rev 2 Data R	eview: Mgr		Date	

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Order ID No:	·			Check Or		Treatment Type &	Date &	A P !-	Container &	Sample	Meets Therm.	Meets Chem.
3031373 Sample No:	Sample Identification	Matrix	Grab	Comp # hrs	First Draw	Residual	Time Sampled	Analysis Requested	Preservative	Temp.	Pres. Y/N/NA	Pres. Y/N/NA
- []	16-MLLP-D.5	5	×				7/26/18	TKH, NH3, Total	1Lp1	17.3	У	N
- 12	16-TEV-0.1	ムア	X				7/26/18 2:40PM	10 hospores	ILPI	14.5	<u> </u>	N
- 13	16- DEUH-D. 1	SW	X				2:3000	+ KM, MM3, Total	1 Lp1	11.7	<u>Y</u>	N
- 14	16-BVAT-2.2	5 W	X				7/26/19	TKM, NH32 Jotai	ILPI	19.0	Y	N
- 15	16-5NMP-6.3	sw	X			:	71261B	TKM, NH3, TOTA,	1 Lpl	14.4	У	N.
- 16	16 - VAST-TZ-0. PUPLING	56	X				1 1 # M	TKN, N/13 total	160	11.6	Y	N
- 17	Doblicato	SW	X				7/26/120 11:40AM	TKY, WH3170+U	1Lpl	15.3	Y	N
- 19	16-WASS-TZ-ONKE	56	X					TKN, VH3, total	1LP1	11.4	Y	M
	16-VERA-ON PERSONA	<del></del>	Х				111110000	TKN, NAZITATON	ILPI	15.1	LY_	IV.
- 20	16 CHUR- O. I BROWN	56	X				12010	TKN1 1131 total	1 Lpl	12.4	<u> </u>	
Sampled By: (N I acknowledge that perform the analysi	Smith Environmental Laboratory (SEL) reis. I agree to allow samples be sent to a sub	serves the	right to	_(Title) subcontr discretion	act testin	Q € へ g to a NYS D I also afĭirm	OH ELAP app	reby affirm that the information abov roved lab which holds required cer sible for payment at time of receipt, t	tifications in the e	vent that it	is unable	to
Sample Relinqu	nished By: <u>IR P. Acci</u>			Re	ceived By		a	<u> </u>	Date:	Ti <b>م</b> ا ر	ime:	7 / /
Sample Relinquished	i By:			Recei	ved at Lat	Ву:		<i>)</i>	Date:	<u> </u>	ime: <u>l</u>	100
Sample(s) received:	<u> </u>				Com	nents:						
In Correct Bottle: Y	(es <b>)</b> No							10-4-10-10-10-10-10-10-10-10-10-10-10-10-10-		***		
On Ice (Yes No	Refer to back of chain for tests requiring ther	mal preserv	vation.		-							
Note: Thermal preservation	on is met when samples are received \$6°C. If temperature is	greater than 6°	C, samples	will be	Samp	les are subjec	t to our terms at	nd conditions found at http://www.sm	ithlaboratory.com/	terms/		

Smith Environmental Laboratory Chain of Custody M-1 Rev 2

Data Review: Mgr \_\_\_\_\_ Date\_\_

Note: Samples requiring chemical preservation which are received unpreserved will be preserved at the laboratory at the time of receipt.