



Smith Environmental Laboratory
4 Scenic Drive
Hyde Park, NY 12538
845-229-6536

CERTIFICATE OF ANALYSIS

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

Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-01
Sample ID: 16-WEBA-21.2

Date Collected: 09/06/18 09:12
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.36		mg/L	0.10	EPA 300.0 Rev 2.1	09/08/18 03:31	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/08/18 03:31	BR

Smith Environmental Laboratory

Nicole Coenen For Noelle Zielinski, Lead Technical Director

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

Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-02
Sample ID: 16-WEBA-21.2 Duplicate

Date Collected: 09/06/18 09:12
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.36		mg/L	0.10	EPA 300.0 Rev 2.1	09/08/18 03:50	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/08/18 03:50	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-03
Sample ID: 16-WEBA-15.1

Date Collected: 09/06/18 09:50
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.71		mg/L	0.10	EPA 300.0 Rev 2.1	09/08/18 04:10	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/08/18 04:10	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-04
Sample ID: 16-WEBA-15.1 Blank

Date Collected: 09/06/18 09:50
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.02	J	mg/L	0.10	EPA 300.0 Rev 2.1	09/08/18 04:29	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/08/18 04:29	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-05
Sample ID: 16-WEBA-13.1

Date Collected: 09/06/18 10:30
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.65		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 14:31	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 14:31	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-06

Date Collected: 09/06/18 11:00

Matrix: Surface Water

Sample ID: 16-MLHU-1.0

Date Received: 09/07/18 09:15

Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.20		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 14:50	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 14:50	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-07
Sample ID: 16-WASS T2-0.1

Date Collected: 09/06/18 11:45
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.40		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 15:10	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 15:10	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-08

Date Collected: 09/06/18 11:30

Matrix: Surface Water

Sample ID: 16-WASS 2.1

Date Received: 09/07/18 09:15

Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.49		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 15:29	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 15:29	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-09
Sample ID: 16-WEBA-0.1

Date Collected: 09/06/18 12:10
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.33		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 15:49	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 15:49	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-10
Sample ID: 16-BUTH-0.4

Date Collected: 09/06/18 12:35
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.76		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 16:47	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 16:47	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-11
Sample ID: 16-CHUR-0.1

Date Collected: 09/06/18 13:20
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.36		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 17:07	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 17:07	BR

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

Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-12

Date Collected: 09/06/18 13:40

Matrix: Surface Water

Sample ID: 16-TEN-8.6

Date Received: 09/07/18 09:15

Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.32		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 17:26	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 17:26	BR

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

Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-13

Date Collected: 09/06/18 14:20

Matrix: Surface Water

Sample ID: 16-MLLR-0.5

Date Received: 09/07/18 09:15

Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.22		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 18:44	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 18:44	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-14

Date Collected: 09/06/18 15:00

Matrix: Surface Water

Sample ID: 16-BURT-2.2

Date Received: 09/07/18 09:15

Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.65		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 19:04	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 19:04	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-15

Date Collected: 09/06/18 14:00

Matrix: Surface Water

Sample ID: 16-SWMP-0.1

Date Received: 09/07/18 09:15

Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.12		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 19:23	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 19:23	BR

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Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-16

Date Collected: 09/06/18 14:40

Matrix: Surface Water

Sample ID: 16-SWMP-6.8

Date Received: 09/07/18 09:15

Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.02	J	mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 19:43	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 19:43	BR

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

Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-17
Sample ID: 16-DEUH-0.1

Date Collected: 09/06/18 15:55
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.21		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 20:02	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 20:02	BR

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

Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-18

Date Collected: 09/06/18 15:35

Matrix: Surface Water

Sample ID: 16-TEN-0.1

Date Received: 09/07/18 09:15

Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.24		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 20:22	BR
Nitrite as N	<0.05	U	mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 20:22	BR

Smith Environmental Laboratory

Nicole Coenen For Noelle Zielinski, Lead Technical Director

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Page 18 of 21



Smith Environmental Laboratory
4 Scenic Drive
Hyde Park, NY 12538
845-229-6536

CERTIFICATE OF ANALYSIS

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

Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754

Lab No: S032664
Reported: 09/26/18
PO:

Attention: Michael Jastremski

Project: Ten Mile River Watershed, NY

Lab ID: S032664-19
Sample ID: 16-WEBA-21.2 Spike
Field Chlorine (mg/L):

Date Collected: 09/06/18 09:12
Date Received: 09/07/18 09:15

Matrix: Surface Water
Collected By: Lindsay Keener-Eck

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>
Nitrate as N	0.84		mg/L	0.10	EPA 300.0 Rev 2.1	09/07/18 18:05	BR
Nitrite as N	0.46		mg/L	0.05	EPA 300.0 Rev 2.1	09/07/18 18:05	BR

Smith Environmental Laboratory

Nicole Coenen For Noelle Zielinski, Lead Technical Director

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Smith Environmental Laboratory
4 Scenic Drive
Hyde Park, NY 12538
845-229-6536

CERTIFICATE OF ANALYSIS

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

**Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754**

Attention: Michael Jastremski

**Lab No: S032664
Reported: 09/26/18
PO:**

Project: Ten Mile River Watershed, NY

NITRITE AND NITRATE FIELD SPIKE RECOVERY DATA (EPA 300.0)

Concentration of Nitrite Spike: 0.5 mg/L

Concentration of Nitrate Spike: 0.5 mg/L

S032664-01 (16-WEBA-21.2)

Nitrite Concentration= < 0.05 mg/L

Nitrate Concentration= 0.36 mg/L

S032664-19 (16-WEBA-21.2-Spike)

Nitrite Field Spike Result = 0.46 mg/L, Recovery= 92% (Spike Recovery Limits: 90-110%)

Nitrate Field Spike Result= 0.84 mg/L, Recovery= 96% (Spike Recovery Limits: 90-110%)

Smith Environmental Laboratory

Nicole Coenen For Noelle Zielinski, Lead Technical Director

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Smith Environmental Laboratory
4 Scenic Drive
Hyde Park, NY 12538
845-229-6536

CERTIFICATE OF ANALYSIS

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

Report To: Housatonic Valley Association
150 Kent Rd. South
Cornwall Bridge, CT 06754
Attention: Michael Jastremski

Lab No: S032664
Reported: 09/26/18
PO:

Project: Ten Mile River Watershed, NY

Notes and Definitions

U	Compound not detected
J	Estimated value above the Method Detection Limit (MDL), but below the Reporting Limit (RL).
\geq	Greater than or equal to reporting limit
>	Greater than reporting limit
RDL	Reporting Detection Limit
MCL/AL	Maximum 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	Micromhos 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

Nicole Coenen For Noelle Zielinski, Lead Technical Director

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Page 21 of 21



4 Scenic Drive, Hyde Park, NY 12538

Dear Client,

Attached please find the Certificates of Analysis detailing the test results for your samples.

The information contained in this report is true and accurate to the best of our knowledge. Smith Laboratory makes no guarantee or warranty in respect to this report and assumes no liability in excess of the amount invoiced. If you have questions regarding its contents or if you require and further assistance, please do not hesitate to call, (845) 229-6536. We look forward to serving you in the future.

Sincerely,

Noelle Zielinski
Lead Technical Director



Wednesday, September 19, 2018

Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Project ID: HOUSATONIC VALLEY ASSOCIATION
Sample ID#s: CB28259 - CB28275

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

9:50
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28259

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-03A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.15	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.014	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

9:50
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28260

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-04A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	< 0.10	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	< 0.010	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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September 19, 2018

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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

10:30
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28261

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-05A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.28	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.099	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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September 19, 2018

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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

11:00
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28262

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-06A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.19	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.020	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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September 19, 2018

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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
09/06/18	11:45
09/11/18	13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28263

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-07A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.18	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.032	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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September 19, 2018

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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

11:30
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28264

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-08A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.18	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.027	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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September 19, 2018

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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

12:10
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28265

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-09A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.18	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.020	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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September 19, 2018

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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date	Time
09/06/18	12:35
09/11/18	13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28266

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-10A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.14	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.022	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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September 19, 2018

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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

13:20
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28267

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-11A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.20	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.064	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

13:40
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28268

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-12A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.24	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.022	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

14:20
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28269

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-13A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.18	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.027	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

15:00
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28270

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-14A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.23	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.028	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

14:00
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28271

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-15A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.18	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.025	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

14:40
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28272

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-16A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.45	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.118	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date	Time
09/06/18	15:55
09/11/18	13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28273

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-17A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	< 0.10	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	< 0.010	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

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Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

15:55
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28274

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-18A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/15/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.27	0.10	mg/L	1	09/15/18	KDB	E351.1
Phosphorus, as P	< 0.010	0.010	mg/L	1	09/18/18	JR	SM4500PE-11

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 19, 2018

FOR: Attn: Noelle Zielinski
Smith Laboratory
4 Scenic Drive
Hyde Park NY 12538

Sample Information

Matrix: SURFACE WATER
Location Code: SMITHLAB
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/06/18
09/11/18

Time

9:12
13:17

Laboratory Data

SDG ID: GCB28259
Phoenix ID: CB28275

Project ID: HOUSATONIC VALLEY ASSOCIATION
Client ID: SO32664-19A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	09/14/18	KDB	E350.1
Nitrogen Tot Kjeldahl	0.34	0.10	mg/L	1	09/14/18	KDB	E351.1
Phosphorus, as P	0.015	0.010	mg/L	1	09/18/18	JR	SM4500PE-11
Client MS/MSD	Completed				09/18/18		

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 19, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

September 19, 2018


QA/QC Data

SDG I.D.: GCB28259

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 447833 (mg/L), QC Sample No: CB28258 (CB28259, CB28260, CB28261, CB28262, CB28263, CB28264, CB28265, CB28266, CB28267, CB28268, CB28269, CB28270)													
Phosphorus, as P	BRL	0.01	<0.010	<0.010	NC	102			101			85 - 115	20
Comment: Additional criteria matrix spike acceptance range is 75-125%.													
QA/QC Batch 447459 (mg/L), QC Sample No: CB28274 (CB28274)													
Ammonia as Nitrogen	BRL	0.05	<0.05	<0.05	NC	91.2			98.0			90 - 110	20
Nitrogen Tot Kjeldahl	BRL	0.10	0.27	0.23	NC	98.8			95.5			85 - 115	20
Comment: TKN is reported as Organic Nitrogen in the Blank, LCS, DUP and MS.													
QA/QC Batch 447361 (mg/L), QC Sample No: CB28275 (CB28259, CB28260, CB28261, CB28262, CB28263, CB28264, CB28265, CB28266, CB28267, CB28268, CB28269, CB28270, CB28271, CB28272, CB28273, CB28275)													
Ammonia as Nitrogen	BRL	0.05	<0.05	<0.05	NC	95.7			94.5			90 - 110	20
Nitrogen Tot Kjeldahl	BRL	0.10	0.34	0.30	NC	99.8			76.5			85 - 115	20
Comment: TKN is reported as Organic Nitrogen in the Blank, LCS, DUP and MS.													
QA/QC Batch 447834 (mg/L), QC Sample No: CB28275 (CB28271, CB28272, CB28273, CB28274, CB28275)													
Phosphorus, as P	BRL	0.01	0.015	0.010	NC	102			98.2			85 - 115	20
Comment: Additional criteria matrix spike acceptance range is 75-125%.													

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
September 19, 2018

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCB28259 - SMITHLAB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

September 19, 2018

SDG I.D.: GCB28259

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

September 19, 2018

SDG I.D.: GCB28259

The samples in this delivery group were received at 1.6°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

CHAIN OF CUSTODY RECORD



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐
Temp 10C Pg of 1
Data Delivery/Contact Options:
Fax: ☐
Phone: ☐
Email: ☐


Customer: SMITH LABORATORY
Address: 4 scenic Drive
Hyde Park, NY
12538
Project P.O.: Hydrotect Valley Association
Report to: Smith Subreports & general
Invoice to:

Client Sample - Information - Identification
Sampler's Signature: client Date:
Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water VW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil
B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
28259	SC32664-01A	SW	9-6-18	9:12	X X X
28260	SC32664-02A			9:50	
28261	SC32664-03A			10:30	
28262	SC32664-04A			11:00	
28263	SC32664-05A			11:45	
28264	SC32664-06A			11:30	
28265	SC32664-07A			12:10	
28266	SC32664-08A			12:35	
28267	SC32664-09A			13:20	
28268	SC32664-10A			13:40	
28269	SC32664-11A				
28270	SC32664-12A				

Relinquished by: AK Accepted by: VRS
Date: 9-10-18 Time: 1400
RI ☐ Direct Exposure (Residential) ☐ GW ☐ Other ☐
GI ☐ RCP Cert ☐ GW Protection ☐ SW Protection ☐ GA Mobility ☐ GB Mobility ☐ Residential DEC ☐ IJC DEC ☐ Other ☐
MA ☐ MCP Certification ☐ GW-1 ☐ GW-2 ☐ GW-3 ☐ S-1 ☐ S-2 ☐ S-3 ☐ MWRA eSMART ☐ Other ☐
Data Format: ☐ Excel ☐ PDF ☐ GIS/Key ☐ EQUS ☐ Other ☐
Data Package: ☐ Tier II Checklist ☐ Full Data Package ☐ Phoenix Std Report ☐ Other ☐
Turnaround: ☐ 1 Day ☐ 2 Days ☐ 3 Days ☒ Standard
Comments, Special Requirements or Regulations:
Please run SC32664-19A as MS/MSD. This sample correlates with -01A and -02A (its duplicate)

Analytical Parameter Request – In-Stream

Project #: 20140654.W10	Date Sampled: 9/11/18	 FUSS & O'NEILL
Project Name: North Branch Park River	Date Submitted: 9/11/18	
Laboratory: Phoenix	Submitter: Fuss & O'Neill, Inc.	

Report/Invoice to: Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040	Attention: Kristin Connell Phone #: 860-646-2469 x5201
Special Instructions: Bacteria concentrations could be on the order of 10 ⁴ – plan dilutions accordingly.	Client is tax exempt (Metropolitan District Commission)

COC #	Sample ID	COC #	Sample ID	COC #	Sample ID
39306	1492180911-S1	39306	1492180911-MS		
↓	-S2	↓	-FB		
↓	-S6	↓	-S3		
↓	-S1B	↓	-S4		
↓	-S18D	↓	-S5		
↓	-MSD				

Comments:	
1	Blank(s) included in sample
1	Duplicate(s) included in sample

Requested Parameters

Parameter	Method
E.coli	SM 9223B
Chemical Oxygen Demand (COD)	SM 5220D
Hardness (CaCO ₃)	EPA 200.7
Oil & Grease	EPA 1664A
Total Kjeldahl Nitrogen (TKN)	EPA 351.1
Total Phosphorus	SM 4500PE
Total Suspended Solids (TSS)	SM 2540D
Turbidity	SM 2130B
Dissolved Copper, Lead & Zinc	SW6010C
Total Copper, Lead & Zinc	SW6010C

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐

CHAIN OF CUSTODY RECORD



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery/Contact Options:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fax:	Phon	Email

Temb. Loc Pg of

Customer: SMITH LABORATORY

Address: 4 Scenic Drive

Hyde Park NY

~~12538~~

Project:

Report to:

Invoice to:

Project P.O.:

Hauschen Viller Association

smithsbreport@gmail.com

2017

mission section MUST be completed with Bottle Quarantine

Client Sample - Information - Identification

client

Date:

Matrix Code:
 DDW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=W/lpe OIL=Oil
 B=Bulk L=Liquid

Analysis Request

Client Sample - Information - Identification				Analysis Request	
Sampler's Signature	Client	Date:			
Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil B=Bulk L=Liquid					
PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	
28271	SC32664-13A	SW	9-6-18	14:20	X
28272	SC32664-14A			15:00	X
28273	SC32664-15A			14:00	
28274	SC32664-16A			14:40	
28275	SC32664-17A			15:55	
28276	SC32664-18A			15:55	
28277	SC32664-19A			9:12	

Relinquished by:

Accepted by:

Date: _____ Time: _____

RI

MA

Data Format

Comments, Special Requirements or Regulations:

Message RN SC32664-19A as MS/MST.
Comments, Special Requirements or Regulations:
this sample correlates with -c1A and
-c2A (its duplicate).

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard

☐ GB Mobility

☐ Residential DEC

☐ I/C DEC

☐ Other

☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART

<input type="checkbox"/>	Tier II Checklist
<input type="checkbox"/>	Full Data Package*
<input type="checkbox"/>	Phoenix Std Report
<input type="checkbox"/>	Other

CHAIN OF CUSTODY

LAB USE ONLY

SMITH ENVIRONMENTAL LABORATORY
 4 Scenic Drive
 Hyde Park, NY 12538-1313
 Phone: 845-229-6536
 Fax: 845-229-6538

Copy results to
 Local Health Dept.
 Yes No email:

Turnaround Time: Standard
 RUSH (surcharge applies)
 ** Date report requested:

Client Name: Housatonic Valley Association

Client Phone No: (860) 672-6678

Project/Facility Name:

Mailing Address: 150 Kent Road South, Cornwall
 Bridge, CT 06754

Email or Fax No.: mj.lhva@outlook.com

Location: Ten Mile River Watershed New York

Copy Report To:

PWS Fed ID No: NY -

LAB USE ONLY

CLIENT: COMPLETE THE SAMPLE INFORMATION IN THE SPACE PROVIDED BELOW

LAB USE ONLY

Order ID No.	Sample Identification	Matrix	Grab	Comp	First	Draw	Treatment	Date & Time	Analysis	Container & Preservative	Sample Temp. °C	Meets Therm. Pres. Y/N/NA	Meets Chem. Pres. Y/N/NA
5032604													
-01AB	16-WABA-21.2	SW	✓					9/6/2018 9:12	TKN, NH3, T. Phos., NO2, NO3	12.1	14.5	Y	N
-02AB	16-WABA-21.2 Duplicate	SW	✓					9/6/2018 9:12	Same as above	12.4	14.7	Y	N
-03AB	16-WABA-15.1	SW	✓					9/6/2018 9:50	TKN, NH3, T. Phos., NO2, NO3	12.4	14.9	Y	N
-04AB	16-WABA-15.1 Blank	SW	✓					9/6/2018 9:50	TKN, NH3, T. Phos., NO2, NO3	12.4	14.8	Y	N
-05AB	16-WABA-13.1	SW	✓					9/6/2018 10:30	TKN, NH3, T. Phos., NO2, NO3	12.8	14.8	Y	N
-06AB	16-WABA-13.1	SW	✓					9/6/2018 11:00	TKN, NH3, T. Phos., NO2, NO3	12.8	14.4	Y	N
-07AB	16-MLHU-1.0	SW	✓					9/6/2018 11:45	TKN, NH3, T. Phos., NO2, NO3	12.1	14.3	Y	N
-08AB	16-WASS-T2-0.1	SW	✓					9/6/2018 11:50	TKN, NH3, T. Phos., NO2, NO3	12.1	14.9	Y	N
-09AB	16-WASS-2.1	SW	✓					9/6/2018 12:10	TKN, NH3, T. Phos., NO2, NO3	12.1	14.9	Y	N
-10AB	16-WABA-0.1	SW	✓										

Sampled By: (Name) Lindsay Keener-Eck (Title) _____
 I acknowledge that Smith Environmental Laboratory (SEL) reserves the right to subcontract testing to a NYS DOH ELAP approved lab which holds required certifications in the event that it is unable to perform the analysis. I agree to allow samples be sent to a sub laboratory at the discretion of SEL. I also affirm that I am responsible for payment at time of receipt, unless other arrangements are approved in advance.

Sample Relinquished By: Lindsay Keener-Eck

Sample Relinquished By:

Received By: ERB

Date: 9/7/18 Time: 09:00
 Date: 9/7/18 Time: 9:15

Sample(s) received: In Correct Bottle Yes No

On Ice: Yes No *Refer to back of chain for tests requiring thermal preservation.

Note: Thermal preservation is not when samples are received at 5°C. If temperature is greater than 6°C, samples will be considered to meet thermal preservation if received in sufficient ice within 8 hours of collection.

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

Comments:

Samples are subject to our terms and conditions found at <http://www.smithlaboratory.com/terms/>

Smith Environmental Laboratory Chain of Custody M-1 Rev 2

Data Review: Mgr

Date

SMITH ENVIRONMENTAL LABORATORY
 4 Scenic Drive
 Hyde Park, NY 12538-1313
 Phone: 845-229-6536
 Fax: 845-229-6538

Copy results to
 Local Health Dept.
 Yes ☐ No ☐ email: _____

Turnaround Time: Standard
 RUSH (surcharge applies)
 ** Date report requested: _____

Am't Due: _____
 Am't Paid: _____
 Pmt Method: _____
 Receipt No: _____

Client Name: Housatonic Valley Association
 Client Phone No: (860) 672-6678
 Project/Facility Name: _____

Mailing Address: 150 Kent Road South, Cornwall
 Bridge, CT 06754
 Email or Fax No.: mj.hva@outlook.com
 Location: Ten Mile River Watershed New York

Copy Report To: _____ PWS Fed ID No: NY- _____

LAB USE ONLY CLIENT: COMPLETE THE SAMPLE INFORMATION IN THE SPACE PROVIDED BELOW LAB USE ONLY

Order ID No:	Sample Identification	Matrix	Grab	Comp	First	Treatment	Date & Time	Analysis	Container & Preservative	Sample Temp	Meets	Meets
Sample No:			#	his	Draw	Type & Residual	Sampled	Requested		°C	Therm. Pres. Y/N/A	Chem. Pres. Y/N/A
503210104	16-BUTH-0.4	SW	✓				9/6/2018 12:35	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	11.4	Y	N/A
10AB	16-CHUR-0.1	SW	✓				9/6/2018 13:20	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	11.4	Y	N/A
11AB	16-TEN-8.6	SW	✓				9/6/2018 13:40	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	12.5	Y	N/A
12AB	16-MELR-0.5	SW	✓				9/6/2018 14:20	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	10.7	Y	N/A
13AB	16-BURT-2.2	SW	✓				9/6/2018 15:00	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	13.8	Y	N/A
14AB	16-SWMP-0.1	SW	✓				9/6/2018 14:00	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	9.9	Y	N/A
15AB	16-SWMP-6.8	SW	✓				9/6/2018 14:40	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	12.9	Y	N/A
16AB	16-DEUH-0.1	SW	✓				9/6/2018 15:35	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	11.5	Y	N/A
17AB	16-TEN-0.1	SW	✓				9/6/2018 15:35	TKN, NH3, T. Phos., NO2, NO3	1601 V2LP1	12.5	Y	N/A
18AB	16-MEGA-21.2 - Spike	SW	✓				9/6/2018 15:42	Same as above	1601 V2LP1	12.1	Y	N/A

Sampled By: (Name) Lindsey Kenner-Eck (Title) NYS Project Manager
 I acknowledge that Smith Environmental Laboratory (SEL) reserves the right to subcontract testing to a NYS DOH-ELAP approved lab which holds required certifications in the event that it is unable to perform the analysis. I agree to allow samples be sent to a sub laboratory at the discretion of SEL. I also affirm that I am responsible for payment at time of receipt, unless other arrangements are approved in advance.

Sample Relinquished By: Lindsey Kenner-Eck Received By: ERB
 Date: 9/3/18 Time: 9:00
 Sample Relinquished By: _____ Received at Lab By: _____ Date: 9/3/18 Time: 9:15

Sample(s) received: 7
 In Correct Bottle: Yes ☐ No ☐
 On Ice: Yes ☐ No ☐ *Refer to back of chain for tests requiring thermal preservation.

Note: Thermal preservation is max when samples are received 26°C. If temperature is greater than 6°C, samples will be considered to meet thermal preservation if received in sufficient ice within 8 hours of collection.
 Note: Samples requiring chemical preservation which are received unpreserved will be preserved at the laboratory at the time of receipt.

Comments: _____
 Samples are subject to our terms and conditions found at <http://www.smithlaboratory.com/terms/>
 Smith Environmental Laboratory Chain of Custody M-1 Rev 2 Data Review: Mgr _____ Date _____