Tuesday, November 14, 2017

Attn: Mr. Chris Doyle
Solitude Lake Management
310 East Washington Ave
Washington NJ 07882

Project ID: CROTON RIVER
Sample ID#s: BZ39495 - BZ39502

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,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301  
NJ Lab Registration #CT-003
CT Lab Registration #PH-0618  
NY Lab Registration #11301
MA Lab Registration #M-CT007  
PA Lab Registration #68-03530
ME Lab Registration #CT-007  
RI Lab Registration #63
NH Lab Registration #213693-A,B  
VT Lab Registration #VT11301
Analysis Report
November 14, 2017

Sample Information
Matrix: DRINKING WATER
Location Code: SOLITUDE
Rush Request: 72 Hour
P.O.#:

Custody Information
Collected by: 
Received by: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ39495
Phoenix ID: BZ39495

Parameter | Result | RL/PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By | Reference
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Extraction for 525.3 | Completed |  |  |  |  |  |  |  |  |  

Semivolatile Organic
Fluridone | 0.48 | 0.29 | 1 | ug/L |  |  |  | 11/13/17 | MH | E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 91 | 1 | % | NA | NA | NA | 11/13/17 | MH | 70 - 130 %
% benzo(a)pyrene-d12 | 102 | 1 | % | NA | NA | NA | 11/13/17 | MH | 70 - 130 %
% Triphenylphosphate | 95 | 1 | % | NA | NA | NA | 11/13/17 | MH | 70 - 130 %
Project ID: CROTON RIVER  
Client ID: FW1-A  
Phoenix I.D.: BZ39495

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<th>PQL</th>
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<th>Units</th>
<th>AL</th>
<th>MCL</th>
<th>MCLG Date/Time</th>
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Comments:

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Phyllis Shiller, Laboratory Director  
November 14, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
### Sample Information
- **Matrix:** DRINKING WATER
- **Location Code:** SOLITUDE
- **Rush Request:** 72 Hour
- **P.O. #:**

### Custody Information
- **Collected by:**
- **Received by:** LB
- **Analyzed by:** see "By" below

### Laboratory Data
- **SDG ID:** GBZ39495
- **Phoenix ID:** BZ39496

### Parameter Results

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### Semivolatile Organic

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<td>Fluridone</td>
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<td>11/14/17</td>
<td>MH</td>
<td>E525.3</td>
</tr>
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Q/A/QC Surrogates

- **% 1,3-Dimethyl-2-nitrobenzene**
  - Result: 90
  - Units: %
  - Date/Time: 11/14/17
  - Reference: MH 70 - 130 %

- **% benzo(a)pyrene-d12**
  - Result: 101
  - Units: %
  - Date/Time: 11/14/17
  - Reference: MH 70 - 130 %

- **% Triphenylphosphate**
  - Result: 91
  - Units: %
  - Date/Time: 11/14/17
  - Reference: MH 70 - 130 %
Parameter Result PQL DIL Units AL MCL MCLG Date/Time By Reference

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Phyllis Shiller, Laboratory Director
November 14, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 14, 2017

FOR: Attn: Mr. Chris Doyle
Solitude Lake Management
310 East Washington Ave
Washington NJ 07882

Sample Information
Matrix: DRINKING WATER
Location Code: SOLITUDE
Rush Request: 72 Hour
P.O. #: 

Custody Information
Collected by: 
Received by: LB 
Analyzed by: see "By" below

Date Time
11/10/17 7:50
11/10/17 14:20

Laboratory Data
SDG ID: GBZ39495
Phoenix ID: BZ39497

Project ID: CROTON RIVER
Client ID: DW1-A

Parameter Result RL/ PQL DIL Units AL MCL MCLG Date/Time By Reference
Extraction for 525.3 Completed 

Semivolatile Organic
Fluridone
0.84 0.29 1 ug/L 11/14/17 MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene
96 1 % NA NA NA 11/14/17 MH 70 - 130 %

% benzo(a)pyrene-d12
107 1 % NA NA NA 11/14/17 MH 70 - 130 %

% Triphenylphosphate
98 1 % NA NA NA 11/14/17 MH 70 - 130 %
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Phyllis Shiller, Laboratory Director
November 14, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President

Ver 1
## Sample Information
- **Matrix:** DRINKING WATER
- **Location Code:** SOLITUDE
- **Rush Request:** 72 Hour
- **P.O. #:**

## Custody Information
- **Collected by:**
- **Received by:** LB
- **Analyzed by:** see "By" below

## Analysis Report
**FOR:** Attn: Mr. Chris Doyle
Solitude Lake Management
310 East Washington Ave
Washington NJ 07882

**Analysis Report**
November 14, 2017

## Laboratory Data
**SDG ID:** GBZ39495
Phoenix ID: BZ39498

### Semivolatile Organic

#### Fluridone
- **Result:** 0.82 ug/L
- **Date/Time:** 11/14/17
- **By:** MH
- **Reference:** E525.3

#### % 1,3-Dimethyl-2-nitrobenzene
- **Result:** 102
- **Date/Time:** 11/14/17
- **By:** MH
- **Reference:** 70 - 130 %

#### % benzo(a)pyrene-d12
- **Result:** 111
- **Date/Time:** 11/14/17
- **By:** MH
- **Reference:** 70 - 130 %

#### % Triphenylphosphate
- **Result:** 101
- **Date/Time:** 11/14/17
- **By:** MH
- **Reference:** 70 - 130 %

### Laboratory Data

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<tr>
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<td></td>
<td></td>
<td>11/14/17</td>
<td>MH</td>
<td>E525.3</td>
</tr>
</tbody>
</table>

#### QA/QC Surrogates
- **% 1,3-Dimethyl-2-nitrobenzene:**
  - **Result:** 102
  - **Date/Time:** 11/14/17
  - **By:** MH
  - **Reference:** 70 - 130 %

- **% benzo(a)pyrene-d12:**
  - **Result:** 111
  - **Date/Time:** 11/14/17
  - **By:** MH
  - **Reference:** 70 - 130 %

- **% Triphenylphosphate:**
  - **Result:** 101
  - **Date/Time:** 11/14/17
  - **By:** MH
  - **Reference:** 70 - 130 %
**Client ID:** DW1-B

**Project ID:** CROTON RIVER

**Phoenix I.D.:** BZ39498

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525 Analysis:
Chlorine was present; Sample was de-chlorinated prior to extraction/analysis. (EPA requires dechlorination at time of sampling.) A sample bias can not be ruled out.

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---

Phyllis Shiller, Laboratory Director

November 14, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 14, 2017

FOR: Attn: Mr. Chris Doyle
Solitude Lake Management
310 East Washington Ave
Washington NJ 07882

Sample Information
Matrix: DRINKING WATER
Location Code: SOLITUDE
Rush Request: 72 Hour
P.O.#:

Custody Information
Collected by: 
Received by: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ39495
Phoenix ID: BZ39499

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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>96</td>
<td>1</td>
<td>%</td>
<td>NA</td>
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<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>107</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>96</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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November 14, 2017

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Analysis Report  
November 14, 2017

FOR: Attn: Mr. Chris Doyle 
Solitude Lake Management  
310 East Washington Ave  
Washington NJ 07882

Sample Information  
Matrix: DRINKING WATER  
Location Code: SOLITUDE  
Rush Request: 72 Hour  
P.O.#:

Custody Information  
Collected by:  
Received by: LB  
Analyzed by: see "By" below

Laboratory Data  
SDG ID: GBZ39495  
Phoenix ID: BZ39500

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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
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<td>70 - 130 %</td>
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<tr>
<td>% Triphenylphosphate</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
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<td></td>
<td>11/14/17</td>
<td>MH</td>
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</table>
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310 East Washington Ave
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Sample Information
Matrix: DRINKING WATER
Location Code: SOLITUDE
Rush Request: 72 Hour
P.O.#:

Custody Information
Collected by:
Received by: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ39495
Phoenix ID: BZ39501

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<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>78</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>73</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
### Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.


Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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---

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</th>
<th>PQL</th>
<th>DIL</th>
<th>Units</th>
<th>AL</th>
<th>MCL</th>
<th>MCLG Date/Time</th>
<th>By Reference</th>
</tr>
</thead>
</table>

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL = Reporting/Practical Quantitation Level  
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MCLG = Maximum Contaminant Level Goal

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results (%) listed in the report are not "detected" compounds.
# Analysis Report

**FOR:** Attn: Mr. Chris Doyle  
Solitude Lake Management  
310 East Washington Ave  
Washington NJ 07882

## Sample Information
- **Matrix:** DRINKING WATER  
- **Location Code:** SOLITUDE  
- **Rush Request:** 72 Hour  
- **P.O.#:**

## Custody Information
- **Collected by:**  
- **Received by:** LB  
- **Analyzed by:** see “By” below

## Laboratory Data
- **SDG ID:** GBZ39495  
- **Phoenix ID:** BZ39502

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

## Analysis Report

**FOR:** Attn: Mr. Chris Doyle  
Solitude Lake Management  
310 East Washington Ave  
Washington NJ 07882

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- **Location Code:** SOLITUDE  
- **Rush Request:** 72 Hour  
- **P.O.#:**

### Custody Information
- **Collected by:**  
- **Received by:** LB  
- **Analyzed by:** see “By” below

### Laboratory Data
- **SDG ID:** GBZ39495  
- **Phoenix ID:** BZ39502

#### Parameter

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</th>
<th>RL/PQL</th>
<th>DIL</th>
<th>Units</th>
<th>AL</th>
<th>MCL</th>
<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>Extraction for 525.3</td>
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<td><strong>Semivolatile Organic</strong></td>
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<tr>
<td>Fluridone</td>
<td>0.48</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
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<td></td>
<td>11/14/17</td>
<td>MH</td>
<td>E525.3</td>
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#### QA/QC Surrogates

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<tr>
<th>Surrogate</th>
<th>%</th>
<th>DIL</th>
<th>Units</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>98</td>
<td>1</td>
<td>%</td>
<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>benzo(a)pyrene-d12</td>
<td>96</td>
<td>1</td>
<td>%</td>
<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>Triphenylphosphate</td>
<td>97</td>
<td>1</td>
<td>%</td>
<td>11/14/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>

Ver 1
**Parameter** | **Result** | **PQL** | **DIL** | **Units** | **AL** | **MCL** | **MCLG Date/Time** | **By Reference**
---|---|---|---|---|---|---|---|---

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Phyllis Shiller, Laboratory Director

November 14, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
### QA/QC Report

**November 14, 2017**

#### QA/QC Data

**SDG I.D.: GBZ39495**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Blk</th>
<th>RL</th>
<th>LCS %</th>
<th>LCSD %</th>
<th>LCS RPD</th>
<th>MS %</th>
<th>MSD %</th>
<th>MS RPD</th>
<th>% Rec Limits</th>
<th>% RPD Limits</th>
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<tbody>
<tr>
<td>QA/QC Batch 409322 (ug/L), QC Sample No: BZ39498 (BZ39495, BZ39496, BZ39497, BZ39498, BZ39499, BZ39500, BZ39501, BZ39502)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Fluridone</td>
<td>ND</td>
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<td>84</td>
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<td>70 - 130</td>
<td>20</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>97</td>
<td>%</td>
<td>97</td>
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<td></td>
<td>103</td>
<td>103</td>
<td>0.0</td>
<td>70 - 130</td>
<td>20</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>%</td>
<td>98</td>
<td></td>
<td></td>
<td>110</td>
<td>103</td>
<td>6.6</td>
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<td>20</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>98</td>
<td>%</td>
<td>96</td>
<td></td>
<td></td>
<td>104</td>
<td>98</td>
<td>5.9</td>
<td>70 - 130</td>
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</table>

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**

**November 14, 2017**
### Sample Criteria Exceedances Report
**GBZ39495 - SOLITUDE**

<table>
<thead>
<tr>
<th>SampNo</th>
<th>Acode</th>
<th>Phoenix Analyte</th>
<th>Criteria</th>
<th>Result</th>
<th>RL</th>
<th>Criteria</th>
<th>RL</th>
<th>Criteria</th>
<th>Analysis Units</th>
</tr>
</thead>
</table>

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this 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.
The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.
The samples in this delivery group were received at 5.0°C.
(Note acceptance criteria is above freezing up to 6°C)
<table>
<thead>
<tr>
<th>Sample #</th>
<th>Matrix</th>
<th>Date Sampled</th>
<th>Time Sampled</th>
<th>Analysis Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>39495 FW1-A</td>
<td>DW</td>
<td>11/06/17</td>
<td>7:55</td>
<td></td>
</tr>
<tr>
<td>39496 FW1-B</td>
<td>DW</td>
<td></td>
<td>7:55</td>
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</tr>
<tr>
<td>39497 DW1-A</td>
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</tr>
<tr>
<td>39498 DW1-B</td>
<td>DW</td>
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</tr>
<tr>
<td>39499 DW3-A</td>
<td>DW</td>
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<tr>
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<tr>
<td>39501 DW4-A</td>
<td>DW</td>
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<td>39502 DW4-B</td>
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**Comments, Special Requirements or Regulations:**

[Handwritten notes]