Tuesday, September 05, 2017

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

Project ID:   CROTON RIVER  
Sample ID#s: BY94740 - BY94747

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Telephone (860) 645-1102   Fax (860) 645-0823
Analysis Report  
September 05, 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: CD  
Received by: LB  
Analyzed by: see "By" below

Laboratory Data  
SDG ID: GBY94740  
Phoenix ID: BY94740

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<td>09/03/17</td>
<td>E/E</td>
<td>E525.3</td>
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Semivolatile Organic

Fluridone  
1.2  
0.29  
1  
ug/L  
09/04/17  
MH  
E525.3

QA/QC Surrogates

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<td>benzo(a)pyrene-d12</td>
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<td>108</td>
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<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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</table>
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.


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Phyllis Shiller, Laboratory Director
September 05, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
**Analysis Report**  
**September 05, 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:** CD  
- **Received by:** LB  
- **Analyzed by:** see "By" below  
- **Date:** 09/03/17  
- **Time:** 9:20  
- **Date:** 09/03/17  
- **Time:** 13:15

---

### Laboratory Data

- **SDG ID:** GBY94740  
- **Phoenix ID:** BY94741

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### Parameter Results

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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>1</td>
<td>%</td>
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<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>108</td>
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<td>NA</td>
<td>NA</td>
<td></td>
<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
Parameter Result PQL DIL Units AL MCL MCLG Date/Time By Reference

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RL/PQL = Reporting/Practical Quantitation Level DIL = Dilution (analysis required diluting to evaluate) ND = Not Detected
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September 05, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
September 05, 2017

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

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

Custody Information

Laboratory Data
SDG ID: GBY94740
Phoenix ID: BY94742

Parameter | Result | RL/ PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By | Reference
---|---|---|---|---|---|---|---|---|---|---
Extraction for 525.3 | Completed | | | | | | | 09/03/17 | E/E | E525.3

Semivolatile Organic

Fluridone | 0.83 | 0.29 | 1 | ug/L | | | | 09/04/17 | MH | E525.3

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene | 91 | 1 | % | NA | NA | NA | 09/04/17 | MH | 70 - 130 %
% benzo(a)pyrene-d12 | 94 | 1 | % | NA | NA | NA | 09/04/17 | MH | 70 - 130 %
% Triphenylphosphate | 110 | 1 | % | NA | NA | NA | 09/04/17 | MH | 70 - 130 %
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**Analysis Report**  
September 05, 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:** CD  
- **Received by:** LB  
- **Analyzed by:** see "By" below  
- **Date:** 09/03/17  
- **Time:** 9:25  
- **Date:** 09/03/17  
- **Time:** 13:15

### Laboratory Data
- **SDG ID:** GBY94740  
- **Phoenix ID:** BY94743

#### Parameter Result

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<td>%</td>
<td>NA</td>
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<td>% Triphenylphosphate</td>
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</table>
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**Analysis Report**
September 05, 2017

FOR: Attn: Mr. Chris Doyle
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<table>
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<th>Time</th>
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**Laboratory Data**

SDG ID: GBY94740
Phoenix ID: BY94744

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<td>97</td>
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<td>%</td>
<td>NA</td>
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Project ID: CROTON RIVER
Client ID: DW4-A

Phoenix I.D.: BY94744

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

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

Laboratory Data
SDG ID: GBY94740
Phoenix ID: BY94745

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<td>Fluridone</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
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<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>96</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
**Parameter** | **Result** | **PQL** | **DIL** | **Units** | **AL** | **MCL** | **MCLG** | **Date/Time** | **By Reference**
---|---|---|---|---|---|---|---|---|---

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  DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected

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**Comments:**

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

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Phyllis Shiller, Laboratory Director

September 05, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
**Analysis Report**

**September 05, 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:** CD  
  **Date:** 09/03/17  
  **Time:** 9:15
- **Received by:** LB  
  **Date:** 09/03/17  
  **Time:** 13:15
- **Analyzed by:** see “By” below

### Laboratory Data
- **SDG ID:** GBY94740  
  Phoenix ID: BY94746

#### Project ID: CROTON RIVER  
#### Client ID: FW1-A

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<tr>
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<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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<tr>
<td>Extraction for 525.3</td>
<td>Completed</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>09/03/17</td>
<td>E/E</td>
<td>E525.3</td>
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<tr>
<td><strong>Semivolatile Organic</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Fluridone</td>
<td>0.53</td>
<td>0.29</td>
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<tr>
<td><strong>QA/QC Surrogates</strong></td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>85</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
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<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>84</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>98</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>Parameter</td>
<td>Result</td>
<td>PQL</td>
<td>DIL</td>
<td>Units</td>
<td>AL</td>
<td>MCL</td>
<td>MCLG</td>
<td>Date/Time</td>
<td>By</td>
<td>Reference</td>
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</tr>
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</table>

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Phyllis Shiller, Laboratory Director

September 05, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
September 05, 2017

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

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

**Laboratory Data**  
SDG ID: GBY94740  
Phoenix ID: BY94747  

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<th>Parameter</th>
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<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
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<td></td>
<td>09/03/17</td>
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<td><strong>Semivolatile Organic</strong></td>
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<td></td>
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<tr>
<td>Fluridone</td>
<td>0.54</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
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<td>09/04/17</td>
<td>MH</td>
<td>E525.3</td>
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<tr>
<td><strong>QA/QC Surrogates</strong></td>
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</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>83</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>89</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/04/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>103</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/04/17</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.


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Phyllis Shiller, Laboratory Director
September 05, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
### QA/QC Report
September 05, 2017

#### QA/QC Data

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<th>Parameter</th>
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<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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<td>QA/QC Batch 400156 (ug/L), QC Sample No: BY93594 (BY94740, BY94741, BY94742, BY94743, BY94744, BY94745, BY94746, BY94747)</td>
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<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Fluridone</td>
<td>ND</td>
<td>0.30</td>
<td>98</td>
<td>112</td>
<td>115</td>
<td>2.6</td>
<td>70 - 130</td>
<td>20</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>90</td>
<td>%</td>
<td>90</td>
<td>90</td>
<td>86</td>
<td>4.5</td>
<td>70 - 130</td>
<td>20</td>
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<td></td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>97</td>
<td>%</td>
<td>98</td>
<td>98</td>
<td>98</td>
<td>0.0</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>107</td>
<td>%</td>
<td>105</td>
<td>110</td>
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<td>9.5</td>
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<td>20</td>
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<td><strong>Comment:</strong></td>
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</tr>
<tr>
<td>Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.</td>
<td></td>
<td></td>
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</tr>
</tbody>
</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**  
September 05, 2017

---

**Note:**  
The document includes a table with various parameters and concentration levels for semivolatile organic compounds in drinking water. The data is presented in a format suitable for quality control and quality assurance in laboratory settings. The comments section highlights the use of tap water for matrix spike purposes, ensuring the reliability of the data for regulatory and compliance purposes.
<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 Criteria</th>
<th>Analysis</th>
<th>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 °C.
(Note acceptance criteria is above freezing up to 6°C)