Thursday, July 20, 2017

Attn: Mr. Chris Doyle
Solitude Lake Management
580 Rockport Rd
Hackettstown, NJ 07840

Project ID:  CROTON RIVER
Sample ID#s: BY61285 - BY61292

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 #MA-CT-007                        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
July 20, 2017

FOR: Attn: Mr. Chris Doyle
Solitude Lake Management
580 Rockport Rd
Hackettstown, NJ 07840

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: GBY61285
Phoenix ID: BY61285

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Semivolatile Organic

Fluridone                   ND 0.29 1 ug/L 07/19/17 MH E525.3

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene 82 1 % NA NA NA 07/19/17 MH 70 - 130 %
% benzo(a)pyrene-d12          79 1 % NA NA NA 07/19/17 MH 70 - 130 %
% Triphenylphosphate          94 1 % NA NA NA 07/19/17 MH 70 - 130 %
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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Phyllis Shiller, Laboratory Director
July 20, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
July 20, 2017

FOR: Attn: Mr. Chris Doyle  
Solitude Lake Management  
580 Rockport Rd  
Hackettstown, NJ 07840

Sample Information

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Semivolatile Organic

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QA/QC Surrogates

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</tr>
<tr>
<td>Triphenylphosphate</td>
<td>94</td>
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Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823
Phoenix Client Services.
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Phyllis Shiller, Laboratory Director
July 20, 2017

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Analysis Report
July 20, 2017

FOR: Attn: Mr. Chris Doyle
Solitude Lake Management
580 Rockport Rd
Hackettstown, NJ 07840

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: GBY61285
Phoenix ID: BY61287

Parameter Result

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Semivolatile Organic

Fluridone
0.30 0.29 1 ug/L 07/19/17 MH E525.3

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene
77 1 % NA NA NA 07/19/17 MH 70 - 130 %

% benzo(a)pyrene-d12
75 1 % NA NA NA 07/19/17 MH 70 - 130 %

% Triphenylphosphate
94 1 % NA NA NA 07/19/17 MH 70 - 130 %
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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July 20, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
July 20, 2017

FOR: Attn: Mr. Chris Doyle
Solitude Lake Management
580 Rockport Rd
Hackettstown, NJ 07840

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

Laboratory Data
- SDG ID: GBY61285
- Phoenix ID: BY61288

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

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<td>76</td>
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<td>%</td>
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<td>70 - 130 %</td>
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Phyllis Shiller, Laboratory Director  
July 20, 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:** GBY61285
- **Phoenix ID:** BY61289

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<td>H</td>
<td>E525.3</td>
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### Semivolatile Organic

#### Fluridone

- **Result:** ND
- **Level:** 0.29 ug/L

#### QA/QC Surrogates

- **% 1,3-Dimethyl-2-nitrobenzene:** 77
- **% benzo(a)pyrene-d12:** 72
- **% Triphenylphosphate:** 85

#### Results

- **% 1,3-Dimethyl-2-nitrobenzene:** 77 %
- **% benzo(a)pyrene-d12:** 72 %
- **% Triphenylphosphate:** 85 %
R L/PQL=Reporting/Practical Quantitation Level  DIL=Dilution (analysis required diluting to evaluate)  ND=Not Detected
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
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Ver 1
Analysis Report  
July 20, 2017

FOR: Attn: Mr. Chris Doyle  
Solitude Lake Management  
580 Rockport Rd  
Hackettstown, NJ 07840

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: 07/17/17  
Time: 10:25  
07/17/17  
17:00

Laboratory Data  
SDG ID: GBY61285  
Phoenix ID: BY61290

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Project ID: CROTON RIVER
Client ID: DW4-B

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Phyllis Shiller, Laboratory Director
July 20, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
**Analysis Report**  
July 20, 2017

FOR: Attn: Mr. Chris Doyle  
Solitude Lake Management  
580 Rockport Rd  
Hackettstown, NJ 07840

### Sample Information

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### Laboratory Data

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<td>NA</td>
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<td>07/19/17</td>
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<td>70 - 130 %</td>
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Project ID: CROTON RIVER  
Client ID: FW1-A

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

RL/PQL = Reporting/Practical Quantitation Level  
DIL = Dilution (analysis required diluting to evaluate)  
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July 20, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
July 20, 2017

FOR: Attn: Mr. Chris Doyle
Solitude Lake Management
580 Rockport Rd
Hackettstown, NJ 07840

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
07/17/17 10:05
07/17/17 17:00

Laboratory Data
SDG ID: GBY61285
Phoenix ID: BY61292

Project ID: CROTON RIVER
Client ID: FW1-B

Parameter Result RL/ PQL DIL Units AL MCL MCLG Date/Time By Reference
Extraction for 525.3 Completed 07/18/17 H E525.3

Semivolatile Organic
Fluridone ND 0.29 1 ug/L 07/19/17 MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene 81 1 % NA NA NA 07/19/17 MH 70 - 130 %
% benzo(a)pyrene-d12 73 1 % NA NA NA 07/19/17 MH 70 - 130 %
% Triphenylphosphate 86 1 % NA NA NA 07/19/17 MH 70 - 130 %
Project ID: CROTON RIVER  
Client ID: FW1-B  
Phoenix I.D.: BY61292

<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 Date/Time</th>
<th>By</th>
<th>Reference</th>
</tr>
</thead>
</table>

RL/PQL = Reporting/Practical Quantitation Level  
DIL = Dilution (analysis required diluting to evaluate)  
ND = Not Detected

BRL = Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)

AL = Action Level  
MCL = Maximum Contaminant Level  
MCLG = Maximum Contaminant Level Goal

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not “detected” compounds.

**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.

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
July 20, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
QA/QC Report  
July 20, 2017

## QA/QC Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Blank 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>
</tr>
</thead>
<tbody>
<tr>
<td>QA/QC Batch 394234 (ug/L), QC Sample No: BY61285 (BY61285, BY61286, BY61287, BY61288, BY61289, BY61290, BY61291, BY61292)</td>
<td>ND 0.30</td>
<td>73</td>
<td>93</td>
<td>85</td>
<td>9.0</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semivolatile Organic Compounds - Drinking Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluridone</td>
<td>73 %</td>
<td>81</td>
<td>82</td>
<td>75</td>
<td>8.9</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>70 %</td>
<td>75</td>
<td>82</td>
<td>78</td>
<td>5.0</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>81 %</td>
<td>98</td>
<td>94</td>
<td>91</td>
<td>3.2</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comment: Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</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
July 20, 2017
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.
Analysis Comments

July 20, 2017

SDG I.D.: GBY61285

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.
NY Temperature Narration
July 20, 2017

The samples in this delivery group were received at 1.5°C.
(Note acceptance criteria is above freezing up to 6°C)
<table>
<thead>
<tr>
<th>Customer</th>
<th>Schuylkill Valley Management, 50 Rockport Rd., Allentown, PA 18104</th>
<th>Project</th>
<th>Cayuga River</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td></td>
<td>Report to</td>
<td>Chris Reale</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Invoice to</td>
<td>Deb Wills</td>
</tr>
</tbody>
</table>

**NY/NJ CHAIN OF CUSTODY RECORD**

**Client Services** (860) 645-8726

**This section MUST be completed with Bottle Quantities.**

**Sample Information - Identification**


<table>
<thead>
<tr>
<th>PHOENIX USE</th>
<th>ONLY SAMPLE #</th>
<th>Customer Sample</th>
<th>Sample Matrix</th>
<th>Date Sampled</th>
<th>Time Sampled</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-28</td>
<td>DW1-A</td>
<td>DW</td>
<td>7/17/17</td>
<td>10:00</td>
<td></td>
</tr>
<tr>
<td>01-28</td>
<td>DW1-B</td>
<td>DW</td>
<td>7/17/17</td>
<td>10:00</td>
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</tr>
<tr>
<td>01-28</td>
<td>DW2-A</td>
<td>DW</td>
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<td>7/17/17</td>
<td>10:10</td>
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<tr>
<td>01-28</td>
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<td>7/17/17</td>
<td>10:25</td>
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<tr>
<td>01-28</td>
<td>DW4-A</td>
<td>DW</td>
<td>7/17/17</td>
<td>10:05</td>
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</tr>
<tr>
<td>01-28</td>
<td>DW4-B</td>
<td>DW</td>
<td>7/17/17</td>
<td>10:05</td>
<td></td>
</tr>
</tbody>
</table>

**State where samples were collected:**

**Comments, Special Requirements or Regulations:**

Need results by Friday 7/20/17