Wednesday, September 06, 2017

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

Project ID: CROTON RIVER
Sample ID#s: BY94302 - BY94305

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  
September 06, 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:  SW
Analyzed by:  see "By" below

Date          Time
09/01/17      11:22
09/01/17      15:07

Laboratory Data
SDG ID: GBY94302  
Phoenix ID: BY94302

Project ID:  CROTON RIVER  
Client ID:  UNH-1

<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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<tr>
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<tr>
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<td>09/05/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>92</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/05/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/05/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
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<td>Result</td>
<td>PQL</td>
<td>DIL</td>
<td>Units</td>
<td>AL</td>
<td>MCL</td>
<td>MCLG Date/Time</td>
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<td>Reference</td>
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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  
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*  
*September 06, 2017*  
*Reviewed and Released by: Bobbi Aloisa, Vice President*
Analysis Report
September 06, 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: SW
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBY94302
Phoenix ID: BY94303

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<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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<td></td>
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<td>E525.3</td>
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<td><strong>Semivolatile Organic</strong></td>
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<tr>
<td>Fluridone</td>
<td>0.63</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
<td></td>
<td></td>
<td></td>
<td>09/03/17</td>
<td>MH</td>
<td>E525.3</td>
</tr>
<tr>
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<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/03/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>93</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/03/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>100</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/03/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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</tbody>
</table>
MB-1

Phoenix I.D.: BY94303

Project ID: CROTON RIVER
Client ID: MB-1

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.

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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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Phyllis Shiller, Laboratory Director
September 06, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
**Analysis Report**  
September 06, 2017

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

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

**Laboratory Data**
- **SDG ID:** GBY94302
- **Phoenix ID:** BY94304

**Parameter** | **Result** | **RL/PQL** | **DIL** | **Units** | **AL** | **MCL** | **MCLG** | **Date/Time** | **By** | **Reference**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Extraction for 525.3 | Completed |  |  |  |  |  |  | 09/01/17 | H/H | E525.3

**Semivolatile Organic**

- **Fluridone**
  - Result: 0.66
  - **PQL:** 0.29
  - **Units:** ug/L
  - **Date/Time:** 09/03/17
  - **By:** MH
  - **Reference:** E525.3

**QA/QC Surrogates**

- **% 1,3-Dimethyl-2-nitrobenzene**
  - Result: 89
  - **Units:**%
  - **Date/Time:** 09/03/17
  - **By:** MH
  - **Reference:** 70 - 130 %

- **% benzo(a)pyrene-d12**
  - Result: 95
  - **Units:**%
  - **Date/Time:** 09/03/17
  - **By:** MH
  - **Reference:** 70 - 130 %

- **% Triphenylphosphate**
  - Result: 100
  - **Units:**%
  - **Date/Time:** 09/03/17
  - **By:** MH
  - **Reference:** 70 - 130 %
### 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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---

Phyllis Shiller, Laboratory Director  
September 06, 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:** CD
- **Received by:** SW
- **Date:** 09/01/17
- **Time:** 12:10
- **Date:** 09/01/17
- **Time:** 15:07

### Laboratory Data
- **Laboratory Data:**
  - **SDG ID:** GBY94302
  - **Phoenix ID:** BY94305

### Analysis Report
**FOR:**
- **To:** Mr. Chris Doyle
- **From:** Solitude Lake Management
- **Address:** 310 East Washington Ave
- **City:** Washington
- **State:** NJ
- **ZIP:** 07882

**Analysis Report**
**September 06, 2017**

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

**Custody Information**
- **Collected by:** CD
- **Received by:** SW
- **Date:** 09/01/17
- **Time:** 12:10
- **Date:** 09/01/17
- **Time:** 15:07

**Laboratory Data**
- **Laboratory Data:**
  - **SDG ID:** GBY94302
  - **Phoenix ID:** BY94305

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

**Semivolatile Organic**

**Fluridone**
- **Result:** 0.56
- **PQL:** 0.29
- **DIL:** 1
- **Units:** ug/L
- **Date/Time:** 09/01/17
- **By:** H/H
- **Reference:** E525.3

**Semivolatile Organic**

**Fluridone**
- **Result:** 0.56
- **PQL:** 0.29
- **DIL:** 1
- **Units:** ug/L
- **Date/Time:** 09/01/17
- **By:** H/H
- **Reference:** E525.3

**QA/QC Surrogates**

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<th>Surrogate</th>
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<th>Date/Time</th>
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<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>86</td>
<td>09/03/17</td>
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<td>70 - 130 %</td>
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<tr>
<td>benzo(a)pyrene-d12</td>
<td>89</td>
<td>09/03/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>Triphenylphosphate</td>
<td>96</td>
<td>09/03/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
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</table>
Project ID: CROTON RIVER
Client ID: HF-1

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

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Phyllis Shiller, Laboratory Director
September 06, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
<table>
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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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<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
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<td></td>
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</tr>
<tr>
<td>Fluridone</td>
<td>ND</td>
<td>0.30</td>
<td>90</td>
<td>98</td>
<td>114</td>
<td>15.1</td>
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<td>130</td>
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<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>79</td>
<td>%</td>
<td>84</td>
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<td>4.9</td>
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<tr>
<td>benzo(a)pyrene-d12</td>
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<tr>
<td>Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.</td>
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<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
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<tr>
<td>benzo(a)pyrene-d12</td>
<td>92</td>
<td>%</td>
<td>86</td>
<td>96</td>
<td>96</td>
<td>0.0</td>
<td>70</td>
<td>130</td>
<td>20</td>
<td></td>
</tr>
<tr>
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<td>%</td>
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<td>104</td>
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<td>3.8</td>
<td>70</td>
<td>130</td>
<td>20</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
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.

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<th>SampNo</th>
<th>Acode</th>
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<th>Result</th>
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<th>Criteria</th>
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<th>Analysis Units</th>
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<td></td>
</tr>
</tbody>
</table>

*** No Data to Display ***
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 3.2°C.
(Note acceptance criteria is above freezing up to 6°C)
# NY/NJ Chain of Custody Record

## Phoenix Environmental Laboratories, Inc.

**587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040**

**Email:** info@phoenixlabs.com  **Fax:** (860) 645-0823

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

### Customer Information
- **Name:** Solitude Life Management
- **Address:** 310 E. Washington Ave
- **City:** Washington
- **State:** NJ
- **Zip:** 07882

### Project Information
- **Project:** Delaware River
- **Report to:** Cheri Day
- **Invoice to:** Apt: Apt

### Sample Information

<table>
<thead>
<tr>
<th>Sample Code</th>
<th>Matrix</th>
<th>Date Sampled</th>
<th>Time Sampled</th>
<th>Signature</th>
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### Analysis Request

- **Request:** 325-72-1.2

### Turnaround Time
- **NJ:**
  - Res. Criteria
  - Non-Res. Criteria
  - Impact to GW Soil Cleanup Criteria
- **NY:**
  - TAGM 4046 GW
  - TAGM 4046 SOIL
  - NY375 Unrestricted Use Soil

### Special Requirements

- **Comments:** 3 DAY TAT

### Data Packages
- **Data Format:** Phoenix Std Report, Excel, PDF, GS/Key, EDIUS, NI Hazsite EDD, NY EZ EDD (ASP)
- **Data Package:** N. Reduced Deliv. *, N* Enhanced (ASP B) *

### State
- **State where samples were collected:** NY