Thursday, September 13, 2018

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

Project ID: CROTON RIVER
Sample ID#s: CB27413 - CB27416

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  UT Lab Registration #CT00007
   VT Lab Registration #VT11301
Analysis Report
September 13, 2018

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: CP
Analyzed by: see “By” below

Date Time
09/10/18 12:10
09/10/18 14:15

Laboratory Data
SDG ID: GCB27413
Phoenix ID: CB27413

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

Extraction for 525.3 Completed 09/12/18 W/W E525.3

Semivolatile Organic
Fluridone 0.56 0.29 1 ug/L 09/12/18 MH E525.3

% 1,3-Dimethyl-2-nitrobenzene 85 1 % NA NA NA 09/12/18 MH 70 - 130 %
% benzo(a)pyrene-d12 97 1 % NA NA NA 09/12/18 MH 70 - 130 %
% Triphenylphosphate 97 1 % NA NA NA 09/12/18 MH 70 - 130 %
<table>
<thead>
<tr>
<th>Parameter 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 Reference</th>
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</thead>
</table>

1 = This parameter is not certified by the primary accrediting authority (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.

Action Level (AL) (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

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 13, 2018
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: CP  
Analyzed by: see "By" below

**Laboratory Data**

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

**Semivolatile Organic**

Fluridone 0.77 0.29 1 ug/L 09/12/18 MH E525.3

**QA/QC Surrogates**

- % 1,3-Dimethyl-2-nitrobenzene 99 1 % NA NA NA 09/12/18 MH 70 - 130 %
- % benzo(a)pyrene-d12 94 1 % NA NA NA 09/12/18 MH 70 - 130 %
- % Triphenylphosphate 97 1 % NA NA NA 09/12/18 MH 70 - 130 %
### Parameter Results

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

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**Comments:**

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*Phyllis Shiller, Laboratory Director*  
*September 13, 2018*  
*Reviewed and Released by: Bobbi Aloisa, Vice President*
## Analysis Report
September 13, 2018

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

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

### Laboratory Data
- **SDG ID:** GCB27413
- **Phoenix ID:** CB27415

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<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>09/12/18</td>
<td></td>
<td>E525.3</td>
</tr>
<tr>
<td><strong>Semivolatile Organic</strong></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>0.98</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
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<td>09/12/18</td>
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<td>E525.3</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>82</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/12/18</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>82</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/12/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>81</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>09/12/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>

Ver 1
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 13, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President
### Analysis Report
September 13, 2018

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

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

#### Laboratory Data
- **SDG ID:** GCB27413
- **Phoenix ID:** CB27416

#### Project ID:
CROTON RIVER

#### Client ID:
DW4-A

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#### Semivolatile Organic

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<th>DIL</th>
<th>Units</th>
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<tr>
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<td>0.32</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
<td>09/13/18</td>
<td>MH</td>
<td>E525.3</td>
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#### QA/QC Surrogates

<table>
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<th>Units</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>100</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>09/13/18</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>09/13/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>Triphenylphosphate</td>
<td>97</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>09/13/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</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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### QA/QC Report

September 13, 2018

#### QA/QC Data

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<th>LCS %</th>
<th>LCSD %</th>
<th>LCS</th>
<th>RPD</th>
<th>MS</th>
<th>MSD %</th>
<th>RPD</th>
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<th>% RPD Limits</th>
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<tbody>
<tr>
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<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
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</tr>
<tr>
<td>Fluridone</td>
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<td></td>
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</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
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<tr>
<td>% Triphenylphosphate</td>
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</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 13, 2018
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 exceedances. 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.

<table>
<thead>
<tr>
<th>SampNo</th>
<th>Acode</th>
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<td></td>
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<td></td>
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<td>RL</td>
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</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 3.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)
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<thead>
<tr>
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