Monday, July 09, 2018

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

Project ID:  CROTON RIVER
Sample ID#s: CA83769 - CA83772

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102  Fax (860) 645-0823
Sample Information

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

Custody Information

Collected by: 
Received by: SW 
Analyzed by: see "By" below 

Laboratory Data

SDG ID: GCA83769
Phoenix ID: CA83769

Parameter Result

<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>
<td>Semivolatile Organic</td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Fluridone</td>
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<td>1</td>
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<td>MH</td>
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QA/QC Surrogates

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<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>88</td>
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<td>NA</td>
<td>NA</td>
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<td>MH</td>
<td>70 - 130 %</td>
<td></td>
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<tr>
<td>benzo(a)pyrene-d12</td>
<td>95</td>
<td>%</td>
<td>NA</td>
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<td>NA</td>
<td>07/07/18</td>
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<tr>
<td>Triphenylphosphate</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>07/07/18</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
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<td>Parameter</td>
<td>Result</td>
<td>RL/PQL</td>
<td>DIL</td>
<td>Units</td>
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<td>MCL</td>
<td>MCLG</td>
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<td>By</td>
</tr>
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</tr>
</tbody>
</table>

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

**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.

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.

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 09, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President
### Analysis Report
**July 09, 2018**

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

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

**Laboratory Data**
- **SDG ID:** GCA83769
- **Phoenix ID:** CA83770

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

### Semivolatile Organic

<table>
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<tr>
<th>Parameter</th>
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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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<td>1.0</td>
<td>0.29</td>
<td>1</td>
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<td>W/W</td>
<td>E525.3</td>
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<td></td>
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<td></td>
<td></td>
<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>07/07/18</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>97</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>07/07/18</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>99</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>07/07/18</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
</tbody>
</table>
### Maximum Contaminant Level (MCL) (Lower of):

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):


### Secondary DW Maximum Contaminant Level Goal (MCLG)

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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---

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

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**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:**

Phyllis Shiller, Laboratory Director  
July 09, 2018  
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
July 09, 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: SW
- Analyzed by: see "By" below

Date       Time
07/05/18   12:15
07/05/18   15:33

Laboratory Data
SDG ID: GCA83769
Phoenix ID: CA83771

Project ID: CROTON RIVER
Client ID: DW 4-A

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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>
<td></td>
<td></td>
<td></td>
<td>07/06/18</td>
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<td>W/W E525.3</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Fluridone</td>
<td>ND</td>
<td>0.29</td>
<td>1</td>
<td></td>
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<td>MH</td>
<td>E525.3</td>
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<tr>
<td>QA/QC Surrogates</td>
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<td></td>
<td></td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>07/07/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>07/07/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>99</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>07/07/18</td>
<td>MH</td>
<td>70 - 130 %</td>
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</tbody>
</table>
### Comments:

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<th>Units</th>
<th>AL</th>
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Ver 1

---

Phyllis Shiller, Laboratory Director

July 09, 2018

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

**July 09, 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:** SW  
- **Analyzed by:** see "By" below  
- **Date:** 07/05/18  
- **Time:** 12:25  
- **Date:** 07/05/18  
- **Time:** 15:33  

**Laboratory Data**
- **SDG ID:** GCA83769  
- **Phoenix ID:** CA83772

**Project ID:** CROTON RIVER  
**Client ID:** FW 1-A

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<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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<td></td>
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<td>07/06/18</td>
<td>W/W</td>
<td>E525.3</td>
</tr>
<tr>
<td><strong>Semivolatile Organic</strong></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Fluridone</td>
<td>ND</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
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<td>07/07/18</td>
<td>MH</td>
<td>E525.3</td>
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<tr>
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<td></td>
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<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>07/07/18</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>NA</td>
<td>NA</td>
<td></td>
<td>07/07/18</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>07/07/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
Project ID: CROTON RIVER
Client ID: FW 1-A

Phoenix I.D.: CA83772

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

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Phyllis Shiller, Laboratory Director

July 09, 2018

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

**July 09, 2018**

#### QA/QC Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Blank</th>
<th>MS</th>
<th>LCS %</th>
<th>LCSD %</th>
<th>MS %</th>
<th>MSD %</th>
<th>% Rec Limits</th>
<th>% RPD Limits</th>
</tr>
</thead>
</table>
| **Semivolatile Organic Compounds - Drinking Water**

| Fluridone | ND | 0.30 | 85 | 70 | 71 | 1.4 | 70 - 130 | 20 |
| 1,3-Dimethyl-2-nitrobenzene | 79 | % | 87 | 84 | 88 | 4.7 | 70 - 130 | 20 |
| benzo(a)pyrene-d12 | 84 | % | 90 | 92 | 91 | 1.1 | 70 - 130 | 20 |
| Triphenylphosphate | 90 | % | 95 | 99 | 98 | 1.0 | 70 - 130 | 20 |

**Comment:** Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.

---

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  
**Inf** - Interference

---

Phyllis Shiller, Laboratory Director  
*July 09, 2018*
### Sample Criteria Exceedances Report

**GCA83769 - SOLITUDE**

**Monday, July 09, 2018**

**Criteria:** NY: DW  
**State:** NY

---

**SampNo**  | **Acode**  | **Phoenix Analyte**  | **Criteria**  | **Result**  | **RL**  | **Criteria**  | **RL Criteria**  | **Analysis**  |
--- | --- | --- | --- | --- | --- | --- | --- | --- |

*** No Data to Display ***

---

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 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 4.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)