Monday, August 21, 2017

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

Project ID:  CROTON RIVER
Sample ID#:s: BY83690 - BY83697

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

### Custody Information
- **Collected by:** CD
- **Received by:** B
- **Analyzed by:** see "By" below
- **Date:** 08/14/17
- **Time:** 9:15
- **Date:** 08/14/17
- **Time:** 14:56

### Project ID:
- CROTON RIVER

### Client ID:
- DW1-A

### Laboratory Data
- **SDG ID:** GBY83690
- **Phoenix ID:** BY83690

### Parameter Results

<table>
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<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>
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| QA/QC Surrogates  |            |        |     |       |    |     |      |           |      |           |
| % 1,3-Dimethyl-2-nitrobenzene | 88 | 1 | % | NA | NA | NA | 08/15/17 | MH | 70 - 130 % |
| % benzo(a)pyrene-d12 | 96 | 1 | % | NA | NA | NA | 08/15/17 | MH | 70 - 130 % |
| % Triphenylphosphate | 102 | 1 | % | NA | NA | NA | 08/15/17 | MH | 70 - 130 % |
Phoenix I.D.: BY83690

Client ID: DW1-A

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

**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

August 21, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
August 21, 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: Standard
- P.O. #: 

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

Laboratory Data
- SDG ID: GBY83690
- Phoenix ID: BY83691

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<tr>
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<td>70 - 130 %</td>
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August 21, 2017

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Analysis Report  
August 21, 2017

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- **Location Code:** SOLITUDE
- **Rush Request:** Standard
- **P.O. #:**

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

**Laboratory Data**
- **SDG ID:** GBY83690
- **Phoenix ID:** BY83692

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<td>Triphenylphosphate</td>
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<td>70 - 130 %</td>
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August 21, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
August 21, 2017

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

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

Laboratory Data
- SDG ID: GBY83690
- Phoenix ID: BY83693

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<td>%</td>
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<td>% benzo(a)pyrene-d12</td>
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<td>% Triphenylphosphate</td>
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<td>%</td>
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<td>NA</td>
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</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  
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August 21, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
# Analysis Report

**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:** Standard  
- **P.O. #:**

**Custody Information**
- **Collected by:** CD  
- **Received by:** B  
- **Analyzed by:** see “By” below

**Laboratory Data**

**SDG ID:** GBY83690  
**Phoenix ID:** BY83694

### Laboratory Data

**Parameter** | **Result** | **RL/PQL** | **DIL** | **Units** | **AL** | **MCL** | **MCLG** | **Date/Time** | **By** | **Reference**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Extraction for 525.3 | Completed | | | | | | | 08/14/17 | H/H | E525.3

### Semivolatile Organic

#### Fluridone
- **Result:** ND  
- **RL/PQL:** 0.30  
- **DIL:** 1  
- **Units:** ug/L  
- **Date/Time:** 08/15/17  
- **By:** MH  
- **Reference:** E525.3

#### QA/QC Surrogates

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Sample Information
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Location Code: SOLITUDE
Rush Request: Standard
P.O.#:

Custody Information
Collected by: CD
Received by: B
Analysis by: see "By" below

Laboratory Data
SDG ID: GBY83690
Phoenix ID: BY83695

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

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<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>08/15/17</td>
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<td>% benzo(a)pyrene-d12</td>
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<td>08/15/17</td>
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<td>70 - 130 %</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
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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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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
August 21, 2017

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

**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:** Standard  
- **P.O.**:

### Custody Information

- **Collected by:** CD  
- **Received by:** B  
- **Analyzed by:** see “By” below  
- **Date:** 08/14/17  
- **Time:** 08/14/17: 9:05 - 14:56

---

### Laboratory Data

- **SDG ID:** GBY83690  
- **Phoenix ID:** BY83696

---

### Parameter Results

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</th>
<th>RL/</th>
<th>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>
</tr>
</thead>
<tbody>
<tr>
<td>Extraction for 525.3</td>
<td>Completed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>08/14/17</td>
<td></td>
<td>H/H</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>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluridone</td>
<td>ND</td>
<td>0.30</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>08/16/17</td>
<td>MH</td>
<td>E525.3</td>
</tr>
<tr>
<td><strong>QA/QC Surrogates</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>90</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>08/16/17</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>NA</td>
<td>NA</td>
<td>08/16/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>89</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>08/16/17</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.


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
August 21, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
August 21, 2017

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

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

Laboratory Data
SDG ID: GBY83690
Phoenix ID: BY83697

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

Semivolatile Organic
Fluridone | ND | 0.30 | 1 | ug/L |  |  |  |  | MH | E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 85 | 1 | % | NA | NA | NA | 08/16/17 | MH | 70 - 130 %
% benzo(a)pyrene-d12 | 84 | 1 | % | NA | NA | NA | 08/16/17 | MH | 70 - 130 %
% Triphenylphosphate | 82 | 1 | % | NA | NA | NA | 08/16/17 | MH | 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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---

<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>
</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 (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not “detected” compounds.
QA/QC Report
August 21, 2017

QA/QC Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Blk</th>
<th>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 397623 (ug/L), QC Sample No: BY83690 (BY83690, BY83691, BY83692, BY83693, BY83694, BY83695, BY83696, BY83697)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
<td></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>ND</td>
<td>0.30</td>
<td>82</td>
<td></td>
<td></td>
<td>77</td>
<td>71</td>
<td>8.1</td>
<td>70 - 130</td>
<td>20</td>
</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>80</td>
<td>%</td>
<td>83</td>
<td>82</td>
<td>88</td>
<td>7.1</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
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</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>79</td>
<td>%</td>
<td>81</td>
<td>92</td>
<td>91</td>
<td>1.1</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>85</td>
<td>%</td>
<td>88</td>
<td>91</td>
<td>97</td>
<td>6.4</td>
<td>70 - 130</td>
<td>20</td>
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</tr>
</tbody>
</table>

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
Intf - Interference

Phyllis Shiller, Laboratory Director
August 21, 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.

---

<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>Analysis Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>*** No Data to Display ***</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 is above freezing up to 6°C)
<table>
<thead>
<tr>
<th>Sample Identification</th>
<th>Matrix Code</th>
<th>Date Sampled</th>
<th>Time Sampled</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW2 K-1</td>
<td>DW</td>
<td>8/14/17</td>
<td>9:05</td>
</tr>
<tr>
<td>DW2 K-2</td>
<td>DW</td>
<td>1/1/17</td>
<td>9:05</td>
</tr>
<tr>
<td>DW2 K-3</td>
<td>DW</td>
<td>1/1/17</td>
<td>9:05</td>
</tr>
<tr>
<td>DW2 K-4</td>
<td>DW</td>
<td>1/1/17</td>
<td>9:05</td>
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<tr>
<td>DW2 K-5</td>
<td>DW</td>
<td>1/1/17</td>
<td>9:05</td>
</tr>
</tbody>
</table>

**Analysis Request**

- 523 Acidic

**Remarks**

- Reclaimed by: [Signature] 8/14/17 11:28
- Accepted by: [Signature] 8/14/17 11:50

**Comments, Special Requirements or Regulations:**

- Date: 8/14/17
- Time: 11:50

**State where samples were collected:** NY