Thursday, September 27, 2018

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

Project ID: CROTON RIVER  
Sample ID#s: CB36395 - CB36398

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,

[Signature]
Phyllis Shiller  
Laboratory Director

NELAC - NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301
**Analysis Report**  
September 27, 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:** Standard  
- **P.O. #:**

---

### Custody Information
- **Collected by:**  
- **Received by:** LB  
- **Date/Time:** 09/21/18 12:20  
- **Date/Time:** 09/21/18 14:36  
- **Analyzed by:** see "By" below

---

### Laboratory Data
- **SDG ID:** GCB36395  
- **Phoenix ID:** CB36395

---

### Parameter Results

<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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<td></td>
<td></td>
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<td></td>
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<td></td>
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<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
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<td>NA</td>
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<td>09/26/18</td>
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<tr>
<td>benzo(a)pyrene-d12</td>
<td>86</td>
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<td>NA</td>
<td>NA</td>
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<td>09/26/18</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>Triphenylphosphate</td>
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<td>HM</td>
<td>70 - 130 %</td>
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**QA/QC Surrogates**

<table>
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<tr>
<th>Surrogate</th>
<th>Result</th>
<th>Dilution</th>
<th>%</th>
<th>AL</th>
<th>MCL</th>
<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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<table>
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<th>MCLG</th>
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<th>By Reference</th>
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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.


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 27, 2018  
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
September 27, 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: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GCB36395
Phoenix ID: CB36396

Parameter Result
RL/ PQL Units Date/Time By Reference
Extraction for 525.3 Completed 09/27/18 W/W E525.3

Semivolatile Organic
Fluridone 0.78 0.29 1 ug/L 09/27/18 HM E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene 82 1 % NA NA NA 09/27/18 HM 70 - 130 %
% benzo(a)pyrene-d12 87 1 % NA NA NA 09/27/18 HM 70 - 130 %
% Triphenylphosphate 92 1 % NA NA NA 09/27/18 HM 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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Phyllis Shiller, Laboratory Director
September 27, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President
## Analysis Report
September 27, 2018

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

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

### Laboratory Data
- **SDG ID:** GCB36395
- **Phoenix ID:** CB36397

### Parameter Result

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<th>Date/Time</th>
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<th>Reference</th>
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<tr>
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<td>1</td>
<td>ug/L</td>
<td>09/27/18</td>
<td>HM</td>
<td>E525.3</td>
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<tr>
<td><strong>QA/QC Surrogates</strong></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>86</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>09/27/18</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>86</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>09/27/18</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>09/27/18</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>Parameter</td>
<td>RL/PQL</td>
<td>Dilution</td>
<td>Units</td>
<td>AL</td>
<td>MCL</td>
<td>MCLG</td>
<td>Date/Time</td>
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</table>

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**Comments:**

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Phyllis Shiller, Laboratory Director
September 27, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President
**Analysis Report**  
September 27, 2018

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

---

**Sample Information**

<table>
<thead>
<tr>
<th>Matrix</th>
<th>Location Code</th>
<th>Rush Request</th>
<th>P.O.#</th>
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<tbody>
<tr>
<td>DRINKING WATER</td>
<td>SOLITUDE</td>
<td>Standard</td>
<td></td>
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</table>

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**Laboratory Data**

<table>
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<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>Extraction for 525.3</td>
<td>Completed</td>
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<td>09/25/18</td>
<td>W/W</td>
<td>E525.3</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></td>
<td></td>
<td>09/27/18</td>
<td>HM</td>
<td>E525.3</td>
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**Semivolatile Organic**

**QA/QC Surrogates**

<table>
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<tr>
<th>Surrogate</th>
<th>Result</th>
<th>Dilution</th>
<th>Units</th>
<th>MCL</th>
<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>83</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>09/27/18</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>86</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>09/27/18</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>94</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>09/27/18</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<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>
<td>Date/Time</td>
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</tbody>
</table>

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Phyllis Shiller, Laboratory Director

September 27, 2018

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

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<th>LCSD</th>
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<th>MS</th>
<th>MSD</th>
<th>MS RPD</th>
<th>% Rec Limits</th>
<th>% RPD Limits</th>
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<tbody>
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<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
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<tr>
<td>Fluridone</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>73 %</td>
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<td>81</td>
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<td>3.6</td>
<td>70 - 130</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>83 %</td>
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<td>81</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>88 %</td>
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<td>90</td>
<td>92</td>
<td>2.2</td>
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<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
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<td>100</td>
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<td>% benzo(a)pyrene-d12</td>
<td>93 %</td>
<td>89</td>
<td>93</td>
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<td>6.7</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
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<td>97</td>
<td>102</td>
<td>96</td>
<td>6.1</td>
<td>70 - 130</td>
<td>20</td>
<td></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
- LCS D - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference

| SDG I.D.: GCB36395 |  |

**Phyllis Shiller, Laboratory Director**  
September 27, 2018


<table>
<thead>
<tr>
<th>SampNo</th>
<th>Acode</th>
<th>Phoenix Analyte</th>
<th>Criteria</th>
<th>Result</th>
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<th>Criteria</th>
<th>Units</th>
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</thead>
</table>

*** 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 1.4°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)
<table>
<thead>
<tr>
<th>SAMPLE #</th>
<th>Matrix Code</th>
<th>Sample Information</th>
<th>Matrix Code</th>
<th>Sample Information</th>
<th>Analysis Request</th>
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<td>DW-1A</td>
<td>1230 X</td>
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<td>30300</td>
<td>DW-1A</td>
<td>1240 X</td>
<td>DW-1A</td>
<td>1210 X</td>
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</table>

**Comments, Special Requirements or Regulations:**
- [ ] Phoenix Std Report
- [ ] Excel
- [ ] GIS/Map
- [ ] Other

**Data Format:**
- [ ] E1uS
- [ ] NJ HazMat EDD
- [ ] NY EZ EDD (ASP)
- [ ] Other

**Data Package:**
- [ ] NY Reduced Delin.
- [ ] NY Enhanced (ASP B)
- [ ] Other

**Turnaround:**
- [ ] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [ ] 5 Days
- [ ] 10 Days
- [ ] Other

**Analysis Request:**
- [ ] Res Criteria
- [ ] Non-Res Criteria
- [ ] Impact to GW Soil Cleanup Criteria
- [ ] Impact to GW soil screen Criteria
- [ ] GW Criteria