Tuesday, September 12, 2017

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

Project ID: CROTON RIVER
Sample ID#s: BY98291 - BY98294

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: 72 Hour
P.O.#:

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

Laboratory Data
SDG ID: GBY98291
Phoenix ID: BY98291

Parameter | Result | RL/ PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By | Reference
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Extraction for 525.3 | Completed |  |  |  |  |  |  | 09/11/17 | E/E | E525.3

Semivolatile Organic
Fluridone | 0.72 | 0.29 | 1 | ug/L |  |  |  | 09/11/17 | MH | E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 96 | 1 | % | NA | NA | NA | 09/11/17 | MH | 70 - 130 %
% benzo(a)pyrene-d12 | 106 | 1 | % | NA | NA | NA | 09/11/17 | MH | 70 - 130 %
% Triphenylphosphate | 112 | 1 | % | NA | NA | NA | 09/11/17 | MH | 70 - 130 %
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</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 Reference</th>
</tr>
</thead>
</table>

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.

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Analysis Report  
September 12, 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
--- | ---
09/10/17 | 9:50
09/10/17 | 11:00

Laboratory Data

SDG ID: GBY98291  
Phoenix ID: BY98292

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

Semivolatile Organic

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</th>
<th>RL/ PQL</th>
<th>DIL</th>
<th>Units</th>
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<th>MCL</th>
<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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<tbody>
<tr>
<td>Fluridone</td>
<td>0.67</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
<td></td>
<td></td>
<td></td>
<td>09/11/17</td>
<td>MH</td>
<td>E525.3</td>
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<tr>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>95</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>09/11/17</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>105</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>09/11/17</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>110</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>09/11/17</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
</tbody>
</table>
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Phyllis Shiller, Laboratory Director
September 12, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
September 12, 2017

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Sample Information
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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: GBY98291
Phoenix ID: BY98293

Laboratory Data

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

Extraction for 525.3 Completed 09/11/17 E/E E525.3

Semivolatile Organic
Fluridone 0.80 0.29 1 ug/L 09/11/17 MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene 90 1 % NA NA NA 09/11/17 MH 70 - 130 %
% benzo(a)pyrene-d12 112 1 % NA NA NA 09/11/17 MH 70 - 130 %
% Triphenylphosphate 118 1 % NA NA NA 09/11/17 MH 70 - 130 %
### Comments:

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<th>Units</th>
<th>AL</th>
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<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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<td>09/11/17</td>
<td>E/E</td>
<td>E525.3</td>
</tr>
<tr>
<td>Semivolatile Organic</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Fluridone</td>
<td>0.64</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
<td></td>
<td></td>
<td></td>
<td>09/11/17</td>
<td>MH</td>
<td>E525.3</td>
</tr>
</tbody>
</table>

QA/QC Surrogates  

<p>| % 1,3-Dimethyl-2-nitrobenzene | 92 | 1 | % | NA | NA | NA | 09/11/17 | MH | 70 - 130 % |
| % benzo(a)pyrene-d12         | 100| 1 | % | NA | NA | NA | 09/11/17 | MH | 70 - 130 % |
| % Triphenylphosphate         | 108| 1 | % | NA | NA | NA | 09/11/17 | MH | 70 - 130 % |</p>
<table>
<thead>
<tr>
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<th>Result</th>
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<th>DIL</th>
<th>Units</th>
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September 12, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
QA/QC Report
September 12, 2017

QA/QC Data

<table>
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<tr>
<th>Parameter</th>
<th>Blank</th>
<th>%</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>
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<td>QA/QC Batch 400875 (ug/L), QC Sample No: BY98291 (BY98291, BY98292, BY98293, BY98294)</td>
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</tr>
<tr>
<td>Semivolatile Organic Compounds - Drinking Water</td>
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<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Fluridone</td>
<td>ND</td>
<td>0.30</td>
<td>88</td>
<td></td>
<td>114</td>
<td>118</td>
<td>3.4</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>96</td>
<td>%</td>
<td>97</td>
<td></td>
<td>90</td>
<td>98</td>
<td>8.5</td>
<td>70 - 130</td>
<td>20</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>106</td>
<td>%</td>
<td>99</td>
<td></td>
<td>97</td>
<td>106</td>
<td>8.9</td>
<td>70 - 130</td>
<td>20</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>110</td>
<td>%</td>
<td>104</td>
<td></td>
<td>107</td>
<td>114</td>
<td>6.3</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
</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
September 12, 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>
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<th>RL</th>
<th>Analysis Units</th>
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<tbody>
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<td></td>
<td></td>
<td></td>
<td></td>
<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 4°C.
(Note acceptance criteria is above freezing up to 6°C)
NY/NJ CHAIN OF CUSTODY RECORD

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: Solid Waste Management
Address: 398 East Washington Ave Suite C
Washington, NJ 07642

Project: Custon River
Report to: Chris Doyle
Invoice to: Attn: Krista

This section MUST be completed with Bottle Quantities.

Sample's
Signature: [Signature]
Date: 9/10/17

Analysis
Request

PHOENIX USE
ONLY SAMPLE #
Customer Sample
Identification
Sample Matrix
Date Sampled
Time Sampled

98291
UNH - 1
DW
9/10/17
9:35
X

98292
MB - 1
DW
9/10/17
9:50
X

98293
RFH - 1

9/10/17
9:55
X

98294
HF - 1

9/10/17
10:10
X

Relinquished by:

Accepted by:

Date: 9/10/17
Time: 11:00

3 Day TAT

Comments, Special Requirements or Regulations: