Wednesday, November 22, 2017

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

Project ID: CROTON RIVER
Sample ID#s: BZ44307 - BZ44314

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  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
# Analysis Report

**November 22, 2017**

## 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:** GBZ44307
- **Phoenix ID:** BZ44307

### Parameter Result

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<thead>
<tr>
<th>Parameter</th>
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<th>DIL</th>
<th>Units</th>
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<th>MCLG</th>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>85</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>70 - 130 %</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>94</td>
<td>1</td>
<td>%</td>
<td>NA</td>
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<td>70 - 130 %</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>MH</td>
<td>70 - 130 %</td>
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Parameter | Result | RL/PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By Reference
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RL/PQL = Reporting/Practical Quantitation Level
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**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

November 22, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
November 22, 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:  
Received by: LB  
Analyzed by: see "By" below  

Date  Time
11/18/17  8:00  
11/19/17  11:00  

Laboratory Data
SDG ID: GBZ44307  
Phoenix ID: BZ44308

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

Semivolatile Organic
Fluridone  0.46  0.29  1  ug/L  11/22/17  MH  E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene  89  1  %  NA  NA  NA  11/22/17  MH  70 - 130 %
% benzo(a)pyrene-d12  100  1  %  NA  NA  NA  11/22/17  MH  70 - 130 %
% Triphenylphosphate  97  1  %  NA  NA  NA  11/22/17  MH  70 - 130 %
Parameter | Result | PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By Reference
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Analysis Report
November 22, 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:
Received by: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ44307
Phoenix ID: BZ44309

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

QA/QC Surrogates

| % 1,3-Dimethyl-2-nitrobenzene | 85 | 1 | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 % |
| % benzo(a)pyrene-d12 | 91 | 1 | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 % |
| % Triphenylphosphate | 94 | 1 | % | NA | NA | NA | 11/22/17 | 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.


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Phyllis Shiller, Laboratory Director  
November 22, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President

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Analysis Report
November 22, 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: 
Received by: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ44307
Phoenix ID: BZ44310

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<th>By</th>
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Semivolatile Organic
Fluridone

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<th>QA/QC Surrogates</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>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>82</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>96</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>86</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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</table>
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**Phyllis Shiller, Laboratory Director**

November 22, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 22, 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: 
Received by: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ44307
Phoenix ID: BZ44311

Semivolatile Organic

Extraction for 525.3 Completed 11/21/17 H/H E525.3

Fluridone 0.35 0.29 1 ug/L 11/22/17 MH E525.3

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene 88 1 % NA NA NA 11/22/17 MH 70 - 130 %
% benzo(a)pyrene-d12 102 1 % NA NA NA 11/22/17 MH 70 - 130 %
% Triphenylphosphate 95 1 % NA NA NA 11/22/17 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.


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

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November 22, 2017

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Analysis Report
November 22, 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: 
Received by: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ44307
Phoenix ID: BZ44312

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<td>Fluridone</td>
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<tr>
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<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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</tr>
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<td>% Triphenylphosphate</td>
<td>86</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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Ver 1
### 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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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: GBZ44307
Phoenix ID: BZ44313

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<td></td>
<td>11/21/17</td>
<td></td>
<td>E525.3</td>
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Semivolatile Organic

Fluridone
0.41 0.29 1 ug/L 11/22/17 MH E525.3

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene
90 1 % NA NA NA 11/22/17 MH 70 - 130%

% benzo(a)pyrene-d12
98 1 % NA NA NA 11/22/17 MH 70 - 130%

% Triphenylphosphate
92 1 % NA NA NA 11/22/17 MH 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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Rush Request: 72 Hour
P.O.#

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

Date Time
11/18/17 8:15
11/19/17 11:00

Laboratory Data
SDG ID: GBZ44307
Phoenix ID: BZ44314

Parameter Result

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</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>11/21/17</td>
<td>H/H</td>
<td>E525.3</td>
</tr>
<tr>
<td><strong>Semivolatile Organic</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluridone</td>
<td>0.45</td>
<td>11/22/17</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>
</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>94</td>
<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>103</td>
<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>100</td>
<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
Parameter | Result | PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By | Reference
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---

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.

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

November 22, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
QA/QC Report
November 22, 2017

QA/QC Data

SDG I.D.: GBZ44307

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Blk Blank</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 410489 (ug/L), QC Sample No: BZ43797 (BZ44307, BZ44308, BZ44309, BZ44310, BZ44311, BZ44312, BZ44313, BZ44314)</td>
<td>ND 0.30</td>
<td></td>
<td>107</td>
<td>117</td>
<td>113</td>
<td>3.5</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semivolatile Organic Compounds - Drinking Water</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>78</td>
<td>%</td>
<td>107</td>
<td>117</td>
<td>113</td>
<td>3.5</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>88</td>
<td></td>
<td>86</td>
<td>90</td>
<td>4.5</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>78</td>
<td>%</td>
<td>92</td>
<td>99</td>
<td>97</td>
<td>2.0</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>86</td>
<td>%</td>
<td>99</td>
<td>97</td>
<td>96</td>
<td>1.0</td>
<td>70 - 130</td>
<td>20</td>
<td></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
November 22, 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.
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 2.4°C.
(Note acceptance criteria is above freezing up to 6°C)
### NY/NJ Chain of Custody Record

**PHOENIX Environmental Laboratories, Inc.**

**Customer:** SLM
**Address:** 202 East Washington Ave, Suite C
Washington, NJ 07880

**Project:** Crowne Plaza
**Report to:** Chris Doyle
**Invoice to:** Krista H

#### Client Sample - Information - Identification

**Sampler's Signature:**
**Date:**
**Matrix Code:**
- DW = Drinking Water
- GW = Ground Water
- SW = Surface Water
- WW = Waste Water
- RW = Raw Water
- SE = Sediment
- SL = Sludge
- S = Soil
- SD = Solid
- W = Wipe
- OIL = Oil
- B = Bulk
- L = Liquid

#### PHOENIX USE ONLY

<table>
<thead>
<tr>
<th>SAMPLE #</th>
<th>Customer Sample Identification</th>
<th>Sample Matrix</th>
<th>Date Sampled</th>
<th>Time Sampled</th>
</tr>
</thead>
<tbody>
<tr>
<td>44307</td>
<td>Dw_1A</td>
<td>Dw</td>
<td>11/18/17</td>
<td>8:00 A</td>
</tr>
<tr>
<td>44308</td>
<td>Dw_1B</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>44309</td>
<td>Dw_1A</td>
<td></td>
<td>8:05 A</td>
<td></td>
</tr>
<tr>
<td>44310</td>
<td>Dw_2B</td>
<td></td>
<td>8:00 A</td>
<td></td>
</tr>
<tr>
<td>44311</td>
<td>Dw_3A</td>
<td></td>
<td>8:00 A</td>
<td></td>
</tr>
<tr>
<td>44312</td>
<td>Dw_3B</td>
<td></td>
<td>8:00 A</td>
<td></td>
</tr>
<tr>
<td>44313</td>
<td>Dw_4A</td>
<td></td>
<td>8:15 A</td>
<td></td>
</tr>
<tr>
<td>44314</td>
<td>Dw_4B</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Relinquished by:
**John M. D. Flanery**
**Date:** 11/17/17 8:00
**Accepted by:**
**Date:** 11/17/17 10:00

**Comments, Special Requirements or Regulations:**

### Analysis Request

**Fluids:**
- Gas

**Turnaround:**
- 1 Day
- 2 Days
- 3 Days
- 5 Days
- 10 Days
- 15 Days
- 30 Days
- Other

**What State were samples collected from?**

#### Data Format

- Phoenix Std Report
- Excel
- PDF
- GIS/Key
- EGULS
- NJ Hazmat EDD
- NY EZ EDD (ASP)
- Other

#### Data Package

- NJ Reduced Deliv.
- NY Enhanced (ASP)
- Other