Monday, November 20, 2017

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

Project ID: CROTON RIVER
Sample ID#s: BZ41298 - BZ41309

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
Analysis Report  
November 20, 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:** B  
- **Analyzed by:** see "By" below  

### Laboratory Data
- **SDG ID:** GBZ41298
- **Phoenix ID:** BZ41298  

### Parameter Results

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<tr>
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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>MH</td>
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<tr>
<td>% Triphenylphosphate</td>
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<td>MH</td>
<td>70 - 130 %</td>
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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.


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**Phyllis Shiller, Laboratory Director**

November 20, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 20, 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: B
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ41298
Phoenix ID: BZ41299

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

Semivolatile Organic
Extraction for 525.3 Completed 11/16/17 Q/Q E525.3

Fluridone

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<th>Units</th>
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<td>mg/L</td>
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QA/QC Surrogates

<table>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>11/16/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
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<td>% benzo(a)pyrene-d12</td>
<td>106</td>
<td>1</td>
<td>%</td>
<td>NA</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>100</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
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<td></td>
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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.
Analysis Report
November 20, 2017

FOR: Atttn: 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: B
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ41298
Phoenix ID: BZ41300

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

Semivolatile Organic

Fluridone | 1.1 | 0.29 | 1 | ug/L | | | | | |

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene | 85 | 1 | % | NA | NA | NA | 11/16/17 | MH | 70 - 130 %
% benzo(a)pyrene-d12 | 97 | 1 | % | NA | NA | NA | 11/16/17 | MH | 70 - 130 %
% Triphenylphosphate | 93 | 1 | % | NA | NA | NA | 11/16/17 | MH | 70 - 130 %
** Comments:**

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Analysis Report
November 20, 2017

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

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

Laboratory Data
SDG ID: GBZ41298
Phoenix ID: BZ41301

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

Semivolatile Organic
Fluridone | 1.1 | 0.29 | 1 | ug/L | 11/16/17 | MH | E525.3 | 1

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 94 | 1 | % | NA | NA | NA | 11/16/17 | MH | 70 - 130 %
% benzo(a)pyrene-d12 | 103 | 1 | % | NA | NA | NA | 11/16/17 | MH | 70 - 130 %
% Triphenylphosphate | 107 | 1 | % | NA | NA | NA | 11/16/17 | MH | 70 - 130 %
# Comments:

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**Phyllis Shiller, Laboratory Director**

**November 20, 2017**

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

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Ver 1
Analysis Report
November 20, 2017

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

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

Laboratory Data
SDG ID: GBZ41298
Phoenix ID: BZ41302

Parameter Result
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<td>E525.3</td>
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Semivolatile Organic
Fluridone 0.50 0.29 1 ug/L 11/16/17 MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene 93 1 % NA NA NA 11/16/17 MH 70 - 130 %
% benzo(a)pyrene-d12 111 1 % NA NA NA 11/16/17 MH 70 - 130 %
% Triphenylphosphate 101 1 % NA NA NA 11/16/17 MH 70 - 130 %
Parameter Result PQL DIL Units AL MCL MCLG Date/Time By Reference

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November 20, 2017
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Analysis Report  
November 20, 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: B
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ41298
Phoenix ID: BZ41303

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Semivolatile Organic

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<tr>
<td>% Triphenylphosphate</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>11/16/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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### Parameter Result

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Analysis Report  
November 20, 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: B  
Analyzed by: see "By" below  

Laboratory Data  
SDG ID: GBZ41298  
Phoenix ID: BZ41304  

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<td>E525.3</td>
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<tr>
<td>Fluridone</td>
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<td>ug/L</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>102</td>
<td>1</td>
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<td>NA</td>
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Phyllis Shiller, Laboratory Director
November 20, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
November 20, 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: B  
Analyzed by: see “By” below  

Date Time
11/14/17 12:15
11/14/17 15:28

Laboratory Data  
SDG ID: GBZ41298  
Phoenix ID: BZ41305

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<td>% benzo(a)pyrene-d12</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>96</td>
<td>1</td>
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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.

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Phyllis Shiller, Laboratory Director  
November 20, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 20, 2017

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

Sample Information

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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>NA</td>
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<td>% benzo(a)pyrene-d12</td>
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<td>11/17/17</td>
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Laboratory Data

SDG ID: GBZ41298
Phoenix ID: BZ41306

Analysis Report November 20, 2017

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

Sample Information

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<tr>
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<td>94</td>
<td>1</td>
<td>%</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>%</td>
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<td>11/17/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>99</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
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<td>11/17/17</td>
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---

**Phyllis Shiller, Laboratory Director**  
November 20, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Sample Information
- Matrix: DRINKING WATER
- Location Code: SOLITUDE
- Rush Request: 72 Hour
- P.O.:

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

Laboratory Data
- SDG ID: GBZ41298
- Phoenix ID: BZ41307

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<tr>
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<td>0.65</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
<td>11/17/17</td>
<td>MH</td>
</tr>
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</table>

QA/QC Surrogates
- % 1,3-Dimethyl-2-nitrobenzene | 99 | 1 | % | NA | NA | NA | 11/17/17 | MH | 70 - 130 % |
- % benzo(a)pyrene-d12 | 106 | 1 | % | NA | NA | NA | 11/17/17 | MH | 70 - 130 % |
- % Triphenylphosphate | 103 | 1 | % | NA | NA | NA | 11/17/17 | MH | 70 - 130 % |
Project ID: CROTON RIVER  
Client ID: MB-1  

Phoenix I.D.: BZ41307

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<th>Parameter</th>
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Phyllis Shiller, Laboratory Director  
November 20, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 20, 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: B 
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ41298
Phoenix ID: BZ41308

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<td>E525.3</td>
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</table>

Semivolatile Organic

Fluridone                           | 0.68       | 0.29    | 1   | ug/L  |    |     |      | 11/17/17  | MH     | E525.3    |

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene        | 98         | 1       | %   | NA    | NA |     |      | 11/17/17  | MH     | 70 - 130 %|
% benzo(a)pyrene-d12                 | 108        | 1       | %   | NA    | NA |     |      | 11/17/17  | MH     | 70 - 130 %|
% Triphenylphosphate                 | 105        | 1       | %   | NA    | NA |     |      | 11/17/17  | MH     | 70 - 130 %|
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<th>Result</th>
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<th>DIL</th>
<th>Units</th>
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<th>MCL</th>
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<th>Date/Time</th>
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Phyllis Shiller, Laboratory Director  
November 20, 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: 72 Hour  
- P.O.:

**Custody Information**
- Collected by:  
- Received by: B  
- Analyzed by: see “By” below  
- Date: 11/14/17  
- Time: 11:10  
- Date: 11/14/17  
- Time: 15:28

### Laboratory Data

**SDG ID:** GBZ41298  
**Phoenix ID:** BZ41309

**Project ID:** CROTON RIVER  
**Client ID:** HF-1

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<td>70 - 130 %</td>
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**Ver 1**
### Comments:

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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
November 20, 2017
Sample Criteria Exceedances Report
GBZ41298 - SOLITUDE

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*** No Data to Display ***

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 1.9°C. (Note acceptance criteria is above freezing up to 6°C)
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<th>Sample Matrix</th>
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<th>Time Sampled</th>
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**Comments, Special Requirements or Regulations:**

[Signature]

[Signature]
### NY/NJ Chain of Custody Record

**Client:** SLM  
**Address:** 310 East Washington Ave. Suite C  
**Project:**  
**Report to:** Chess Doyle  
**Invoice to:** Keith M

#### Client Sample - Information - Identification

<table>
<thead>
<tr>
<th>Sample's Signature</th>
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#### Analysis Request

- **Sample:** Fluoride 55S

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<tr>
<td>SAMPLE #</td>
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#### Turnaround:

- **NJ:**  
  - Res. Criteria
  - Non-Res. Criteria
  - Impact to GW Soil Cleanup Criteria
  - Impact to GW Soil Screen Criteria
  - GW Criteria

- **NY:**  
  - TOGS GW
  - CP-51 SOIL
  - 375SCO
  - Unrestricted Soil
  - Residential Soil
  - 375SCO Residential
  - 375SCO Commercial Soil
  - Industrial Soil
  - Subpart 5 DW

#### Data Format:

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

#### Data Package:

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

**Relinquished by:**  
**Accepted by:**

- **Date:** 11/14/17  
**Time:** 15:23

**Comments, Special Requirements or Regulations:**

---

**Temp:** 94°C  
**Coolant:** IPK  
**Contact Options:**

- **Fax:** 908-850-0303
- **Phone:**  
- **Email:** Doyle@Smithville.com