Tuesday, October 30, 2018

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

Project ID: CROTON RIVER
Sample ID#s: CB81449 - CB81452

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  UT Lab Registration #CT00007
NH Lab Registration #213694-A,B  VT Lab Registration #VT11301
Analysis Report  
October 30, 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  
Date: 10/24/18  
Time: 10:30  
Analyzed by: see "By" below  
Date: 10/24/18  
Time: 15:55

Laboratory Data
SDG ID: GCB81449  
Phoenix ID: CB81449

<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>
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<tbody>
<tr>
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<td>10/25/18</td>
<td>W/W</td>
<td>E525.3</td>
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<tr>
<td>Semivolatile Organic</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Fluridone</td>
<td>0.65</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
<td></td>
<td></td>
<td></td>
<td>10/25/18</td>
<td>MH</td>
<td>E525.3</td>
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<tr>
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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>
<td></td>
<td>10/25/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/25/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>98</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/25/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>

Ver 1
**Parameter** | **Result** | **PQL** | **DIL** | **Units** | **AL** | **MCL** | **MCLG Date/Time** | **By** | **Reference**
---|---|---|---|---|---|---|---|---|---

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 (preceded 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

October 30, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President
## Analysis Report
**October 30, 2018**

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

### Custody Information
- **Collected by:**
- **Received by:** LB
- **Date:** 10/24/18 10:30
- **Time:** 15:55
- **Analyzed by:** see "By" below

### Laboratory Data
- **SDG ID:** GCB81449
- **Phoenix ID:** CB81450

### Parameter | Result | RL/PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By | Reference
---|---|---|---|---|---|---|---|---|---|---
Extraction for 525.3 | Completed | | | | | | | 10/25/18 | W/W | E525.3

### Semivolatile Organic
- **Fluridone**
  - 0.49 0.29 1 ug/L 10/25/18 MH E525.3

### QA/QC Surrogates
- **% 1,3-Dimethyl-2-nitrobenzene**
  - 84 1 % NA NA NA 10/25/18 MH 70 - 130 %
- **% benzo(a)pyrene-d12**
  - 87 1 % NA NA NA 10/25/18 MH 70 - 130 %
- **% Triphenylphosphate**
  - 95 1 % NA NA NA 10/25/18 MH 70 - 130 %
**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**

October 30, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
October 30, 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.#:

Laboratory Data
SDG ID: GCB81449
Phoenix ID: CB81451

Analysis Report
October 30, 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.#:

Laboratory Data
SDG ID: GCB81449
Phoenix ID: CB81451

Parameter Result
RL/ PQL DIL Units AL MCL MCLG Date/Time By Reference
Extraction for 525.3 Completed 10/25/18 W/W E525.3

Semivolatile Organic
Fluridone 0.64 0.29 1 ug/L 10/25/18 MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene 77 1 % NA NA NA 10/25/18 MH 70 - 130 %
% benzo(a)pyrene-d12 81 1 % NA NA NA 10/25/18 MH 70 - 130 %
% Triphenylphosphate 87 1 % NA NA NA 10/25/18 MH 70 - 130 %

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

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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
October 30, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
October 30, 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

Date
10/24/18
10/24/18
10/24/18

Time
10:45
15:55
see “By” below

Laboratory Data
SDG ID: GCB81449
Phoenix ID: CB81452

Parameter Result

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<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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<td></td>
<td></td>
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<td></td>
<td></td>
<td>10/29/18</td>
<td>W/W</td>
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<td>Semivolatile Organic</td>
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<td></td>
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<tr>
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<td>ug/L</td>
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<td>10/30/18</td>
<td>MH</td>
<td>E525.3</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>10/30/18</td>
<td>MH</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>NA</td>
<td></td>
<td>10/30/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>87</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/30/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>

Ver 1
Parameter Result  RL/PQL  DIL  Units  AL  MCL  MCLG Date/Time  By  Reference

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Phyllis Shiller, Laboratory Director
October 30, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President
### QA/QC Report

October 30, 2018

#### QA/QC Data

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<tr>
<th>Parameter</th>
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<th>LCSD</th>
<th>LCS</th>
<th>RPD</th>
<th>Limits</th>
<th>Rec Limits</th>
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<tbody>
<tr>
<td>QA/QC Batch 453458 (ug/L), QC Sample No: CB81449 (CB81449, CB81450, CB81451)</td>
<td>ND 0.30</td>
<td>90</td>
<td>87</td>
<td>3.4</td>
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<td>Semivolatile Organic Compounds - Drinking Water</td>
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<tr>
<td>Fluridone</td>
<td>87 %</td>
<td>86</td>
<td>88</td>
<td>88</td>
<td>0.0</td>
<td>70 - 130</td>
<td>20</td>
</tr>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>88 %</td>
<td>88</td>
<td>91</td>
<td>88</td>
<td>3.4</td>
<td>70 - 130</td>
<td>20</td>
</tr>
<tr>
<td>Triphenylphosphate</td>
<td>98 %</td>
<td>98</td>
<td>98</td>
<td>99</td>
<td>1.0</td>
<td>70 - 130</td>
<td>20</td>
</tr>
</tbody>
</table>

Comment:

Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.

#### QA/QC Batch 453873 (ug/L), QC Sample No: CB83243 (CB81452)

Semivolatile Organic Compounds - Drinking Water

<table>
<thead>
<tr>
<th>Parameter</th>
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<th>LCS</th>
<th>RPD</th>
<th>Limits</th>
<th>Rec Limits</th>
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</thead>
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<tr>
<td>ND 0.30</td>
<td>79</td>
<td>85</td>
<td>88</td>
<td>3.5</td>
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<td>20</td>
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<tr>
<td>Fluridone</td>
<td>85 %</td>
<td>80</td>
<td>84</td>
<td>88</td>
<td>4.7</td>
<td>70 - 130</td>
<td>20</td>
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<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>88 %</td>
<td>78</td>
<td>91</td>
<td>92</td>
<td>1.1</td>
<td>70 - 130</td>
<td>20</td>
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<tr>
<td>Triphenylphosphate</td>
<td>100 %</td>
<td>90</td>
<td>100</td>
<td>99</td>
<td>1.0</td>
<td>70 - 130</td>
<td>20</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
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.
NY Temperature Narration
October 30, 2018

SDG I.D.: GCB81449

The samples in this delivery group were received at 3.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)
### NY/NJ/PA CHAIN OF CUSTODY RECORD

**PHOENIX Environmental Laboratories, Inc.**

567 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040

Email: info@phoenixlab.com  Fax: (860) 645-0823

Client Services (860) 645-0826

---

**Customer:** Solitude Lake Management

**Address:** 304 E Washington Ave Suite 1

**Washington, NY 07882**

**Project:** Catoosa River

**Report to:** Chris Doyle

**Invoice to:** Krista M.

**Sample & Information - Identification**

**Signature:** [Signature]

**Date:** 10/24/18

**Matrix Code:**

- DW = Drinking Water
- GW = Ground Water
- SW = Surface Water
- WW = Waste Water
- NK = Non-Know Water
- SL = Sediment
- WD = Wipe
- SO = Soil
- LD = Liquid
- DL = Dry

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<td>10/30</td>
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</tbody>
</table>

**Remarks:**

- ✔️ = Transported
- ❌ = Not Transported

**Relinquished by:** [Signature]

**Accepted by:** [Signature]

**Date:** 10/24/18

**Time:** 1:24

**Turnaround:**

- 1 Day
- 2 Days
- 3 Days
- 5 Days
- 10 Days
- Other

**BU:**

- TOGS GW
- CP-51 SOIL
- 3755CO
- Unrestricted Soil
- Residential Soil
- 3755CO Residential
- 3755CO Commercial Soil
- 3755CO Industrial Soil
- Subpart 5 DW

**Comments, Special Requirements or Regulations:**

- Phoex Std Report
- Excel
- PDF
- GIS/Map
- Other

- NY Enhanced (ASP B)

**State Samples Collected:** NY