Tuesday, October 24, 2017

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

Project ID: CROTON RIVER
Sample ID#s: BZ24447 - BZ24454

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
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
VT Lab Registration #VT11301
Analysis Report
October 24, 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
10/19/17 12:20
10/19/17 15:49

Laboratory Data
SDG ID: GBZ24447
Phoenix ID: BZ24447

Parameter Result RL/ PQL Units AL MCL MCLG Date/Time By Reference
Extraction for 525.3 Completed 10/20/17 KH/KH E525.3

Semivolatile Organic
Fluridone

<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>Fluridone</td>
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<td></td>
<td>10/22/17</td>
<td>MH</td>
<td>E525.3</td>
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QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene
% benzo(a)pyrene-d12
% Triphenylphosphate

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<th>Units</th>
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<th>MCLG</th>
<th>Date/Time</th>
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<tr>
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<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
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<td>10/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>95</td>
<td>1</td>
<td>%</td>
<td>NA</td>
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<td>% Triphenylphosphate</td>
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<td>10/22/17</td>
<td>MH</td>
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<td>MCLG</td>
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<td>By Reference</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  
October 24, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
October 24, 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
10/19/17  12:20
10/19/17  15:49

Laboratory Data
SDG ID: GBZ24447
Phoenix ID: BZ24448

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

Extraction for 525.3 Completed 10/20/17 KH/KH E525.3

Semivolatile Organic
Fluridone 0.45 0.29 1 ug/L 10/22/17 MH E525.3 1

QA/QC Surrogates
<table>
<thead>
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<th></th>
<th>RL</th>
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<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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</thead>
<tbody>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>97</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>94</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
Parameter | Result | PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By Reference
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---

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October 24, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
October 24, 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
Analysed by: see "By" below

Date Time
10/19/17 12:25
10/19/17 15:49

Laboratory Data
SDG ID: GBZ24447
Phoenix ID: BZ24449

Parameter Result RL/PQL DIL Units AL MCL MCLG Date/Time By Reference
Extraction for 525.3 Completed 0.29 1 ug/L 10/20/17 KH/KH E525.3

Semivolatile Organic
Fluridone 1.0 0.29 1 ug/L 10/22/17 MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene 91 1 % NA NA NA 10/22/17 MH 70 - 130 %
% benzo(a)pyrene-d12 98 1 % NA NA NA 10/22/17 MH 70 - 130 %
% Triphenylphosphate 97 1 % NA NA NA 10/22/17 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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**Comments:**

Phyllis Shiller, Laboratory Director
October 24, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
October 24, 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
10/19/17 12:25
10/19/17 15:49

Laboratory Data
SDG ID: GBZ24447
Phoenix ID: BZ24450

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<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>Completed</td>
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<td></td>
<td></td>
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<td></td>
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<td>E525.3</td>
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<td><strong>Semivolatile Organic</strong></td>
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<tr>
<td>Fluridone</td>
<td>0.95</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
<td></td>
<td></td>
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<td>10/23/17</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>
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<td></td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>79</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td></td>
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<td>10/23/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>87</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>86</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td>10/23/17</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**
---|---|---|---|---|---|---|---|---|---

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**Comments:**

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Phyllis Shiller, Laboratory Director
October 24, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
October 24, 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
10/19/17 12:35
10/19/17 15:49

Laboratory Data
SDG ID: GBZ24447
Phoenix ID: BZ24451

Project ID: CROTON RIVER
Client ID: DW3-A

Table: Parameter Result RL/ PQL DIL Units AL MCL MCLG
Extraction for 525.3 Completed 10/20/17 KH/KH E525.3

Semivolatile Organic
Fluridone 0.51 0.29 1 ug/L 10/22/17 MH E525.3 1

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene 87 1 % NA NA NA 10/22/17 MH 70 - 130 %
% benzo(a)pyrene-d12 96 1 % NA NA NA 10/22/17 MH 70 - 130 %
% Triphenylphosphate 92 1 % NA NA NA 10/22/17 MH 70 - 130 %
**Parameter** | **Result** | **PQL** | **DIL** | **Units** | **AL** | **MCL** | **MCLG** | **Date/Time** | **By** | **Reference**
---|---|---|---|---|---|---|---|---|---|---
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October 24, 2017  
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Analysis Report
October 24, 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
10/19/17 12:35
10/19/17 15:49

Laboratory Data
SDG ID: GBZ24447
Phoenix ID: BZ24452

Parameter Result RL/ PQL DIL Units AL MCL MCLG Date/Time By Reference
Extraction for 525.3 Completed 10/22/17 E/E E525.3

Semivolatile Organic
Fluridone
0.47 0.29 1 ug/L 10/23/17 MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene
70 1 % NA NA NA 10/23/17 MH 70 - 130 %

% benzo(a)pyrene-d12
85 1 % NA NA NA 10/23/17 MH 70 - 130 %

% Triphenylphosphate
83 1 % NA NA NA 10/23/17 MH 70 - 130 %
### Comments:

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<th>PQL</th>
<th>DIL</th>
<th>Units</th>
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<th>MCL</th>
<th>MCLG</th>
<th>Date/Time</th>
<th>By Reference</th>
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Analysis Report
October 24, 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
10/19/17
10/19/17
10/19/17

Time
12:05
15:49

Laboratory Data
SDG ID: GBZ24447
Phoenix ID: BZ24453

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

Semivolatile Organic
Extraction for 525.3 Completed 10/20/17 K/H K/H E525.3

Fluridone
0.42 0.29 1 ug/L 10/22/17 MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene
80 1 % NA NA NA 10/22/17 MH 70 - 130 %

% benzo(a)pyrene-d12
86 1 % NA NA NA 10/22/17 MH 70 - 130 %

% Triphenylphospate
84 1 % NA NA NA 10/22/17 MH 70 - 130 %
**Parameter** | **Result** | **PQL** | **DIL** | **Units** | **AL** | **MCL** | **MCLG** | **Date/Time** | **By** | **Reference**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---

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Phyllis Shiller, Laboratory Director

October 24, 2017

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Analysis Report  
October 24, 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: GBZ24447  
Phoenix ID: BZ24454  

<table>
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<tr>
<td>Fluridone</td>
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<td>MH</td>
<td>E525.3</td>
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<td><strong>QA/QC Surrogates</strong></td>
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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>10/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>93</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>90</td>
<td>1</td>
<td>%</td>
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<td>NA</td>
<td>NA</td>
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<td>10/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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**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.


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 24, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
## QA/QC Data

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<th>Parameter</th>
<th>Blank</th>
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<th>LCSD</th>
<th>RCS</th>
<th>MS</th>
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<th>% RPD Limits</th>
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<td>ND</td>
<td>0.30</td>
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<tr>
<td>Semivolatile Organic Compounds - Drinking Water</td>
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<tr>
<td>Fluridone</td>
<td>ND</td>
<td>0.30</td>
<td>86</td>
<td>94</td>
<td>107</td>
<td>12.9</td>
<td>70 - 130</td>
<td>20</td>
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<tr>
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<td>89</td>
<td>%</td>
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<td>% benzo(a)pyrene-d12</td>
<td>86</td>
<td>%</td>
<td>87</td>
<td>89</td>
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<td>% Triphenylphosphate</td>
<td>92</td>
<td>%</td>
<td>91</td>
<td>88</td>
<td>96</td>
<td>8.7</td>
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<tr>
<td>Comment:</td>
<td>Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.</td>
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</tr>
<tr>
<td>Semivolatile Organic Compounds - Drinking Water</td>
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<tr>
<td>Fluridone</td>
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<td>0.30</td>
<td>91</td>
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<td>0.0</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>82</td>
<td>%</td>
<td>86</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>85</td>
<td>%</td>
<td>90</td>
<td>92</td>
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<td>7.9</td>
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<td>20</td>
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<tr>
<td>% Triphenylphosphate</td>
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<td>%</td>
<td>93</td>
<td>95</td>
<td>82</td>
<td>14.7</td>
<td>70 - 130</td>
<td>20</td>
</tr>
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</table>

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

October 24, 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>
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<tr>
<th>SampNo</th>
<th>Acode</th>
<th>Phoenix Analyte</th>
<th>Criteria</th>
<th>Result</th>
<th>RL</th>
<th>Criteria</th>
<th>RL Criteria</th>
<th>Analysis Units</th>
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<td></td>
<td></td>
<td></td>
<td></td>
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</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 3.5°C.
(Note acceptance criteria is above freezing up to 6°C)
### NY/NJ Chain of Custody Record

**Client:** SL M  
**Address:** 310 East Washington Ave Suite C  
**Washington 05 02822**

**Project:** Croton River  
**Report to:** Chris Dayle  
**Invoice to:** Christine M

#### Client Sample - Information - Identification

<table>
<thead>
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<th>Sample #</th>
<th>Customer Sample Identification</th>
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<th>Time Sampled</th>
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<td>Ow</td>
<td>10-09-17</td>
<td>6:29</td>
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<td>24448</td>
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<td>24449</td>
<td>Dw1-A</td>
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<td>24450</td>
<td>Dw1-B</td>
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<tr>
<td>24454</td>
<td>Dw4-B</td>
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#### Analysis Request

- **EPA Act 505**

#### Turnaround

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

#### Comments, Special Requirements or Regulations:

- Additional comments...

---

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

- **Date:** 10-19-17  
- **Time:** 15:49

**Data Format:**

- Phoenix Std Report
- Excel
- PDF
- GIF/Key
- EquiS
- NJ Haz rats EDD
- NY EZ EDD (ASP)
- Other

**Data Package:**

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

---

**Contact Options:**

- **Fax:** 988-880-0808
- **Phone:** 988-880-0808
- **Email:** CDayle@solidstate.com
Tuesday, October 24, 2017

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

Project ID: CROTON RIVER
Sample ID#:s BZ24455 - BZ24458

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
October 24, 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
10/19/17
10/19/17

Time
11:05
15:49

Laboratory Data
SDG ID: GBZ24455
Phoenix ID: BZ24455

Project ID: CROTON RIVER
Client ID: UNH-1

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 | | | | 10/20/17 | KH/KH | E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 87 | 1 | % | NA | NA | NA | 10/22/17 | MH | 70 - 130 %
% benzo(a)pyrene-d12 | 94 | 1 | % | NA | NA | NA | 10/22/17 | MH | 70 - 130 %
% Triphenylphosphate | 93 | 1 | % | NA | NA | NA | 10/22/17 | MH | 70 - 130 %
**Parameter** | **Result** | **PQL** | **DIL** | **Units** | **AL** | **MCL** | **MCLG** | **Date/Time** | **By Reference**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---

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**Comments:**

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---

Phyllis Shiller, Laboratory Director  
October 24, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
October 24, 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: GBZ24455  
Phoenix ID: BZ24456

Client ID: MB-1  
Project ID: CROTON RIVER

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<th>By</th>
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<td>Fluridone</td>
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<td>ug/L</td>
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<td>MH</td>
<td>E525.3</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>87</td>
<td>1</td>
<td>%</td>
<td>NA</td>
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<td>NA</td>
<td>10/22/17</td>
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<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>
<td>10/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
<td></td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>10/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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Phoenix I.D.: BZ24456

Project ID: CROTON RIVER
Client ID: MB-1

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

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Phyllis Shiller, Laboratory Director
October 24, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
October 24, 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
10/19/17 11:35
10/19/17 15:49

Laboratory Data

SDG ID: GBZ24455
Phoenix ID: BZ24457

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

Extraction for 525.3 Completed 10/22/17 E/E E525.3

Semivolatile Organic

Fluridone
0.45 0.29 1 ug/L 10/23/17 MH E525.3

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene 86 1 % NA NA NA 10/23/17 MH 70 - 130 %
% benzo(a)pyrene-d12 88 1 % NA NA NA 10/23/17 MH 70 - 130 %
% Triphenylphosphate 92 1 % NA NA NA 10/23/17 MH 70 - 130 %

Ver 1
### Parameter Result

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<tr>
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<th>MCL</th>
<th>MCLG</th>
<th>Date/Time</th>
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Phyllis Shiller, Laboratory Director  
October 24, 2017  
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Analysis Report
October 24, 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
10/19/17  11:50
10/19/17  15:49

Laboratory Data
SDG ID: GBZ24455
Phoenix ID: BZ24458

Project ID: CROTON RIVER
Client ID: HF-1

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**Semivolatile Organic**

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<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoride</td>
<td>0.54</td>
<td>0.29</td>
<td>1</td>
<td>ug/L</td>
<td>10/24/17</td>
<td>MH</td>
<td>E525.3</td>
</tr>
</tbody>
</table>

**QA/QC Surrogates**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</th>
<th>RL/PQL</th>
<th>DIL</th>
<th>Units</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>85</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>10/24/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>88</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>10/24/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>86</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>10/24/17</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
October 24, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
# QA/QC Report
October 24, 2017

## QA/QC Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Blank</th>
<th>LCS</th>
<th>LCSD</th>
<th>MS</th>
<th>MSD</th>
<th>% Rec Limits</th>
<th>RPD Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fluridone</strong></td>
<td>0.30</td>
<td>86</td>
<td>94</td>
<td>107</td>
<td>12.9</td>
<td>70 - 130</td>
<td>20</td>
</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>86%</td>
<td>84</td>
<td>87</td>
<td>89</td>
<td>2.3</td>
<td>70 - 130</td>
<td>20</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>92%</td>
<td>91</td>
<td>88</td>
<td>96</td>
<td>8.7</td>
<td>70 - 130</td>
<td>20</td>
</tr>
<tr>
<td><strong>Triphenylphosphate</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comment: Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **Semivolatile Organic Compounds - Drinking Water**                      |       |     |      |    |      |              |            |
| **Fluridone**                                                            | 0.30  | 91  | 85   | 85 | 0.0  | 70 - 130     | 20         |
| % 1,3-Dimethyl-2-nitrobenzene                                            | 82%   | 86  | 92   | 76 | 19.0 | 70 - 130     | 20         |
| % benzo(a)pyrene-d12                                                     | 85%   | 90  | 92   | 85 | 7.9  | 70 - 130     | 20         |
| % Triphenylphosphate                                                     | 101%  | 93  | 95   | 82 | 14.7 | 70 - 130     | 20         |
| 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
October 24, 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.
Analysis Comments

October 24, 2017

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 3.5°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: SLM
Address: 310 East Washington Ave suite C
          Washington, NJ 07882

Project: Croton River
Report to: Chris Doyle
Invoice to: Christina M.

---

### Client Sample - Information - Identification

<table>
<thead>
<tr>
<th>SAMPLE #</th>
<th>Identification</th>
<th>Sample Matrix</th>
<th>Date Sampled</th>
<th>Time Sampled</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>24455</td>
<td>uNH-1</td>
<td>DW</td>
<td>10-19-17</td>
<td>11:05</td>
<td></td>
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<tr>
<td>24456</td>
<td>MB-1</td>
<td></td>
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<td></td>
<td>11:05</td>
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<td>24457</td>
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<td>24458</td>
<td>IF-1</td>
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<td></td>
<td>11:50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Analysis Request

- Perfluorosulfate (PFS)

---

### Requisitioned by:

- [ ] 1 Day
- [x] 2 Days
- [x] 3 Days
- [ ] 5 Days
- [ ] 10 Days
- [ ] Other

* SURCHARGE APPLIES

### Turnaround:

- [ ] Res. Criteria
- [ ] Non-Res. Criteria
- [ ] Impact to GW Soil Cleanup Criteria
- [ ] Impact to GW soil screen Criteria
- [ ] GW Criteria

### What State were samples collected?

- [ ] New Jersey (NJ)
- [ ] New York (NY)

---

### Data Format:

- [ ] Excel
- [ ] PDF
- [ ] GIS/Key
- [ ] EQuIS
- [ ] NJ Hazardous EDD
- [ ] NY EZ EDD (ASP)
- [ ] Other

---

### Comments, Special Requirements or Regulations:

---

### This section MUST be completed with Bottle Quantities.