Monday, July 30, 2018

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

Project ID: CROTON RIVER
Sample ID#s: CA97889 - CA97898

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
NV Lab Registration #CT11301

Analysis Report
July 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: SW
Analyzed by: see "By" below

Date | Time
--- | ---
07/25/18 | 8:15
07/25/18 | 16:04

Laboratory Data
SDG ID: GCA97889
Phoenix ID: CA97889

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

Semivolatile Organic

Fluridone
ND | 0.29 | 1 | ug/L | 07/29/18 | MH | E525.3 |

QA/QC Surrogates

| % 1,3-Dimethyl-2-nitrobenzene | 74 | 1 | % | NA | NA | NA | 07/29/18 | MH | 70 - 130 % |
| % benzo(a)pyrene-d12 | 77 | 1 | % | NA | NA | NA | 07/29/18 | MH | 70 - 130 % |
| % Triphenylphosphate | 83 | 1 | % | NA | NA | NA | 07/29/18 | 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.


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.

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Phyllis Shiller, Laboratory Director
July 30, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
July 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: SW  
Analyzed by: see "By" below  

Laboratory Data  
SDG ID: GCA97889  
Phoenix ID: CA97890

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<tr>
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<td>81</td>
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<td>NA</td>
<td>NA</td>
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<td>07/29/18</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>82</td>
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<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>92</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
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<td>MH</td>
<td>70 - 130 %</td>
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AL = Action Level  MCL = Maximum Contaminant Level  MCLG = Maximum Contaminant Level Goal

Secondary DW Maximum Contaminant Level Goal (MCLG): 

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
July 30, 2018

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: SW
Analyzed by: see "By" below

Analysis Report
July 30, 2018

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

Laboratory Data
SDG ID: GCA97889
Phoenix ID: CA97891

Parameter Result

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<td>NA</td>
<td>NA</td>
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<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>81</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>84</td>
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<td>%</td>
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<td>NA</td>
<td></td>
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July 30, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report  
July 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:  SW  
Analyzed by:  see "By" below  

Laboratory Data  
SDG ID: GCA97889  
Phoenix ID: CA97892

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Semivolatile Organic

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QA/QC Surrogates

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<th>Date/Time</th>
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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>82</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td>07/29/18</td>
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<td>70 - 130 %</td>
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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.

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July 30, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
July 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: SW
- Analyzed by: see "By" below

Date Time
07/25/18 8:25
07/25/18 16:04

Laboratory Data
- SDG ID: GCA97889
- Phoenix ID: CA97893

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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>78</td>
<td>1</td>
<td>%</td>
<td>NA</td>
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<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>84</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
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<td>% Triphenylphosphate</td>
<td>81</td>
<td>1</td>
<td>%</td>
<td>NA</td>
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**July 30, 2018**  
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Analysis Report
July 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: SW
Analyzed by: see "By" below

Laboratory Data
SDG ID: GCA97889
Phoenix ID: CA97894

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<td>Fluridone</td>
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<td>07/29/18</td>
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QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene
77
1
% benzo(a)pyrene-d12
81
1
% Triphenylphosphate
84
1

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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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.

Phyllis Shiller, Laboratory Director

July 30, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
July 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: SW
Analyzed by: see "By" below

Laboratory Data
SDG ID: GCA97889
Phoenix ID: CA97895

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<th>MCLG</th>
<th>Date/Time</th>
<th>By</th>
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<td>W/W E525.3</td>
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<td>Fluridone</td>
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<td>0.29</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>
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<td></td>
<td>07/29/18</td>
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<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>77</td>
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<td>%</td>
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<td>NA</td>
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<td>MH</td>
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</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>85</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
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
July 30, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President
For: Attn: Mr. Chris Doyle
Solitude Lake Management
310 East Washington Ave
Washington NJ 07882

Analysis Report
July 30, 2018

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

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

Laboratory Data
SDG ID: GCA97889
Phoenix ID: CA97896

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<td>E525.3</td>
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Semivolatile Organic

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<td>Fluridone</td>
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<td>0.29</td>
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<td></td>
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<td>07/29/18</td>
<td>MH</td>
<td>E525.3</td>
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<th></th>
<th></th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>74</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>75</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>79</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
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
July 30, 2018

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

**July 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:** SW  
- **Analyzed by:** see “By” below

### Laboratory Data

**SDG ID:** GCA97889  
**Phoenix ID:** CA97897

#### Parameter Results

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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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</thead>
<tbody>
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<td>Extraction for 525.3</td>
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<td></td>
<td></td>
<td></td>
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<td>07/26/18</td>
<td>W/W</td>
<td>E525.3</td>
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<tr>
<td><strong>Semivolatile Organic</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Fluridone</td>
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<td>1</td>
<td>ug/L</td>
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<td>07/29/18</td>
<td>MH</td>
<td>E525.3 1</td>
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<tr>
<td><strong>QA/QC Surrogates</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>71</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>benzo(a)pyrene-d12</td>
<td>74</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>Triphenylphosphate</td>
<td>75</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>07/29/18</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>Parameter</td>
<td>Result</td>
<td>PQL</td>
<td>DIL</td>
<td>Units</td>
<td>AL</td>
<td>MCL</td>
<td>MCLG</td>
<td>Date/Time</td>
<td>By</td>
<td>Reference</td>
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</tr>
</tbody>
</table>

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  
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**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.

**Action Level (AL)** (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

**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  
July 30, 2018  
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: 07/25/18 9:45
Received by: SW 07/25/18 16:04
Analyzed by: see "By" below

Laboratory Data
SDG ID: GCA97889
Phoenix ID: CA97898

Parameter | Result | Date/Time | By | Reference
--- | --- | --- | --- | ---
Extraction for 525.3 | Completed | 07/26/18 | W/W | E525.3

Semivolatile Organic
Fluridone | ND | 07/29/18 | MH | E525.3 | 1

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 77 | 07/29/18 | MH | 70 - 130 %
% benzo(a)pyrene-d12 | 80 | 07/29/18 | MH | 70 - 130 %
% Triphenylphosphate | 85 | 07/29/18 | MH | 70 - 130 %
### Parameter Result

<table>
<thead>
<tr>
<th>Parameter</th>
<th>RL/PQL</th>
<th>DIL</th>
<th>Units</th>
<th>AL</th>
<th>MCL</th>
<th>MCLG</th>
<th>Date/Time</th>
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</thead>
</table>

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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  
July 30, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President
**QA/QC Report**

**July 30, 2018**

**QA/QC Data**

**SDG I.D.: GCA97889**

<table>
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<tr>
<th>Parameter</th>
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<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 440470 (μg/L), QC Sample No: CA97889 (CA97889, CA97890, CA97891, CA97892, CA97893, CA97894, CA97895, CA97896, CA97897, CA97898)</td>
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<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
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<td>Fluridone</td>
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<td>86</td>
<td>98</td>
<td>90</td>
<td>8.5</td>
<td>70 - 130</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>70</td>
<td>%</td>
<td>82</td>
<td>83</td>
<td>80</td>
<td>3.7</td>
<td>70 - 130</td>
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<td>% benzo(a)pyrene-d12</td>
<td>72</td>
<td>%</td>
<td>87</td>
<td>86</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>72</td>
<td>%</td>
<td>87</td>
<td>89</td>
<td>86</td>
<td>3.4</td>
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<tr>
<td>Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.</td>
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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

**July 30, 2018**
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.
Analysis Comments
July 30, 2018

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 3.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)
## NY/NJ Chain of Custody Record

**Company:** Phoenix Environmental Laboratories, Inc.  
**Address:** 587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
**Email:** info@phoenixlabs.com  
**Fax:** (860) 645-8223  
**Client Services:** (860) 645-8126

### Customer Information
- **Name:** Solitude Life Management  
- **Address:** 30 E. Washington Ave, Washington, NJ 07882

### Project Information
- **Project:** Croton River  
- **Report to:** Chris Day  
- **Invoice to:** Ahi: Krista

### Test Details
#### Matrix Code:
- DW = Drinking Water  
- GW = Ground Water  
- SW = Surface Water  
- WW = Waste Water  
- RW = Raw Water  
- SE = Sediment  
- SL = Sludge  
- S = Soil  
- SD = Solids  
- W = Wipe

### Sample Information

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### Special Requirements
- **State:** NY

### Data Package
- TOGS GW  
- CP-31 SOIL  
- 3755CO  
- 3755CO Restricted  
- 3755CO Commercial  
- 3755CO Industrial  
- Subspan 5 DW

### Analysis Request
- **Sample Information:**
  - [Signature]

### Method Code:
- [Method Code]

### Summary
- The document is a chain of custody record for environmental samples taken by Phoenix Environmental Laboratories. It includes details of the samples collected, the matrix codes, and the analysis requested. The customer and project details are also provided, along with special requirements and analysis methods.