Monday, November 27, 2017

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

Project ID: CROTON RIVER
Sample ID#s: BZ44315 - BZ44322

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
November 27, 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: GBZ44315
Phoenix ID: BZ44315

Project ID: CROTON RIVER
Client ID: FW1A

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

Semivolatile Organic
Fluridone | 0.43 | 0.29 | 1 | ug/L | | | | | H/H | E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 86 | 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 | 96 | 1 | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 %
<table>
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<th>Parameter</th>
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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 27, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 27, 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: 11/19/17 8:00
Received by: LB 11/19/17 11:00
Analyzed by: see “By” below

Laboratory Data

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<tr>
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<tr>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>83</td>
<td>1</td>
<td>%</td>
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<td>NA</td>
<td>NA</td>
<td></td>
<td>11/22/17</td>
<td>MH 70 - 130 %</td>
<td></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>11/22/17</td>
<td>MH 70 - 130 %</td>
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</tr>
<tr>
<td>% Triphenylphosphate</td>
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<td>NA</td>
<td></td>
<td>11/22/17</td>
<td>MH 70 - 130 %</td>
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Phyllis Shiller, Laboratory Director
November 27, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
**Analysis Report**  
November 27, 2017

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

<table>
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<th>Custody Information</th>
<th>Date</th>
<th>Time</th>
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**Laboratory Data**

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**Semivolatile Organic**

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**QA/QC Surrogates**

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<th>Units</th>
<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>83</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>11/22/17</td>
<td>MH</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>96</td>
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<td>%</td>
<td>NA</td>
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<td>MH</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>11/22/17</td>
<td>MH</td>
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Phyllis Shiller, Laboratory Director
November 27, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
**Analysis Report**  
November 27, 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:** 11/19/17  
- **Time:** 8:05  
- **Date:** 11/19/17  
- **Time:** 11:00

Laboratory Data
- **SDG ID:** GBZ44315  
- **Phoenix ID:** BZ44318

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<tr>
<td><strong>Semivolatile Organic</strong></td>
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<tr>
<td>Fluridone</td>
<td>0.93</td>
<td>0.29</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>%</td>
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<td>11/22/17</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>99</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td></td>
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<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>93</td>
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<td>%</td>
<td>NA</td>
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<td></td>
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Client ID: DW1B

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Analysis Report
November 27, 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: GBZ44315
Phoenix ID: BZ44319

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Semivolatile Organic

Fluridone
0.32 0.29 1 ug/L 11/22/17 MH E525.3 1

QA/QC Surrogates

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<td>MH</td>
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<tr>
<td>benzo(a)pyrene-d12</td>
<td>101</td>
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<td>%</td>
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<td>11/22/17</td>
<td>MH</td>
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<tr>
<td>Triphenylphosphate</td>
<td>95</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
Phyllis Shiller, Laboratory Director
November 27, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102            Fax (860) 645-0823

Analysis Report
November 27, 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: see "By" below
Received by: LB
Analyzed by: 11/19/17 11:00

Laboratory Data
SDG ID: GBZ44315
Phoenix ID: BZ44320

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<td>Fluridone</td>
<td>0.32</td>
<td>0.29</td>
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<td>ug/L</td>
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<td>MH</td>
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<tr>
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<td>NA</td>
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<td>11/22/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>%</td>
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<td>11/22/17</td>
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<td>11/22/17</td>
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**Project ID:** CROTON RIVER  
**Client ID:** DW3B

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

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  
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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.

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.  
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director  
November 27, 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: LB
Analyzed by: see "By" below

Laboratory Data

SDG ID: GBZ44315
Phoenix ID: BZ44321

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

Semivolatile Organic

Fluridone | 0.34 | 0.29 | 1 | ug/L | | | | | |
QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 74 | | | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 % |
% benzo(a)pyrene-d12 | 89 | | | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 % |
% Triphenylphosphate | 85 | | | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 % |
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</th>
<th>PQL</th>
<th>DIL</th>
<th>Units</th>
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Phyllis Shiller, Laboratory Director  
November 27, 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: LB
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ44315
Phoenix ID: BZ44322

Parameter | Result | RL/ PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By | Reference
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Extraction for 525.3 | Completed | | | | | | | 11/22/17 | H/H | E525.3

Semivolatile Organic
Fluridone | 0.38 | 0.29 | 1 | ug/L | | | | 11/22/17 | MH | E525.3

QA/QC Surrogates
1,3-Dimethyl-2-nitrobenzene | 80 | 1 | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 %
benzo(a)pyrene-d12 | 93 | 1 | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 %
Triphenylphosphate | 88 | 1 | % | NA | NA | NA | 11/22/17 | MH | 70 - 130 %
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Result</th>
<th>PQL</th>
<th>DIL</th>
<th>Units</th>
<th>AL</th>
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Phyllis Shiller, Laboratory Director
November 27, 2017

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

**November 27, 2017**

#### QA/QC Data

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<tr>
<th>Parameter</th>
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<th>LCSD</th>
<th>LCS</th>
<th>MS</th>
<th>MSD</th>
<th>MS%</th>
<th>MS%</th>
<th>% Rec</th>
<th>% RPD Limits</th>
<th>% RPD Limits</th>
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<tbody>
<tr>
<td>QA/QC Batch 410489 (ug/L), QC Sample No: BZ43797 (BZ44315, BZ44316, BZ44317, BZ44318, BZ44319)</td>
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</tr>
<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
<td></td>
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<tr>
<td>Fluridone</td>
<td>ND</td>
<td>107</td>
<td>117</td>
<td>113</td>
<td>3.5</td>
<td>70 - 130</td>
<td>20</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>78</td>
<td>88</td>
<td>86</td>
<td>90</td>
<td>4.5</td>
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<td>% benzo(a)pyrene-d12</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>86</td>
<td>99</td>
<td>97</td>
<td>96</td>
<td>1.0</td>
<td>70 - 130</td>
<td>20</td>
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<tr>
<td><strong>Comment:</strong> Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.</td>
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<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
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<tr>
<td>Fluridone</td>
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<td>80</td>
<td>89</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>84</td>
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<td>% benzo(a)pyrene-d12</td>
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<td>% Triphenylphosphate</td>
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<td>82</td>
<td>92</td>
<td>11.5</td>
<td>70 - 130</td>
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<tr>
<td><strong>Comment:</strong> Tap water, collected and dechlorinated in sample containers, was used as the MS and MSD.</td>
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</tbody>
</table>

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

**RDP** - 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 27, 2017*
Sample Criteria Exceedances Report
GBZ44315 - SOLITUDE

<table>
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<tr>
<th>SampNo</th>
<th>Acode</th>
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</tbody>
</table>

*** 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 2.4°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:** SLU  
**Address:** 310 East Washington Ave Suite C  
Washing ton NJ 07802

**Project:** Jackson River  
**Report to:** Chris Dale  
**Invoice to:** Krisa 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>
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<tbody>
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<td>FW 1 A</td>
<td>DW</td>
<td>11/16/17</td>
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<td>44316</td>
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<td>Dw 1 A</td>
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<td>44322</td>
<td>Dw 4 B</td>
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**Analysis Request**

**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**

**Sample #**

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<tr>
<th>Sample #</th>
<th>Identification</th>
<th>Sample Matrix</th>
<th>Date Sampled</th>
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</tbody>
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**Completed by:** [Signature]

**Date:** 11/19/17 09:00

**Incumbent:** [Signature]

**Date:** 11/19/17 11:00

**Comments, Special Requirements or Regulations:**

---

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

---

**Data Format**
- Phoenix Std Report
- Excel
- PDF
- GIS/Key
- Equil
- NJ Hazmat EDD
- NY EZ EDD (ASP)
- Other

---

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