Wednesday, October 18, 2017

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

Project ID: CROTON RIVER
Sample ID#s: BZ20793 - BZ20804

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 18, 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: GBZ20793
Phoenix ID: BZ20793

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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 18, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
### Analysis Report
October 18, 2017

**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:** GBZ20793
- **Phoenix ID:** BZ20794

#### Parameter Result

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

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RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
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Phyllis Shiller, Laboratory Director
October 18, 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:** GBZ20793
- **Phoenix ID:** BZ20795

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Analysis Report
October 18, 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: GBZ20793
Phoenix ID: BZ20796

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<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>1</td>
<td>%</td>
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<td>NA</td>
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<td>70 - 130 %</td>
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<tr>
<td>% Triphenylphosphate</td>
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<td></td>
<td>10/16/17</td>
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Ver 1
Comments:

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October 18, 2017
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Analysis Report
October 18, 2017

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Solitude Lake Management
310 East Washington Ave
Washington NJ 07882

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

Custody Information
Collected by: 10/13/17 12:30
Received by: LB 10/13/17 15:04
Analyzed by: see "By" below

Laboratory Data
SDG ID: GBZ20793
Phoenix ID: BZ20797

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<td>10/15/17</td>
<td>E/E</td>
<td>E525.3</td>
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</table>

Semivolatile Organic

Fluridone                    | 0.63   | 0.29  | 1   | ug/L |    |     |      | 10/16/17  | HM | E525.3   |

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene | 93    | 1     | %   | NA   | NA | NA  |      | 10/16/17  | HM | 70 - 130 % |
% benzo(a)pyrene-d12          | 98    | 1     | %   | NA   | NA | NA  |      | 10/16/17  | HM | 70 - 130 % |
% Triphenylphosphate          | 98    | 1     | %   | NA   | NA | NA  |      | 10/16/17  | HM | 70 - 130 % |
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Analysis Report  
October 18, 2017

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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: GBZ20793  
Phoenix ID: BZ20798

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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 Time
10/13/17 11:55
10/13/17 15:04

Laboratory Data
SDG ID: GBZ20793
Phoenix ID: BZ20799

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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>93</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>10/16/17</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>92</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>10/16/17</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>96</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>10/16/17</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
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</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.


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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 18, 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: GBZ20793
Phoenix ID: BZ20800

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<tr>
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<td>NA</td>
<td>NA</td>
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<td>10/17/17</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% benzo(a)pyrene-d12</td>
<td>88</td>
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<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/17/17</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
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<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/17/17</td>
<td>HM</td>
<td>70 - 130 %</td>
</tr>
</tbody>
</table>
Parameter | Result | PQL | DIL | Units | AL | MCL | MCLG | Date/Time | By | Reference
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---

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**Comments:**

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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**

**October 18, 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

Date       Time
10/13/17   11:00
10/13/17   15:04

Laboratory Data
SDG ID: GBZ20793
Phoenix ID: BZ20801

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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>% benzo(a)pyrene-d12</td>
<td>82</td>
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<td>%</td>
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<td>NA</td>
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<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>91</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>10/17/17</td>
<td>HM</td>
<td>70 - 130 %</td>
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</table>
### Comments:

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<th>Units</th>
<th>AL</th>
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<th>MCLG</th>
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Analysis Report  
October 18, 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  Time
10/13/17  11:05
10/13/17  15:04

Laboratory Data
SDG ID: GBZ20793
Phoenix ID: BZ20802

UNH1

Parameter Result

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<th>Date/Time</th>
<th>By</th>
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</table>

Semivolatile Organic

Fluridone 0.61 0.29 1 ug/L 10/17/17 HM E525.3

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene 92 1 % NA NA NA 10/17/17 HM 70 - 130 %
% benzo(a)pyrene-d12 87 1 % NA NA NA 10/17/17 HM 70 - 130 %
% Triphenylphosphate 98 1 % NA NA NA 10/17/17 HM 70 - 130 %
### 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 18, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
## Analysis Report
October 18, 2017

### 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:** GBZ20793
- **Client ID:** RFH1
- **Project ID:** CROTON RIVER

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

### Semivolatile Organic

#### Fluridone
- **Result:** 0.69
- **Units:** ug/L
- **Date/Time:** 10/17/17
- **By:** HM
- **Reference:** E525.3

#### QA/QC Surrogates

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<th>Date/Time</th>
<th>By</th>
<th>Reference</th>
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<tr>
<td>1,3-Dimethyl-2-nitrobenzene</td>
<td>88</td>
<td>%</td>
<td>10/17/17</td>
<td>HM</td>
<td>70 - 130 %</td>
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<tr>
<td>benzo(a)pyrene-d12</td>
<td>98</td>
<td>%</td>
<td>10/17/17</td>
<td>HM</td>
<td>70 - 130 %</td>
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<tr>
<td>Triphenylphosphate</td>
<td>99</td>
<td>%</td>
<td>10/17/17</td>
<td>HM</td>
<td>70 - 130 %</td>
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Ver 1
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Phyllis Shiller, Laboratory Director
October 18, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
October 18, 2017

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 Time
10/13/17 11:35
10/13/17 15:04

Laboratory Data
SDG ID: GBZ20793
Phoenix ID: BZ20804

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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>1</td>
<td>%</td>
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<td>NA</td>
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<td>HM</td>
<td>70 - 130 %</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>87</td>
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<td>%</td>
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<td>NA</td>
<td>10/17/17</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>96</td>
<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>10/17/17</td>
<td>HM</td>
<td>70 - 130 %</td>
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**Parameters**

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Phyllis Shiller, Laboratory Director  
October 18, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
<table>
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<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>91</td>
<td>98</td>
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<td>%</td>
<td>91</td>
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<td>97</td>
<td>1.0</td>
<td>70 - 130</td>
<td>20</td>
<td>s</td>
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<td>96</td>
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<td></td>
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<tr>
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<td>111</td>
<td>112</td>
<td>0.9</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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<tr>
<th>Parameter</th>
<th>Blank</th>
<th>Blk RL</th>
<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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<tr>
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<td>105</td>
<td>114</td>
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<td>84</td>
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<td>%</td>
<td>98</td>
<td>96</td>
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<td>3.1</td>
<td>70 - 130</td>
<td>20</td>
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s = This parameter is outside laboratory Blank Surrogate specified recovery limits.
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 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 18, 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 3.1°C.  
(Note acceptance criteria is above freezing up to 6°C)
## NY/NJ CHAIN OF CUSTODY RECORD

**Contact Options:**
- Fax: 908.560.0303
- Phone: 908.550.0303
- Email: cdoye@solitare.com

**Customer:** SLM
**Address:** 310 East Washington Ave Site C
Washington NJ 07880

**Project:** Croton River
**Report to:** Chris Doyle
**Invoice to:** Kristen M

### Client Sample - Information - Identification

**Sampler's Signature:**

**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**

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<tr>
<th>Sample #</th>
<th>Customer Sample Identification</th>
<th>Matrix</th>
<th>Date Sampled</th>
<th>Time Sampled</th>
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**Relinquished by:** SLM
**Accepted by:**

**Date:** 1/3/17 12:53
**Time:** 10:13 17 15:04

### Comments, Special Requirements or Regulations:

---

**Data Format:**
- Phoenix Std Report
- Excel
- PDF
- GIS/Key
- EquiS
- NJ Hazsite EDD
- NY EZ EDD (ASP)

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

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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
- 375SCO Residential Soil
- 375SCO Residential
- 375SCO Commercial Soil
- 375SCC Industrial Soil
- Subpart 5 DW
**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:** SLK  
**Address:** 310 East Washington Ave Suite  
Washington NJ 07882  
**Project:** Croton River  
**Report to:** Chris Doyle  
**Invoice to:** Krista M  

**Client Sample - Information - Identification**

<table>
<thead>
<tr>
<th>Sample's Signature</th>
<th>Date</th>
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</table>

**Matrix Code:**  
DW = Drinking Water  
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SL = Sludge  
S = Soil  
SD = Solid  
W = Wipe  
OIL = Oil  
B = Bulk  
L = Liquid  

**PHOENIX USE ONLY**  
**SAMPLE #**  
**Sample Identification**  
**Sample Matrix**  
**Date Sampled**  
**Time Sampled**  

| 20804 | HWI | DW | 10/17/11 11:35 | X |

**Relinquished by:**  
**Accepted by:**  
**Date:** 10/17/11  
**Time:** 15:04

**Comments, Special Requirements or Regulations:**

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<tr>
<td>2 Days*</td>
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<td>10 Days</td>
<td>GW Criteria</td>
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**NY:**  
| 375SCO Residential Soil |
| 375SCO Residential |
| 375SCO Commercial Soil |
| 375SCO Industrial Soil |
| Subpart 5 DW |

**Data Format:**  
| Phoenix Std Report |
| Excel |
| PDF |
| GIS/Key |
| EquiS |
| NJ Hazsite EDD |
| NY EZ EDD (ASP) |
| Other |

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

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This section MUST be completed with Bottle Quantities.