Wednesday, November 29, 2017

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

Project ID:  CROTON RIVER
Sample ID#s: BZ46431 - BZ46438

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  
November 29, 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: GBZ46431
- Phoenix ID: BZ46431

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</tbody>
</table>

Semivolatile Organic

Fluridone
- Result: 0.47
- DIL: 0.29
- Units: ug/L
- Date/Time: 11/28/17
- By: MH
- Reference: E525.3

QA/QC Surrogates

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<td>%</td>
<td>11/28/17</td>
<td>MH</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>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>Triphenylphosphate</td>
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<td>1</td>
<td>%</td>
<td>11/28/17</td>
<td>MH</td>
<td>70 - 130 %</td>
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</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.


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---

Ver 1
### Analysis Report

**November 29, 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:** GBZ46431  
- **Phoenix ID:** BZ46432

### Parameter Results

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<td>H/H</td>
<td>E525.3</td>
</tr>
</tbody>
</table>

### Semivolatile Organic

**Fluridone**  
0.43  
0.29  
Dil 1  
ug/L  
11/28/17  
MH  
E525.3

#### QA/QC Surrogates

- **% 1,3-Dimethyl-2-nitrobenzene**  
  81  
  1  
  %  
  NA  
  NA  
  11/28/17  
  MH  
  70 - 130 %

- **% benzo(a)pyrene-d12**  
  93  
  1  
  %  
  NA  
  NA  
  11/28/17  
  MH  
  70 - 130 %

- **% Triphenylphosphate**  
  87  
  1  
  %  
  NA  
  NA  
  11/28/17  
  MH  
  70 - 130 %

---

Ver 1
### Comments:

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Phyllis Shiller, Laboratory Director

November 29, 2017

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

**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:** 11/23/17  
- **Time:** 6:00
- **Date:** 11/25/17  
- **Time:** 11:39

### Laboratory Data
- **SDG ID:** GBZ46431  
- **Phoenix ID:** BZ46433

### Laboratory Data

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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>1</td>
<td>%</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td>11/28/17</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>
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<td>11/28/17</td>
<td>MH</td>
<td>70 - 130 %</td>
</tr>
<tr>
<td>% Triphenylphosphate</td>
<td>91</td>
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<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>11/28/17</td>
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<td>70 - 130 %</td>
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### Parameter Result

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</table>

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**Phyllis Shiller, Laboratory Director**

November 29, 2017

Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 29, 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: GBZ46431
Phoenix ID: BZ46434

Parameter Result

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<td>H/H</td>
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</table>

Semivolatile Organic

Fluridone
0.81 ug/L 11/28/17 MH E525.3

% 1,3-Dimethyl-2-nitrobenzene 75 1 % NA NA NA 11/28/17 MH 70 - 130 %
% benzo(a)pyrene-d12 91 1 % NA NA NA 11/28/17 MH 70 - 130 %
% Triphenylphosphate 89 1 % NA NA NA 11/28/17 MH 70 - 130 %

Ver 1
<table>
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<tr>
<th>Parameter</th>
<th>Result</th>
<th>PQL</th>
<th>DIL</th>
<th>Units</th>
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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  
November 29, 2017  
Reviewed and Released by: Bobbi Aloisa, Vice President
## Analysis Report
November 29, 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:** 11/23/17  
- **Time:** 6:25

### Laboratory Data
- **SDG ID:** GBZ46431  
- **Phoenix ID:** BZ46435

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

### Semivolatile Organic

**Fluridone**
- Result: 0.38 ug/L  
- Date/Time: 11/28/17  
- By: MH  
- Reference: E525.3

**QA/QC Surrogates**
- % 1,3-Dimethyl-2-nitrobenzene: 80  
  - Date/Time: 11/28/17  
  - By: MH  
  - Reference: 70 - 130 %
- % benzo(a)pyrene-d12: 92  
  - Date/Time: 11/28/17  
  - By: MH  
  - Reference: 70 - 130 %
- % Triphenylphosphate: 86  
  - Date/Time: 11/28/17  
  - By: MH  
  - Reference: 70 - 130 %
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<th>Units</th>
<th>AL</th>
<th>MCL</th>
<th>MCLG Date/Time</th>
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November 29, 2017  
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Analysis Report
November 29, 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: GBZ46431
Phoenix ID: BZ46436

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<td>11/27/17</td>
<td>H/H</td>
<td>E525.3</td>
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Semivolatile Organic

Fluridone                        | 0.40    | 0.29    | 1   | ug/L  |    |     |      | 11/28/17  | MH  | E525.3    |

QA/QC Surrogates

% 1,3-Dimethyl-2-nitrobenzene     | 86      | 1       | %   | NA    | NA | NA  |      | 11/28/17  | MH  | 70 - 130 %|
% benzo(a)pyrene-d12              | 102     | 1       | %   | NA    | NA | NA  |      | 11/28/17  | MH  | 70 - 130 %|
% Triphenylphosphate              | 92      | 1       | %   | NA    | NA | NA  |      | 11/28/17  | MH  | 70 - 130 %|
<table>
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<th>DIL</th>
<th>Units</th>
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Phyllis Shiller, Laboratory Director  
November 29, 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: GBZ46431
Phoenix ID: BZ46437

Parameter Result
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<td>QA/QC Surrogates</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
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<td>%</td>
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<td>11/28/17</td>
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<td>70 - 130 %</td>
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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
November 29, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
Analysis Report
November 29, 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: GBZ46431
Phoenix ID: BZ46438

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

Semivolatile Organic
Fluridone | 0.46 | 0.29 | 1 | ug/L | | | | 11/28/17 | MH E525.3

QA/QC Surrogates
% 1,3-Dimethyl-2-nitrobenzene | 82 | 1 | % | NA | NA | NA | 11/28/17 | MH 70 - 130 %
% benzo(a)pyrene-d12 | 93 | 1 | % | NA | NA | NA | 11/28/17 | MH 70 - 130 %
% Triphenylphosphate | 86 | 1 | % | NA | NA | NA | 11/28/17 | MH 70 - 130 %

Ver 1
<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 Date/Time</th>
<th>By Reference</th>
</tr>
</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
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.

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Phyllis Shiller, Laboratory Director
November 29, 2017
Reviewed and Released by: Bobbi Aloisa, Vice President
### QA/QC Data

#### SDG I.D.: GBZ46431

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<thead>
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<th>Parameter</th>
<th>Blank RL</th>
<th>LCS %</th>
<th>LCS %</th>
<th>LCS %</th>
<th>MS %</th>
<th>MS %</th>
<th>MS %</th>
<th>MS %</th>
<th>% Rec Limits</th>
<th>% RPD Limits</th>
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<tbody>
<tr>
<td>QA/QC Batch 410813 (ug/L), QC Sample No: BZ45322 (BZ46431, BZ46432, BZ46435, BZ46436, BZ46437, BZ46438)</td>
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<tr>
<td><strong>Semivolatile Organic Compounds - Drinking Water</strong></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Fluridone</td>
<td>ND 0.30</td>
<td>84</td>
<td>99</td>
<td>107</td>
<td>7.8</td>
<td>70 - 130</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>81 %</td>
<td>74</td>
<td>81</td>
<td>87</td>
<td>7.1</td>
<td>70 - 130</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
<td>82 %</td>
<td>78</td>
<td>88</td>
<td>100</td>
<td>12.8</td>
<td>70 - 130</td>
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<tr>
<td>% Triphenylphosphate</td>
<td>91 %</td>
<td>84</td>
<td>91</td>
<td>99</td>
<td>8.4</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>QA/QC Batch 410920 (ug/L), QC Sample No: BZ46434 (BZ46433, BZ46434)</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>84</td>
<td>90</td>
<td>6.9</td>
<td>70 - 130</td>
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<tr>
<td>% 1,3-Dimethyl-2-nitrobenzene</td>
<td>77 %</td>
<td>77</td>
<td>81</td>
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<td>3.8</td>
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<tr>
<td>% benzo(a)pyrene-d12</td>
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<td>89</td>
<td>90</td>
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<td>0.0</td>
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<tr>
<td>% Triphenylphosphate</td>
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<td>90</td>
<td>88</td>
<td>2.2</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.

**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  
November 29, 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
November 29, 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 2.4°C.
(Note acceptance criteria is above freezing up to 6°C)
# NY/NJ Chain of Custody Record

**Client Sample - Information - Identification**

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Customer Sample Identification</th>
<th>Sample Matrix</th>
<th>Date Sampled</th>
<th>Time Sampled</th>
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<tbody>
<tr>
<td>414131</td>
<td>FW1-A</td>
<td>D00</td>
<td>11/21/17</td>
<td>6:15 AM</td>
</tr>
<tr>
<td>414132</td>
<td>FW1-B</td>
<td>D00</td>
<td>11/21/17</td>
<td>6:15 AM</td>
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<tr>
<td>414133</td>
<td>D01-A</td>
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<td>X</td>
</tr>
<tr>
<td>414134</td>
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<td>1</td>
<td>6:15 AM</td>
<td>X</td>
</tr>
<tr>
<td>414135</td>
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<td>414137</td>
<td>D03-A</td>
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<td>414138</td>
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</table>

**Analysis Request**

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Item Requested</th>
<th>Date Received</th>
<th>Turnaround</th>
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<tbody>
<tr>
<td>414131</td>
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<td>414138</td>
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</tbody>
</table>

**Comments, Special Requirements or Regulations:**

- Reded 1040B labeled D01 A @ 6:00 AM. Did not reded 1040B labeled D01-B @ 6:00 AM. Emailed Chris Doyle. (B)
message immediately. Thank you.

error. Please notify the sender immediately by e-mail or telephone, and delete the original

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is addressed and may contain information that is privileged, confidential, and

Chels,

Hi,

6:00 AM. I did not receive anything labeled DWI-I & DWI-II. Please let me know how we should proceed.

For the samples received today, those were collected on 11/23 we received 4 amber bottles labeled DW-A & @

Sent:

From: