On July 29, 2019, samples of the City of Houston drinking water supply were collected from each of the three locations identified below located within the Union Pacific Railroad (UPRR) site groundwater plume. Figure 1 depicts the physical locations of each sample. No chemicals of concern were detected in the samples. These results verify that the City of Houston’s drinking water supply is safe and unaffected by the contamination.
August 13, 2019

SHUBHA THAKUR  
CITY OF HOUSTON  
4200 LEELAND STREET  
Houston, TX  77023  
Shubha.Thakur@houstontx.gov

RE:  Final Analytical Report     Q1948235

Attn: SHUBHA THAKUR
Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022. We look forward to assisting you again.

Authorized for release by:

Ariana Dean  
Account Manager  
ariana.dean@lcra.org

Enclosures:
### Sample Summary

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Sample ID</th>
<th>Matrix</th>
<th>Method</th>
<th>Date Collected</th>
<th>Date Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1948235001</td>
<td>FH 714978 2820 CLEMENTINE</td>
<td>DW</td>
<td>E525.2 Pesticides by GC/MS</td>
<td>7/29/2019 10:00</td>
<td>7/30/2019 08:00</td>
</tr>
<tr>
<td>Q1948235002</td>
<td>FH 715027 5217 LIBERTY RD</td>
<td>DW</td>
<td>E525.2 Pesticides by GC/MS</td>
<td>7/29/2019 08:55</td>
<td>7/30/2019 08:00</td>
</tr>
<tr>
<td>Q1948235003</td>
<td>FH 7499156 2803 KASHMERE</td>
<td>DW</td>
<td>E525.2 Pesticides by GC/MS</td>
<td>7/29/2019 09:35</td>
<td>7/30/2019 08:00</td>
</tr>
</tbody>
</table>

### Report Definitions

- **MRL** - Minimum Reporting Limit
- **LOD** - Limit of Detection
- **ML** - Maximum Limit - Client Specified
- **MCL** - Maximum Contaminant Level
- **MDL** - Method Detection Limit
- **LOQ** - Limit of Quantitation - Client Specified
- **DF** - Dilution Factor
- **Qual** - Qualifier
- **(S)** - Surrogate Spike
- **QC Qual** - red font indicates Result Value outside acceptable range
- **B** - Analyte detected in method blank
- **S** - Spike recovery outside limit
- **R** - RPD outside duplicate precision limit
- **J** - Analyte detected below quantitation limit
- **RPD** - Relative Percent Difference
## Project Summary

### Sample Analysis Comments

<table>
<thead>
<tr>
<th>Lab ID: Q1948235001</th>
<th>Sample ID: FH 714978 2820</th>
<th>CLEMENTINE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Accredited - Aldrin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Bromacil</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Butachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Dieldrin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Metolachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Metribuzin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Propachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - alpha-Chlordane</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - gamma-Chlordane</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - trans-Nonachlor-chlordane</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: Q1948235002</th>
<th>Sample ID: FH 715027 5217</th>
<th>LIBERTY RD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Accredited - Aldrin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Bromacil</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Butachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Dieldrin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Metolachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Metribuzin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Propachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - alpha-Chlordane</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - gamma-Chlordane</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - trans-Nonachlor-chlordane</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID: Q1948235003</th>
<th>Sample ID: FH 7499156 2803</th>
<th>KASHMERE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Accredited - Aldrin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Bromacil</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Butachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Dieldrin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Metolachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Metribuzin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - Propachlor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - alpha-Chlordane</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - gamma-Chlordane</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Accredited - trans-Nonachlor-chlordane</td>
<td></td>
</tr>
</tbody>
</table>
### Analytical Results

**Lab ID:** Q1948235001  
**Date Received:** 7/30/2019 08:00  
**Matrix:** Drinking Water

**Sample ID:** FH 714978 2820 CLEMENTINE  
**Date Collected:** 7/29/2019 10:00  
**Sample Type:** SAMPLE

**Project ID:** CO HOUSTON NON-REGULATORY

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Results</th>
<th>Units</th>
<th>MRL</th>
<th>LOD</th>
<th>DF</th>
<th>Prepared</th>
<th>By</th>
<th>Analyzed</th>
<th>By Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E525.2 PAHs (E525.2 Pesticides by GC/MS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>&lt;0.10 ug/L</td>
<td></td>
<td>0.10</td>
<td>0.02</td>
<td>0.2</td>
<td>1 08/07/19 11:22</td>
<td>MO 08/07/19 23:54</td>
<td>BC</td>
<td></td>
</tr>
</tbody>
</table>

| **E525.2 Pesticides (E525.2 Pesticides by GC/MS)** |         |       |     |     |        |          |      |          |         |
| trans-Nonachlor-chlordane     | <0.1 ug/L |       | 0.1 | 0.05 | 2     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Alachlor                      | <0.1 ug/L |       | 0.1 | 0.05 | 2     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Aldrin                        | <0.1 ug/L |       | 0.1 | 0.05 | 2     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| alpha-Chlordane               | <0.1 ug/L |       | 0.1 | 0.05 | 2     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Atrazine                      | 0.2 ug/L  |       | 0.1 | 0.05 | 3     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Bromacil                      | <0.1 ug/L |       | 0.1 | 0.05 | 1     | 08/07/19 11:22  | MO 08/07/19 23:54 | BC *
| Butachlor                     | <0.1 ug/L |       | 0.1 | 0.05 | 1     | 08/07/19 11:22  | MO 08/07/19 23:54 | BC *
| Dieldrin                      | <0.1 ug/L |       | 0.1 | 0.05 | 1     | 08/07/19 11:22  | MO 08/07/19 23:54 | BC *
| Endrin                        | <0.10 ug/L |     | 0.10 | 0.01 | 2     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| gamma-BHC (Lindane)           | <0.10 ug/L |     | 0.10 | 0.02 | 0.2   | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| gamma-Chlordane               | <0.1 ug/L |       | 0.1 | 0.05 | 2     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC *
| Heptachlor                    | <0.10 ug/L |     | 0.10 | 0.03 | 0.4   | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Heptachlor epoxide            | <0.10 ug/L |     | 0.10 | 0.02 | 0.2   | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Hexachlorobenzene             | <0.1 ug/L |       | 0.1 | 0.05 | 1     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Hexachlorocyclopentadiene     | <0.1 ug/L |       | 0.1 | 0.05 | 50    | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Methoxychlor                  | <0.1 ug/L |       | 0.1 | 0.05 | 40    | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Metolachlor                   | <0.1 ug/L |       | 0.1 | 0.05 | 1     | 08/07/19 11:22  | MO 08/07/19 23:54 | BC |
| Metribuzin                    | <0.1 ug/L |       | 0.1 | 0.05 | 1     | 08/07/19 11:22  | MO 08/07/19 23:54 | BC *
| Propachlor                    | <0.1 ug/L |       | 0.1 | 0.05 | 1     | 08/07/19 11:22  | MO 08/07/19 23:54 | BC *
| Simazine                      | <0.10 ug/L |     | 0.10 | 0.06 | 4     | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |

| **E525.2 Phthalates (E525.2 Pesticides by GC/MS)** |         |       |     |     |        |          |      |          |         |
| Bis(2-ethylhexyl)adipate      | <0.5 ug/L |       | 0.5 | 0.20 | 400    | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
| Bis(2-Ethylhexyl)phthalate    | <0.5 ug/L |       | 0.5 | 0.20 | 6      | 1 08/07/19 11:22 | MO 08/07/19 23:54 | BC |
### Analytical Results (cont.)

**Lab ID:** Q1948235002  
**Date Received:** 7/30/2019 08:00  
**Matrix:** Drinking Water

**Sample ID:** FH 715027 5217 LIBERTY RD  
**Date Collected:** 7/29/2019 08:55  
**Sample Type:** SAMPLE

**Project ID:** CO HOUSTON NON-REGULATORY

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Results</th>
<th>Units</th>
<th>MRL</th>
<th>LOD</th>
<th>DF</th>
<th>Prepared</th>
<th>By</th>
<th>Analyzed</th>
<th>Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E525.2 PAHs (E525.2 Pesticides by GC/MS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>&lt;0.10 ug/L</td>
<td></td>
<td>0.10</td>
<td>0.02</td>
<td>0.2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td><strong>E525.2 Pesticides (E525.2 Pesticides by GC/MS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>trans-Nonachlor-chlordane</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Alachlor</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Aldrin</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>alpha-Chlordan e</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Atrazine</td>
<td>0.2 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>3</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Bromacil</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Butachlor</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Dieldrin</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Endrin</td>
<td>&lt;0.10 ug/L</td>
<td></td>
<td>0.10</td>
<td>0.01</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>gamma-BHC (Lindane)</td>
<td>&lt;0.10 ug/L</td>
<td></td>
<td>0.10</td>
<td>0.02</td>
<td>0.2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>gamma-Chlordane</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Heptachlor</td>
<td>&lt;0.10 ug/L</td>
<td></td>
<td>0.10</td>
<td>0.03</td>
<td>0.4</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Heptachlor epoxide</td>
<td>&lt;0.10 ug/L</td>
<td></td>
<td>0.10</td>
<td>0.02</td>
<td>0.2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>1</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Hexachlorocyclopentadiene</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>50</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Methoxychlor</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>40</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Metolachlor</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Metribuzin</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Propachlor</td>
<td>&lt;0.1 ug/L</td>
<td></td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Simazine</td>
<td>&lt;0.10 ug/L</td>
<td></td>
<td>0.10</td>
<td>0.06</td>
<td>4</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
</tbody>
</table>

### E525.2 Phthalates (E525.2 Pesticides by GC/MS)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Results</th>
<th>Units</th>
<th>MRL</th>
<th>LOD</th>
<th>DF</th>
<th>Prepared</th>
<th>By</th>
<th>Analyzed</th>
<th>Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bis(2-ethylhexyl)adipate</td>
<td>&lt;0.5 ug/L</td>
<td></td>
<td>0.5</td>
<td>0.20</td>
<td>400</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl)phthalate</td>
<td>&lt;0.5 ug/L</td>
<td></td>
<td>0.5</td>
<td>0.20</td>
<td>6</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:22</td>
</tr>
</tbody>
</table>
**Analytical Results (cont.)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Results</th>
<th>Units</th>
<th>MRL</th>
<th>LOD</th>
<th>DF</th>
<th>Prepared</th>
<th>By</th>
<th>Analyzed</th>
<th>Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E525.2 PAHs  (E525.2 Pesticides by GC/MS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>&lt;0.10 ug/L</td>
<td>0.10</td>
<td>0.02</td>
<td>0.2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td><strong>E525.2 Pesticides  (E525.2 Pesticides by GC/MS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>trans-Nonachlor-chlordane</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
</tr>
<tr>
<td>Alachlor</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
</tr>
<tr>
<td>Aldrin</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
</tr>
<tr>
<td>alpha-Chlordane</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
</tr>
<tr>
<td>Atrazine</td>
<td>0.2 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>3</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>Bromacil</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
<td></td>
</tr>
<tr>
<td>Butachlor</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
<td></td>
</tr>
<tr>
<td>Dieldrin</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
<td></td>
</tr>
<tr>
<td>Endrin</td>
<td>&lt;0.10 ug/L</td>
<td>0.10</td>
<td>0.01</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>gamma-BHC (Lindane)</td>
<td>&lt;0.10 ug/L</td>
<td>0.10</td>
<td>0.02</td>
<td>0.2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>gamma-Chlordane</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
</tr>
<tr>
<td>Heptachlor</td>
<td>&lt;0.10 ug/L</td>
<td>0.10</td>
<td>0.03</td>
<td>0.4</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>Heptachlor epoxide</td>
<td>&lt;0.10 ug/L</td>
<td>0.10</td>
<td>0.02</td>
<td>0.2</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>1</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>Hexachlorocyclopentadiene</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>50</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>Methoxychlor</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>40</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>Metolachlor</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
<td></td>
</tr>
<tr>
<td>Metribuzin</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
<td></td>
</tr>
<tr>
<td>Propachlor</td>
<td>&lt;0.1 ug/L</td>
<td>0.1</td>
<td>0.05</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC *</td>
<td></td>
</tr>
<tr>
<td>Simazine</td>
<td>&lt;0.10 ug/L</td>
<td>0.10</td>
<td>0.06</td>
<td>4</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td><strong>E525.2 Phthalates  (E525.2 Pesticides by GC/MS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bis(2-ethylhexyl)adipate</td>
<td>&lt;0.5 ug/L</td>
<td>0.5</td>
<td>0.20</td>
<td>400</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl)phthalate</td>
<td>&lt;0.5 ug/L</td>
<td>0.5</td>
<td>0.20</td>
<td>6</td>
<td>1</td>
<td>08/07/19 11:22</td>
<td>MO</td>
<td>08/08/19 00:50</td>
<td>BC</td>
</tr>
</tbody>
</table>
### Quality Control

**Preparation Batch:** ORG / 8434  
**Analysis Method:** E525.2 Pesticides by GC/MS  
**Preparation Method:** E525.2 Pesticides by GC/MS  
**Associated Lab IDs:**

#### Method Reporting Limit Check (1304013)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spiked Amount</th>
<th>Spike Result</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-Nonachlor-chlordane</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Alachlor</td>
<td>ug/L</td>
<td>100</td>
<td>70</td>
<td>70</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Aldrin</td>
<td>ug/L</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>50 - 150</td>
</tr>
<tr>
<td>alpha-Chlordane</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Atrazine</td>
<td>ug/L</td>
<td>100</td>
<td>70</td>
<td>70</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Bis(2-ethylhexyl)adipate</td>
<td>ug/L</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl)phthalate</td>
<td>ug/L</td>
<td>100</td>
<td>60</td>
<td>60</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Bromacil</td>
<td>ug/L</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Butachlor</td>
<td>ug/L</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Dieldrin</td>
<td>ug/L</td>
<td>100</td>
<td>90</td>
<td>90</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Endrin</td>
<td>ug/L</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>50 - 150</td>
</tr>
<tr>
<td>gamma-BHC (Lindane)</td>
<td>ug/L</td>
<td>100</td>
<td>90</td>
<td>90</td>
<td>50 - 150</td>
</tr>
<tr>
<td>gamma-Chlordane</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Heptachlor</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Heptachlor epoxide</td>
<td>ug/L</td>
<td>100</td>
<td>90</td>
<td>90</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>ug/L</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Hexachlorocyclopentadiene</td>
<td>ug/L</td>
<td>100</td>
<td>70</td>
<td>70</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Methoxychlor</td>
<td>ug/L</td>
<td>100</td>
<td>60</td>
<td>60</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Metolachlor</td>
<td>ug/L</td>
<td>100</td>
<td>60</td>
<td>60</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Metribuzin</td>
<td>ug/L</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Propachlor</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Simazine</td>
<td>ug/L</td>
<td>100</td>
<td>60</td>
<td>60</td>
<td>50 - 150</td>
</tr>
</tbody>
</table>

#### Surrogate(s)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene (S)</td>
<td>%</td>
<td>101</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Perylene-d12 (S)</td>
<td>%</td>
<td>99.8</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Pyrene-d10 (S)</td>
<td>%</td>
<td>100</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Triphenyl Phosphate (S)</td>
<td>%</td>
<td>96.4</td>
<td>50 - 150</td>
</tr>
</tbody>
</table>
## Quality Control (cont.)

### Laboratory Reagent Blank (1305027)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Results</th>
<th>Units</th>
<th>MRL</th>
<th>LOD</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-Nonachlor-chlordane</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Alachlor</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Aldrin</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>alpha-Chlordane</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Atrazine</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>&lt;0.10</td>
<td>ug/L</td>
<td>0.10</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>Bis(2-ethylhexyl)adipate</td>
<td>&lt;0.5</td>
<td>ug/L</td>
<td>0.5</td>
<td>0.2</td>
<td></td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl)phthalate</td>
<td>&lt;0.5</td>
<td>ug/L</td>
<td>0.5</td>
<td>0.2</td>
<td></td>
</tr>
<tr>
<td>Bromacil</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Butachlor</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Dieldrin</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Endrin</td>
<td>&lt;0.10</td>
<td>ug/L</td>
<td>0.10</td>
<td>0.01</td>
<td></td>
</tr>
<tr>
<td>gamma-BHC (Lindane)</td>
<td>&lt;0.10</td>
<td>ug/L</td>
<td>0.10</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>gamma-Chlordane</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Heptachlor</td>
<td>&lt;0.10</td>
<td>ug/L</td>
<td>0.10</td>
<td>0.03</td>
<td></td>
</tr>
<tr>
<td>Heptachlor epoxide</td>
<td>&lt;0.10</td>
<td>ug/L</td>
<td>0.10</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Hexachlorocyclopentadiene</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Methoxychlor</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Metolachlor</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Metribuzin</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Propachlor</td>
<td>&lt;0.1</td>
<td>ug/L</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Simazine</td>
<td>&lt;0.10</td>
<td>ug/L</td>
<td>0.10</td>
<td>0.06</td>
<td></td>
</tr>
</tbody>
</table>

### Surrogate(s)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene (S)</td>
<td></td>
<td>105</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Perylene-d12 (S)</td>
<td></td>
<td>96.2</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Pyrene-d10 (S)</td>
<td></td>
<td>96.8</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Triphenyl Phosphate (S)</td>
<td></td>
<td>99.8</td>
<td>70 - 130</td>
</tr>
</tbody>
</table>

### Laboratory Fortified Blank (1305028); Lab Fortified Blank Duplicate (1305029)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spiked Amount</th>
<th>Spiked Result</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
<th>Dup Result</th>
<th>% Dup Recovery</th>
<th>RPD</th>
<th>RPD Limit %</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-Nonachlor-chlordane</td>
<td>ug/L</td>
<td>5</td>
<td>4.5</td>
<td>90.4</td>
<td>70 - 130</td>
<td>4.7</td>
<td>93.4</td>
<td>3.26</td>
<td>30</td>
</tr>
<tr>
<td>Alachlor</td>
<td>ug/L</td>
<td>5</td>
<td>5.7</td>
<td>113</td>
<td>70 - 130</td>
<td>5.3</td>
<td>105</td>
<td>7.34</td>
<td>30</td>
</tr>
<tr>
<td>Aldrin</td>
<td>ug/L</td>
<td>5</td>
<td>4.7</td>
<td>94</td>
<td>70 - 130</td>
<td>4.6</td>
<td>92.4</td>
<td>1.72</td>
<td>30</td>
</tr>
<tr>
<td>alpha-Chlordane</td>
<td>ug/L</td>
<td>5</td>
<td>4.5</td>
<td>90.6</td>
<td>70 - 130</td>
<td>4.7</td>
<td>93.4</td>
<td>3.04</td>
<td>30</td>
</tr>
<tr>
<td>Atrazine</td>
<td>ug/L</td>
<td>5</td>
<td>5.8</td>
<td>115</td>
<td>70 - 130</td>
<td>5.4</td>
<td>108</td>
<td>6.28</td>
<td>30</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>ug/L</td>
<td>5</td>
<td>4.94</td>
<td>98.8</td>
<td>70 - 130</td>
<td>6.04</td>
<td>101</td>
<td>2.20</td>
<td>30</td>
</tr>
<tr>
<td>Bis(2-ethylhexyl)adipate</td>
<td>ug/L</td>
<td>5</td>
<td>5.3</td>
<td>106</td>
<td>70 - 130</td>
<td>5.2</td>
<td>105</td>
<td>0.94</td>
<td>30</td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl)phthalate</td>
<td>ug/L</td>
<td>5</td>
<td>5.3</td>
<td>106</td>
<td>70 - 130</td>
<td>5.2</td>
<td>104</td>
<td>1.9</td>
<td>30</td>
</tr>
<tr>
<td>Bromacil</td>
<td>ug/L</td>
<td>5</td>
<td>6.1</td>
<td>121</td>
<td>70 - 130</td>
<td>5.7</td>
<td>114</td>
<td>5.96</td>
<td>30</td>
</tr>
<tr>
<td>Butachlor</td>
<td>ug/L</td>
<td>5</td>
<td>5.2</td>
<td>104</td>
<td>70 - 130</td>
<td>5.2</td>
<td>104</td>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>Dieldrin</td>
<td>ug/L</td>
<td>5</td>
<td>4.7</td>
<td>93.8</td>
<td>70 - 130</td>
<td>4.8</td>
<td>95.8</td>
<td>2.11</td>
<td>30</td>
</tr>
<tr>
<td>Endrin</td>
<td>ug/L</td>
<td>5</td>
<td>5.09</td>
<td>102</td>
<td>70 - 130</td>
<td>5.17</td>
<td>103</td>
<td>0.97</td>
<td>30</td>
</tr>
<tr>
<td>gamma-BHC (Lindane)</td>
<td>ug/L</td>
<td>5</td>
<td>5.19</td>
<td>104</td>
<td>70 - 130</td>
<td>5.1</td>
<td>102</td>
<td>1.94</td>
<td>30</td>
</tr>
<tr>
<td>gamma-Chlordane</td>
<td>ug/L</td>
<td>5</td>
<td>4.6</td>
<td>92</td>
<td>70 - 130</td>
<td>4.7</td>
<td>93.4</td>
<td>1.51</td>
<td>30</td>
</tr>
<tr>
<td>Heptachlor</td>
<td>ug/L</td>
<td>5</td>
<td>4.86</td>
<td>97.2</td>
<td>70 - 130</td>
<td>4.85</td>
<td>97</td>
<td>0.206</td>
<td>30</td>
</tr>
</tbody>
</table>
### Quality Control (cont.)

**Preparation Batch:** OEXT / 7287  
**Analysis Method:** E525.2 Pesticides by GC/MS  
**Preparation Method:** E525.2 Pesticides by GC/MS  
**Associated Lab IDs:** Q1948235001, Q1948235002, Q1948235003

(continued)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spiked Amount</th>
<th>Spike Result</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
<th>Dup Result</th>
<th>% Dup Recovery</th>
<th>RPD</th>
<th>RPD Limit</th>
<th>Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptachlor epoxide</td>
<td>ug/L</td>
<td>5</td>
<td>5.27</td>
<td>105</td>
<td>70 - 130</td>
<td>5.02</td>
<td>100</td>
<td>4.88</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>ug/L</td>
<td>5</td>
<td>4.5</td>
<td>90.6</td>
<td>70 - 130</td>
<td>4.6</td>
<td>91</td>
<td>0.44</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Hexachlorocyclopentadiene</td>
<td>ug/L</td>
<td>5</td>
<td>3.8</td>
<td>76.6</td>
<td>70 - 130</td>
<td>3.9</td>
<td>78.2</td>
<td>2.07</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Methoxychlor</td>
<td>ug/L</td>
<td>5</td>
<td>5.2</td>
<td>105</td>
<td>70 - 130</td>
<td>5.2</td>
<td>104</td>
<td>0.95</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Metolachlor</td>
<td>ug/L</td>
<td>5</td>
<td>5.8</td>
<td>115</td>
<td>70 - 130</td>
<td>5.3</td>
<td>107</td>
<td>7.21</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Metribuzin</td>
<td>ug/L</td>
<td>5</td>
<td>5.6</td>
<td>112</td>
<td>70 - 130</td>
<td>5.4</td>
<td>107</td>
<td>4.57</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Propachlor</td>
<td>ug/L</td>
<td>5</td>
<td>6.1</td>
<td>122</td>
<td>70 - 130</td>
<td>5.7</td>
<td>115</td>
<td>5.91</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Simazine</td>
<td>ug/L</td>
<td>5</td>
<td>5.84</td>
<td>117</td>
<td>70 - 130</td>
<td>5.37</td>
<td>107</td>
<td>8.93</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

**Surrogate(s)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
<th>% Dup Recovery</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene (S)</td>
<td>%</td>
<td>97.2</td>
<td>70 - 130</td>
<td>99.6</td>
</tr>
<tr>
<td>Perylene-d12 (S)</td>
<td>%</td>
<td>96</td>
<td>70 - 130</td>
<td>98</td>
</tr>
<tr>
<td>Pyrene-d10 (S)</td>
<td>%</td>
<td>94.8</td>
<td>70 - 130</td>
<td>97.4</td>
</tr>
<tr>
<td>Triphenyl Phosphate (S)</td>
<td>%</td>
<td>103</td>
<td>70 - 130</td>
<td>102</td>
</tr>
</tbody>
</table>

**Laboratory Fortified Matrix (1305030) Original:** Q1949480001

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spiked Amount</th>
<th>Spike Result</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-Nona chlor-chlordane</td>
<td>ug/L</td>
<td>5.1</td>
<td>4.8</td>
<td>93.8</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Alachlor</td>
<td>ug/L</td>
<td>5.1</td>
<td>5.1</td>
<td>99.8</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Aldrin</td>
<td>ug/L</td>
<td>5.1</td>
<td>4.6</td>
<td>91</td>
<td>70 - 130</td>
</tr>
<tr>
<td>alpha-Chlordane</td>
<td>ug/L</td>
<td>5.1</td>
<td>4.8</td>
<td>94.8</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Atrazine</td>
<td>ug/L</td>
<td>5.1</td>
<td>4.4</td>
<td>86.4</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>ug/L</td>
<td>5.09</td>
<td>5.26</td>
<td>103</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Bis(2-ethylhexyl) adipate</td>
<td>ug/L</td>
<td>5.1</td>
<td>5.6</td>
<td>110</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl) dipthalate</td>
<td>ug/L</td>
<td>5.1</td>
<td>5.5</td>
<td>108</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Bromacil</td>
<td>ug/L</td>
<td>5.1</td>
<td>6.2</td>
<td>123</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Butachlor</td>
<td>ug/L</td>
<td>5.1</td>
<td>5.2</td>
<td>102</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Dieldrin</td>
<td>ug/L</td>
<td>5.1</td>
<td>4.9</td>
<td>95.8</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Endrin</td>
<td>ug/L</td>
<td>5.09</td>
<td>4.44</td>
<td>87.2</td>
<td>70 - 130</td>
</tr>
<tr>
<td>gamma-BHC (Lindane)</td>
<td>ug/L</td>
<td>5.09</td>
<td>5.4</td>
<td>106</td>
<td>70 - 130</td>
</tr>
<tr>
<td>gamma-Chlordane</td>
<td>ug/L</td>
<td>5.1</td>
<td>4.9</td>
<td>96.2</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Heptachlor</td>
<td>ug/L</td>
<td>5.09</td>
<td>4.81</td>
<td>94.6</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Heptachlor epoxide</td>
<td>ug/L</td>
<td>5.09</td>
<td>5.18</td>
<td>102</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>ug/L</td>
<td>5.1</td>
<td>4.5</td>
<td>89.4</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Hexachlorocyclopentadiene</td>
<td>ug/L</td>
<td>5.1</td>
<td>4</td>
<td>79.6</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Methoxychlor</td>
<td>ug/L</td>
<td>5.1</td>
<td>5.6</td>
<td>111</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Metolachlor</td>
<td>ug/L</td>
<td>5.1</td>
<td>5.5</td>
<td>108</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Metribuzin</td>
<td>ug/L</td>
<td>5.1</td>
<td>5.3</td>
<td>104</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Propachlor</td>
<td>ug/L</td>
<td>5.1</td>
<td>6</td>
<td>117</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Simazine</td>
<td>ug/L</td>
<td>5.09</td>
<td>4.57</td>
<td>89.8</td>
<td>70 - 130</td>
</tr>
</tbody>
</table>

**Surrogate(s)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene (S)</td>
<td>%</td>
<td>99.4</td>
<td>70 - 130</td>
</tr>
</tbody>
</table>
### Quality Control (cont.)

**Preparation Batch:** OEXT / 7287  
**Analysis Method:** E525.2 Pesticides by GC/MS  
**Preparation Method:** E525.2 Pesticides by GC/MS  
**Associated Lab IDs:** Q1948235001, Q1948235002, Q1948235003

(continued)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spiked Amount</th>
<th>Spike Result</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surrogate(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perylene-d12 (S)</td>
<td>%</td>
<td></td>
<td></td>
<td>93.2</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Pyrene-d10 (S)</td>
<td>%</td>
<td></td>
<td></td>
<td>98.8</td>
<td>70 - 130</td>
</tr>
<tr>
<td>Triphenyl Phosphate (S)</td>
<td>%</td>
<td></td>
<td></td>
<td>104</td>
<td>70 - 130</td>
</tr>
</tbody>
</table>
Quality Control (cont.)

<table>
<thead>
<tr>
<th>Preparation Batch:</th>
<th>Analysis Method:</th>
<th>E525.2 Pesticides by GC/MS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation Method:</td>
<td></td>
<td>E525.2 Pesticides by GC/MS</td>
</tr>
<tr>
<td>Associated Lab IDs:</td>
<td>Q1948235001, Q1948235002, Q1948235003</td>
<td></td>
</tr>
</tbody>
</table>

**Method Reporting Limit Check (1304013)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spiked Amount</th>
<th>Spike Result</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-Nonachlor-chlordane</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Alachlor</td>
<td>ug/L</td>
<td>100</td>
<td>70</td>
<td>70</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Aldrin</td>
<td>ug/L</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>50 - 150</td>
</tr>
<tr>
<td>alpha-Chlordane</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Atrazine</td>
<td>ug/L</td>
<td>100</td>
<td>70</td>
<td>70</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Benzo(a)pyrene</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Bis(2-ethylhexyl)adiplate</td>
<td>ug/L</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl)phthalate</td>
<td>ug/L</td>
<td>100</td>
<td>60</td>
<td>60</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Bromacil</td>
<td>ug/L</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Butachlor</td>
<td>ug/L</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Dieldrin</td>
<td>ug/L</td>
<td>100</td>
<td>90</td>
<td>90</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Endrin</td>
<td>ug/L</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>50 - 150</td>
</tr>
<tr>
<td>gamma-BHC (Lindane)</td>
<td>ug/L</td>
<td>100</td>
<td>90</td>
<td>90</td>
<td>50 - 150</td>
</tr>
<tr>
<td>gamma-Chlordane</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Heptachlor</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Heptachlor epoxide</td>
<td>ug/L</td>
<td>100</td>
<td>90</td>
<td>90</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>ug/L</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Hexachlorocyclopentadiene</td>
<td>ug/L</td>
<td>100</td>
<td>70</td>
<td>70</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Methoxychlor</td>
<td>ug/L</td>
<td>100</td>
<td>60</td>
<td>60</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Metolachlor</td>
<td>ug/L</td>
<td>100</td>
<td>60</td>
<td>60</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Metribuzin</td>
<td>ug/L</td>
<td>100</td>
<td>50</td>
<td>50</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Propachlor</td>
<td>ug/L</td>
<td>100</td>
<td>80</td>
<td>80</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Simazine</td>
<td>ug/L</td>
<td>100</td>
<td>60</td>
<td>60</td>
<td>50 - 150</td>
</tr>
</tbody>
</table>

**Surrogate(s)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>% Spike Recovery</th>
<th>Control Limits %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Dimethyl-2-nitrobenzene (S)</td>
<td>%</td>
<td>101</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Perylene-d12 (S)</td>
<td>%</td>
<td>99.8</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Pyrene-d10 (S)</td>
<td>%</td>
<td>100</td>
<td>50 - 150</td>
</tr>
<tr>
<td>Triphenyl Phosphate (S)</td>
<td>%</td>
<td>96.4</td>
<td>50 - 150</td>
</tr>
</tbody>
</table>
## Quality Control Cross Reference

**Batch ID: ORG/8434 - Analytical Method: E525.2 Pesticides by GC/MS**

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Sample ID</th>
<th>Prep Batch</th>
<th>Prep Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1948235001</td>
<td>FH 714978 2820 CLEMENTINE</td>
<td>OEXT/7287</td>
<td>E525.2 Pesticides by GC/MS</td>
</tr>
<tr>
<td>Q1948235002</td>
<td>FH 715027 5217 LIBERTY RD</td>
<td>OEXT/7287</td>
<td>E525.2 Pesticides by GC/MS</td>
</tr>
<tr>
<td>Q1948235003</td>
<td>FH 7499156 2803 KASHMERE</td>
<td>OEXT/7287</td>
<td>E525.2 Pesticides by GC/MS</td>
</tr>
</tbody>
</table>
# LCRA Environmental Laboratory Services

## Request for Analysis Chain-of-Custody Record

**Project:** City of Houston Analysis E525.2  
**Client:** City of Houston  
**Collector:** Kevin Lancaster  
**Event #:** 95570  
**Contact:** Shubha Thakur  
**Phone:** 832-395-6010  
**Report To:** Shubha Thakur 4200 Leland St. Houston, Annex Building, TX 77023

<table>
<thead>
<tr>
<th>Sample ID *</th>
<th>Collected *</th>
<th>Matrix*</th>
<th>Container(s) Type/Preservative/Number *</th>
<th>Requested Analysis *</th>
</tr>
</thead>
<tbody>
<tr>
<td>FH #714978 / 2820 Clementine</td>
<td>7-29-19 10:00 AM</td>
<td>AQ = Aqueous</td>
<td>Y</td>
<td>X</td>
</tr>
<tr>
<td>FH #715027 / 5217 Liberty RD</td>
<td>7-29-14 8:55 AM</td>
<td>T = Tissue</td>
<td>Y</td>
<td>X</td>
</tr>
<tr>
<td>FH #7499156 / 2803 Kashmere</td>
<td>7-29-19 9:35 AM</td>
<td>DW = Drinking Water</td>
<td>Y</td>
<td>X</td>
</tr>
</tbody>
</table>

**Transfers**

<table>
<thead>
<tr>
<th>Relinquished By</th>
<th>Date/Time</th>
<th>Received By</th>
<th>Date/Time</th>
<th>Cooler Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kevin Lancaster</td>
<td>7-29-19 10:37 AM</td>
<td>Dione Epps</td>
<td>7-29-19 10:37 AM</td>
<td>10.0</td>
</tr>
<tr>
<td>Dione Epps</td>
<td>7-29-19 12:30 PM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7-30-19 11:00 AM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Relinquishing sample(s) and signing the COC, client agrees to accept and is bound by the ELS Standard Terms and Conditions. All fields with an asterisk (*) are required to be completed.