

## Report of Analysis

|                    |                         |                    |               |
|--------------------|-------------------------|--------------------|---------------|
| Client:            | First Environment, Inc. | Date Collected:    | 08/07/25      |
| Project:           | USACE018-44 DOD         | Date Received:     | 08/08/25      |
| Client Sample ID:  | 705R-S                  | SDG No.:           | Q2820         |
| Lab Sample ID:     | Q2820-09                | Matrix:            | SOIL          |
| Analytical Method: | 8081B                   | % Solid:           | 55.8          |
| Sample Wt/Vol:     | 30.06                   | Units:             | g             |
| Soil Aliquot Vol:  |                         |                    | uL            |
| Extraction Type:   |                         | Test:              | Pesticide-TCL |
| GPC Factor :       | 1.0                     | PH :               |               |
| Prep Method :      | SW3541B                 | Injection Volume : |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PD089896.D        | 1         | 08/12/25 08:16 | 08/14/25 14:41 | PB169206      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |                   |
| 319-84-6          | alpha-BHC            | 0.59  | U         | 0.23     | 0.59 | 3.00       | ug/kg             |
| 319-85-7          | beta-BHC             | 1.50  | U         | 0.32     | 1.50 | 3.00       | ug/kg             |
| 319-86-8          | delta-BHC            | 1.50  | U         | 0.70     | 1.50 | 3.00       | ug/kg             |
| 58-89-9           | gamma-BHC (Lindane)  | 0.59  | U         | 0.25     | 0.59 | 3.00       | ug/kg             |
| 76-44-8           | Heptachlor           | 0.59  | U         | 0.21     | 0.59 | 3.00       | ug/kg             |
| 309-00-2          | Aldrin               | 0.59  | U         | 0.21     | 0.59 | 3.00       | ug/kg             |
| 1024-57-3         | Heptachlor epoxide   | 1.50  | U         | 0.34     | 1.50 | 3.00       | ug/kg             |
| 959-98-8          | Endosulfan I         | 0.59  | U         | 0.25     | 0.59 | 3.00       | ug/kg             |
| 60-57-1           | Dieldrin             | 0.59  | U         | 0.25     | 0.59 | 3.00       | ug/kg             |
| 72-55-9           | 4,4-DDE              | 1.40  | J         | 0.25     | 0.59 | 3.00       | ug/kg             |
| 72-20-8           | Endrin               | 0.59  | U         | 0.25     | 0.59 | 3.00       | ug/kg             |
| 33213-65-9        | Endosulfan II        | 1.50  | U         | 0.52     | 1.50 | 3.00       | ug/kg             |
| 72-54-8           | 4,4-DDD              | 4.30  |           | 0.27     | 0.59 | 3.00       | ug/kg             |
| 1031-07-8         | Endosulfan Sulfate   | 0.59  | U         | 0.23     | 0.59 | 3.00       | ug/kg             |
| 50-29-3           | 4,4-DDT              | 0.59  | U         | 0.25     | 0.59 | 3.00       | ug/kg             |
| 72-43-5           | Methoxychlor         | 1.50  | U         | 0.66     | 1.50 | 3.00       | ug/kg             |
| 53494-70-5        | Endrin ketone        | 1.50  | U         | 0.34     | 1.50 | 3.00       | ug/kg             |
| 7421-93-4         | Endrin aldehyde      | 1.50  | U         | 0.66     | 1.50 | 3.00       | ug/kg             |
| 5103-71-9         | alpha-Chlordane      | 0.59  | U         | 0.21     | 0.59 | 3.00       | ug/kg             |
| 5103-74-2         | gamma-Chlordane      | 0.59  | U         | 0.27     | 0.59 | 3.00       | ug/kg             |
| 8001-35-2         | Toxaphene            | 30.4  | U         | 9.70     | 30.4 | 59.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |      |            |                   |
| 2051-24-3         | Decachlorobiphenyl   | 8.67  | *         | 55 - 130 |      | 43%        | SPK: 20           |
| 877-09-8          | Tetrachloro-m-xylene | 17.1  |           | 42 - 129 |      | 86%        | SPK: 20           |

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| PD089896.D        | 1         | 08/12/25 08:16 | 08/14/25 14:41 | PB169206      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit