



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
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**Hit Summary Sheet**  
**SW-846**

**SDG No.:** P5093

**Order ID:** P5093

**Client:** R3M Engineering, Inc.

**Project ID:** MC054.36 23-8-1 LM - Landing Lane

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|

Client ID :

**Total Concentration:** 0.000

A

B

C

D



# SAMPLE DATA

A

B

C

D

## Report of Analysis

|                    |                                                 |           |                    |               |           |
|--------------------|-------------------------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | R3M Engineering, Inc.                           |           | Date Collected:    | 12/04/24      |           |
| Project:           | MC054.36 23-8-1 LM - Landing Lane New Brunswick |           | Date Received:     | 12/04/24      |           |
| Client Sample ID:  | LL-001                                          |           | SDG No.:           | P5093         |           |
| Lab Sample ID:     | P5093-01                                        |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                                          |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                                            | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                                 | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                                 |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                                             | PH :      |                    |               |           |
| Prep Method :      | 3510C                                           |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PD087061.D        | 1         | 12/06/24 08:32 | 12/06/24 15:52 | PB165431      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061              | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014               | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015               | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050              | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047              | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075              | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092              | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035              | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097              | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099              | 0.050      | ug/L    |
| 5103-71-9         | alpha-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 10.6   |           | 30 (43) - 150 (140) | 53%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 20.0   |           | 30 (77) - 150 (126) | 100%       | SPK: 20 |

## Report of Analysis

|                    |                                                 |           |                    |               |           |
|--------------------|-------------------------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | R3M Engineering, Inc.                           |           | Date Collected:    | 12/04/24      |           |
| Project:           | MC054.36 23-8-1 LM - Landing Lane New Brunswick |           | Date Received:     | 12/04/24      |           |
| Client Sample ID:  | LL-001                                          |           | SDG No.:           | P5093         |           |
| Lab Sample ID:     | P5093-01                                        |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                                          |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                                            | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                                 | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                                 |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                                             | PH :      |                    |               |           |
| Prep Method :      | 3510C                                           |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PD087061.D        | 1         | 12/06/24 08:32 | 12/06/24 15:52 | PB165431      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | 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

## Report of Analysis

|                    |                                                 |           |                    |               |           |
|--------------------|-------------------------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | R3M Engineering, Inc.                           |           | Date Collected:    | 12/04/24      |           |
| Project:           | MC054.36 23-8-1 LM - Landing Lane New Brunswick |           | Date Received:     | 12/04/24      |           |
| Client Sample ID:  | LL-001-FB-12-4-24                               |           | SDG No.:           | P5093         |           |
| Lab Sample ID:     | P5093-02                                        |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                                          |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                                            | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                                 | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                                 |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                                             | PH :      |                    |               |           |
| Prep Method :      | 3510C                                           |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PD087062.D        | 1         | 12/06/24 08:32 | 12/06/24 16:06 | PB165431      |

| CAS Number        | Parameter            | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |        |           |                     |            |         |
| 319-84-6          | alpha-BHC            | 0.0061 | U         | 0.0061              | 0.050      | ug/L    |
| 319-85-7          | beta-BHC             | 0.014  | U         | 0.014               | 0.050      | ug/L    |
| 319-86-8          | delta-BHC            | 0.015  | U         | 0.015               | 0.050      | ug/L    |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0049 | U         | 0.0049              | 0.050      | ug/L    |
| 76-44-8           | Heptachlor           | 0.0054 | U         | 0.0054              | 0.050      | ug/L    |
| 309-00-2          | Aldrin               | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 1024-57-3         | Heptachlor epoxide   | 0.0090 | U         | 0.0090              | 0.050      | ug/L    |
| 959-98-8          | Endosulfan I         | 0.0050 | U         | 0.0050              | 0.050      | ug/L    |
| 60-57-1           | Dieldrin             | 0.0047 | U         | 0.0047              | 0.050      | ug/L    |
| 72-55-9           | 4,4-DDE              | 0.0045 | U         | 0.0045              | 0.050      | ug/L    |
| 72-20-8           | Endrin               | 0.0043 | U         | 0.0043              | 0.050      | ug/L    |
| 33213-65-9        | Endosulfan II        | 0.0075 | U         | 0.0075              | 0.050      | ug/L    |
| 72-54-8           | 4,4-DDD              | 0.0092 | U         | 0.0092              | 0.050      | ug/L    |
| 1031-07-8         | Endosulfan Sulfate   | 0.0035 | U         | 0.0035              | 0.050      | ug/L    |
| 50-29-3           | 4,4-DDT              | 0.0044 | U         | 0.0044              | 0.050      | ug/L    |
| 72-43-5           | Methoxychlor         | 0.011  | U         | 0.011               | 0.050      | ug/L    |
| 53494-70-5        | Endrin ketone        | 0.0097 | U         | 0.0097              | 0.050      | ug/L    |
| 7421-93-4         | Endrin aldehyde      | 0.0099 | U         | 0.0099              | 0.050      | ug/L    |
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| 5103-74-2         | gamma-Chlordane      | 0.0060 | U         | 0.0060              | 0.050      | ug/L    |
| 8001-35-2         | Toxaphene            | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| <b>SURROGATES</b> |                      |        |           |                     |            |         |
| 2051-24-3         | Decachlorobiphenyl   | 16.2   |           | 30 (43) - 150 (140) | 81%        | SPK: 20 |
| 877-09-8          | Tetrachloro-m-xylene | 21.0   |           | 30 (77) - 150 (126) | 105%       | SPK: 20 |

## Report of Analysis

|                    |                                                 |           |                    |               |           |
|--------------------|-------------------------------------------------|-----------|--------------------|---------------|-----------|
| Client:            | R3M Engineering, Inc.                           |           | Date Collected:    | 12/04/24      |           |
| Project:           | MC054.36 23-8-1 LM - Landing Lane New Brunswick |           | Date Received:     | 12/04/24      |           |
| Client Sample ID:  | LL-001-FB-12-4-24                               |           | SDG No.:           | P5093         |           |
| Lab Sample ID:     | P5093-02                                        |           | Matrix:            | WATER         |           |
| Analytical Method: | SW8081                                          |           | % Solid:           | 0             | Decanted: |
| Sample Wt/Vol:     | 1000                                            | Units: mL | Final Vol:         | 10000         | uL        |
| Soil Aliquot Vol:  |                                                 | uL        | Test:              | Pesticide-TCL |           |
| Extraction Type:   |                                                 |           | Injection Volume : |               |           |
| GPC Factor :       | 1.0                                             | PH :      |                    |               |           |
| Prep Method :      | 3510C                                           |           |                    |               |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PD087062.D        | 1         | 12/06/24 08:32 | 12/06/24 16:06 | PB165431      |

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

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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

LAB CHRONICLE

|          |                       |            |                                                 |
|----------|-----------------------|------------|-------------------------------------------------|
| OrderID: | P5093                 | OrderDate: | 12/4/2024 12:24:38 PM                           |
| Client:  | R3M Engineering, Inc. | Project:   | MC054.36 23-8-1 LM - Landing Lane New Brunswick |
| Contact: | Stacey L. Felts-Bock  | Location:  | L41,VOA Ref. #3 Water                           |

| LabID    | ClientID          | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------|--------|---------------|--------|-------------|-----------|-----------|----------|
| P5093-01 | LL-001            | WATER  |               |        | 12/04/24    |           |           | 12/04/24 |
|          |                   |        | PCB           | 8082A  |             | 12/06/24  | 12/06/24  |          |
|          |                   |        | Pesticide-TCL | 8081B  |             | 12/06/24  | 12/06/24  |          |
| P5093-02 | LL-001-FB-12-4-24 | WATER  |               |        | 12/04/24    |           |           | 12/04/24 |
|          |                   |        | PCB           | 8082A  |             | 12/06/24  | 12/06/24  |          |
|          |                   |        | Pesticide-TCL | 8081B  |             | 12/06/24  | 12/06/24  |          |