

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| U     | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                 |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| J     | Indicates an estimated value. This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| B     | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| E     | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P     | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                        |
| N     | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                  |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## LAB CHRONICLE

|                 |               |                   |                          |
|-----------------|---------------|-------------------|--------------------------|
| <b>OrderID:</b> | Q3466         | <b>OrderDate:</b> | 10/24/2025 3:18:10 PM    |
| <b>Client:</b>  | HDR, Inc.     | <b>Project:</b>   | PVWC Linear Construction |
| <b>Contact:</b> | Andrew Wadden | <b>Location:</b>  | D41,VOA Ref. #2 Soil     |

| LabID           | ClientID                   | Matrix      | Test          | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|----------------------------|-------------|---------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q3466-02</b> | <b>B8-0.0-1.0-20251023</b> | <b>SOIL</b> | Pesticide-TCL | 8081B  | <b>10/23/25</b> | 10/28/25  | 10/28/25  | <b>10/24/25</b> |
| <b>Q3466-05</b> | <b>B9-0.0-1.0-20251023</b> | <b>SOIL</b> | Pesticide-TCL | 8081B  | <b>10/23/25</b> | 10/28/25  | 10/28/25  | <b>10/24/25</b> |
| <b>Q3466-07</b> | <b>B7-1.0-2.0-20251023</b> | <b>SOIL</b> | Pesticide-TCL | 8081B  | <b>10/23/25</b> | 10/28/25  | 10/28/25  | <b>10/24/25</b> |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q3466

**Order ID:** Q3466

**Client:** HDR, Inc.

**Project ID:** PVWC Linear Construction

| Sample ID                       | Client ID           | Matrix | Parameter          | Concentration | C  | MDL  | RDL  | Units |
|---------------------------------|---------------------|--------|--------------------|---------------|----|------|------|-------|
| Client ID : B8-0.0-1.0-20251023 |                     |        |                    |               |    |      |      |       |
| Q3466-02                        | B8-0.0-1.0-20251023 | SOIL   | Dieldrin           | 1.70          | JP | 0.16 | 2.00 | ug/kg |
| Q3466-02                        | B8-0.0-1.0-20251023 | SOIL   | 4,4-DDE            | 0.80          | J  | 0.16 | 2.00 | ug/kg |
| Q3466-02                        | B8-0.0-1.0-20251023 | SOIL   | Endrin             | 1.10          | JP | 0.16 | 2.00 | ug/kg |
| Q3466-02                        | B8-0.0-1.0-20251023 | SOIL   | 4,4-DDT            | 3.30          | P  | 0.16 | 2.00 | ug/kg |
| Total Concentration:            |                     |        |                    | 6.900         |    |      |      |       |
| Client ID : B9-0.0-1.0-20251023 |                     |        |                    |               |    |      |      |       |
| Q3466-05                        | B9-0.0-1.0-20251023 | SOIL   | Heptachlor epoxide | 0.52          | J  | 0.23 | 2.00 | ug/kg |
| Q3466-05                        | B9-0.0-1.0-20251023 | SOIL   | Dieldrin           | 1.00          | JP | 0.17 | 2.00 | ug/kg |
| Q3466-05                        | B9-0.0-1.0-20251023 | SOIL   | Endrin             | 0.33          | J  | 0.17 | 2.00 | ug/kg |
| Q3466-05                        | B9-0.0-1.0-20251023 | SOIL   | 4,4-DDT            | 0.59          | J  | 0.17 | 2.00 | ug/kg |
| Q3466-05                        | B9-0.0-1.0-20251023 | SOIL   | alpha-Chlordane    | 3.40          | P  | 0.14 | 2.00 | ug/kg |
| Q3466-05                        | B9-0.0-1.0-20251023 | SOIL   | gamma-Chlordane    | 1.20          | J  | 0.18 | 2.00 | ug/kg |
| Total Concentration:            |                     |        |                    | 7.040         |    |      |      |       |



# QC SUMMARY

### Surrogate Summary

SDG No.: Q3466

Client: HDR, Inc.

Analytical Method: 8081B

| Lab Sample ID    | Client ID              | Parameter         | Column | Spike | Result | Recovery(%) | Qual | Limits(%) |           |
|------------------|------------------------|-------------------|--------|-------|--------|-------------|------|-----------|-----------|
|                  |                        |                   |        |       |        |             |      | Low       | High      |
| I.BLK-PD090647.D | PIBLK-PD090647.D       | Decachlorobiphen  | 1      | 20    | 21.3   | 106         |      | 30 (57)   | 150 (171) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 19.4   | 97          |      | 30 (61)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 20.3   | 102         |      | 30 (57)   | 150 (171) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 20.0   | 100         |      | 30 (61)   | 150 (148) |
| I.BLK-PD090879.D | PIBLK-PD090879.D       | Decachlorobiphen  | 1      | 20    | 23.1   | 115         |      | 30 (57)   | 150 (171) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 21.6   | 108         |      | 30 (61)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 24.9   | 125         |      | 30 (57)   | 150 (171) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 21.8   | 109         |      | 30 (61)   | 150 (148) |
| PB170283BL       | PB170283BL             | Decachlorobiphen  | 1      | 20    | 20.5   | 103         |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 19.2   | 96          |      | 30 (19)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 22.2   | 111         |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 19.2   | 96          |      | 30 (19)   | 150 (148) |
| PB170283BS       | PB170283BS             | Decachlorobiphen  | 1      | 20    | 19.5   | 98          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 14.8   | 74          |      | 30 (19)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 21.8   | 109         |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 14.9   | 75          |      | 30 (19)   | 150 (148) |
| I.BLK-PD090891.D | PIBLK-PD090891.D       | Decachlorobiphen  | 1      | 20    | 22.8   | 114         |      | 30 (57)   | 150 (171) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 21.5   | 108         |      | 30 (61)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 23.0   | 115         |      | 30 (57)   | 150 (171) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 21.6   | 108         |      | 30 (61)   | 150 (148) |
| Q3466-02         | B8-0.0-1.0-20251023    | Decachlorobiphen  | 1      | 20    | 15.8   | 79          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 19.8   | 99          |      | 30 (19)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 16.4   | 82          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 20.5   | 102         |      | 30 (19)   | 150 (148) |
| Q3466-02MS       | B8-0.0-1.0-20251023MS  | Decachlorobiphen  | 1      | 20    | 15.1   | 75          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 18.1   | 90          |      | 30 (19)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 15.1   | 75          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 19.1   | 96          |      | 30 (19)   | 150 (148) |
| Q3466-02MSD      | B8-0.0-1.0-20251023MSD | Decachlorobiphen  | 1      | 20    | 14.8   | 74          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 19.3   | 96          |      | 30 (19)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 15.2   | 76          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 20.3   | 102         |      | 30 (19)   | 150 (148) |
| Q3466-05         | B9-0.0-1.0-20251023    | Decachlorobiphen  | 1      | 20    | 12.8   | 64          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 18.6   | 93          |      | 30 (19)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 14.4   | 72          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 18.6   | 93          |      | 30 (19)   | 150 (148) |
| Q3466-07         | B7-1.0-2.0-20251023    | Decachlorobiphen  | 1      | 20    | 11.7   | 59          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 1      | 20    | 13.4   | 67          |      | 30 (19)   | 150 (148) |
|                  |                        | Decachlorobiphen  | 2      | 20    | 9.81   | 49          |      | 30 (20)   | 150 (144) |
|                  |                        | Tetrachloro-m-xyl | 2      | 20    | 13.8   | 69          |      | 30 (19)   | 150 (148) |
| I.BLK-PD090900.D | PIBLK-PD090900.D       | Decachlorobiphen  | 1      | 20    | 18.7   | 94          |      | 30 (57)   | 150 (171) |

() = LABORATORY INHOUSE LIMIT

### Surrogate Summary

SDG No.: Q3466

Client: HDR, Inc.

Analytical Method: 8081B

| Lab Sample ID    | Client ID        | Parameter         | Column | Spike | Result | Recovery(%) | Qual | Limits(%) |           |
|------------------|------------------|-------------------|--------|-------|--------|-------------|------|-----------|-----------|
|                  |                  |                   |        |       |        |             |      | Low       | High      |
| I.BLK-PD090900.D | PIBLK-PD090900.D | Tetrachloro-m-xyl | 1      | 20    | 19.4   | 97          |      | 30 (61)   | 150 (148) |
|                  |                  | Decachlorobiphen  | 2      | 20    | 17.5   | 87          |      | 30 (57)   | 150 (171) |
|                  |                  | Tetrachloro-m-xyl | 2      | 20    | 21.3   | 107         |      | 30 (61)   | 150 (148) |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3466</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>HDR, Inc.</u> | <b>DataFile :</b>         | <u>PD090894.D</u> |

|                | Parameter                | Spike             | Sample |                       | Units | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits    |  | RPD |
|----------------|--------------------------|-------------------|--------|-----------------------|-------|-----|----------|-----|----------|---------|-----------|--|-----|
|                |                          |                   | Result |                       |       |     |          |     |          |         | High      |  |     |
| Lab Sample ID: | Q3466-02MS<br>(Column 1) | Client Sample ID: |        | B8-0.0-1.0-20251023MS |       |     |          |     |          |         |           |  |     |
|                | alpha-BHC                | 19.53             | 0      | 19.4                  | ug/kg | 99  |          |     |          | 30 (60) | 150 (144) |  |     |
|                | beta-BHC                 | 19.53             | 0      | 17.3                  | ug/kg | 89  |          |     |          | 30 (54) | 150 (143) |  |     |
|                | delta-BHC                | 19.53             | 0      | 19.5                  | ug/kg | 100 |          |     |          | 30 (29) | 150 (151) |  |     |
|                | gamma-BHC (Lindane)      | 19.53             | 0      | 18.8                  | ug/kg | 96  |          |     |          | 30 (61) | 150 (140) |  |     |
|                | Heptachlor               | 19.53             | 0      | 22.7                  | ug/kg | 116 |          |     |          | 30 (63) | 150 (135) |  |     |
|                | Aldrin                   | 19.53             | 0      | 19.0                  | ug/kg | 97  |          |     |          | 30 (49) | 150 (139) |  |     |
|                | Heptachlor epoxide       | 19.53             | 0      | 19.2                  | ug/kg | 98  |          |     |          | 30 (41) | 150 (156) |  |     |
|                | Endosulfan I             | 19.53             | 0      | 19.0                  | ug/kg | 97  |          |     |          | 30 (56) | 150 (142) |  |     |
|                | Dieldrin                 | 19.53             | 0.45   | 18.9                  | ug/kg | 94  |          |     |          | 30 (47) | 150 (161) |  |     |
|                | 4,4'-DDE                 | 19.53             | 0.80   | 18.3                  | ug/kg | 90  |          |     |          | 30 (55) | 150 (136) |  |     |
|                | Endrin                   | 19.53             | 1.1    | 19.2                  | ug/kg | 93  |          |     |          | 30 (57) | 150 (139) |  |     |
|                | Endosulfan II            | 19.53             | 0      | 18.4                  | ug/kg | 94  |          |     |          | 30 (40) | 150 (163) |  |     |
|                | 4,4'-DDD                 | 19.53             | 0      | 20.7                  | ug/kg | 106 |          |     |          | 30 (47) | 150 (163) |  |     |
|                | Endosulfan sulfate       | 19.53             | 0      | 18.3                  | ug/kg | 94  |          |     |          | 30 (62) | 150 (139) |  |     |
|                | 4,4'-DDT                 | 19.53             | 1.1    | 21.2                  | ug/kg | 103 |          |     |          | 30 (51) | 150 (146) |  |     |
|                | Methoxychlor             | 19.53             | 0      | 18.9                  | ug/kg | 97  |          |     |          | 30 (54) | 150 (136) |  |     |
|                | Endrin ketone            | 19.53             | 0      | 19.4                  | ug/kg | 99  |          |     |          | 30 (60) | 150 (129) |  |     |
|                | Endrin aldehyde          | 19.53             | 0      | 19.0                  | ug/kg | 97  |          |     |          | 30 (59) | 150 (132) |  |     |
|                | alpha-Chlordane          | 19.53             | 0      | 18.4                  | ug/kg | 94  |          |     |          | 30 (39) | 150 (166) |  |     |
|                | gamma-Chlordane          | 19.53             | 0      | 18.4                  | ug/kg | 94  |          |     |          | 30 (44) | 150 (175) |  |     |
| Lab Sample ID: | Q3466-02MS<br>(Column 2) | Client Sample ID: |        | B8-0.0-1.0-20251023MS |       |     |          |     |          |         |           |  |     |
|                | alpha-BHC                | 19.53             | 0      | 18.4                  | ug/kg | 94  |          |     |          | 30 (60) | 150 (144) |  |     |
|                | beta-BHC                 | 19.53             | 0      | 18.9                  | ug/kg | 97  |          |     |          | 30 (54) | 150 (143) |  |     |
|                | delta-BHC                | 19.53             | 0      | 18.1                  | ug/kg | 93  |          |     |          | 30 (29) | 150 (151) |  |     |
|                | gamma-BHC (Lindane)      | 19.53             | 0      | 17.9                  | ug/kg | 92  |          |     |          | 30 (61) | 150 (140) |  |     |
|                | Heptachlor               | 19.53             | 0      | 19.1                  | ug/kg | 98  |          |     |          | 30 (63) | 150 (135) |  |     |
|                | Aldrin                   | 19.53             | 0      | 17.8                  | ug/kg | 91  |          |     |          | 30 (49) | 150 (139) |  |     |
|                | Heptachlor epoxide       | 19.53             | 0      | 17.9                  | ug/kg | 92  |          |     |          | 30 (41) | 150 (156) |  |     |
|                | Endosulfan I             | 19.53             | 0      | 16.6                  | ug/kg | 85  |          |     |          | 30 (56) | 150 (142) |  |     |
|                | Dieldrin                 | 19.53             | 1.7    | 19.6                  | ug/kg | 92  |          |     |          | 30 (47) | 150 (161) |  |     |
|                | 4,4'-DDE                 | 19.53             | 0.64   | 18.4                  | ug/kg | 91  |          |     |          | 30 (55) | 150 (136) |  |     |
|                | Endrin                   | 19.53             | 0.34   | 18.1                  | ug/kg | 90  |          |     |          | 30 (57) | 150 (139) |  |     |
|                | Endosulfan II            | 19.53             | 0      | 19.9                  | ug/kg | 102 |          |     |          | 30 (40) | 150 (163) |  |     |
|                | 4,4'-DDD                 | 19.53             | 0      | 17.3                  | ug/kg | 89  |          |     |          | 30 (47) | 150 (163) |  |     |
|                | Endosulfan sulfate       | 19.53             | 0      | 18.6                  | ug/kg | 95  |          |     |          | 30 (62) | 150 (139) |  |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3466</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>HDR, Inc.</u> | <b>DataFile :</b>         | <u>PD090894.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits    |     |
|-----------------|-------|--------|--------|-------|-----|-------------|-----|-------------|---------|-----------|-----|
|                 |       | Result | Result |       |     |             |     |             |         | High      | RPD |
| 4,4'-DDT        | 19.53 | 3.3    | 20.9   | ug/kg | 90  |             |     |             | 30 (51) | 150 (146) |     |
| Methoxychlor    | 19.53 | 0      | 17.2   | ug/kg | 88  |             |     |             | 30 (54) | 150 (136) |     |
| Endrin ketone   | 19.53 | 0      | 17.4   | ug/kg | 89  |             |     |             | 30 (60) | 150 (129) |     |
| Endrin aldehyde | 19.53 | 0      | 18.7   | ug/kg | 96  |             |     |             | 30 (59) | 150 (132) |     |
| alpha-Chlordane | 19.53 | 0      | 18.6   | ug/kg | 95  |             |     |             | 30 (39) | 150 (166) |     |
| gamma-Chlordane | 19.53 | 0      | 19.3   | ug/kg | 99  |             |     |             | 30 (44) | 150 (175) |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3466</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>HDR, Inc.</u> | <b>DataFile :</b>         | <u>PD090895.D</u> |

|                | Parameter                 | Spike             | Sample |                        | Units | Rec | Rec  | RPD |      | Low     | Limits    | RPD     |
|----------------|---------------------------|-------------------|--------|------------------------|-------|-----|------|-----|------|---------|-----------|---------|
|                |                           |                   | Result |                        |       |     | Qual | RPD | Qual |         | High      |         |
| Lab Sample ID: | Q3466-02MSD<br>(Column 1) | Client Sample ID: |        | B8-0.0-1.0-20251023MSD |       |     |      |     |      |         |           |         |
|                | alpha-BHC                 | 19.49             | 0      | 20.7                   | ug/kg | 106 |      | 7   |      | 30 (60) | 150 (144) | 30 (20) |
|                | beta-BHC                  | 19.49             | 0      | 18.2                   | ug/kg | 93  |      | 4   |      | 30 (54) | 150 (143) | 30 (20) |
|                | delta-BHC                 | 19.49             | 0      | 20.7                   | ug/kg | 106 |      | 6   |      | 30 (29) | 150 (151) | 30 (20) |
|                | gamma-BHC (Lindane)       | 19.49             | 0      | 20.4                   | ug/kg | 105 |      | 9   |      | 30 (61) | 150 (140) | 30 (20) |
|                | Heptachlor                | 19.49             | 0      | 24.2                   | ug/kg | 124 |      | 7   |      | 30 (63) | 150 (135) | 30 (20) |
|                | Aldrin                    | 19.49             | 0      | 20.2                   | ug/kg | 104 |      | 7   |      | 30 (49) | 150 (139) | 30 (20) |
|                | Heptachlor epoxide        | 19.49             | 0      | 20.5                   | ug/kg | 105 |      | 7   |      | 30 (41) | 150 (156) | 30 (20) |
|                | Endosulfan I              | 19.49             | 0      | 20.2                   | ug/kg | 104 |      | 7   |      | 30 (56) | 150 (142) | 30 (20) |
|                | Dieldrin                  | 19.49             | 0.45   | 19.9                   | ug/kg | 100 |      | 6   |      | 30 (47) | 150 (161) | 30 (20) |
|                | 4,4'-DDE                  | 19.49             | 0.80   | 19.3                   | ug/kg | 95  |      | 5   |      | 30 (55) | 150 (136) | 30 (20) |
|                | Endrin                    | 19.49             | 1.1    | 20.3                   | ug/kg | 99  |      | 6   |      | 30 (57) | 150 (139) | 30 (20) |
|                | Endosulfan II             | 19.49             | 0      | 19.4                   | ug/kg | 100 |      | 6   |      | 30 (40) | 150 (163) | 30 (20) |
|                | 4,4'-DDD                  | 19.49             | 0      | 21.8                   | ug/kg | 112 |      | 6   |      | 30 (47) | 150 (163) | 30 (20) |
|                | Endosulfan sulfate        | 19.49             | 0      | 19.1                   | ug/kg | 98  |      | 4   |      | 30 (62) | 150 (139) | 30 (20) |
|                | 4,4'-DDT                  | 19.49             | 1.1    | 22.6                   | ug/kg | 110 |      | 7   |      | 30 (51) | 150 (146) | 30 (20) |
|                | Methoxychlor              | 19.49             | 0      | 19.8                   | ug/kg | 102 |      | 5   |      | 30 (54) | 150 (136) | 30 (20) |
|                | Endrin ketone             | 19.49             | 0      | 20.5                   | ug/kg | 105 |      | 6   |      | 30 (60) | 150 (129) | 30 (20) |
|                | Endrin aldehyde           | 19.49             | 0      | 20.0                   | ug/kg | 103 |      | 6   |      | 30 (59) | 150 (132) | 30 (20) |
|                | alpha-Chlordane           | 19.49             | 0      | 19.8                   | ug/kg | 102 |      | 8   |      | 30 (39) | 150 (166) | 30 (20) |
|                | gamma-Chlordane           | 19.49             | 0      | 19.5                   | ug/kg | 100 |      | 6   |      | 30 (44) | 150 (175) | 30 (20) |
| Lab Sample ID: | Q3466-02MSD<br>(Column 2) | Client Sample ID: |        | B8-0.0-1.0-20251023MSD |       |     |      |     |      |         |           |         |
|                | alpha-BHC                 | 19.49             | 0      | 19.6                   | ug/kg | 101 |      | 7   |      | 30 (60) | 150 (144) | 30 (20) |
|                | beta-BHC                  | 19.49             | 0      | 20.2                   | ug/kg | 104 |      | 7   |      | 30 (54) | 150 (143) | 30 (20) |
|                | delta-BHC                 | 19.49             | 0      | 19.2                   | ug/kg | 99  |      | 6   |      | 30 (29) | 150 (151) | 30 (20) |
|                | gamma-BHC (Lindane)       | 19.49             | 0      | 19.0                   | ug/kg | 97  |      | 5   |      | 30 (61) | 150 (140) | 30 (20) |
|                | Heptachlor                | 19.49             | 0      | 20.3                   | ug/kg | 104 |      | 6   |      | 30 (63) | 150 (135) | 30 (20) |
|                | Aldrin                    | 19.49             | 0      | 18.8                   | ug/kg | 96  |      | 5   |      | 30 (49) | 150 (139) | 30 (20) |
|                | Heptachlor epoxide        | 19.49             | 0      | 18.9                   | ug/kg | 97  |      | 5   |      | 30 (41) | 150 (156) | 30 (20) |
|                | Endosulfan I              | 19.49             | 0      | 17.5                   | ug/kg | 90  |      | 6   |      | 30 (56) | 150 (142) | 30 (20) |
|                | Dieldrin                  | 19.49             | 1.7    | 20.6                   | ug/kg | 97  |      | 5   |      | 30 (47) | 150 (161) | 30 (20) |
|                | 4,4'-DDE                  | 19.49             | 0.64   | 19.4                   | ug/kg | 96  |      | 5   |      | 30 (55) | 150 (136) | 30 (20) |
|                | Endrin                    | 19.49             | 0.34   | 18.9                   | ug/kg | 95  |      | 5   |      | 30 (57) | 150 (139) | 30 (20) |
|                | Endosulfan II             | 19.49             | 0      | 20.7                   | ug/kg | 106 |      | 4   |      | 30 (40) | 150 (163) | 30 (20) |
|                | 4,4'-DDD                  | 19.49             | 0      | 17.9                   | ug/kg | 92  |      | 3   |      | 30 (47) | 150 (163) | 30 (20) |
|                | Endosulfan sulfate        | 19.49             | 0      | 19.2                   | ug/kg | 99  |      | 4   |      | 30 (62) | 150 (139) | 30 (20) |

**Matrix Spike/Matrix Spike Duplicate Summary**

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3466</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>HDR, Inc.</u> | <b>DataFile :</b>         | <u>PD090895.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits    |         |
|-----------------|-------|--------|--------|-------|-----|----------|-----|----------|---------|-----------|---------|
|                 |       | Result | Result |       |     |          |     |          |         | High      | RPD     |
| 4,4'-DDT        | 19.49 | 3.3    | 21.7   | ug/kg | 94  |          | 4   |          | 30 (51) | 150 (146) | 30 (20) |
| Methoxychlor    | 19.49 | 0      | 18.0   | ug/kg | 92  |          | 4   |          | 30 (54) | 150 (136) | 30 (20) |
| Endrin ketone   | 19.49 | 0      | 17.9   | ug/kg | 92  |          | 3   |          | 30 (60) | 150 (129) | 30 (20) |
| Endrin aldehyde | 19.49 | 0      | 19.7   | ug/kg | 101 |          | 5   |          | 30 (59) | 150 (132) | 30 (20) |
| alpha-Chlordane | 19.49 | 0      | 19.6   | ug/kg | 101 |          | 6   |          | 30 (39) | 150 (166) | 30 (20) |
| gamma-Chlordane | 19.49 | 0      | 20.4   | ug/kg | 105 |          | 6   |          | 30 (44) | 150 (175) | 30 (20) |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** Q3466

**Analytical Method:** 8081B

**Client:** HDR, Inc.

**Datafile :** PD090885.D

| Lab Sample ID            | Parameter           | Spike | Result | Units | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|--------------------------|---------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|                          |                     |       |        |       |     |     |      | Qual | Low     | High      |     |
| PB170283BS<br>(Column 1) | alpha-BHC           | 16.66 | 15.8   | ug/kg | 95  |     |      |      | 40 (84) | 140 (123) |     |
|                          | beta-BHC            | 16.66 | 15.4   | ug/kg | 92  |     |      |      | 40 (82) | 140 (123) |     |
|                          | delta-BHC           | 16.66 | 16.0   | ug/kg | 96  |     |      |      | 40 (83) | 140 (126) |     |
|                          | gamma-BHC (Lindane) | 16.66 | 15.7   | ug/kg | 94  |     |      |      | 40 (83) | 140 (125) |     |
|                          | Heptachlor          | 16.66 | 18.6   | ug/kg | 112 |     |      |      | 40 (83) | 140 (122) |     |
|                          | Aldrin              | 16.66 | 15.9   | ug/kg | 95  |     |      |      | 40 (82) | 140 (124) |     |
|                          | Heptachlor epoxide  | 16.66 | 16.1   | ug/kg | 97  |     |      |      | 40 (83) | 140 (120) |     |
|                          | Endosulfan I        | 16.66 | 16.0   | ug/kg | 96  |     |      |      | 40 (81) | 140 (124) |     |
|                          | Dieldrin            | 16.66 | 16.3   | ug/kg | 98  |     |      |      | 40 (85) | 140 (121) |     |
|                          | 4,4'-DDE            | 16.66 | 15.8   | ug/kg | 95  |     |      |      | 40 (81) | 140 (123) |     |
|                          | Endrin              | 16.66 | 15.5   | ug/kg | 93  |     |      |      | 40 (76) | 140 (130) |     |
|                          | Endosulfan II       | 16.66 | 15.9   | ug/kg | 95  |     |      |      | 40 (80) | 140 (125) |     |
|                          | 4,4'-DDD            | 16.66 | 17.3   | ug/kg | 104 |     |      |      | 40 (80) | 140 (131) |     |
|                          | Endosulfan sulfate  | 16.66 | 16.0   | ug/kg | 96  |     |      |      | 40 (81) | 140 (122) |     |
|                          | 4,4'-DDT            | 16.66 | 15.7   | ug/kg | 94  |     |      |      | 40 (70) | 140 (129) |     |
|                          | Methoxychlor        | 16.66 | 15.9   | ug/kg | 95  |     |      |      | 40 (60) | 140 (119) |     |
|                          | Endrin ketone       | 16.66 | 16.8   | ug/kg | 101 |     |      |      | 40 (77) | 140 (132) |     |
|                          | Endrin aldehyde     | 16.66 | 16.4   | ug/kg | 98  |     |      |      | 40 (79) | 140 (124) |     |
|                          | alpha-Chlordane     | 16.66 | 16.1   | ug/kg | 97  |     |      |      | 40 (84) | 140 (120) |     |
|                          | gamma-Chlordane     | 16.66 | 15.9   | ug/kg | 95  |     |      |      | 40 (83) | 140 (122) |     |
| PB170283BS<br>(Column 2) | alpha-BHC           | 16.66 | 15.0   | ug/kg | 90  |     |      |      | 40 (84) | 140 (123) |     |
|                          | beta-BHC            | 16.66 | 14.9   | ug/kg | 89  |     |      |      | 40 (82) | 140 (123) |     |
|                          | delta-BHC           | 16.66 | 15.1   | ug/kg | 91  |     |      |      | 40 (83) | 140 (126) |     |
|                          | gamma-BHC (Lindane) | 16.66 | 15.0   | ug/kg | 90  |     |      |      | 40 (83) | 140 (125) |     |
|                          | Heptachlor          | 16.66 | 15.4   | ug/kg | 92  |     |      |      | 40 (83) | 140 (122) |     |
|                          | Aldrin              | 16.66 | 15.0   | ug/kg | 90  |     |      |      | 40 (82) | 140 (124) |     |
|                          | Heptachlor epoxide  | 16.66 | 15.0   | ug/kg | 90  |     |      |      | 40 (83) | 140 (120) |     |
|                          | Endosulfan I        | 16.66 | 15.1   | ug/kg | 91  |     |      |      | 40 (81) | 140 (124) |     |
|                          | Dieldrin            | 16.66 | 15.5   | ug/kg | 93  |     |      |      | 40 (85) | 140 (121) |     |
|                          | 4,4'-DDE            | 16.66 | 15.4   | ug/kg | 92  |     |      |      | 40 (81) | 140 (123) |     |
|                          | Endrin              | 16.66 | 15.2   | ug/kg | 91  |     |      |      | 40 (76) | 140 (130) |     |
|                          | Endosulfan II       | 16.66 | 15.7   | ug/kg | 94  |     |      |      | 40 (80) | 140 (125) |     |
|                          | 4,4'-DDD            | 16.66 | 16.5   | ug/kg | 99  |     |      |      | 40 (80) | 140 (131) |     |
|                          | Endosulfan sulfate  | 16.66 | 16.1   | ug/kg | 97  |     |      |      | 40 (81) | 140 (122) |     |
|                          | 4,4'-DDT            | 16.66 | 15.4   | ug/kg | 92  |     |      |      | 40 (70) | 140 (129) |     |
|                          | Methoxychlor        | 16.66 | 15.7   | ug/kg | 94  |     |      |      | 40 (60) | 140 (119) |     |
|                          | Endrin ketone       | 16.66 | 17.0   | ug/kg | 102 |     |      |      | 40 (77) | 140 (132) |     |
|                          | Endrin aldehyde     | 16.66 | 16.1   | ug/kg | 97  |     |      |      | 40 (79) | 140 (124) |     |
|                          | alpha-Chlordane     | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 40 (84) | 140 (120) |     |
|                          | gamma-Chlordane     | 16.66 | 15.3   | ug/kg | 92  |     |      |      | 40 (83) | 140 (122) |     |

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170283BL

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Lab Sample ID: PB170283BL

Lab File ID: PD090881.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/28/2025

Date Analyzed (1): 10/28/2025

Date Analyzed (2): 10/28/2025

Time Analyzed (1): 14:35

Time Analyzed (2): 14:35

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.      | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|------------------------|------------------|----------------|--------------------|--------------------|
| PB170283BS             | PB170283BS       | PD090885.D     | 10/28/2025         | 10/28/2025         |
| B8-0.0-1.0-20251023    | Q3466-02         | PD090893.D     | 10/28/2025         | 10/28/2025         |
| B8-0.0-1.0-20251023MS  | Q3466-02MS       | PD090894.D     | 10/28/2025         | 10/28/2025         |
| B8-0.0-1.0-20251023MSD | Q3466-02MSD      | PD090895.D     | 10/28/2025         | 10/28/2025         |
| B9-0.0-1.0-20251023    | Q3466-05         | PD090896.D     | 10/28/2025         | 10/28/2025         |
| B7-1.0-2.0-20251023    | Q3466-07         | PD090897.D     | 10/28/2025         | 10/28/2025         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



# SAMPLE DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/23/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/24/25      |
| Client Sample ID:  | B8-0.0-1.0-20251023      |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | Q3466-02                 |            | Matrix:         | SOIL          |
| Analytical Method: | 8081B                    |            | % Solid:        | 85.3          |
| Sample Wt/Vol:     | 30.06 g                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       | SW3541                   | Prep Date  | 10/28/25        | Pesticide-TCL |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |                     |            |         |                |          |
| 319-84-6          | alpha-BHC            | 0.15  | U    | 1  | 0.15                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 319-85-7          | beta-BHC             | 0.21  | U    | 1  | 0.21                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 319-86-8          | delta-BHC            | 0.46  | U    | 1  | 0.46                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.16  | U    | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 76-44-8           | Heptachlor           | 0.14  | U    | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 309-00-2          | Aldrin               | 0.14  | U    | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 1024-57-3         | Heptachlor epoxide   | 0.22  | U    | 1  | 0.22                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 959-98-8          | Endosulfan I         | 0.16  | U    | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 60-57-1           | Dieldrin             | 1.70  | JP   | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 72-55-9           | 4,4-DDE              | 0.80  | J    | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 72-20-8           | Endrin               | 1.10  | JP   | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 33213-65-9        | Endosulfan II        | 0.34  | U    | 1  | 0.34                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 72-54-8           | 4,4-DDD              | 0.18  | U    | 1  | 0.18                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 1031-07-8         | Endosulfan Sulfate   | 0.15  | U    | 1  | 0.15                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 50-29-3           | 4,4-DDT              | 3.30  | P    | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 72-43-5           | Methoxychlor         | 0.43  | U    | 1  | 0.43                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 53494-70-5        | Endrin ketone        | 0.22  | U    | 1  | 0.22                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 7421-93-4         | Endrin aldehyde      | 0.43  | U    | 1  | 0.43                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 5103-71-9         | alpha-Chlordane      | 0.14  | U    | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 5103-74-2         | gamma-Chlordane      | 0.18  | U    | 1  | 0.18                | 2.00       | ug/kg   | 10/28/25 18:46 | PB170283 |
| 8001-35-2         | Toxaphene            | 6.30  | U    | 1  | 6.30                | 38.6       | ug/kg   | 10/28/25 18:46 | PB170283 |
| <b>SURROGATES</b> |                      |       |      |    |                     |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 16.4  |      |    | 30 (20) - 150 (144) | 82%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 20.5  |      |    | 30 (19) - 150 (148) | 102%       | SPK: 20 |                |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090893.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 18:46  
 Operator : AR\AJ  
 Sample : Q3466-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 B8-0.0-1.0-20251023

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
 Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:46:32 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.542 | 2.873 | 61645938 | 610.1E6  | 19.795m | 20.489  |
| 28) SA Decachlor...         | 9.062 | 8.058 | 73676133 | 496.8E6  | 15.750  | 16.400  |
| Target Compounds            |       |       |          |          |         |         |
| 12) B 4,4'-DDE              | 6.186 | 5.363 | 10974014 | 71822582 | 2.060m  | 1.638   |
| 13) MA Dieldrin             | 6.343 | 5.497 | 6788963  | 196.0E6  | 1.164m  | 4.436m# |
| 14) MA Endrin               | 6.565 | 5.779 | 13869953 | 35558814 | 2.800m  | 0.878m# |
| 17) MA 4,4'-DDT             | 7.013 | 6.168 | 11853626 | 299.2E6  | 2.884   | 8.530 # |
| -----                       |       |       |          |          |         |         |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090893.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 18:46  
Operator : AR\AJ  
Sample : Q3466-02  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

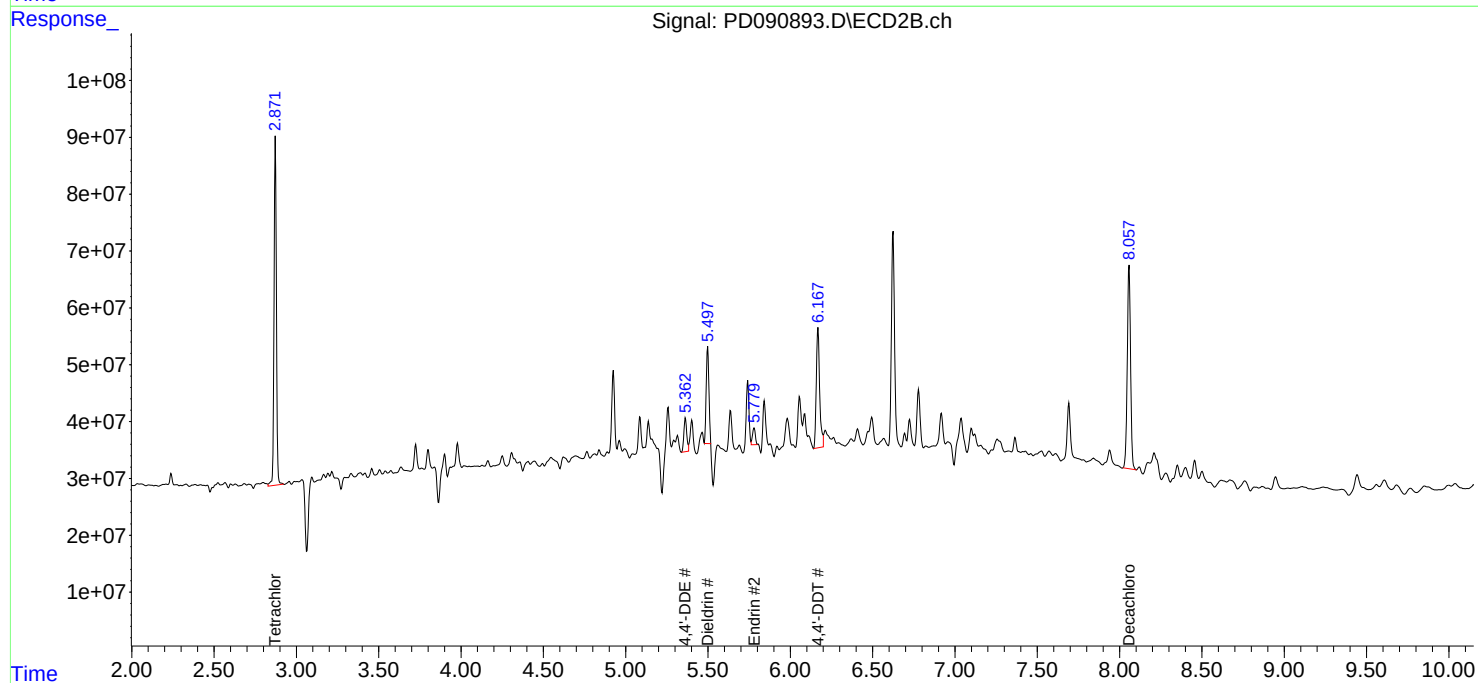
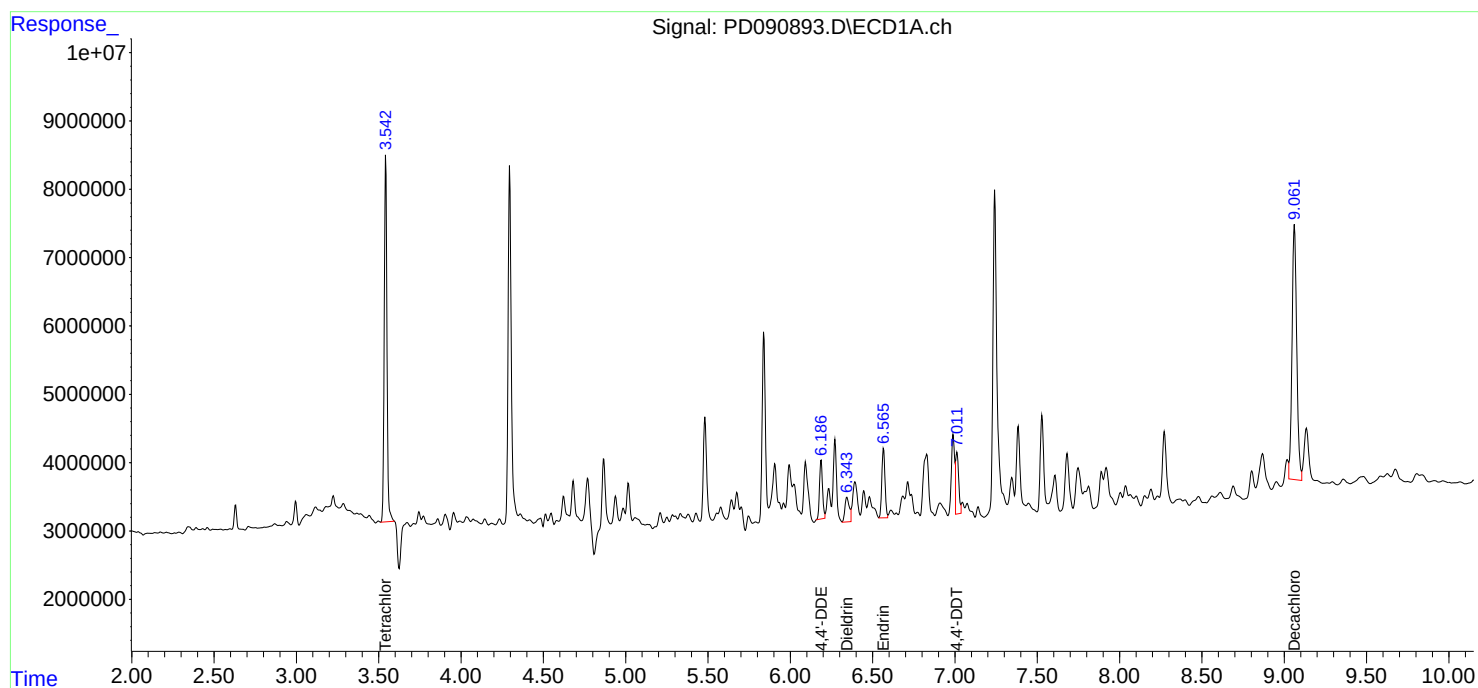
Instrument :  
ECD\_D  
ClientSampleId :  
B8-0.0-1.0-20251023

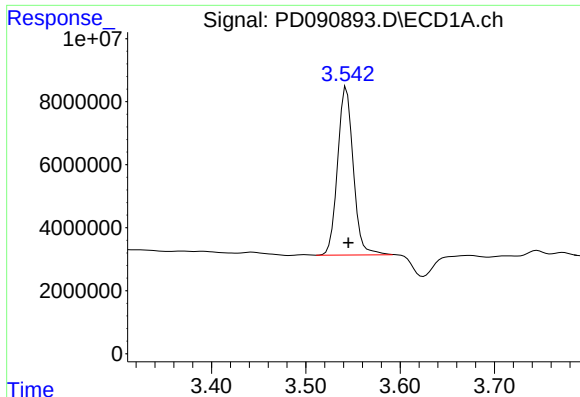
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:46:32 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





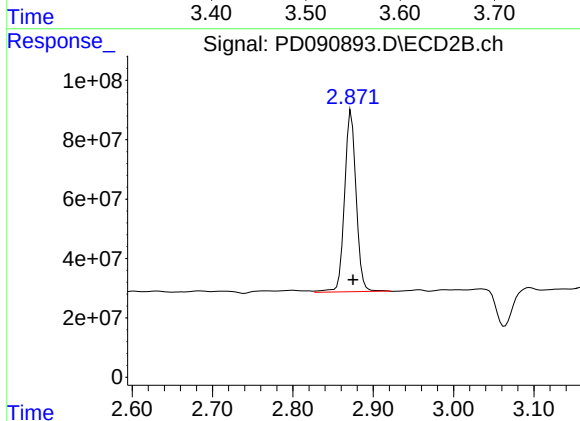
#1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: -0.003 min  
Response: 61645938  
Conc: 19.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
B8-0.0-1.0-20251023

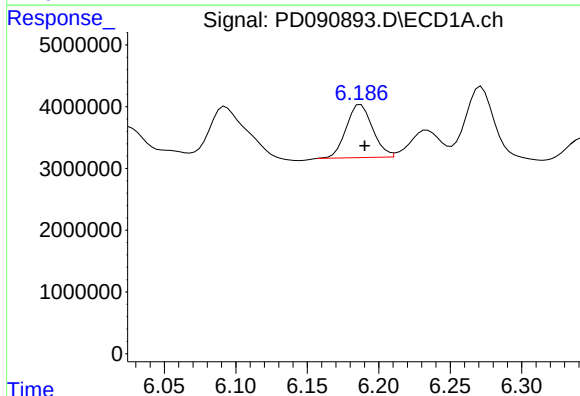
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025



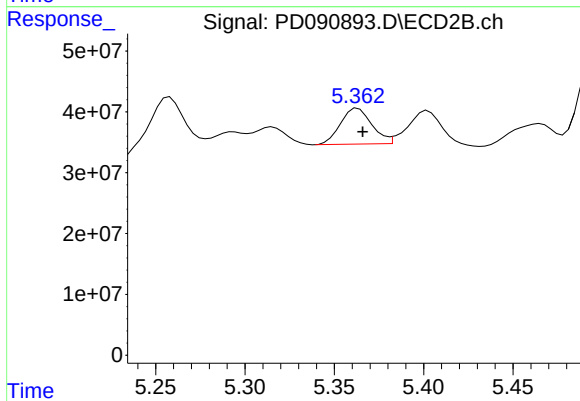
#1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.002 min  
Response: 610089746  
Conc: 20.49 ng/ml



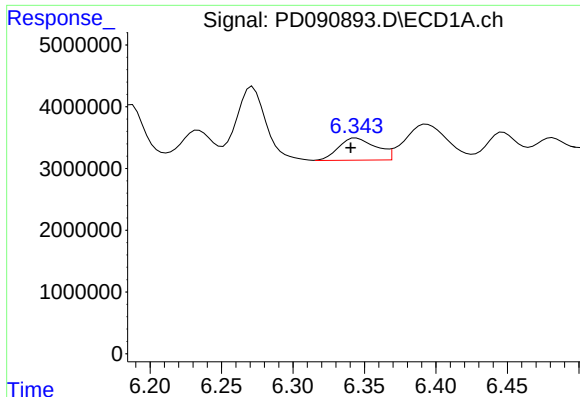
#12 4,4'-DDE

R.T.: 6.186 min  
Delta R.T.: -0.004 min  
Response: 10974014  
Conc: 2.06 ng/ml m



#12 4,4'-DDE

R.T.: 5.363 min  
Delta R.T.: -0.003 min  
Response: 71822582  
Conc: 1.64 ng/ml



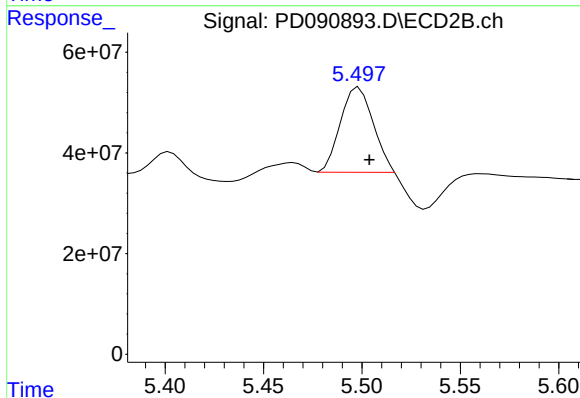
#13 Dieldrin

R.T.: 6.343 min  
Delta R.T.: 0.002 min  
Response: 6788963  
Conc: 1.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
B8-0.0-1.0-20251023

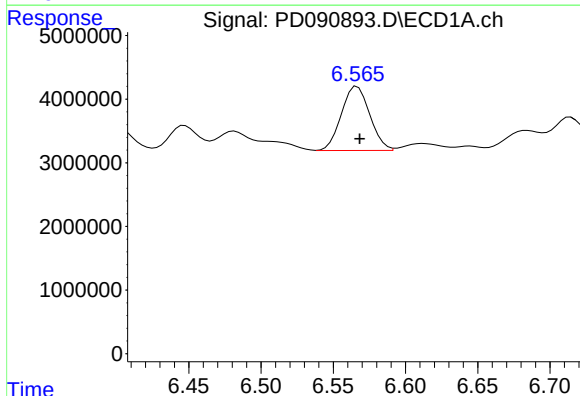
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025



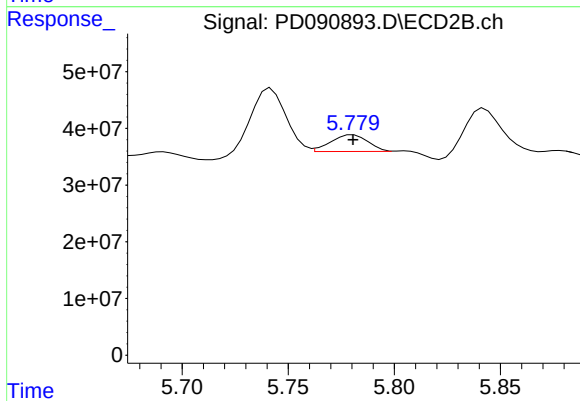
#13 Dieldrin

R.T.: 5.497 min  
Delta R.T.: -0.007 min  
Response: 196014773  
Conc: 4.44 ng/ml m



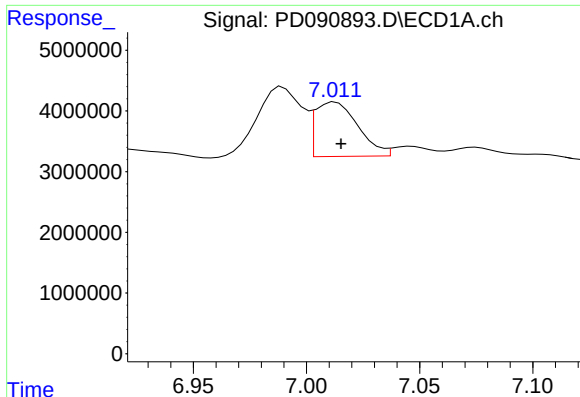
#14 Endrin

R.T.: 6.565 min  
Delta R.T.: -0.003 min  
Response: 13869953  
Conc: 2.80 ng/ml m



#14 Endrin

R.T.: 5.779 min  
Delta R.T.: -0.001 min  
Response: 35558814  
Conc: 0.88 ng/ml m



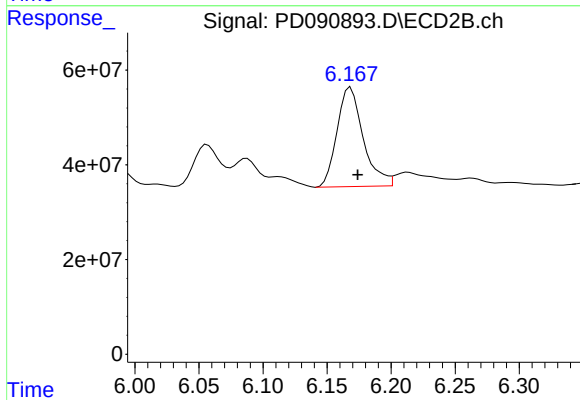
#17 4,4'-DDT

R.T.: 7.013 min  
Delta R.T.: -0.002 min  
Response: 11853626  
Conc: 2.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
B8-0.0-1.0-20251023

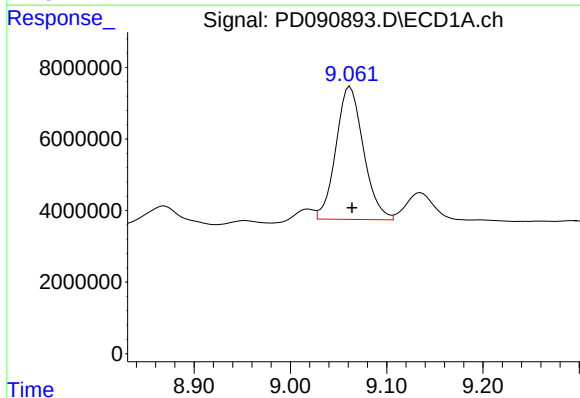
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025



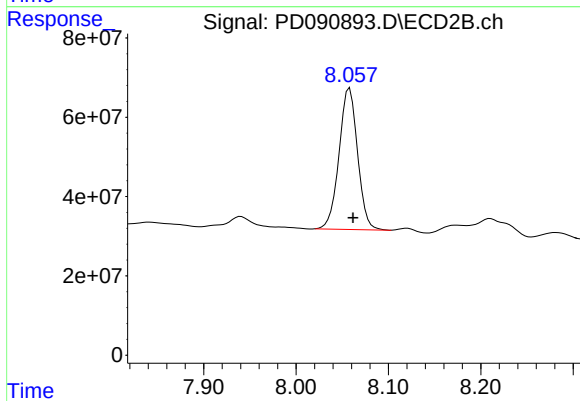
#17 4,4'-DDT

R.T.: 6.168 min  
Delta R.T.: -0.006 min  
Response: 299157703  
Conc: 8.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: -0.002 min  
Response: 73676133  
Conc: 15.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min  
Delta R.T.: -0.004 min  
Response: 496787354  
Conc: 16.40 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/23/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/24/25      |
| Client Sample ID:  | B9-0.0-1.0-20251023      |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | Q3466-05                 |            | Matrix:         | SOIL          |
| Analytical Method: | 8081B                    |            | % Solid:        | 83.2          |
| Sample Wt/Vol:     | 30.01 g                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       | SW3541                   | Prep Date  | 10/28/25        | Pesticide-TCL |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |                     |            |         |                |          |
| 319-84-6          | alpha-BHC            | 0.16  | U    | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 319-85-7          | beta-BHC             | 0.22  | U    | 1  | 0.22                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 319-86-8          | delta-BHC            | 0.47  | U    | 1  | 0.47                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.17  | U    | 1  | 0.17                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 76-44-8           | Heptachlor           | 0.14  | U    | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 309-00-2          | Aldrin               | 0.14  | U    | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 1024-57-3         | Heptachlor epoxide   | 0.52  | J    | 1  | 0.23                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 959-98-8          | Endosulfan I         | 0.17  | U    | 1  | 0.17                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 60-57-1           | Dieldrin             | 1.00  | JP   | 1  | 0.17                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 72-55-9           | 4,4-DDE              | 0.17  | U    | 1  | 0.17                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 72-20-8           | Endrin               | 0.33  | J    | 1  | 0.17                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 33213-65-9        | Endosulfan II        | 0.35  | U    | 1  | 0.35                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 72-54-8           | 4,4-DDD              | 0.18  | U    | 1  | 0.18                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 1031-07-8         | Endosulfan Sulfate   | 0.16  | U    | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 50-29-3           | 4,4-DDT              | 0.59  | J    | 1  | 0.17                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 72-43-5           | Methoxychlor         | 0.44  | U    | 1  | 0.44                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 53494-70-5        | Endrin ketone        | 0.23  | U    | 1  | 0.23                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 7421-93-4         | Endrin aldehyde      | 0.44  | U    | 1  | 0.44                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 5103-71-9         | alpha-Chlordane      | 3.40  | P    | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 5103-74-2         | gamma-Chlordane      | 1.20  | J    | 1  | 0.18                | 2.00       | ug/kg   | 10/28/25 19:27 | PB170283 |
| 8001-35-2         | Toxaphene            | 6.50  | U    | 1  | 6.50                | 39.7       | ug/kg   | 10/28/25 19:27 | PB170283 |
| <b>SURROGATES</b> |                      |       |      |    |                     |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 14.4  |      |    | 30 (20) - 150 (144) | 72%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 18.6  |      |    | 30 (19) - 150 (148) | 93%        | SPK: 20 |                |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090896.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 19:27  
 Operator : AR\AJ  
 Sample : Q3466-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 B9-0.0-1.0-20251023

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
 Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:47:01 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.542 | 2.873 | 57964616 | 553.6E6  | 18.613m | 18.590  |
| 28)                         | SA Decachlor... | 9.063 | 8.057 | 60041782 | 435.3E6  | 12.835  | 14.371  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 8)                          | B Heptachlo...  | 5.680 | 4.861 | 7539947  | 49304698 | 1.302m  | 1.156   |
| 10)                         | B gamma-Chl...  | 5.938 | 5.113 | 18226282 | 108.5E6  | 3.073   | 2.413m  |
| 11)                         | B alpha-Chl...  | 6.022 | 5.178 | 52868142 | 122.9E6  | 8.554m  | 2.850m# |
| 13)                         | MA Dieldrin     | 6.340 | 5.500 | 8182755  | 114.1E6  | 1.403   | 2.583m# |
| 14)                         | MA Endrin       | 6.567 | 5.777 | 4115697  | 23246362 | 0.831m  | 0.574m# |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.170 | 4235501  | 51663389 | 1.030   | 1.473 # |
| -----                       |                 |       |       |          |          |         |         |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090896.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 19:27  
Operator : AR\AJ  
Sample : Q3466-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

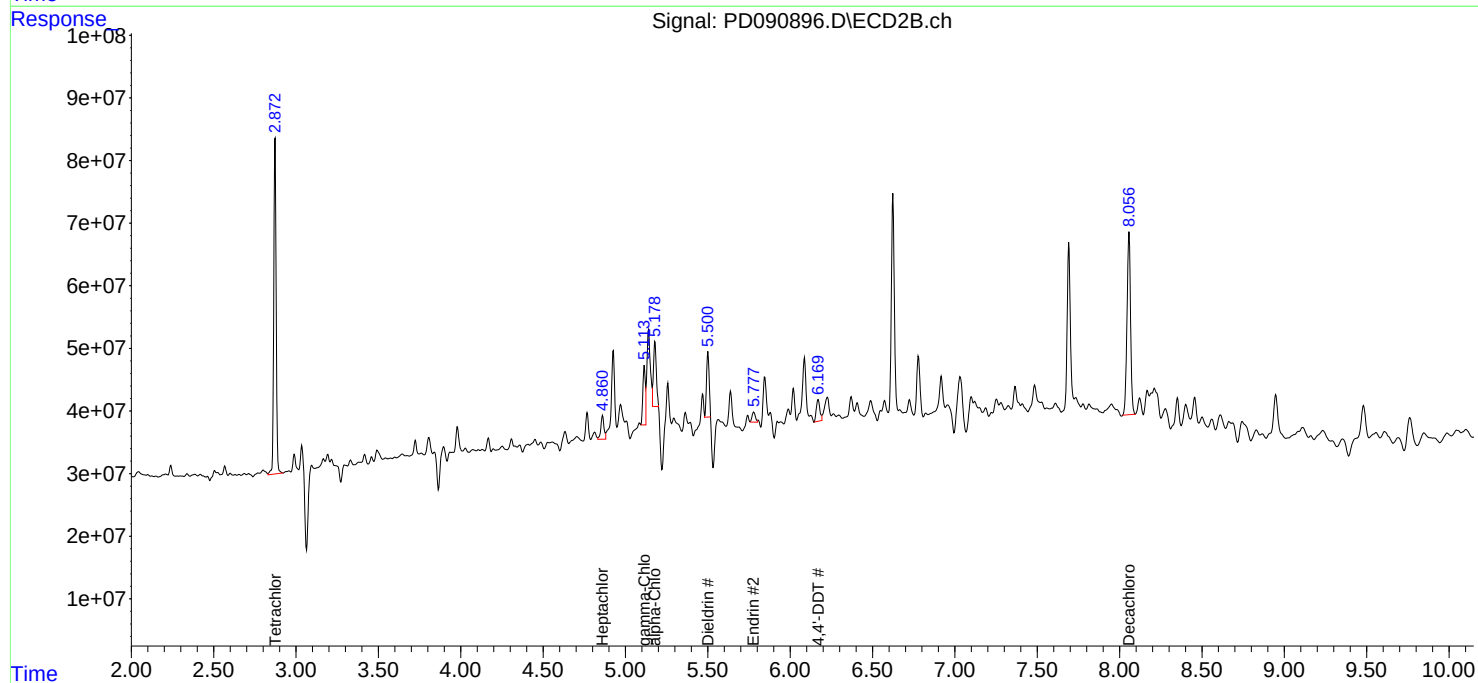
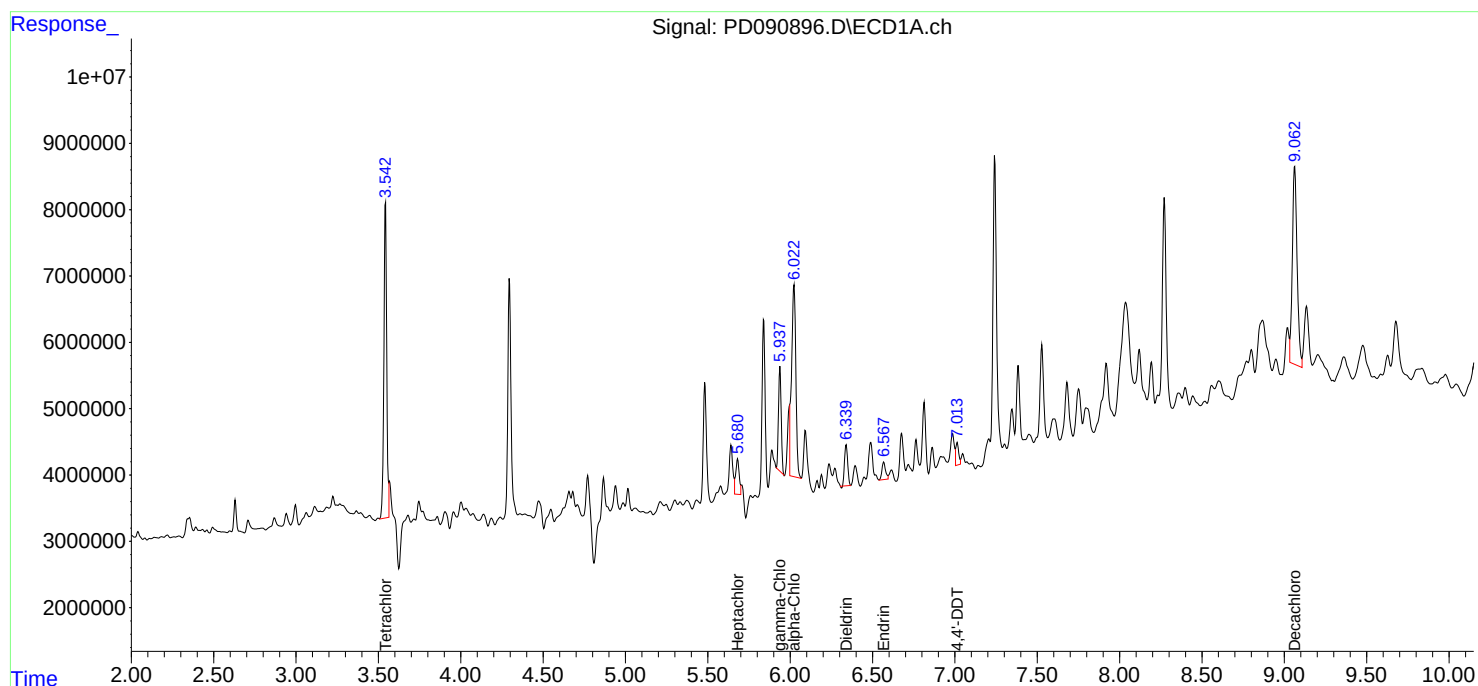
Instrument :  
ECD\_D  
ClientSampleId :  
B9-0.0-1.0-20251023

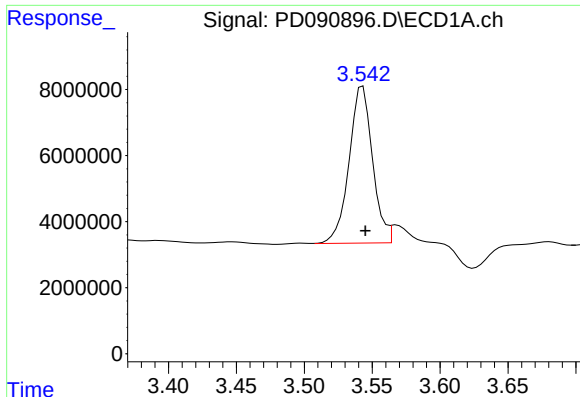
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:47:01 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





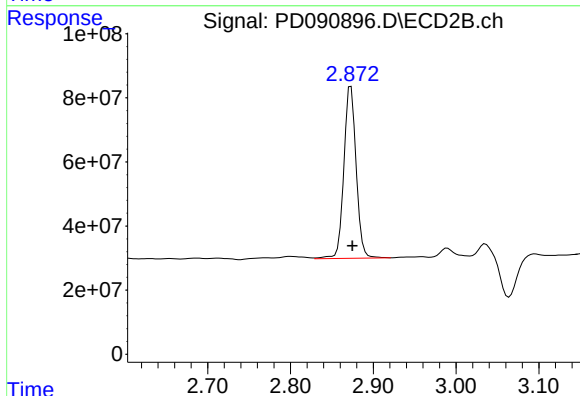
## #1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: -0.003 min  
Response: 57964616  
Conc: 18.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
B9-0.0-1.0-20251023

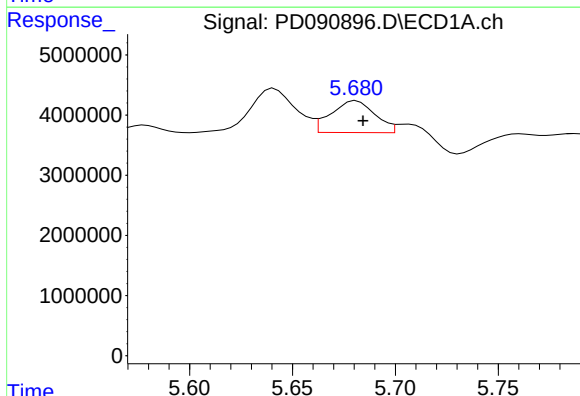
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025



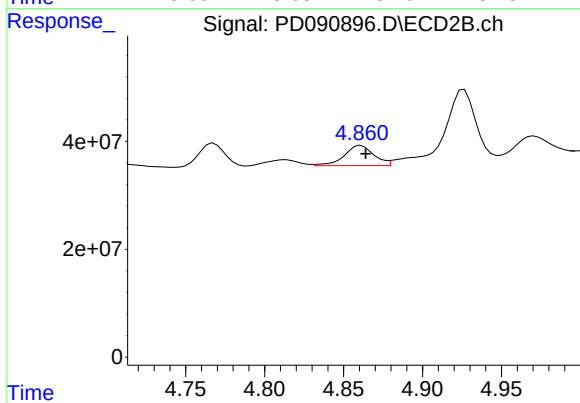
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.002 min  
Response: 553564589  
Conc: 18.59 ng/ml



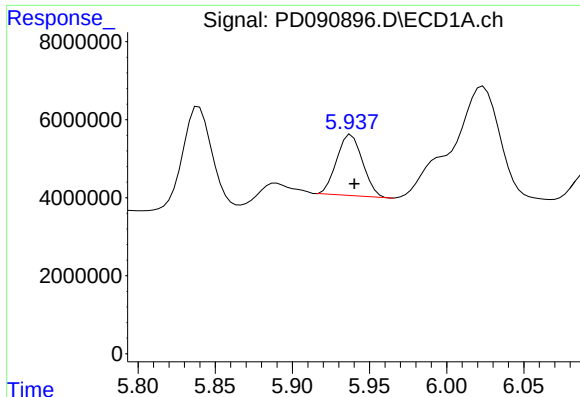
## #8 Heptachlor epoxide

R.T.: 5.680 min  
Delta R.T.: -0.005 min  
Response: 7539947  
Conc: 1.30 ng/ml m



## #8 Heptachlor epoxide

R.T.: 4.861 min  
Delta R.T.: -0.003 min  
Response: 49304698  
Conc: 1.16 ng/ml



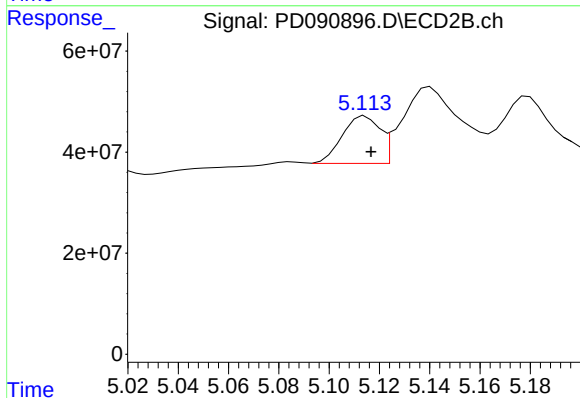
#10 gamma-Chlordane

R.T.: 5.938 min  
Delta R.T.: -0.002 min  
Response: 18226282  
Conc: 3.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
B9-0.0-1.0-20251023

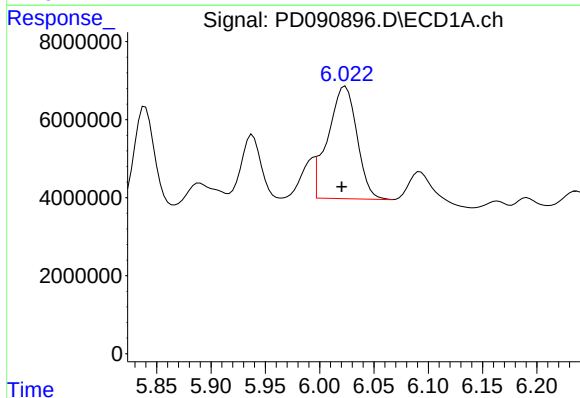
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025



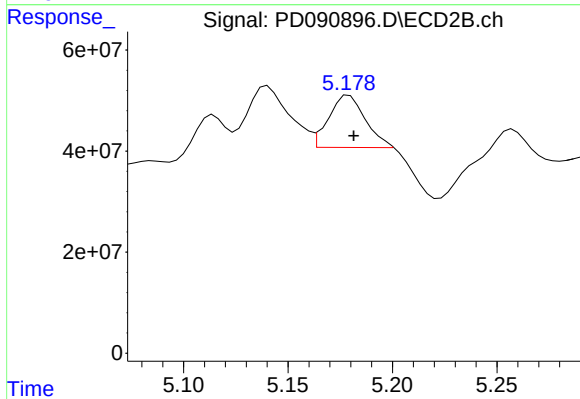
#10 gamma-Chlordane

R.T.: 5.113 min  
Delta R.T.: -0.004 min  
Response: 108454919  
Conc: 2.41 ng/ml m



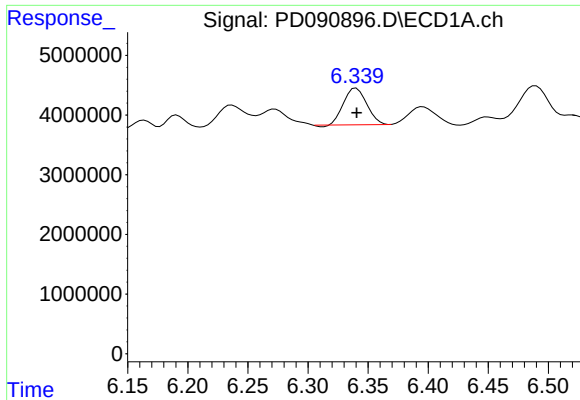
#11 alpha-Chlordane

R.T.: 6.022 min  
Delta R.T.: 0.002 min  
Response: 52868142  
Conc: 8.55 ng/ml m



#11 alpha-Chlordane

R.T.: 5.178 min  
Delta R.T.: -0.004 min  
Response: 122928747  
Conc: 2.85 ng/ml m



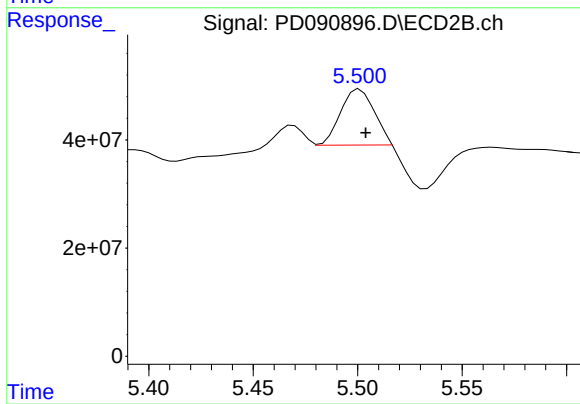
#13 Dieldrin

R.T.: 6.340 min  
 Delta R.T.: 0.000 min  
 Response: 8182755  
 Conc: 1.40 ng/ml

Instrument :  
 ECD\_D  
 ClientSampleId :  
 B9-0.0-1.0-20251023

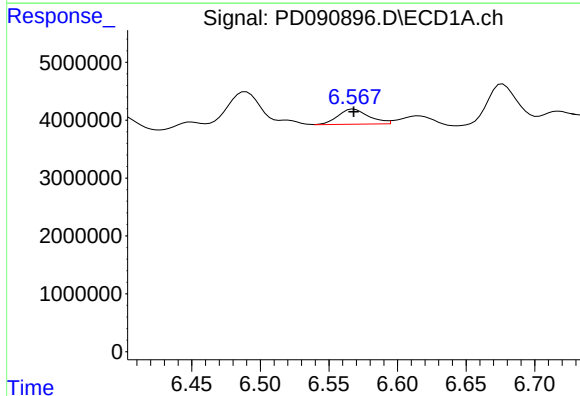
Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
 Supervised By :Sohil Jodhani 10/29/2025



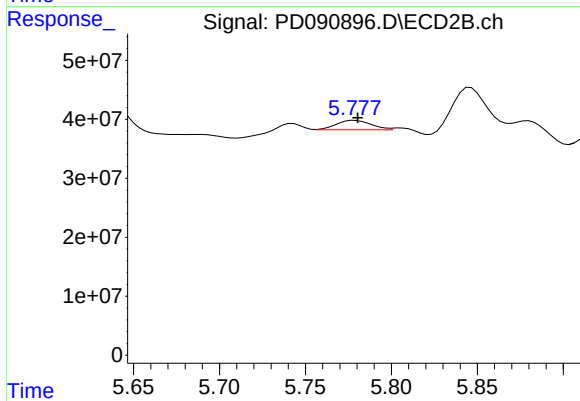
#13 Dieldrin

R.T.: 5.500 min  
 Delta R.T.: -0.004 min  
 Response: 114105285  
 Conc: 2.58 ng/ml m



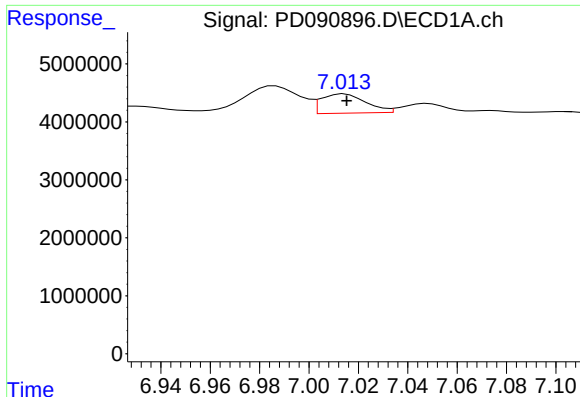
#14 Endrin

R.T.: 6.567 min  
 Delta R.T.: -0.001 min  
 Response: 4115697  
 Conc: 0.83 ng/ml m



#14 Endrin

R.T.: 5.777 min  
 Delta R.T.: -0.003 min  
 Response: 23246362  
 Conc: 0.57 ng/ml m



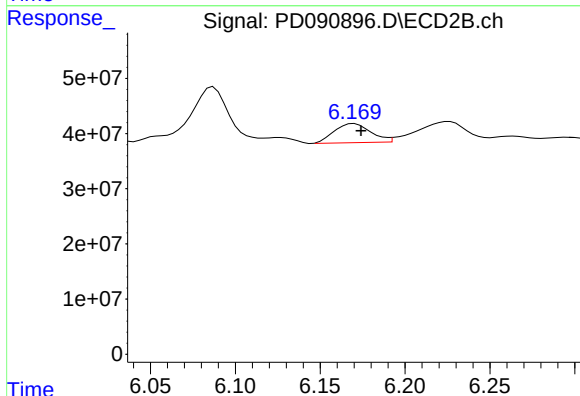
#17 4,4'-DDT

R.T.: 7.015 min  
Delta R.T.: 0.000 min  
Response: 4235501  
Conc: 1.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
B9-0.0-1.0-20251023

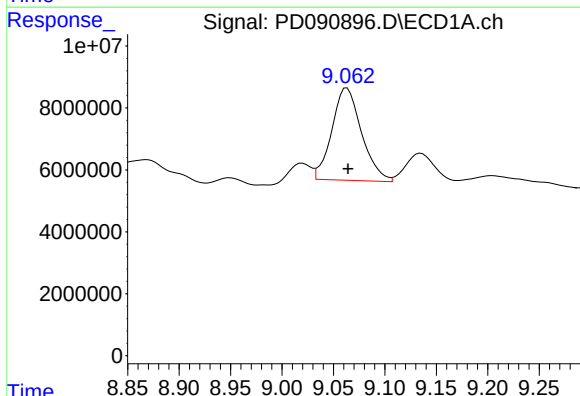
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025



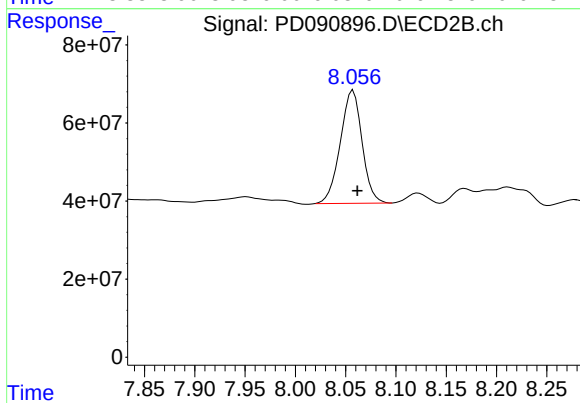
#17 4,4'-DDT

R.T.: 6.170 min  
Delta R.T.: -0.004 min  
Response: 51663389  
Conc: 1.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min  
Delta R.T.: -0.001 min  
Response: 60041782  
Conc: 12.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.057 min  
Delta R.T.: -0.004 min  
Response: 435322583  
Conc: 14.37 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/23/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/24/25      |
| Client Sample ID:  | B7-1.0-2.0-20251023      |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | Q3466-07                 |            | Matrix:         | SOIL          |
| Analytical Method: | 8081B                    |            | % Solid:        | 89.2          |
| Sample Wt/Vol:     | 30.05 g                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       | SW3541                   | Prep Date  | 10/28/25        | Pesticide-TCL |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |                     |            |         |                |          |
| 319-84-6          | alpha-BHC            | 0.15  | U    | 1  | 0.15                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 319-85-7          | beta-BHC             | 0.20  | U    | 1  | 0.20                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 319-86-8          | delta-BHC            | 0.44  | U    | 1  | 0.44                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.16  | U    | 1  | 0.16                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 76-44-8           | Heptachlor           | 0.13  | U    | 1  | 0.13                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 309-00-2          | Aldrin               | 0.13  | U    | 1  | 0.13                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 1024-57-3         | Heptachlor epoxide   | 0.21  | U    | 1  | 0.21                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 959-98-8          | Endosulfan I         | 0.16  | U    | 1  | 0.16                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 60-57-1           | Dieldrin             | 0.16  | U    | 1  | 0.16                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 72-55-9           | 4,4-DDE              | 0.16  | U    | 1  | 0.16                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 72-20-8           | Endrin               | 0.16  | U    | 1  | 0.16                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 33213-65-9        | Endosulfan II        | 0.32  | U    | 1  | 0.32                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 72-54-8           | 4,4-DDD              | 0.17  | U    | 1  | 0.17                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 1031-07-8         | Endosulfan Sulfate   | 0.15  | U    | 1  | 0.15                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 50-29-3           | 4,4-DDT              | 0.16  | U    | 1  | 0.16                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 72-43-5           | Methoxychlor         | 0.41  | U    | 1  | 0.41                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 53494-70-5        | Endrin ketone        | 0.21  | U    | 1  | 0.21                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 7421-93-4         | Endrin aldehyde      | 0.41  | U    | 1  | 0.41                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 5103-71-9         | alpha-Chlordane      | 0.13  | U    | 1  | 0.13                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 5103-74-2         | gamma-Chlordane      | 0.17  | U    | 1  | 0.17                | 1.90       | ug/kg   | 10/28/25 19:41 | PB170283 |
| 8001-35-2         | Toxaphene            | 6.10  | U    | 1  | 6.10                | 36.9       | ug/kg   | 10/28/25 19:41 | PB170283 |
| <b>SURROGATES</b> |                      |       |      |    |                     |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 11.7  |      |    | 30 (20) - 150 (144) | 59%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 13.8  |      |    | 30 (19) - 150 (148) | 69%        | SPK: 20 |                |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090897.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 19:41  
Operator : AR\AJ  
Sample : Q3466-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
B7-1.0-2.0-20251023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:47:10 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.543 | 2.873 | 41732172 | 410.1E6 | 13.401 | 13.773 |
| 2)                          | SA Decachlor... | 9.062 | 8.058 | 54881875 | 297.1E6 | 11.732 | 9.808  |

Target Compounds

-----

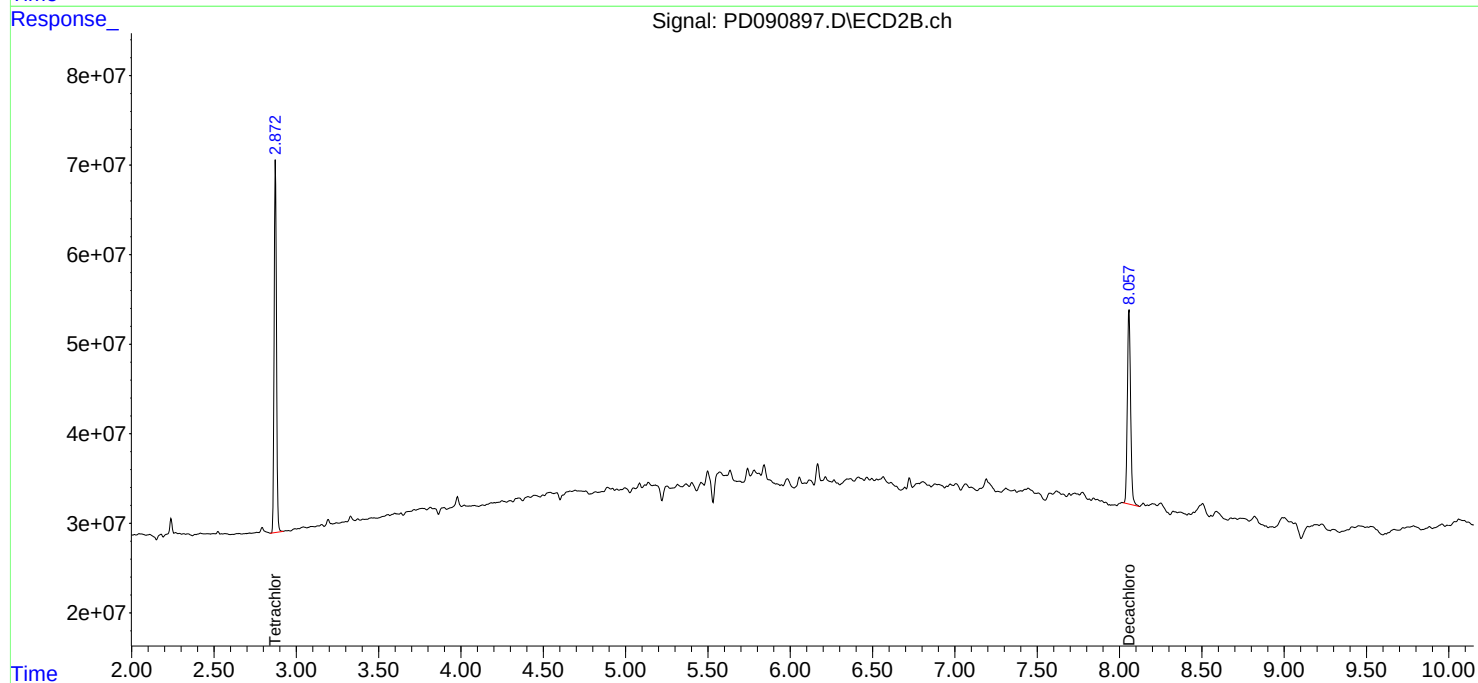
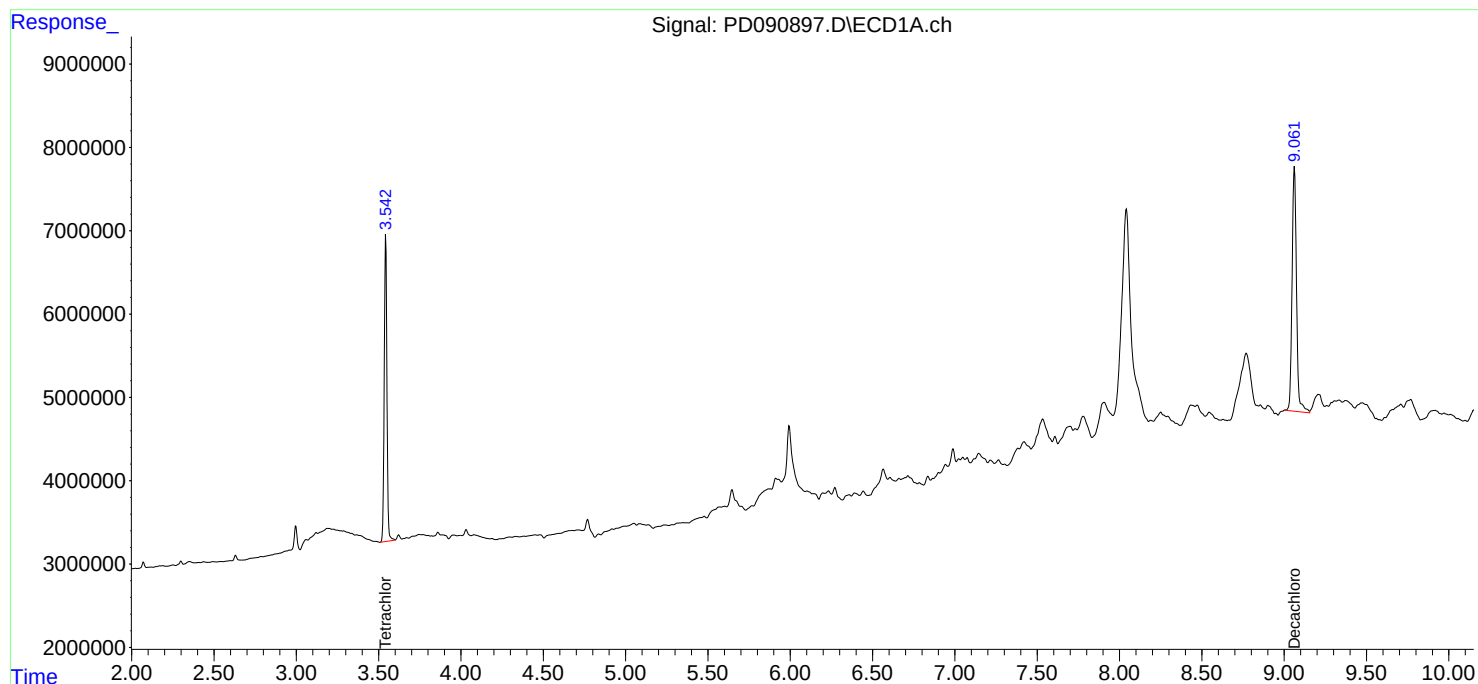
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

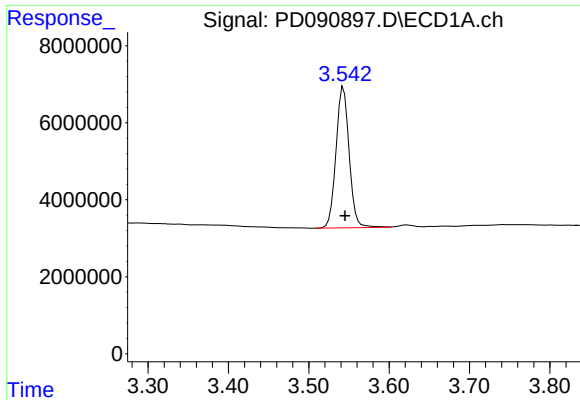
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090897.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 19:41  
Operator : AR\AJ  
Sample : Q3466-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
B7-1.0-2.0-20251023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:47:10 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

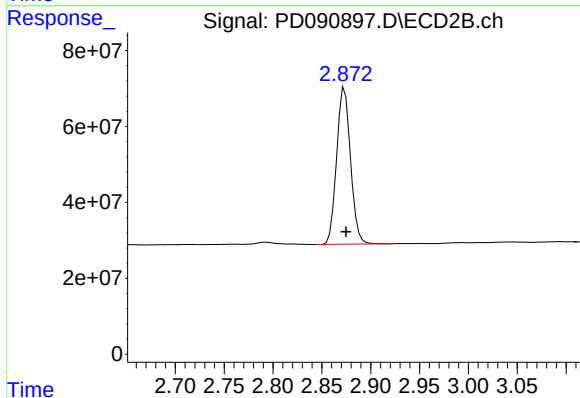




## #1 Tetrachloro-m-xylene

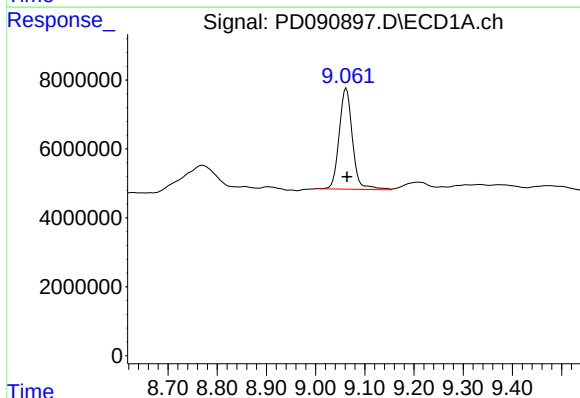
R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 41732172  
Conc: 13.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
B7-1.0-2.0-20251023



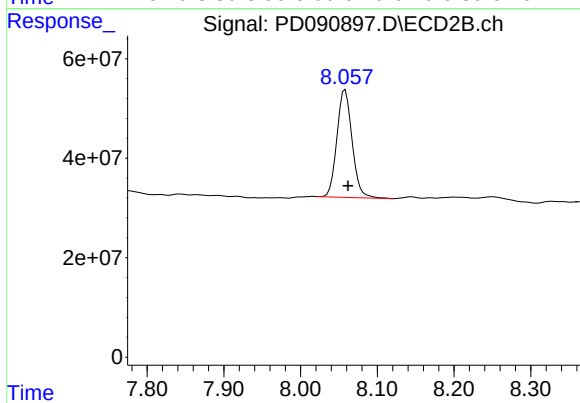
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 410109031  
Conc: 13.77 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: -0.002 min  
Response: 54881875  
Conc: 11.73 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.058 min  
Delta R.T.: -0.004 min  
Response: 297100088  
Conc: 9.81 ng/ml



# CALIBRATION SUMMARY

## RETENTION TIMES OF INITIAL CALIBRATION

|                       |                 |                             |                                     |
|-----------------------|-----------------|-----------------------------|-------------------------------------|
| <b>Lab Name:</b>      | <u>Alliance</u> | <b>Contract:</b>            | <u>HDRI08</u>                       |
| <b>Lab Code:</b>      | <u>ACE</u>      | <b>SDG NO.:</b>             | <u>Q3466</u>                        |
| <b>Instrument ID:</b> | <u>ECD_D</u>    | <b>Calibration Date(s):</b> | <u>10/17/2025</u> <u>10/17/2025</u> |
|                       |                 | <b>Calibration Times:</b>   | <u>11:34</u> <u>12:28</u>           |

 GC Column: ZB-MR1      ID: 0.32 (mm)

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 100 =</b> <u>PD090650.D</u> | <b>RT 075 =</b> <u>PD090651.D</u> |
| <b>RT 050 =</b> <u>PD090652.D</u> | <b>RT 025 =</b> <u>PD090653.D</u> | <b>RT 005 =</b> <u>PD090654.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 6.70   | 6.70   | 6.70   | 6.70   | 6.70   | 6.70       | 6.60      | 6.80 |
| 4,4'-DDE             | 6.19   | 6.19   | 6.19   | 6.19   | 6.19   | 6.19       | 6.09      | 6.29 |
| 4,4'-DDT             | 7.02   | 7.02   | 7.02   | 7.02   | 7.02   | 7.02       | 6.92      | 7.12 |
| Aldrin               | 5.26   | 5.27   | 5.26   | 5.26   | 5.26   | 5.26       | 5.16      | 5.36 |
| alpha-BHC            | 3.99   | 3.99   | 3.99   | 3.99   | 3.99   | 3.99       | 3.89      | 4.09 |
| alpha-Chlordane      | 6.02   | 6.02   | 6.02   | 6.02   | 6.02   | 6.02       | 5.92      | 6.12 |
| beta-BHC             | 4.51   | 4.51   | 4.51   | 4.51   | 4.51   | 4.51       | 4.41      | 4.61 |
| Decachlorobiphenyl   | 9.07   | 9.07   | 9.06   | 9.07   | 9.07   | 9.07       | 8.97      | 9.17 |
| delta-BHC            | 4.76   | 4.76   | 4.76   | 4.76   | 4.76   | 4.76       | 4.66      | 4.86 |
| Dieldrin             | 6.34   | 6.34   | 6.34   | 6.34   | 6.34   | 6.34       | 6.24      | 6.44 |
| Endosulfan I         | 6.07   | 6.07   | 6.07   | 6.07   | 6.07   | 6.07       | 5.97      | 6.17 |
| Endosulfan II        | 6.78   | 6.78   | 6.78   | 6.78   | 6.78   | 6.78       | 6.68      | 6.88 |
| Endosulfan sulfate   | 7.15   | 7.15   | 7.15   | 7.14   | 7.14   | 7.14       | 7.04      | 7.24 |
| Endrin               | 6.57   | 6.57   | 6.57   | 6.57   | 6.57   | 6.57       | 6.47      | 6.67 |
| Endrin aldehyde      | 6.91   | 6.91   | 6.91   | 6.91   | 6.91   | 6.91       | 6.81      | 7.01 |
| Endrin ketone        | 7.63   | 7.63   | 7.63   | 7.63   | 7.62   | 7.62       | 7.52      | 7.72 |
| gamma-BHC (Lindane)  | 4.32   | 4.33   | 4.33   | 4.32   | 4.32   | 4.32       | 4.22      | 4.42 |
| gamma-Chlordane      | 5.94   | 5.94   | 5.94   | 5.94   | 5.94   | 5.94       | 5.84      | 6.04 |
| Heptachlor           | 4.92   | 4.92   | 4.92   | 4.92   | 4.92   | 4.92       | 4.82      | 5.02 |
| Heptachlor epoxide   | 5.69   | 5.69   | 5.68   | 5.68   | 5.68   | 5.68       | 5.58      | 5.78 |
| Methoxychlor         | 7.49   | 7.49   | 7.49   | 7.49   | 7.49   | 7.49       | 7.39      | 7.59 |
| Tetrachloro-m-xylene | 3.54   | 3.55   | 3.55   | 3.54   | 3.54   | 3.54       | 3.44      | 3.64 |

## RETENTION TIMES OF INITIAL CALIBRATION

|                       |                 |                             |                                     |
|-----------------------|-----------------|-----------------------------|-------------------------------------|
| <b>Lab Name:</b>      | <u>Alliance</u> | <b>Contract:</b>            | <u>HDRI08</u>                       |
| <b>Lab Code:</b>      | <u>ACE</u>      | <b>SDG NO.:</b>             | <u>Q3466</u>                        |
| <b>Instrument ID:</b> | <u>ECD_D</u>    | <b>Calibration Date(s):</b> | <u>10/17/2025</u> <u>10/17/2025</u> |
|                       |                 | <b>Calibration Times:</b>   | <u>11:34</u> <u>12:28</u>           |

 GC Column: ZB-MR2      ID: 0.32 (mm)

|                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 100 =</b> <u>PD090650.D</u> | <b>RT 075 =</b> <u>PD090651.D</u> |
| <b>RT 050 =</b> <u>PD090652.D</u> | <b>RT 025 =</b> <u>PD090653.D</u> | <b>RT 005 =</b> <u>PD090654.D</u> |

| COMPOUND             | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN<br>RT | RT WINDOW |      |
|----------------------|--------|--------|--------|--------|--------|------------|-----------|------|
|                      |        |        |        |        |        |            | FROM      | TO   |
| 4,4'-DDD             | 5.92   | 5.92   | 5.92   | 5.92   | 5.92   | 5.92       | 5.82      | 6.02 |
| 4,4'-DDE             | 5.37   | 5.37   | 5.37   | 5.37   | 5.37   | 5.37       | 5.27      | 5.47 |
| 4,4'-DDT             | 6.17   | 6.18   | 6.17   | 6.17   | 6.18   | 6.17       | 6.07      | 6.27 |
| Aldrin               | 4.36   | 4.36   | 4.36   | 4.36   | 4.36   | 4.36       | 4.26      | 4.46 |
| alpha-BHC            | 3.39   | 3.39   | 3.39   | 3.39   | 3.39   | 3.39       | 3.29      | 3.49 |
| alpha-Chlordane      | 5.18   | 5.18   | 5.18   | 5.18   | 5.18   | 5.18       | 5.08      | 5.28 |
| beta-BHC             | 4.02   | 4.02   | 4.02   | 4.02   | 4.02   | 4.02       | 3.92      | 4.12 |
| Decachlorobiphenyl   | 8.06   | 8.06   | 8.06   | 8.06   | 8.06   | 8.06       | 7.96      | 8.16 |
| delta-BHC            | 4.26   | 4.26   | 4.26   | 4.26   | 4.26   | 4.26       | 4.16      | 4.36 |
| Dieldrin             | 5.50   | 5.50   | 5.50   | 5.50   | 5.50   | 5.50       | 5.40      | 5.60 |
| Endosulfan I         | 5.24   | 5.24   | 5.24   | 5.24   | 5.24   | 5.24       | 5.14      | 5.34 |
| Endosulfan II        | 6.07   | 6.07   | 6.07   | 6.07   | 6.07   | 6.07       | 5.97      | 6.17 |
| Endosulfan sulfate   | 6.47   | 6.47   | 6.47   | 6.47   | 6.47   | 6.47       | 6.37      | 6.57 |
| Endrin               | 5.78   | 5.78   | 5.78   | 5.78   | 5.78   | 5.78       | 5.68      | 5.88 |
| Endrin aldehyde      | 6.25   | 6.25   | 6.25   | 6.25   | 6.25   | 6.25       | 6.15      | 6.35 |
| Endrin ketone        | 6.98   | 6.98   | 6.98   | 6.98   | 6.98   | 6.98       | 6.88      | 7.08 |
| gamma-BHC (Lindane)  | 3.72   | 3.72   | 3.72   | 3.72   | 3.72   | 3.72       | 3.62      | 3.82 |
| gamma-Chlordane      | 5.12   | 5.12   | 5.12   | 5.12   | 5.12   | 5.12       | 5.02      | 5.22 |
| Heptachlor           | 4.08   | 4.08   | 4.08   | 4.07   | 4.08   | 4.07       | 3.97      | 4.17 |
| Heptachlor epoxide   | 4.86   | 4.87   | 4.86   | 4.86   | 4.86   | 4.86       | 4.76      | 4.96 |
| Methoxychlor         | 6.75   | 6.75   | 6.75   | 6.74   | 6.75   | 6.74       | 6.64      | 6.84 |
| Tetrachloro-m-xylene | 2.87   | 2.88   | 2.88   | 2.87   | 2.87   | 2.87       | 2.77      | 2.97 |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

### CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Instrument ID: ECD\_D

Calibration Date(s): 10/17/2025 10/17/2025

Calibration Times: 11:34 12:28

GC Column: ZB-MR1

ID: 0.32 (mm)

| LAB FILE ID:         |                   | CF 100 =   | <u>PD090650.D</u> | CF 075 =   | <u>PD090651.D</u> |            |          |
|----------------------|-------------------|------------|-------------------|------------|-------------------|------------|----------|
| CF 050 =             | <u>PD090652.D</u> | CF 025 =   | <u>PD090653.D</u> | CF 005 =   | <u>PD090654.D</u> |            |          |
| COMPOUND             | CF 100            | CF 075     | CF 050            | CF 025     | CF 005            | CF         | %<br>RSD |
| 4,4'-DDD             | 4150980000        | 4075270000 | 4055470000        | 3840760000 | 4148570000        | 4054210000 | 3        |
| 4,4'-DDE             | 5435610000        | 5370750000 | 5317610000        | 5053060000 | 5456160000        | 5326640000 | 3        |
| 4,4'-DDT             | 4256810000        | 4152600000 | 4117930000        | 3927880000 | 4097130000        | 4110470000 | 3        |
| Aldrin               | 6694230000        | 6562230000 | 6516940000        | 6238140000 | 6724820000        | 6547270000 | 3        |
| alpha-BHC            | 7752530000        | 7402380000 | 7252210000        | 6743070000 | 6735520000        | 7177140000 | 6        |
| alpha-Chlordane      | 5966070000        | 5905470000 | 5938650000        | 6170460000 | 6920630000        | 6180250000 | 7        |
| beta-BHC             | 2515210000        | 2489310000 | 2540370000        | 2560620000 | 2992650000        | 2619630000 | 8        |
| Decachlorobiphenyl   | 4361180000        | 4315270000 | 4506230000        | 4707060000 | 5500070000        | 4677960000 | 10       |
| delta-BHC            | 7169260000        | 6905720000 | 6771510000        | 6342450000 | 6619680000        | 6761720000 | 5        |
| Dieldrin             | 5929890000        | 5841940000 | 5818180000        | 5550330000 | 6016400000        | 5831350000 | 3        |
| Endosulfan I         | 5452270000        | 5404490000 | 5449050000        | 5348660000 | 6028770000        | 5536650000 | 5        |
| Endosulfan II        | 4873230000        | 4835950000 | 4885080000        | 4789750000 | 5615800000        | 4999960000 | 7        |
| Endosulfan sulfate   | 4557060000        | 4504850000 | 4556170000        | 4479960000 | 5092920000        | 4638190000 | 6        |
| Endrin               | 5035940000        | 4962910000 | 4938250000        | 4711180000 | 5120260000        | 4953710000 | 3        |
| Endrin aldehyde      | 3505880000        | 3507960000 | 3571680000        | 3579710000 | 4148280000        | 3662700000 | 7        |
| Endrin ketone        | 4819770000        | 4736510000 | 4782320000        | 4695250000 | 5260400000        | 4858850000 | 5        |
| gamma-BHC (Lindane)  | 7185880000        | 6905860000 | 6799650000        | 6417980000 | 6684750000        | 6798820000 | 4        |
| gamma-Chlordane      | 5972450000        | 5894040000 | 5855640000        | 5592670000 | 6341090000        | 5931180000 | 5        |
| Heptachlor           | 5757910000        | 5597510000 | 5545540000        | 5288860000 | 5757970000        | 5589560000 | 3        |
| Heptachlor epoxide   | 5795570000        | 5708170000 | 5718680000        | 5584980000 | 6137920000        | 5789060000 | 4        |
| Methoxychlor         | 2050060000        | 2015340000 | 2078640000        | 2094570000 | 2389310000        | 2125590000 | 7        |
| Tetrachloro-m-xylene | 3010860000        | 2951180000 | 3030100000        | 3124300000 | 3454390000        | 3114160000 | 6        |



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### CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance  
Lab Code: ACE  
Instrument ID: ECD\_D

Contract: HDRI08  
SDG NO.: Q3466

Calibration Date(s): 10/17/2025 10/17/2025  
Calibration Times: 11:34 12:28

GC Column: ZB-MR2 ID: 0.32 (mm)

| LAB FILE ID:         |             | CF 100 =          | <u>PD090650.D</u> | CF 075 =          | <u>PD090651.D</u> |                   |       |
|----------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| CF 050 =             |             | <u>PD090652.D</u> | CF 025 =          | <u>PD090653.D</u> | CF 005 =          | <u>PD090654.D</u> |       |
| COMPOUND             | CF 100      | CF 075            | CF 050            | CF 025            | CF 005            | CF                | % RSD |
| 4,4'-DDD             | 33708900000 | 34309400000       | 35560900000       | 36237500000       | 42373300000       | 36438000000       | 10    |
| 4,4'-DDE             | 40500800000 | 41191000000       | 42548600000       | 43577200000       | 51373700000       | 43838300000       | 10    |
| 4,4'-DDT             | 33888000000 | 33982600000       | 34868200000       | 34959100000       | 37667600000       | 35073100000       | 4     |
| Aldrin               | 43083800000 | 43574800000       | 45033800000       | 46172400000       | 53729700000       | 46318900000       | 9     |
| alpha-BHC            | 49118000000 | 48392000000       | 49683700000       | 50500300000       | 57784900000       | 51095800000       | 7     |
| alpha-Chlordane      | 40004000000 | 40550200000       | 41893000000       | 42708900000       | 50532500000       | 43137700000       | 10    |
| beta-BHC             | 18296700000 | 18365500000       | 19080800000       | 19804100000       | 23600800000       | 19829500000       | 11    |
| Decachlorobiphenyl   | 28856800000 | 28247200000       | 29308000000       | 30057200000       | 34987600000       | 30291400000       | 9     |
| delta-BHC            | 45324900000 | 45220200000       | 46466400000       | 47155800000       | 54416000000       | 47716700000       | 8     |
| Dieldrin             | 40601100000 | 41425500000       | 43096200000       | 44203200000       | 51593900000       | 44184000000       | 10    |
| Endosulfan I         | 35728600000 | 36586400000       | 38185700000       | 39478600000       | 46972400000       | 39390300000       | 11    |
| Endosulfan II        | 34269700000 | 34968100000       | 36432200000       | 37520200000       | 44587200000       | 37555500000       | 11    |
| Endosulfan sulfate   | 32963400000 | 33538900000       | 34960800000       | 35861000000       | 41900900000       | 35845000000       | 10    |
| Endrin               | 36902000000 | 37827400000       | 39400900000       | 40693000000       | 47646500000       | 40494000000       | 11    |
| Endrin aldehyde      | 25110900000 | 25739400000       | 26893100000       | 27767400000       | 32953200000       | 27692800000       | 11    |
| Endrin ketone        | 34460000000 | 35020500000       | 36550700000       | 37816700000       | 44740900000       | 37717800000       | 11    |
| gamma-BHC (Lindane)  | 44964800000 | 44604900000       | 45972800000       | 46808300000       | 53893500000       | 47248900000       | 8     |
| gamma-Chlordane      | 41920800000 | 42422300000       | 43748100000       | 44346600000       | 52306700000       | 44948900000       | 9     |
| Heptachlor           | 41272300000 | 41810600000       | 43239300000       | 44502900000       | 52189000000       | 44602800000       | 10    |
| Heptachlor epoxide   | 38203400000 | 38891500000       | 40672900000       | 42374400000       | 53052500000       | 42639000000       | 14    |
| Methoxychlor         | 16116900000 | 16316400000       | 17198900000       | 17735100000       | 19771700000       | 17427800000       | 8     |
| Tetrachloro-m-xylene | 27903400000 | 27689100000       | 28617400000       | 29726500000       | 34949400000       | 29777100000       | 10    |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

Instrument ID: ECD\_D Date(s) Analyzed: 10/17/2025 10/17/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 6.24 | 6.14      | 6.34 | 32564400              |
|           |                | 2    | 6.44 | 6.34      | 6.54 | 48621800              |
|           |                | 3    | 7.14 | 7.04      | 7.24 | 85710600              |
|           |                | 4    | 7.56 | 7.46      | 7.66 | 95737400              |
|           |                | 5    | 7.92 | 7.82      | 8.02 | 60480500              |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** HDRI08  
**Lab Code:** ACE **SDG NO.:** Q3466  
**Instrument ID:** ECD\_D **Date(s) Analyzed:** 10/17/2025 10/17/2025  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| COMPOUND  | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|-----------|----------------|------|------|-----------|------|-----------------------|
|           |                |      |      | FROM      | TO   |                       |
| Toxaphene | 500            | 1    | 5.47 | 5.37      | 5.57 | 263702000             |
|           |                | 2    | 5.64 | 5.54      | 5.74 | 176560000             |
|           |                | 3    | 6.75 | 6.65      | 6.85 | 658883000             |
|           |                | 4    | 7.19 | 7.09      | 7.29 | 495104000             |
|           |                | 5    | 7.32 | 7.22      | 7.42 | 246033000             |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090650.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 11:34  
 Operator : AR\AJ  
 Sample : PSTDICC100  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC100

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:33:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|---------|--------|
| -----                       |                 |       |       |         |          |         |        |
| System Monitoring Compounds |                 |       |       |         |          |         |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 301.1E6 | 2790.3E6 | 99.682  | 98.737 |
| 2)                          | SA Decachlor... | 9.066 | 8.061 | 436.1E6 | 2885.7E6 | 98.364  | 99.224 |
| Target Compounds            |                 |       |       |         |          |         |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.386 | 775.3E6 | 4911.8E6 | 103.334 | 99.427 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.722 | 718.6E6 | 4496.5E6 | 102.762 | 98.892 |
| 4)                          | MA Heptachlor   | 4.922 | 4.075 | 575.8E6 | 4127.2E6 | 101.879 | 97.673 |
| 5)                          | MB Aldrin       | 5.264 | 4.360 | 669.4E6 | 4308.4E6 | 101.342 | 97.787 |
| 6)                          | B beta-BHC      | 4.511 | 4.019 | 251.5E6 | 1829.7E6 | 99.502  | 97.902 |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 716.9E6 | 4532.5E6 | 102.853 | 98.756 |
| 8)                          | B Heptachlo...  | 5.685 | 4.864 | 579.6E6 | 3820.3E6 | 100.668 | 96.869 |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 545.2E6 | 3572.9E6 | 100.030 | 96.676 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 597.2E6 | 4192.1E6 | 100.988 | 97.867 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.181 | 596.6E6 | 4000.4E6 | 100.230 | 97.693 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 543.6E6 | 4050.1E6 | 101.097 | 97.534 |
| 13)                         | MA Dieldrin     | 6.341 | 5.504 | 593.0E6 | 4060.1E6 | 100.951 | 97.019 |
| 14)                         | MA Endrin       | 6.568 | 5.780 | 503.6E6 | 3690.2E6 | 100.979 | 96.725 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 487.3E6 | 3427.0E6 | 99.879  | 96.941 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.920 | 415.1E6 | 3370.9E6 | 101.164 | 97.326 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.174 | 425.7E6 | 3388.8E6 | 101.658 | 98.574 |
| 18)                         | B Endrin al...  | 6.910 | 6.250 | 350.6E6 | 2511.1E6 | 99.070  | 96.573 |
| 19)                         | B Endosulfa...  | 7.145 | 6.474 | 455.7E6 | 3296.3E6 | 100.010 | 97.059 |
| 20)                         | A Methoxychlor  | 7.489 | 6.745 | 205.0E6 | 1611.7E6 | 99.308  | 96.752 |
| 21)                         | B Endrin ke...  | 7.625 | 6.982 | 482.0E6 | 3446.0E6 | 100.390 | 97.056 |
| 22)                         | Mirex           | 8.107 | 7.175 | 295.5E6 | 2331.6E6 | 97.723  | 97.238 |
| -----                       |                 |       |       |         |          |         |        |

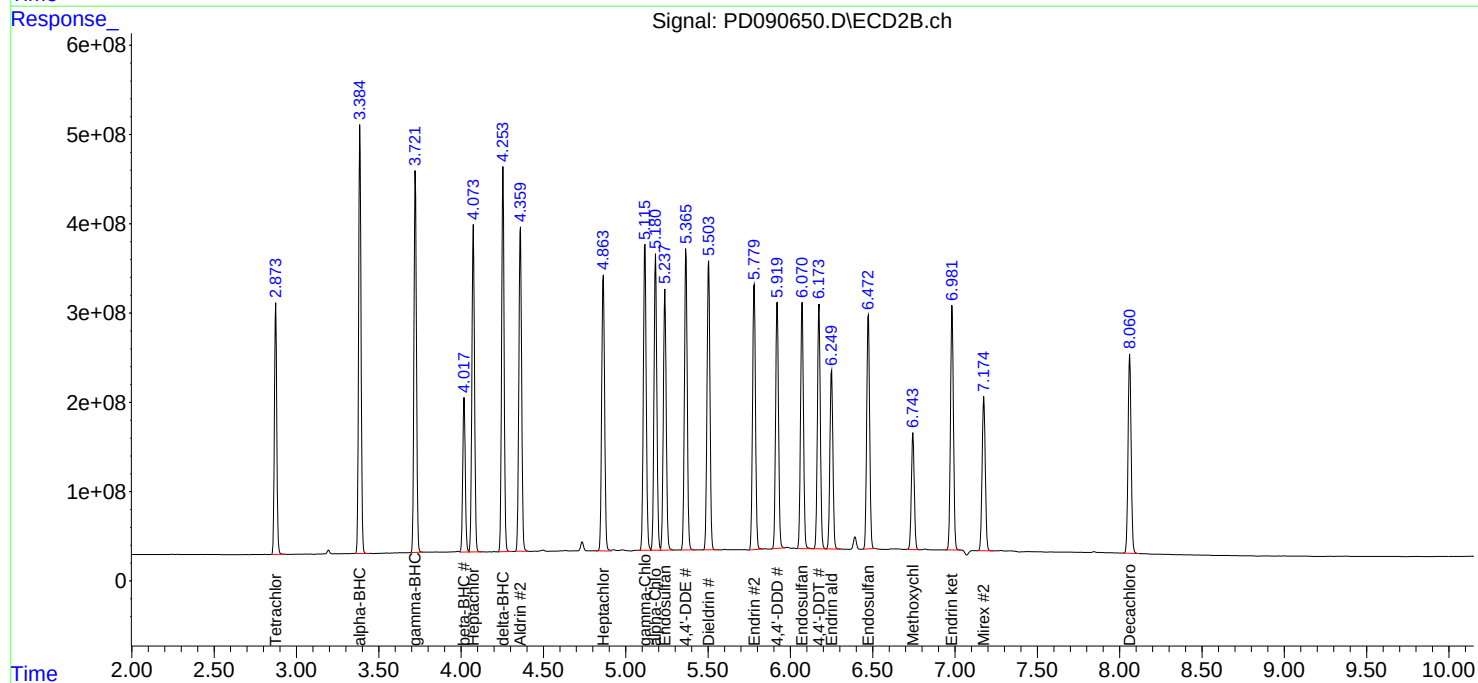
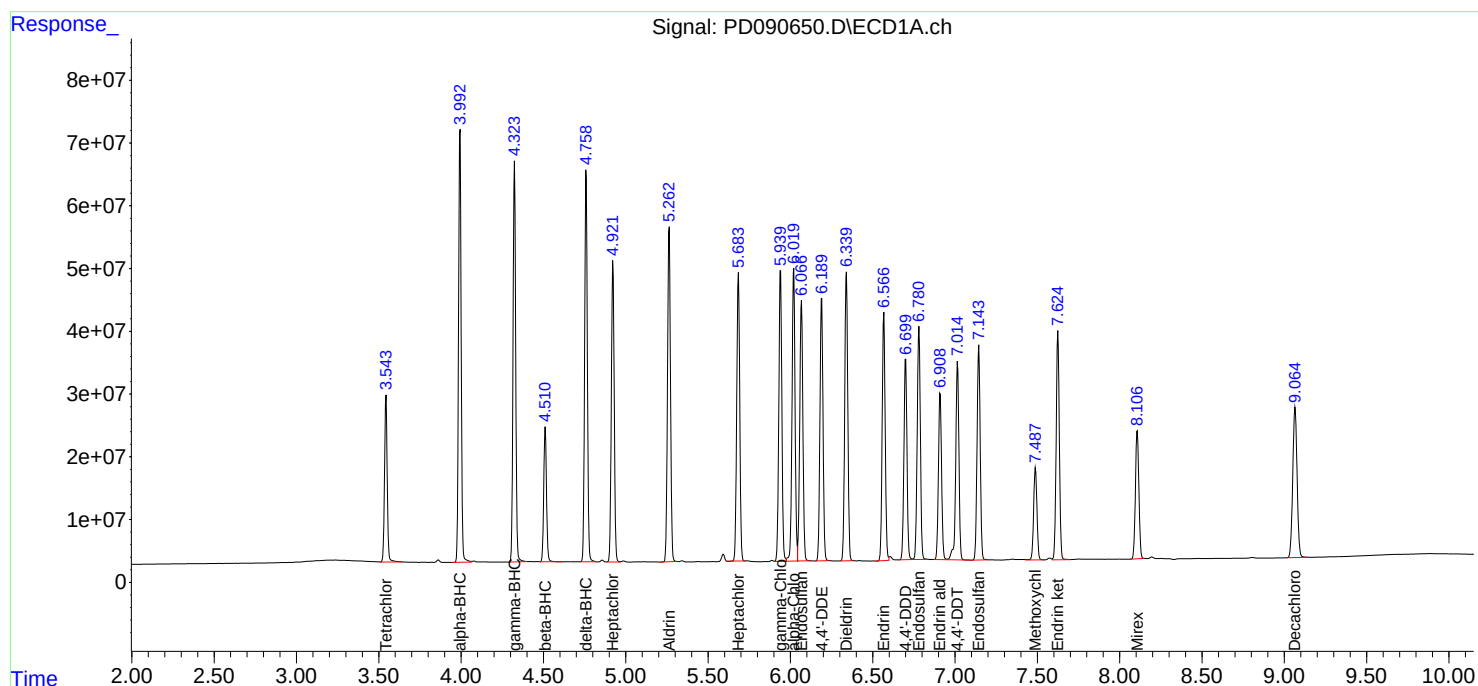
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090650.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 11:34  
Operator : AR\AJ  
Sample : PSTDICC100  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC100

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:33:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090651.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 11:48  
 Operator : AR\AJ  
 Sample : PSTDICC075  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC075

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:35:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|--------|--------|
| -----                       |                 |       |       |         |          |        |        |
| System Monitoring Compounds |                 |       |       |         |          |        |        |
| 1)                          | SA Tetrachlo... | 3.545 | 2.875 | 221.3E6 | 2076.7E6 | 73.844 | 73.982 |
| 28)                         | SA Decachlor... | 9.065 | 8.062 | 323.6E6 | 2118.5E6 | 73.652 | 73.550 |
| Target Compounds            |                 |       |       |         |          |        |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.387 | 555.2E6 | 3629.4E6 | 74.331 | 73.972 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.723 | 517.9E6 | 3345.4E6 | 74.376 | 74.044 |
| 4)                          | MA Heptachlor   | 4.923 | 4.076 | 419.8E6 | 3135.8E6 | 74.519 | 74.471 |
| 5)                          | MB Aldrin       | 5.265 | 4.361 | 492.2E6 | 3268.1E6 | 74.671 | 74.449 |
| 6)                          | B beta-BHC      | 4.512 | 4.019 | 186.7E6 | 1377.4E6 | 74.235 | 74.130 |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 517.9E6 | 3391.5E6 | 74.535 | 74.261 |
| 8)                          | B Heptachlo...  | 5.685 | 4.865 | 428.1E6 | 2916.9E6 | 74.574 | 74.304 |
| 9)                          | A Endosulfan I  | 6.068 | 5.239 | 405.3E6 | 2744.0E6 | 74.575 | 74.497 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 442.1E6 | 3181.7E6 | 74.831 | 74.517 |
| 11)                         | B alpha-Chl...  | 6.021 | 5.182 | 442.9E6 | 3041.3E6 | 74.605 | 74.512 |
| 12)                         | B 4,4'-DDE      | 6.191 | 5.366 | 402.8E6 | 3089.3E6 | 74.945 | 74.597 |
| 13)                         | MA Dieldrin     | 6.341 | 5.504 | 438.1E6 | 3106.9E6 | 74.726 | 74.493 |
| 14)                         | MA Endrin       | 6.568 | 5.781 | 372.2E6 | 2837.1E6 | 74.757 | 74.574 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 362.7E6 | 2622.6E6 | 74.556 | 74.457 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.921 | 305.6E6 | 2573.2E6 | 74.659 | 74.529 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.175 | 311.4E6 | 2548.7E6 | 74.584 | 74.422 |
| 18)                         | B Endrin al...  | 6.910 | 6.251 | 263.1E6 | 1930.5E6 | 74.563 | 74.493 |
| 19)                         | B Endosulfa...  | 7.145 | 6.474 | 337.9E6 | 2515.4E6 | 74.430 | 74.374 |
| 20)                         | A Methoxychlor  | 7.488 | 6.745 | 151.2E6 | 1223.7E6 | 73.804 | 73.968 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 355.2E6 | 2626.5E6 | 74.325 | 74.314 |
| 22)                         | Mirex           | 8.108 | 7.176 | 222.5E6 | 1780.4E6 | 74.051 | 74.497 |
| -----                       |                 |       |       |         |          |        |        |

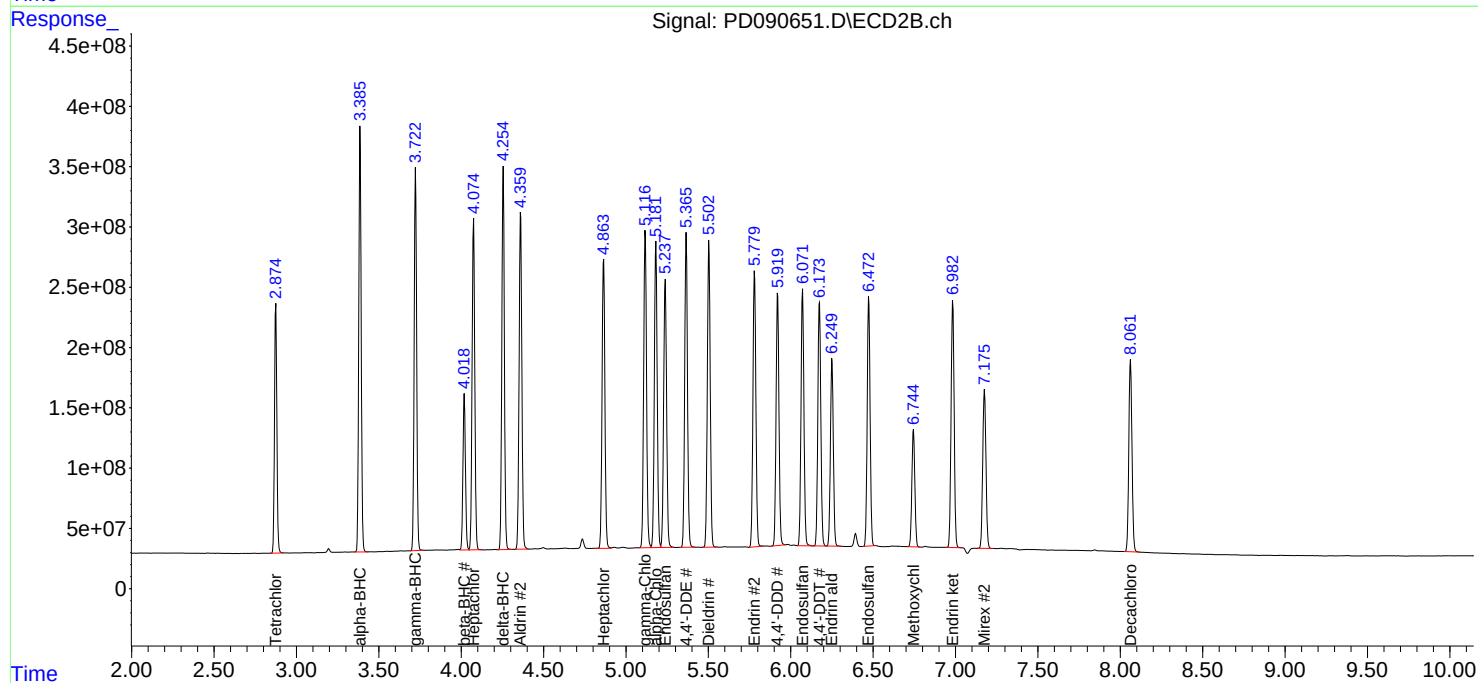
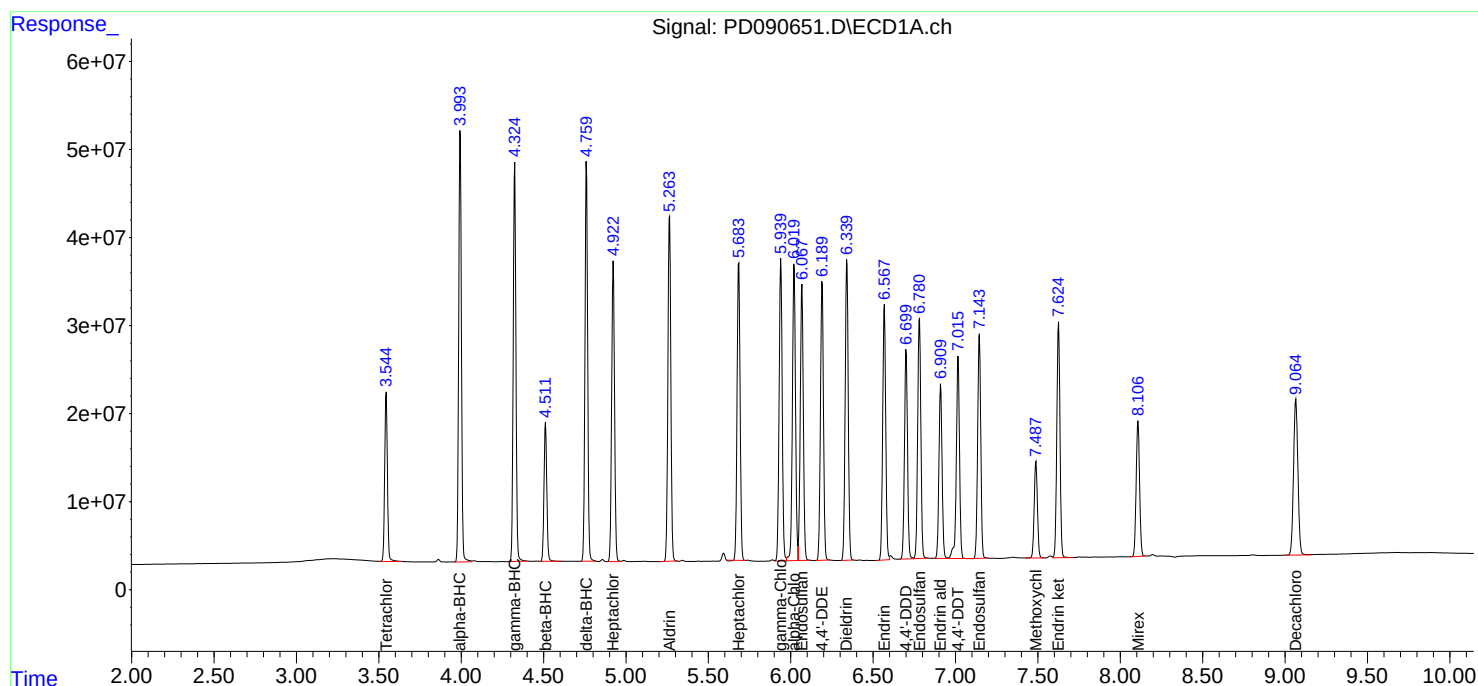
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090651.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 11:48  
Operator : AR\AJ  
Sample : PSTDICC075  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC075

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:35:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090652.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 12:01  
 Operator : AR\AJ  
 Sample : PSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:30:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|--------|--------|
| -----                       |                 |       |       |         |          |        |        |
| System Monitoring Compounds |                 |       |       |         |          |        |        |
| 1)                          | SA Tetrachlo... | 3.545 | 2.875 | 151.5E6 | 1430.9E6 | 50.000 | 50.000 |
| 28)                         | SA Decachlor... | 9.064 | 8.062 | 225.3E6 | 1465.4E6 | 50.000 | 50.000 |
| Target Compounds            |                 |       |       |         |          |        |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.387 | 362.6E6 | 2484.2E6 | 50.000 | 50.000 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.723 | 340.0E6 | 2298.6E6 | 50.000 | 50.000 |
| 4)                          | MA Heptachlor   | 4.923 | 4.075 | 277.3E6 | 2162.0E6 | 50.000 | 50.000 |
| 5)                          | MB Aldrin       | 5.264 | 4.361 | 325.8E6 | 2251.7E6 | 50.000 | 50.000 |
| 6)                          | B beta-BHC      | 4.512 | 4.019 | 127.0E6 | 954.0E6  | 50.000 | 50.000 |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 338.6E6 | 2323.3E6 | 50.000 | 50.000 |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 285.9E6 | 2033.6E6 | 50.000 | 50.000 |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 272.5E6 | 1909.3E6 | 50.000 | 50.000 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 292.8E6 | 2187.4E6 | 50.000 | 50.000 |
| 11)                         | B alpha-Chl...  | 6.021 | 5.181 | 296.9E6 | 2094.7E6 | 50.000 | 50.000 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 265.9E6 | 2127.4E6 | 50.000 | 50.000 |
| 13)                         | MA Dieldrin     | 6.340 | 5.504 | 290.9E6 | 2154.8E6 | 50.000 | 50.000 |
| 14)                         | MA Endrin       | 6.568 | 5.781 | 246.9E6 | 1970.0E6 | 50.000 | 50.000 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 244.3E6 | 1821.6E6 | 50.000 | 50.000 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.921 | 202.8E6 | 1778.0E6 | 50.000 | 50.000 |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.174 | 205.9E6 | 1743.4E6 | 50.000 | 50.000 |
| 18)                         | B Endrin al...  | 6.910 | 6.250 | 178.6E6 | 1344.7E6 | 50.000 | 50.000 |
| 19)                         | B Endosulfa...  | 7.145 | 6.474 | 227.8E6 | 1748.0E6 | 50.000 | 50.000 |
| 20)                         | A Methoxychlor  | 7.488 | 6.745 | 103.9E6 | 859.9E6  | 50.000 | 50.000 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 239.1E6 | 1827.5E6 | 50.000 | 50.000 |
| 22)                         | Mirex           | 8.107 | 7.175 | 154.6E6 | 1232.0E6 | 50.000 | 50.000 |
| -----                       |                 |       |       |         |          |        |        |

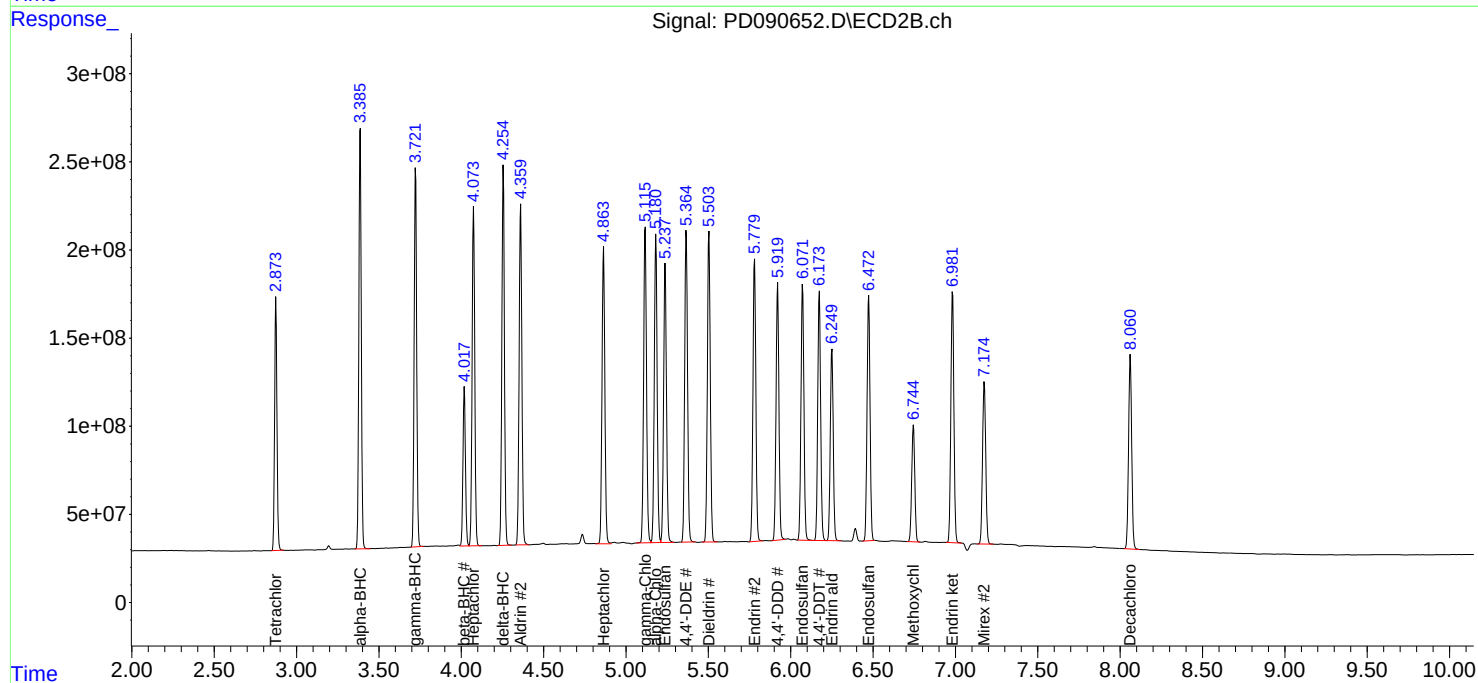
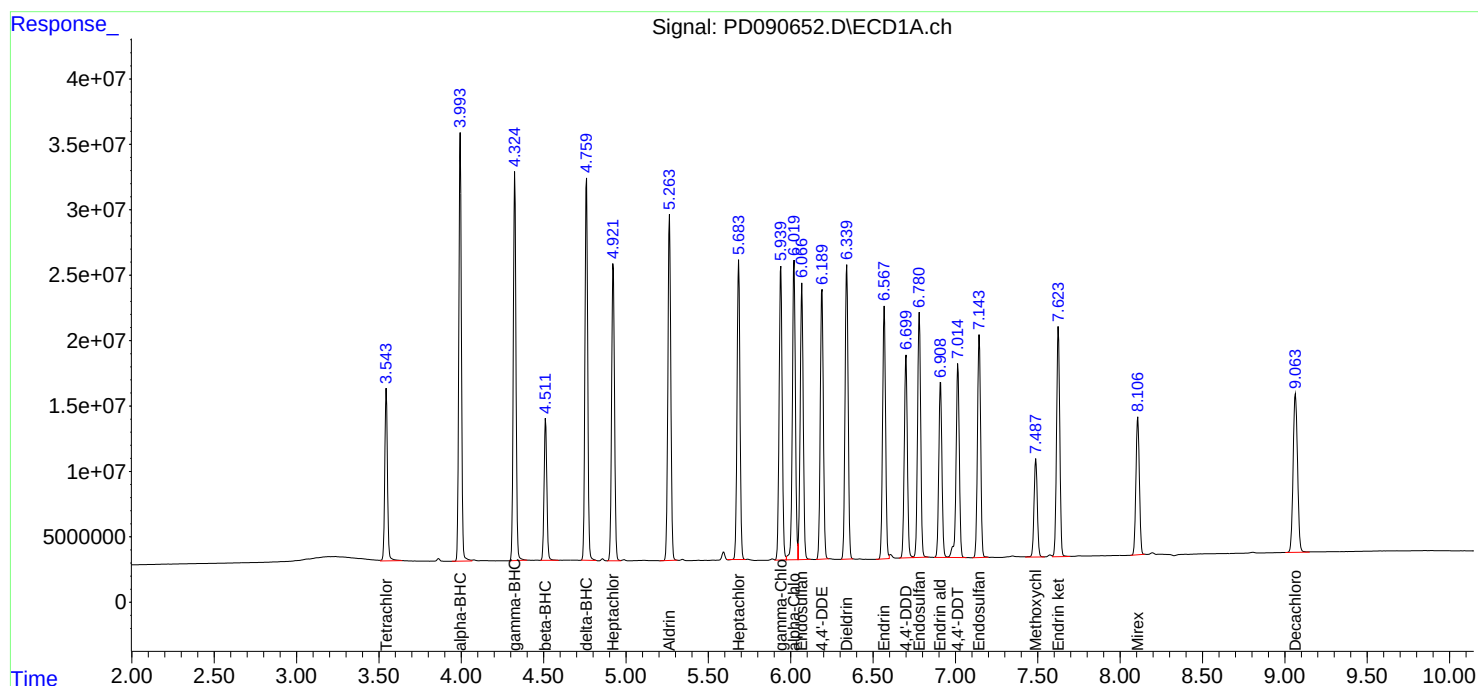
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090652.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 12:01  
Operator : AR\AJ  
Sample : PSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:30:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090653.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 12:15  
 Operator : AR\AJ  
 Sample : PSTDICC025  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:38:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 78107465 | 743.2E6  | 25.786 | 26.090 |
| 28)                         | SA Decachlor... | 9.065 | 8.061 | 117.7E6  | 751.4E6  | 26.311 | 25.807 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.386 | 168.6E6  | 1262.5E6 | 23.132 | 25.545 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.722 | 160.4E6  | 1170.2E6 | 23.501 | 25.669 |
| 4)                          | MA Heptachlor   | 4.922 | 4.074 | 132.2E6  | 1112.6E6 | 23.835 | 26.052 |
| 5)                          | MB Aldrin       | 5.263 | 4.360 | 156.0E6  | 1154.3E6 | 23.982 | 25.959 |
| 6)                          | B beta-BHC      | 4.511 | 4.018 | 64015475 | 495.1E6  | 25.339 | 26.214 |
| 7)                          | B delta-BHC     | 4.759 | 4.255 | 158.6E6  | 1178.9E6 | 23.327 | 25.605 |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 139.6E6  | 1059.4E6 | 24.488 | 26.460 |
| 9)                          | A Endosulfan I  | 6.067 | 5.238 | 133.7E6  | 987.0E6  | 24.700 | 26.323 |
| 10)                         | B gamma-Chl...  | 5.939 | 5.116 | 139.8E6  | 1108.7E6 | 23.988 | 25.717 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.181 | 154.3E6  | 1067.7E6 | 25.731 | 25.860 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.365 | 126.3E6  | 1089.4E6 | 23.861 | 25.967 |
| 13)                         | MA Dieldrin     | 6.340 | 5.503 | 138.8E6  | 1105.1E6 | 23.985 | 26.105 |
| 14)                         | MA Endrin       | 6.567 | 5.780 | 117.8E6  | 1017.3E6 | 23.978 | 26.284 |
| 15)                         | B Endosulfa...  | 6.781 | 6.071 | 119.7E6  | 938.0E6  | 24.710 | 26.203 |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.920 | 96019034 | 905.9E6  | 23.822 | 25.918 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.173 | 98197092 | 874.0E6  | 23.870 | 25.388 |
| 18)                         | B Endrin al...  | 6.909 | 6.250 | 89492653 | 694.2E6  | 25.271 | 26.317 |
| 19)                         | B Endosulfa...  | 7.144 | 6.473 | 112.0E6  | 896.5E6  | 24.754 | 26.114 |
| 20)                         | A Methoxychlor  | 7.488 | 6.744 | 52364279 | 443.4E6  | 25.424 | 26.326 |
| 21)                         | B Endrin ke...  | 7.625 | 6.982 | 117.4E6  | 945.4E6  | 24.668 | 26.289 |
| 22)                         | Mirex           | 8.108 | 7.175 | 79715192 | 640.8E6  | 26.131 | 26.336 |
| -----                       |                 |       |       |          |          |        |        |

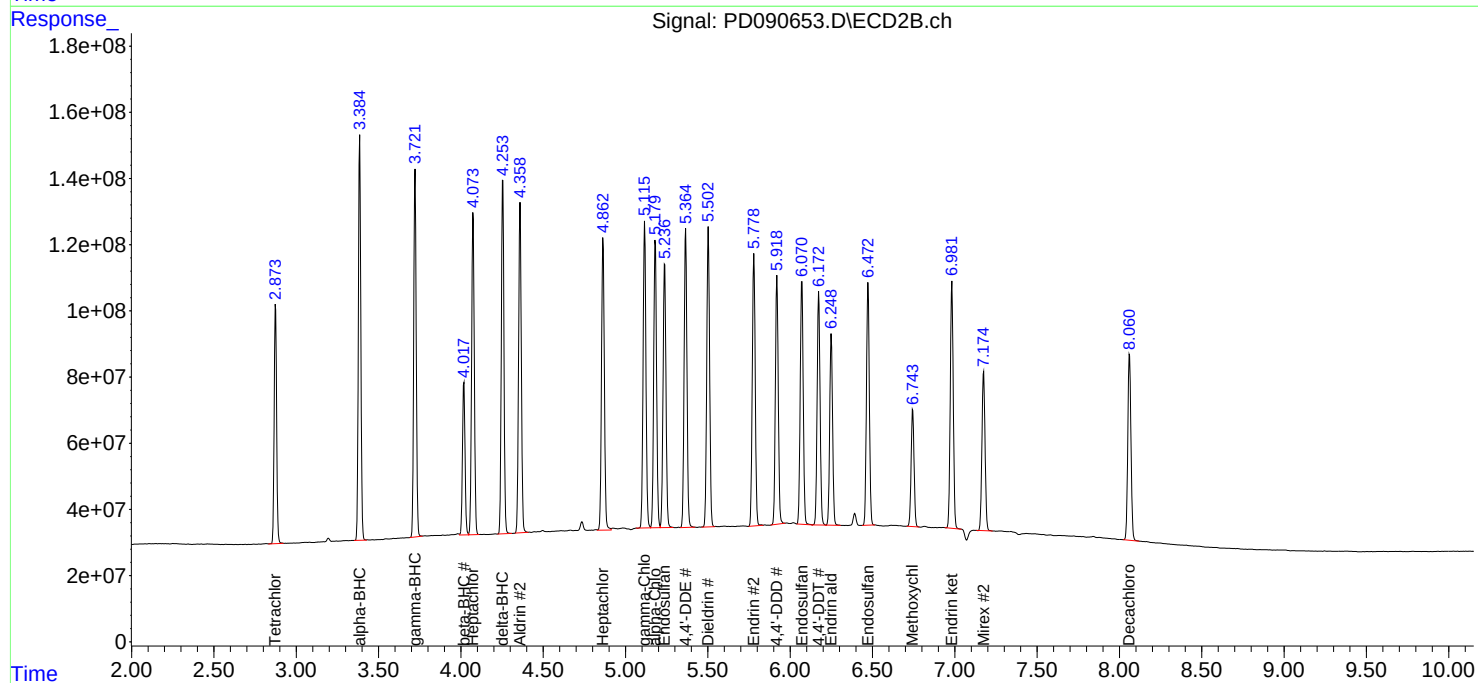
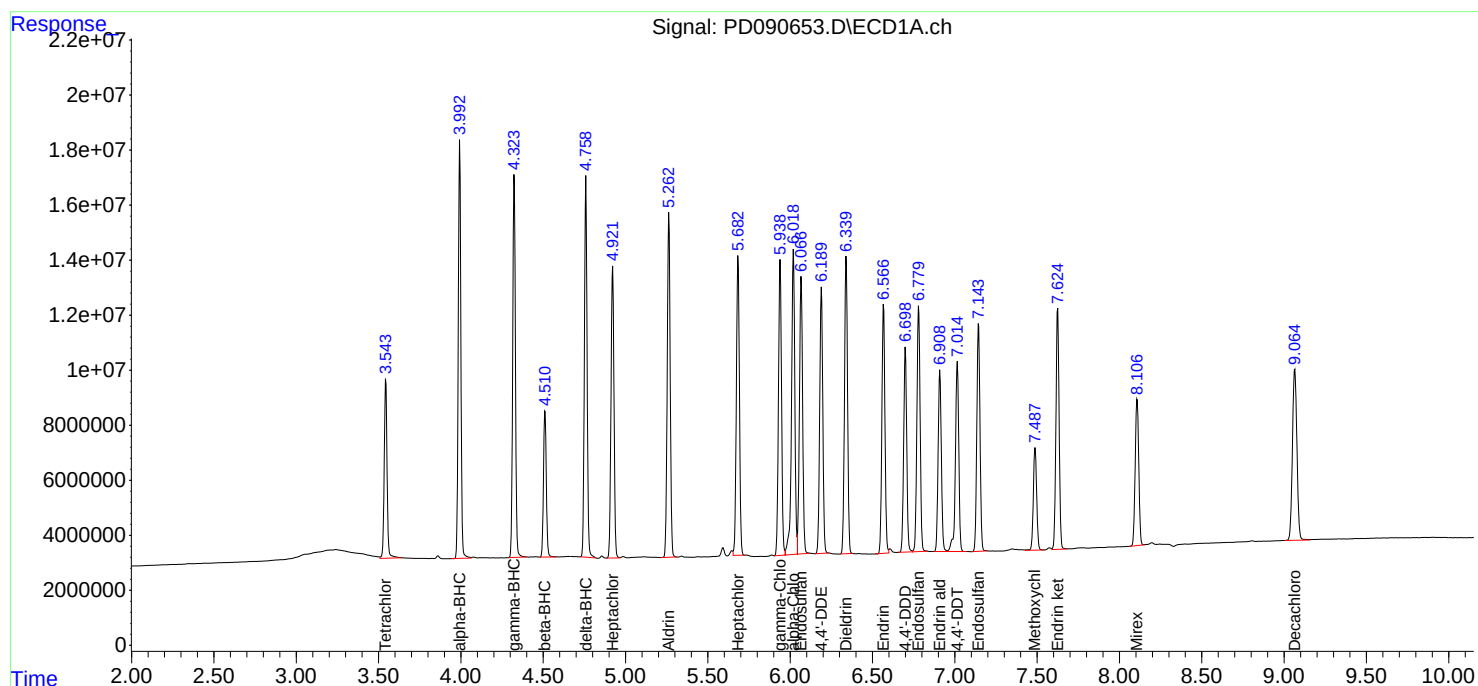
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090653.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 12:15  
Operator : AR\AJ  
Sample : PSTDICC025  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDICC025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:38:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090654.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 12:28  
 Operator : AR\AJ  
 Sample : PSTDICC005  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:41:41 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:29:41 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml |
|-----------------------------|-------|-------|----------|----------|--------|-------|
| -----                       |       |       |          |          |        |       |
| System Monitoring Compounds |       |       |          |          |        |       |
| 1) SA Tetrachlo...          | 3.543 | 2.874 | 17271955 | 174.7E6  | 5.550m | 5.868 |
| 28) SA Decachlor...         | 9.066 | 8.062 | 27500355 | 174.9E6  | 5.879  | 5.775 |
| Target Compounds            |       |       |          |          |        |       |
| 2) A alpha-BHC              | 3.993 | 3.386 | 33677596 | 288.9E6  | 4.692  | 5.655 |
| 3) MA gamma-BHC...          | 4.324 | 3.723 | 33423739 | 269.5E6  | 4.916  | 5.703 |
| 4) MA Heptachlor            | 4.922 | 4.075 | 28789856 | 260.9E6  | 5.151  | 5.850 |
| 5) MB Aldrin                | 5.264 | 4.360 | 33624118 | 268.6E6  | 5.136  | 5.800 |
| 6) B beta-BHC               | 4.512 | 4.019 | 14963256 | 118.0E6  | 5.712  | 5.951 |
| 7) B delta-BHC              | 4.760 | 4.255 | 33098385 | 272.1E6  | 4.895  | 5.702 |
| 8) B Heptachlo...           | 5.684 | 4.864 | 30689599 | 265.3E6  | 5.301  | 6.280 |
| 9) A Endosulfan I           | 6.067 | 5.238 | 30143871 | 234.9E6  | 5.444  | 5.962 |
| 10) B gamma-Chl...          | 5.940 | 5.117 | 31705442 | 261.5E6  | 5.346  | 5.818 |
| 11) B alpha-Chl...          | 6.019 | 5.181 | 34603140 | 252.7E6  | 5.576m | 5.857 |
| 12) B 4,4'-DDE              | 6.190 | 5.366 | 27280775 | 256.9E6  | 5.122  | 5.859 |
| 13) MA Dieldrin             | 6.341 | 5.504 | 30082015 | 258.0E6  | 5.159  | 5.839 |
| 14) MA Endrin               | 6.568 | 5.781 | 25601278 | 238.2E6  | 5.168  | 5.883 |
| 15) B Endosulfa...          | 6.781 | 6.072 | 28078989 | 222.9E6  | 5.616  | 5.936 |
| 16) A 4,4'-DDD              | 6.700 | 5.921 | 20742842 | 211.9E6  | 5.116  | 5.814 |
| 17) MA 4,4'-DDT             | 7.016 | 6.175 | 20485670 | 188.3E6  | 4.984  | 5.370 |
| 18) B Endrin al...          | 6.910 | 6.250 | 20741409 | 164.8E6  | 5.663  | 5.950 |
| 19) B Endosulfa...          | 7.144 | 6.474 | 25464611 | 209.5E6  | 5.490  | 5.845 |
| 20) A Methoxychlor          | 7.489 | 6.745 | 11946535 | 98858490 | 5.620  | 5.672 |
| 21) B Endrin ke...          | 7.624 | 6.983 | 26302012 | 223.7E6  | 5.414m | 5.931 |
| 22) Mirex                   | 8.108 | 7.175 | 19009608 | 155.6E6  | 5.939  | 6.058 |
| -----                       |       |       |          |          |        |       |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090654.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 12:28  
Operator : AR\AJ  
Sample : PSTDICC005  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDICC005

## Manual Integrations

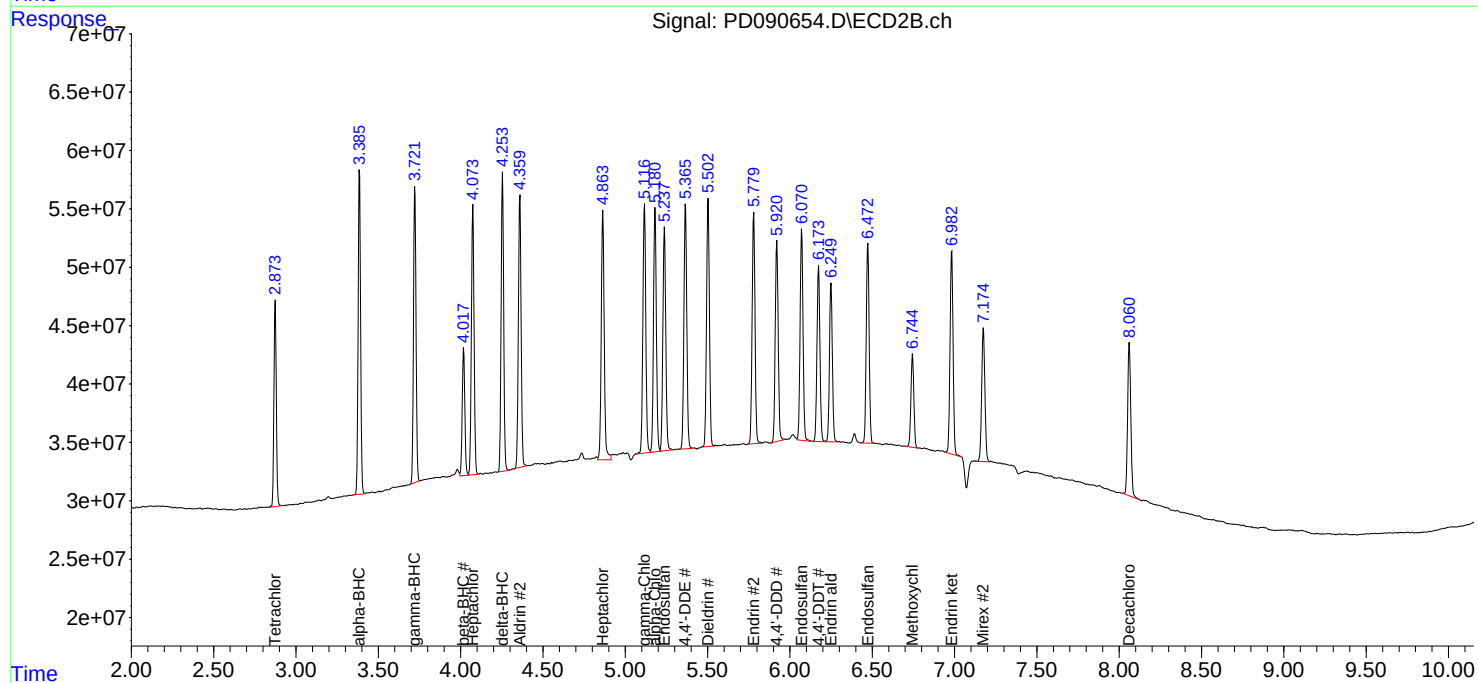
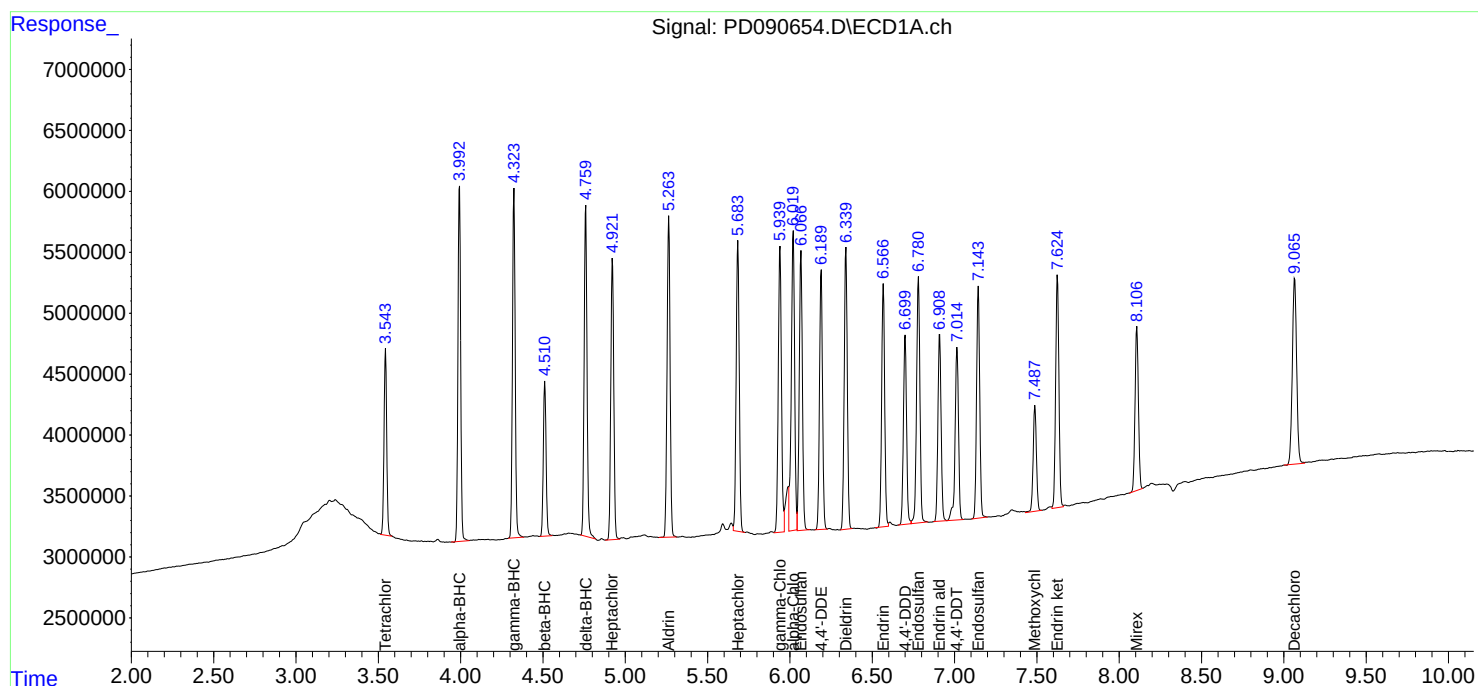
## APPROVED

Reviewed By :Abdul Mirza 10/19/2025

Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:41:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:29:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090657.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 13:09  
 Operator : AR\AJ  
 Sample : PCHLORICC500  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PCHLORICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:49:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 13:48:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.545 | 2.874 | 108.8E6  | 1215.0E6 | 50.000  | 50.000  |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 167.8E6  | 1105.6E6 | 50.000  | 50.000  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 23)                         | Chlordane-1     | 4.708 | 3.898 | 92608674 | 605.2E6  | 500.000 | 500.000 |
| 24)                         | Chlordane-2     | 5.235 | 4.479 | 92865500 | 631.9E6  | 500.000 | 500.000 |
| 25)                         | Chlordane-3     | 5.941 | 5.117 | 379.1E6  | 1885.9E6 | 500.000 | 500.000 |
| 26)                         | Chlordane-4     | 6.026 | 5.181 | 458.8E6  | 1625.9E6 | 500.000 | 500.000 |
| 27)                         | Chlordane-5     | 6.865 | 6.081 | 74238996 | 730.3E6  | 500.000 | 500.000 |
| -----                       |                 |       |       |          |          |         |         |

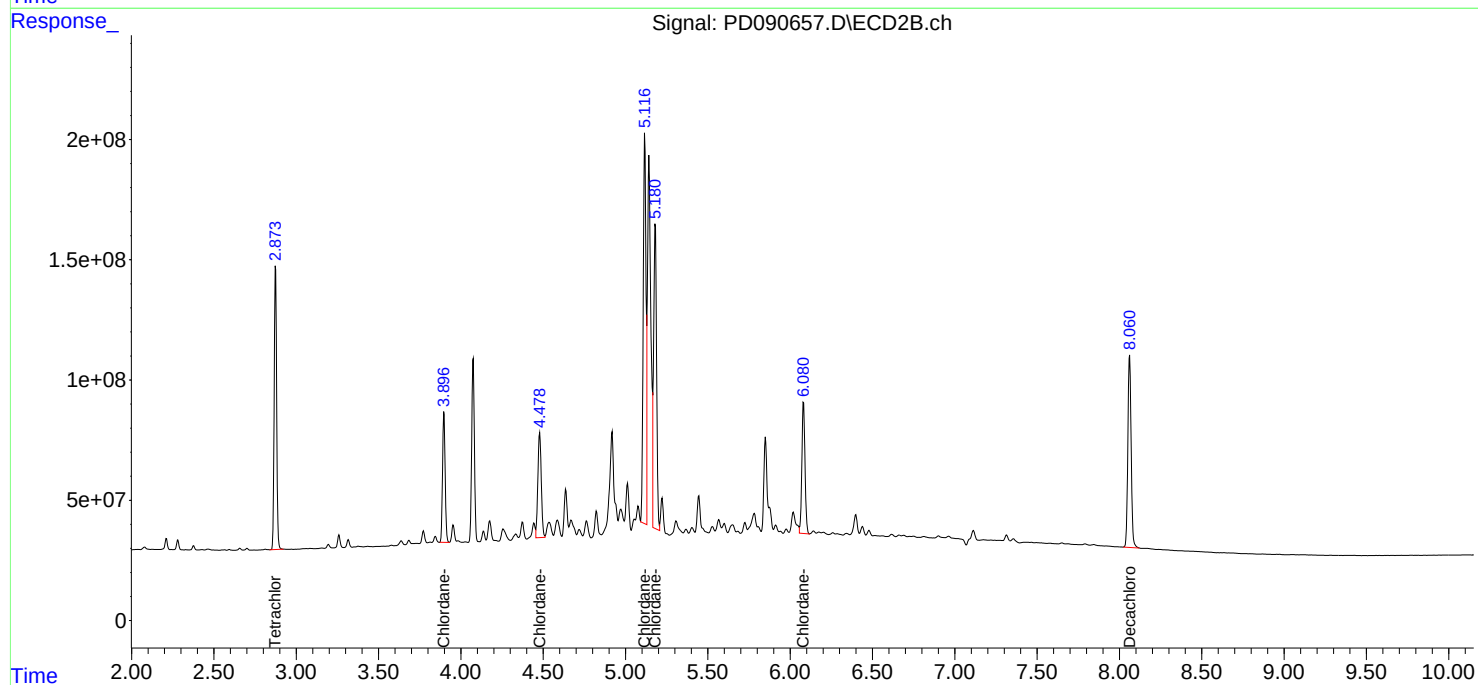
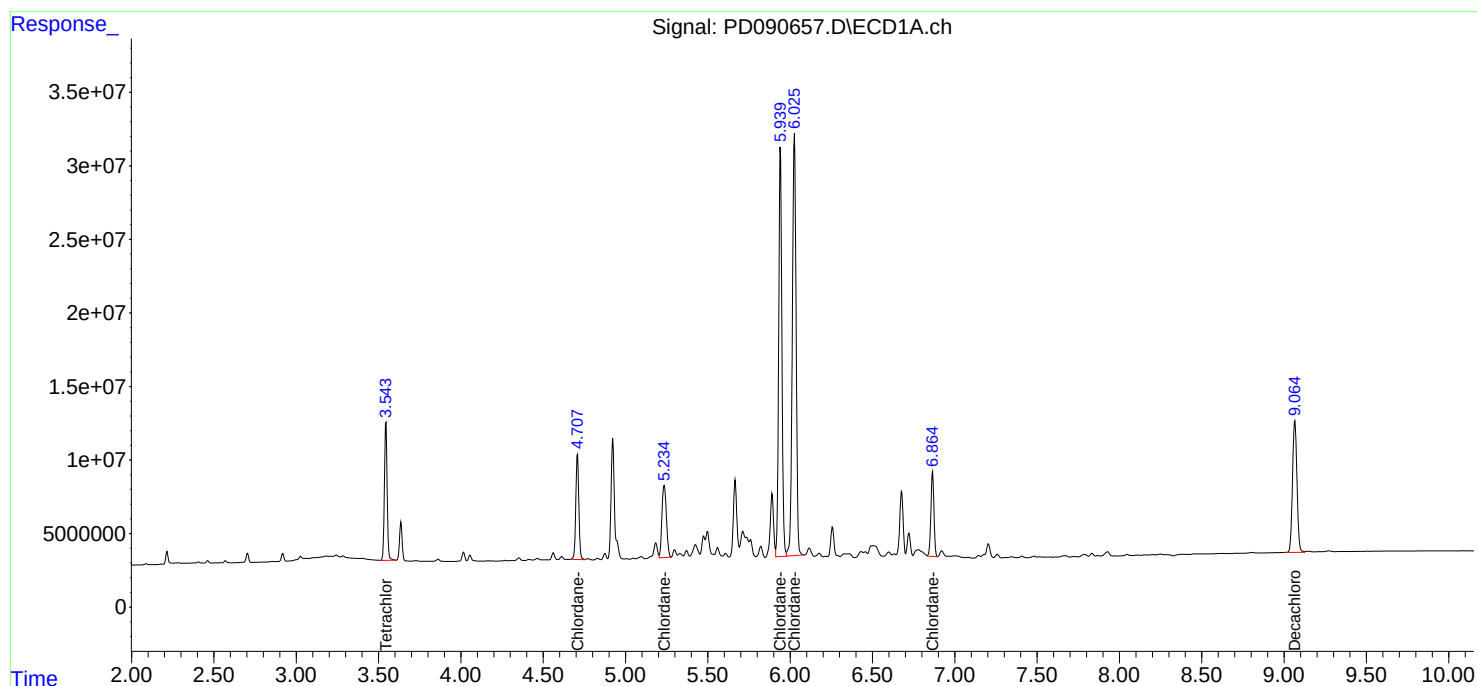
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090657.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 13:09  
Operator : AR\AJ  
Sample : PCHLORICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PCHLORICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:49:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 13:48:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090662.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 14:17  
 Operator : AR\AJ  
 Sample : PTOXICC500  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PTOXICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 14:36:03 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\DTX101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 14:35:49 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm

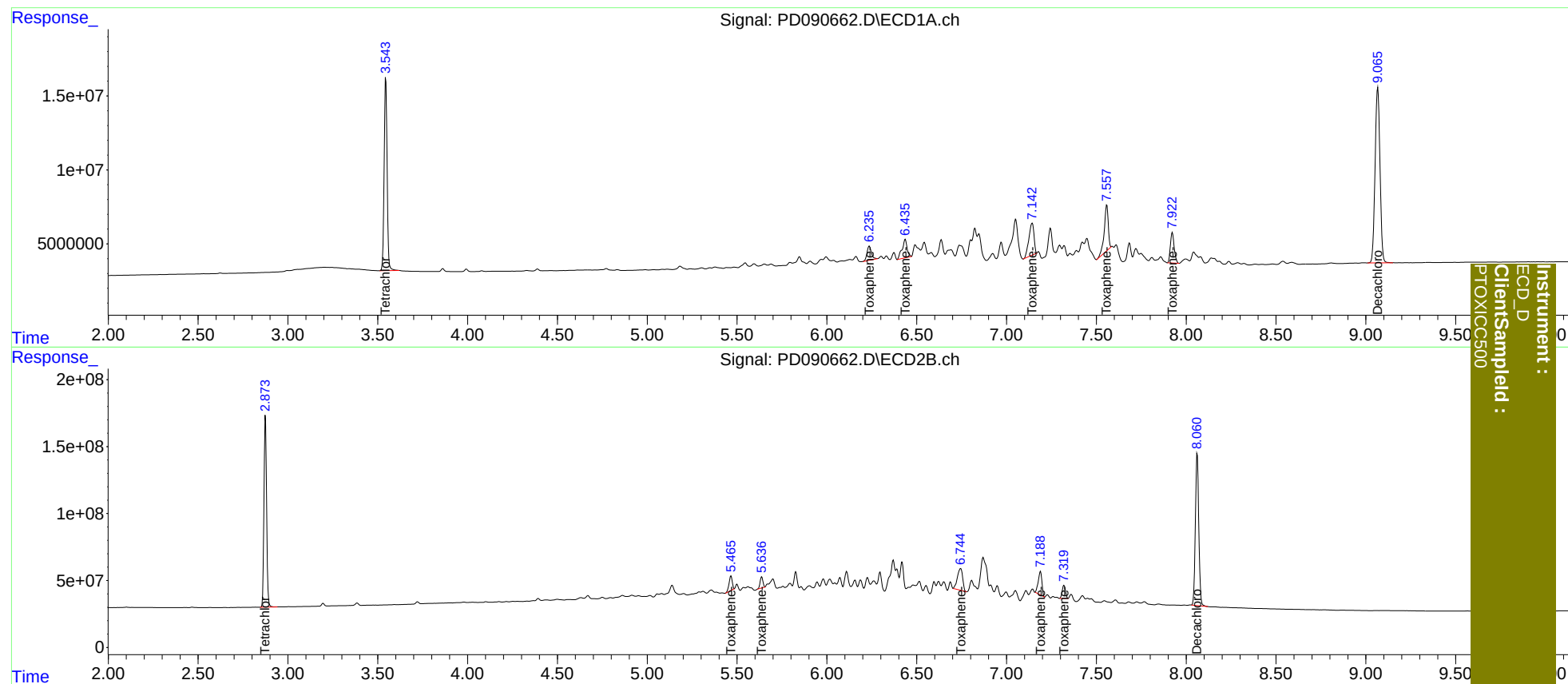
| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.545 | 2.875 | 149.0E6  | 1451.5E6 | 50.000  | 50.000  |
| 7) SA Decachlor...          | 9.066 | 8.062 | 225.6E6  | 1489.1E6 | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 2) Toxaphene-1              | 6.236 | 5.466 | 16282219 | 131.9E6  | 500.000 | 500.000 |
| 3) Toxaphene-2              | 6.436 | 5.638 | 24310877 | 88280081 | 500.000 | 500.000 |
| 4) Toxaphene-3              | 7.143 | 6.745 | 42855293 | 329.4E6  | 500.000 | 500.000 |
| 5) Toxaphene-4              | 7.558 | 7.189 | 47868684 | 247.6E6  | 500.000 | 500.000 |
| 6) Toxaphene-5              | 7.923 | 7.320 | 30240231 | 123.0E6  | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090662.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 14:17  
Operator : AR\AJ  
Sample : PTOXICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 14:36:03 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\DTX101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:35:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090665.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 16:46  
 Operator : AR\AJ  
 Sample : PSTDICV050  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 ICVPD101725

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 17:27:39 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 14:02:33 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|---------|----------|--------|--------|
| -----                       |                 |       |       |         |          |        |        |
| System Monitoring Compounds |                 |       |       |         |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 153.7E6 | 1464.9E6 | 49.347 | 49.195 |
| 28)                         | SA Decachlor... | 9.065 | 8.062 | 232.3E6 | 1556.2E6 | 49.651 | 51.373 |
| Target Compounds            |                 |       |       |         |          |        |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.386 | 368.9E6 | 2547.7E6 | 51.395 | 49.860 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.722 | 346.1E6 | 2351.4E6 | 50.913 | 49.766 |
| 4)                          | MA Heptachlor   | 4.923 | 4.074 | 269.7E6 | 2210.7E6 | 48.243 | 49.564 |
| 5)                          | MB Aldrin       | 5.264 | 4.360 | 332.4E6 | 2302.8E6 | 50.770 | 49.716 |
| 6)                          | B beta-BHC      | 4.512 | 4.018 | 128.8E6 | 974.3E6  | 49.166 | 49.134 |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 343.7E6 | 2372.2E6 | 50.832 | 49.714 |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 292.1E6 | 2073.7E6 | 50.455 | 48.633 |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 276.7E6 | 1960.5E6 | 49.982 | 49.772 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 297.4E6 | 2236.0E6 | 50.146 | 49.745 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.181 | 299.6E6 | 2144.4E6 | 48.473 | 49.711 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 269.1E6 | 2179.5E6 | 50.526 | 49.716 |
| 13)                         | MA Dieldrin     | 6.341 | 5.503 | 295.7E6 | 2209.3E6 | 50.705 | 50.003 |
| 14)                         | MA Endrin       | 6.568 | 5.780 | 251.8E6 | 2041.8E6 | 50.824 | 50.421 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 251.4E6 | 1876.1E6 | 50.275 | 49.956 |
| 16)                         | A 4,4'-DDD      | 6.701 | 5.920 | 206.7E6 | 1821.0E6 | 50.990 | 49.977 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.174 | 206.8E6 | 1798.7E6 | 50.320 | 51.285 |
| 18)                         | B Endrin al...  | 6.910 | 6.250 | 184.2E6 | 1401.3E6 | 50.283 | 50.600 |
| 19)                         | B Endosulfa...  | 7.144 | 6.474 | 231.2E6 | 1809.0E6 | 49.837 | 50.467 |
| 20)                         | A Methoxychlor  | 7.489 | 6.745 | 104.2E6 | 890.1E6  | 48.999 | 51.076 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 242.9E6 | 1911.1E6 | 49.982 | 50.668 |
| 22)                         | Mirex           | 8.108 | 7.176 | 158.1E6 | 1294.5E6 | 49.394 | 50.389 |
| -----                       |                 |       |       |         |          |        |        |

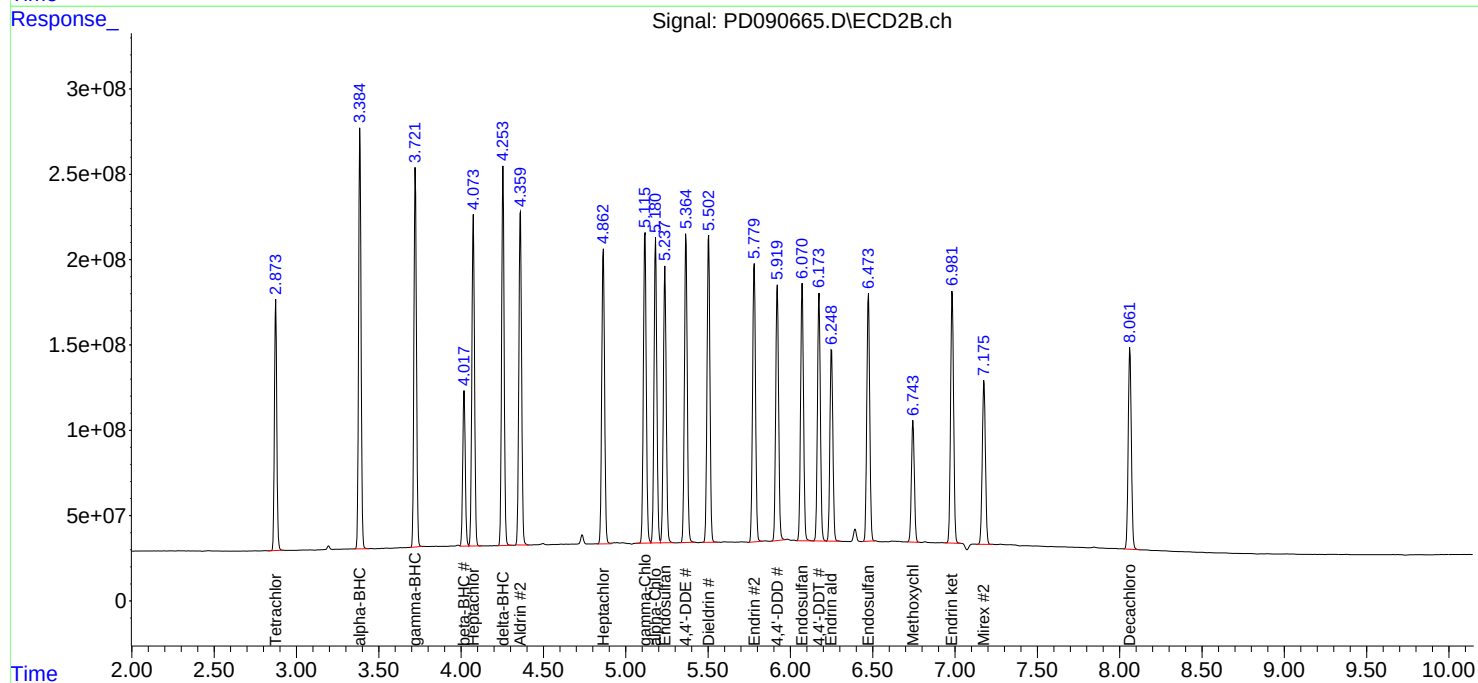
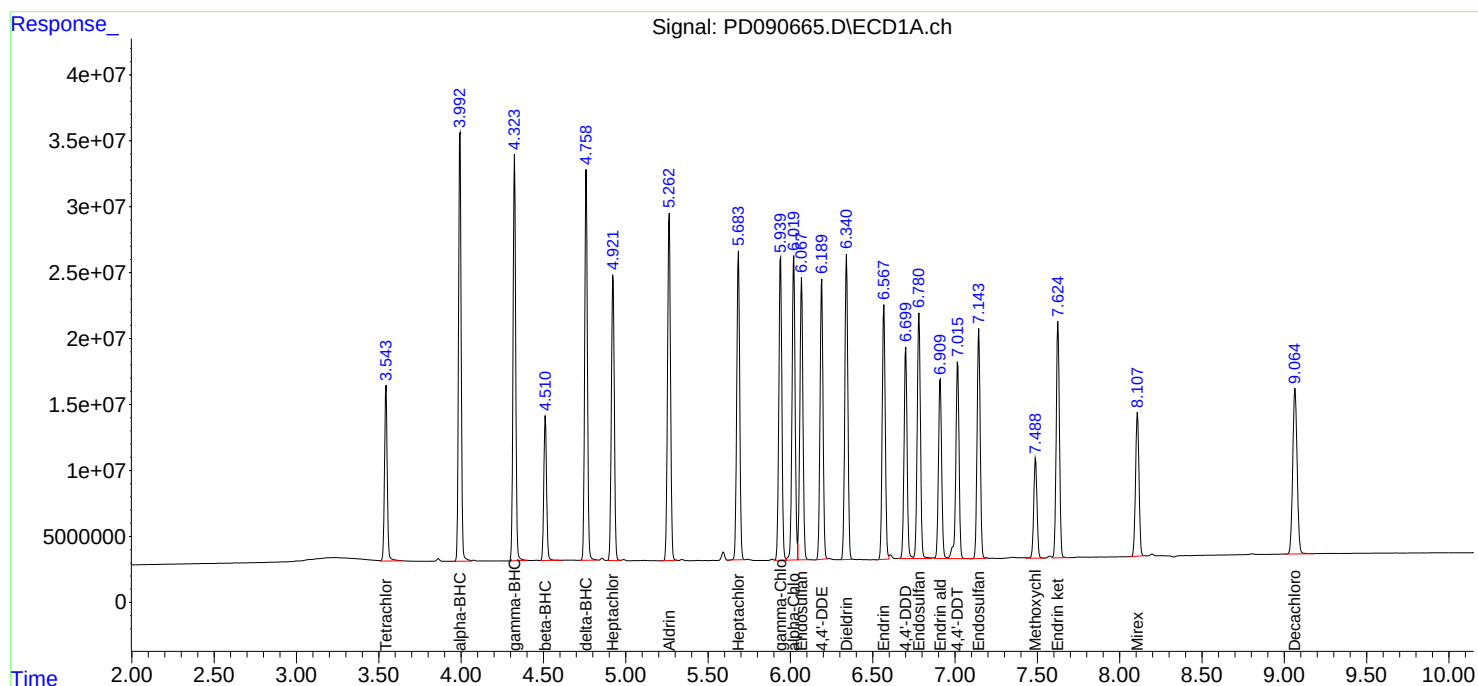
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090665.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 16:46  
Operator : AR\AJ  
Sample : PSTDICV050  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 17:27:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:02:33 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090666.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 17:50  
 Operator : AR\AJ  
 Sample : PCHLORICV500  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 ICVPD101725CHLOR

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 18:03:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.547 | 2.873 | 151.2E6  | 1640.5E6 | 48.564  | 55.094  |
| 28)                         | SA Decachlor... | 9.069 | 8.063 | 245.8E6  | 1635.1E6 | 52.541  | 53.979  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 23)                         | Chlordane-1     | 4.711 | 3.897 | 81712455 | 547.0E6  | 432.404 | 438.923 |
| 24)                         | Chlordane-2     | 5.238 | 4.479 | 83577133 | 567.3E6  | 432.751 | 434.873 |
| 25)                         | Chlordane-3     | 5.944 | 5.117 | 339.4E6  | 1711.3E6 | 444.973 | 439.739 |
| 26)                         | Chlordane-4     | 6.029 | 5.182 | 443.9E6  | 1471.1E6 | 458.160 | 440.289 |
| 27)                         | Chlordane-5     | 6.868 | 6.082 | 67446272 | 668.4E6  | 448.868 | 452.832 |
| -----                       |                 |       |       |          |          |         |         |

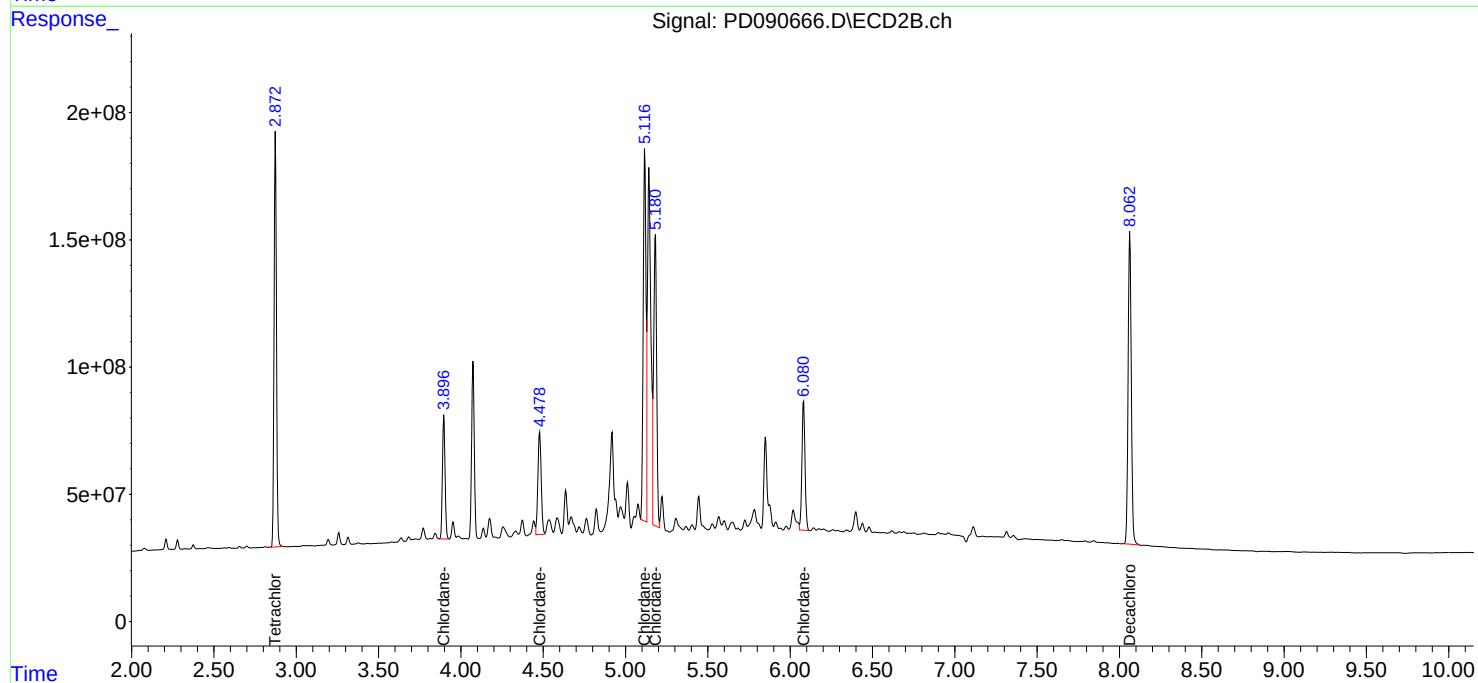
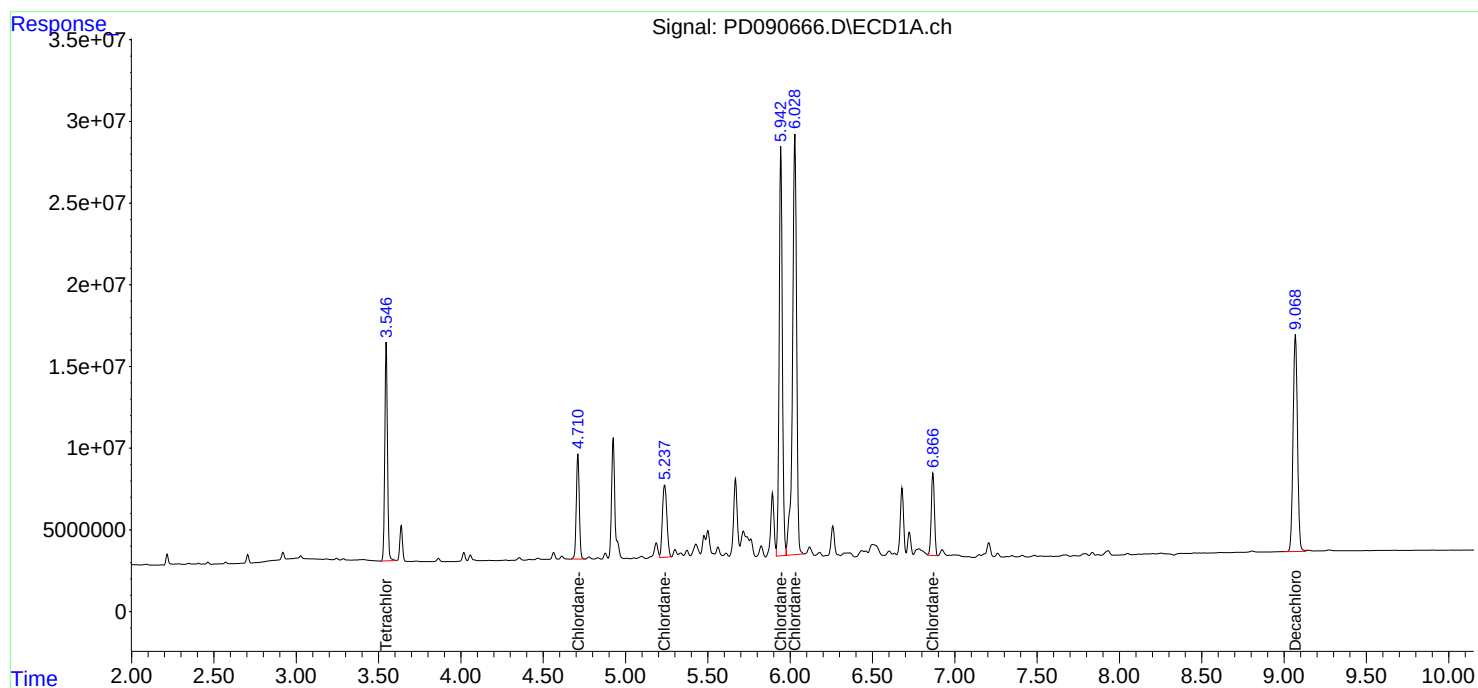
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090666.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 17:50  
Operator : AR\AJ  
Sample : PCHLORICV500  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
ICVPD101725CHLOR

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 18:03:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090667.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 18:42  
 Operator : AR\AJ  
 Sample : PTOXICV500  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 ICVPD101725TOX

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 20 09:07:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\DTX101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 16:43:08 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

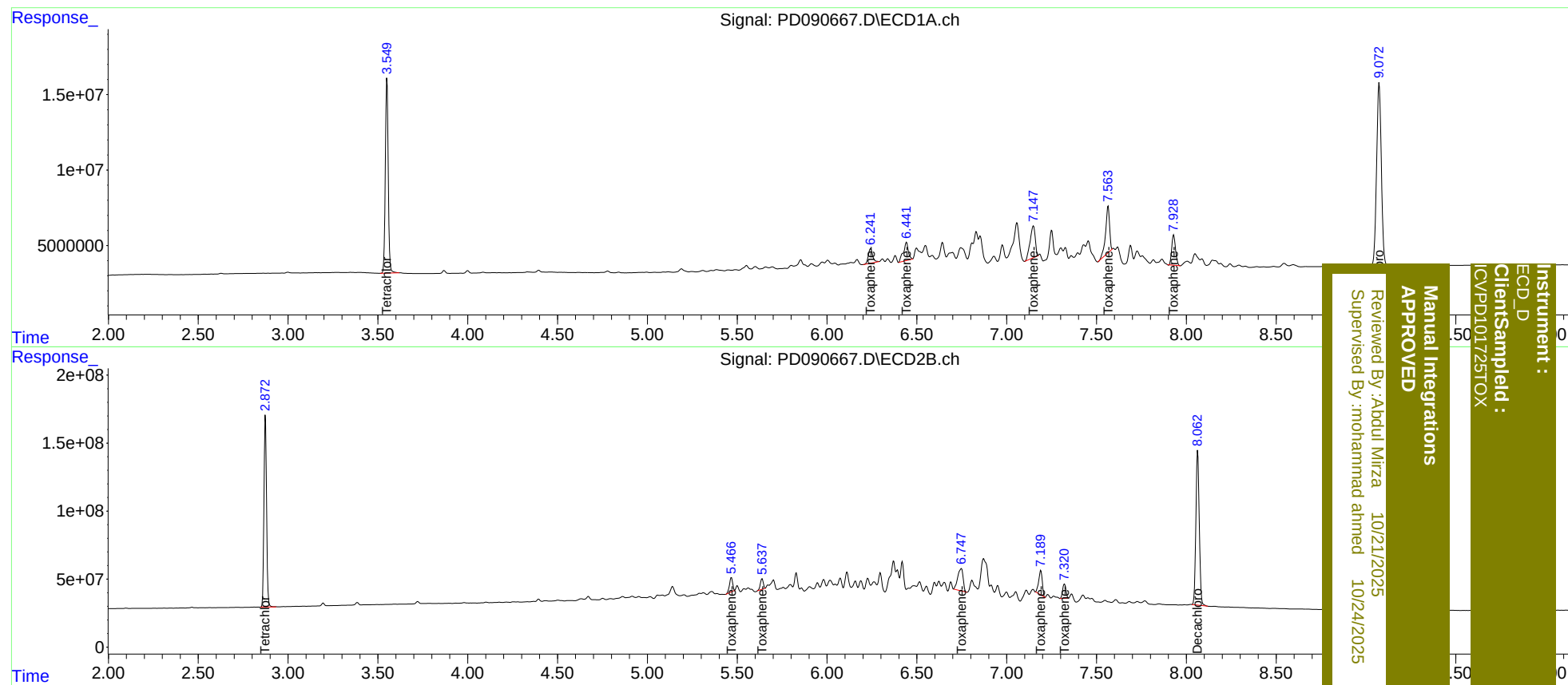
|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.550 | 2.874 | 144.8E6  | 1414.7E6 | 47.850  | 47.865   |
| 7)                          | SA Decachlor... | 9.073 | 8.063 | 222.4E6  | 1485.6E6 | 48.104  | 48.572   |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | Toxaphene-1     | 6.243 | 5.468 | 16199211 | 128.4E6  | 486.326 | 472.241  |
| 3)                          | Toxaphene-2     | 6.442 | 5.639 | 23160349 | 87664602 | 469.047 | 488.530  |
| 4)                          | Toxaphene-3     | 7.149 | 6.748 | 41739789 | 339.6E6  | 481.161 | 526.232  |
| 5)                          | Toxaphene-4     | 7.565 | 7.190 | 46882437 | 247.3E6  | 496.038 | 505.430  |
| 6)                          | Toxaphene-5     | 7.930 | 7.320 | 29219348 | 133.4E6  | 485.054 | 589.259m |
| -----                       |                 |       |       |          |          |         |          |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090667.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 18:42  
Operator : AR\AJ  
Sample : PTOXICV500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 20 09:07:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\DTX101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 16:43:08 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



Manual Integrations  
APPROVED  
Reviewed By: Abdul Mirza 10/21/2025  
Supervised By: mohammad ahmed 10/24/2025

Instrument :  
ECD\_D  
Client Sample :  
ICVPD101725TOX



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 13:50

Initial Calibration Time(s): 11:34

12:28

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.07       | 9.06      | 8.96      | 9.16 | -0.01      |
| Tetrachloro-m-xylene | 3.55       | 3.55      | 3.45      | 3.65 | 0.00       |
| alpha-BHC            | 4.00       | 3.99      | 3.89      | 4.09 | -0.01      |
| beta-BHC             | 4.52       | 4.51      | 4.41      | 4.61 | -0.01      |
| delta-BHC            | 4.77       | 4.76      | 4.66      | 4.86 | -0.01      |
| gamma-BHC (Lindane)  | 4.33       | 4.33      | 4.23      | 4.43 | 0.00       |
| Heptachlor           | 4.93       | 4.92      | 4.82      | 5.02 | -0.01      |
| Aldrin               | 5.27       | 5.26      | 5.16      | 5.36 | -0.01      |
| Heptachlor epoxide   | 5.69       | 5.68      | 5.58      | 5.78 | -0.01      |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.35       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDE             | 6.20       | 6.19      | 6.09      | 6.29 | -0.01      |
| Endrin               | 6.57       | 6.57      | 6.47      | 6.67 | 0.00       |
| Endosulfan II        | 6.79       | 6.78      | 6.68      | 6.88 | 0.00       |
| 4,4'-DDD             | 6.71       | 6.70      | 6.60      | 6.80 | 0.00       |
| Endosulfan sulfate   | 7.15       | 7.15      | 7.05      | 7.25 | 0.00       |
| 4,4'-DDT             | 7.02       | 7.02      | 6.92      | 7.12 | 0.00       |
| Methoxychlor         | 7.49       | 7.49      | 7.39      | 7.59 | 0.00       |
| Endrin ketone        | 7.63       | 7.63      | 7.53      | 7.73 | 0.00       |
| Endrin aldehyde      | 6.91       | 6.91      | 6.81      | 7.01 | 0.00       |
| alpha-Chlordane      | 6.03       | 6.02      | 5.92      | 6.12 | -0.01      |
| gamma-Chlordane      | 5.95       | 5.94      | 5.84      | 6.04 | -0.01      |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 13:50

Initial Calibration Time(s): 11:34

12:28

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.06       | 8.06      | 7.96      | 8.16 | 0.00       |
| Tetrachloro-m-xylene | 2.87       | 2.88      | 2.78      | 2.98 | 0.01       |
| alpha-BHC            | 3.39       | 3.39      | 3.29      | 3.49 | 0.01       |
| beta-BHC             | 4.02       | 4.02      | 3.92      | 4.12 | 0.00       |
| delta-BHC            | 4.25       | 4.26      | 4.16      | 4.36 | 0.01       |
| gamma-BHC (Lindane)  | 3.72       | 3.72      | 3.62      | 3.82 | 0.00       |
| Heptachlor           | 4.07       | 4.08      | 3.98      | 4.18 | 0.01       |
| Aldrin               | 4.36       | 4.36      | 4.26      | 4.46 | 0.00       |
| Heptachlor epoxide   | 4.86       | 4.86      | 4.76      | 4.96 | 0.00       |
| Endosulfan I         | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Dieldrin             | 5.50       | 5.50      | 5.40      | 5.60 | 0.00       |
| 4,4'-DDE             | 5.37       | 5.37      | 5.27      | 5.47 | 0.01       |
| Endrin               | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan II        | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| 4,4'-DDD             | 5.92       | 5.92      | 5.82      | 6.02 | 0.00       |
| Endosulfan sulfate   | 6.47       | 6.47      | 6.37      | 6.57 | 0.00       |
| 4,4'-DDT             | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| Methoxychlor         | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Endrin ketone        | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Endrin aldehyde      | 6.25       | 6.25      | 6.15      | 6.35 | 0.00       |
| alpha-Chlordane      | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| gamma-Chlordane      | 5.12       | 5.12      | 5.02      | 5.22 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3466

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No.: CCAL01 Date Analyzed: 10/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD090880.D Time Analyzed: 13:50

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.705 | 6.600     | 6.800 | 52.870             | 50.000            | 5.7   |
| 4,4'-DDE             | 6.195 | 6.090     | 6.290 | 47.930             | 50.000            | -4.1  |
| 4,4'-DDT             | 7.020 | 6.915     | 7.115 | 47.020             | 50.000            | -6.0  |
| Aldrin               | 5.269 | 5.164     | 5.364 | 48.150             | 50.000            | -3.7  |
| alpha-BHC            | 3.999 | 3.894     | 4.094 | 48.620             | 50.000            | -2.8  |
| alpha-Chlordane      | 6.025 | 5.921     | 6.121 | 49.310             | 50.000            | -1.4  |
| beta-BHC             | 4.516 | 4.412     | 4.612 | 46.790             | 50.000            | -6.4  |
| Decachlorobiphenyl   | 9.070 | 8.964     | 9.164 | 44.840             | 50.000            | -10.3 |
| delta-BHC            | 4.766 | 4.660     | 4.860 | 48.660             | 50.000            | -2.7  |
| Dieldrin             | 6.345 | 6.240     | 6.440 | 48.770             | 50.000            | -2.5  |
| Endosulfan I         | 6.073 | 5.968     | 6.168 | 48.280             | 50.000            | -3.4  |
| Endosulfan II        | 6.785 | 6.681     | 6.881 | 47.840             | 50.000            | -4.3  |
| Endosulfan sulfate   | 7.149 | 7.045     | 7.245 | 48.580             | 50.000            | -2.8  |
| Endrin               | 6.573 | 6.468     | 6.668 | 46.310             | 50.000            | -7.4  |
| Endrin aldehyde      | 6.914 | 6.810     | 7.010 | 49.090             | 50.000            | -1.8  |
| Endrin ketone        | 7.629 | 7.525     | 7.725 | 50.760             | 50.000            | 1.5   |
| gamma-BHC (Lindane)  | 4.330 | 4.225     | 4.425 | 47.850             | 50.000            | -4.3  |
| gamma-Chlordane      | 5.945 | 5.840     | 6.040 | 48.450             | 50.000            | -3.1  |
| Heptachlor           | 4.928 | 4.823     | 5.023 | 56.100             | 50.000            | 12.2  |
| Heptachlor epoxide   | 5.688 | 5.584     | 5.784 | 48.870             | 50.000            | -2.3  |
| Methoxychlor         | 7.493 | 7.388     | 7.588 | 46.810             | 50.000            | -6.4  |
| Tetrachloro-m-xylene | 3.549 | 3.445     | 3.645 | 45.750             | 50.000            | -8.5  |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** HDRI08  
**Lab Code:** ACE **SDG NO.:** Q3466  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/28/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090880.D **Time Analyzed:** 13:50

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.919 | 5.821     | 6.021 | 49.130             | 50.000            | -1.7  |
| 4,4'-DDE             | 5.365 | 5.266     | 5.466 | 46.160             | 50.000            | -7.7  |
| 4,4'-DDT             | 6.173 | 6.074     | 6.274 | 45.570             | 50.000            | -8.9  |
| Aldrin               | 4.359 | 4.261     | 4.461 | 45.320             | 50.000            | -9.4  |
| alpha-BHC            | 3.385 | 3.287     | 3.487 | 45.620             | 50.000            | -8.8  |
| alpha-Chlordane      | 5.180 | 5.081     | 5.281 | 45.730             | 50.000            | -8.5  |
| beta-BHC             | 4.018 | 3.919     | 4.119 | 47.270             | 50.000            | -5.5  |
| Decachlorobiphenyl   | 8.060 | 7.962     | 8.162 | 49.890             | 50.000            | -0.2  |
| delta-BHC            | 4.253 | 4.155     | 4.355 | 45.880             | 50.000            | -8.2  |
| Dieldrin             | 5.503 | 5.404     | 5.604 | 46.470             | 50.000            | -7.1  |
| Endosulfan I         | 5.237 | 5.138     | 5.338 | 45.070             | 50.000            | -9.9  |
| Endosulfan II        | 6.071 | 5.972     | 6.172 | 47.430             | 50.000            | -5.1  |
| Endosulfan sulfate   | 6.473 | 6.374     | 6.574 | 47.920             | 50.000            | -4.2  |
| Endrin               | 5.779 | 5.681     | 5.881 | 45.370             | 50.000            | -9.3  |
| Endrin aldehyde      | 6.249 | 6.150     | 6.350 | 47.700             | 50.000            | -4.6  |
| Endrin ketone        | 6.982 | 6.883     | 7.083 | 51.450             | 50.000            | 2.9   |
| gamma-BHC (Lindane)  | 3.721 | 3.623     | 3.823 | 45.240             | 50.000            | -9.5  |
| gamma-Chlordane      | 5.115 | 5.017     | 5.217 | 45.760             | 50.000            | -8.5  |
| Heptachlor           | 4.073 | 3.975     | 4.175 | 46.820             | 50.000            | -6.4  |
| Heptachlor epoxide   | 4.863 | 4.764     | 4.964 | 44.400             | 50.000            | -11.2 |
| Methoxychlor         | 6.744 | 6.645     | 6.845 | 46.880             | 50.000            | -6.2  |
| Tetrachloro-m-xylene | 2.873 | 2.775     | 2.975 | 45.050             | 50.000            | -9.9  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090880.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 13:50  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
 Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:43:30 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.549 | 2.873 | 142.5E6  | 1341.4E6 | 45.753  | 45.049 |
| 28)                         | SA Decachlor... | 9.070 | 8.060 | 209.7E6  | 1511.2E6 | 44.837  | 49.890 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.999 | 3.385 | 349.0E6  | 2330.8E6 | 48.620  | 45.617 |
| 3)                          | MA gamma-BHC... | 4.330 | 3.721 | 325.3E6  | 2137.5E6 | 47.848  | 45.240 |
| 4)                          | MA Heptachlor   | 4.928 | 4.073 | 313.6E6  | 2088.1E6 | 56.105  | 46.816 |
| 5)                          | MB Aldrin       | 5.269 | 4.359 | 315.3E6  | 2099.0E6 | 48.153  | 45.316 |
| 6)                          | B beta-BHC      | 4.516 | 4.018 | 122.6E6  | 937.4E6  | 46.792m | 47.274 |
| 7)                          | B delta-BHC     | 4.766 | 4.253 | 329.0E6  | 2189.2E6 | 48.659  | 45.880 |
| 8)                          | B Heptachlo...  | 5.688 | 4.863 | 282.9E6  | 1893.0E6 | 48.868m | 44.397 |
| 9)                          | A Endosulfan I  | 6.073 | 5.237 | 267.3E6  | 1775.1E6 | 48.285  | 45.066 |
| 10)                         | B gamma-Chl...  | 5.945 | 5.115 | 287.4E6  | 2056.8E6 | 48.455  | 45.759 |
| 11)                         | B alpha-Chl...  | 6.025 | 5.180 | 304.8E6  | 1972.7E6 | 49.314  | 45.731 |
| 12)                         | B 4,4'-DDE      | 6.195 | 5.365 | 255.3E6  | 2023.6E6 | 47.934  | 46.161 |
| 13)                         | MA Dieldrin     | 6.345 | 5.503 | 284.4E6  | 2053.3E6 | 48.772  | 46.472 |
| 14)                         | MA Endrin       | 6.573 | 5.779 | 229.4E6  | 1837.3E6 | 46.311  | 45.373 |
| 15)                         | B Endosulfa...  | 6.785 | 6.071 | 239.2E6  | 1781.4E6 | 47.836  | 47.435 |
| 16)                         | A 4,4'-DDD      | 6.705 | 5.919 | 214.4E6  | 1790.1E6 | 52.874  | 49.126 |
| 17)                         | MA 4,4'-DDT     | 7.020 | 6.173 | 193.3E6  | 1598.4E6 | 47.022  | 45.574 |
| 18)                         | B Endrin al...  | 6.914 | 6.249 | 179.8E6  | 1321.0E6 | 49.092  | 47.701 |
| 19)                         | B Endosulfa...  | 7.149 | 6.473 | 225.3E6  | 1717.5E6 | 48.580  | 47.916 |
| 20)                         | A Methoxychlor  | 7.493 | 6.744 | 99502426 | 817.1E6  | 46.812  | 46.883 |
| 21)                         | B Endrin ke...  | 7.629 | 6.982 | 246.6E6  | 1940.4E6 | 50.759  | 51.446 |
| 22)                         | Mirex           | 8.111 | 7.174 | 155.5E6  | 1297.5E6 | 48.595  | 50.504 |
| -----                       |                 |       |       |          |          |         |        |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090880.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 13:50  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDCCC050

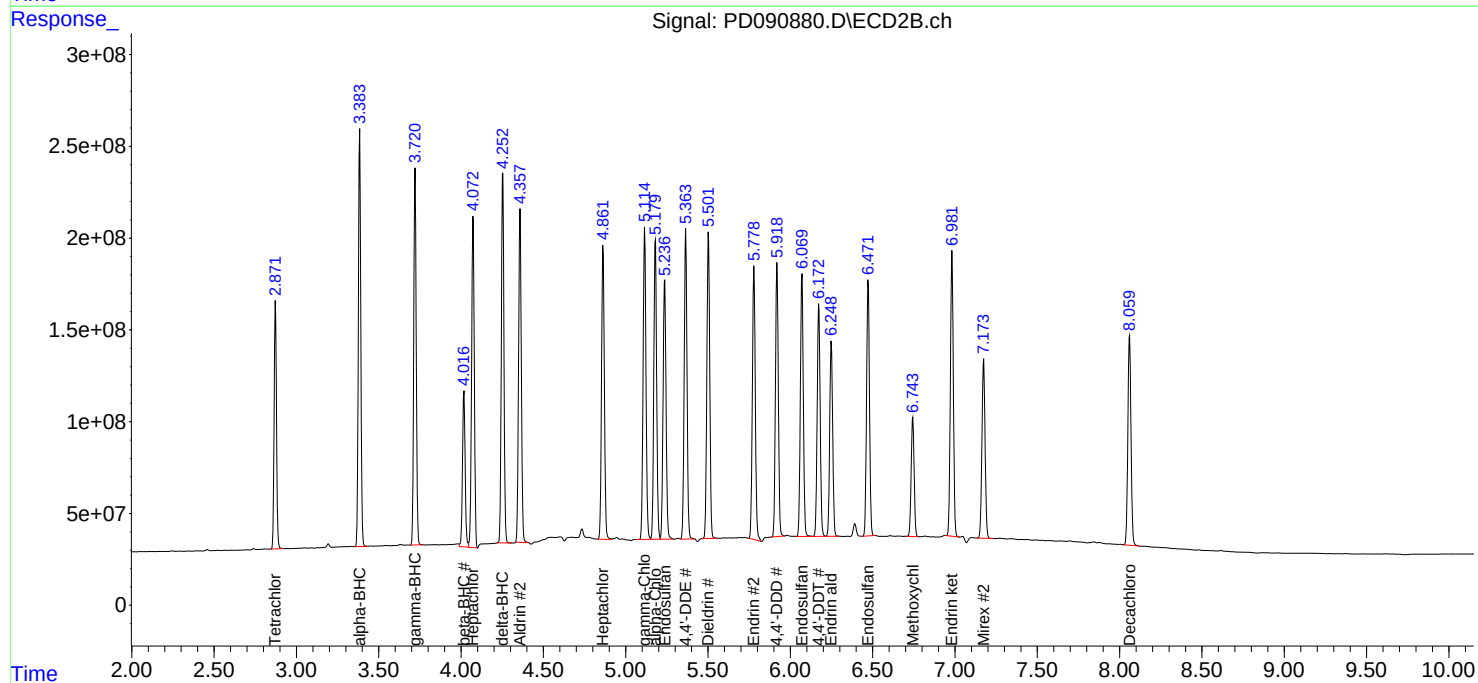
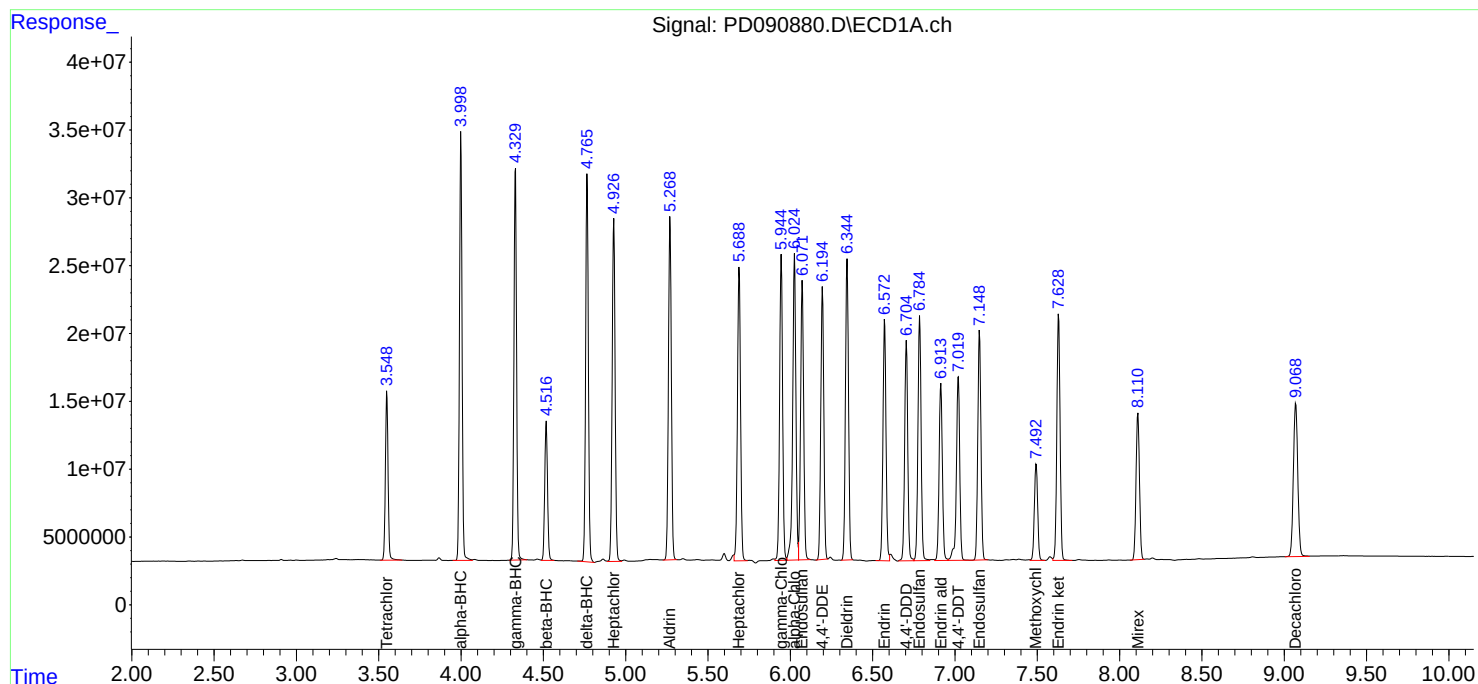
## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:43:30 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 17:52

Initial Calibration Time(s): 11:34

12:28

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.55      | 3.45      | 3.65 | 0.01       |
| alpha-BHC            | 3.99       | 3.99      | 3.89      | 4.09 | 0.00       |
| beta-BHC             | 4.51       | 4.51      | 4.41      | 4.61 | 0.00       |
| delta-BHC            | 4.76       | 4.76      | 4.66      | 4.86 | 0.00       |
| gamma-BHC (Lindane)  | 4.32       | 4.33      | 4.23      | 4.43 | 0.01       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 5.68      | 5.58      | 5.78 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.57       | 6.57      | 6.47      | 6.67 | 0.00       |
| Endosulfan II        | 6.78       | 6.78      | 6.68      | 6.88 | 0.00       |
| 4,4'-DDD             | 6.70       | 6.70      | 6.60      | 6.80 | 0.00       |
| Endosulfan sulfate   | 7.14       | 7.15      | 7.05      | 7.25 | 0.01       |
| 4,4'-DDT             | 7.01       | 7.02      | 6.92      | 7.12 | 0.01       |
| Methoxychlor         | 7.49       | 7.49      | 7.39      | 7.59 | 0.00       |
| Endrin ketone        | 7.62       | 7.63      | 7.53      | 7.73 | 0.01       |
| Endrin aldehyde      | 6.91       | 6.91      | 6.81      | 7.01 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 17:52

Initial Calibration Time(s): 11:34

12:28

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.06       | 8.06      | 7.96      | 8.16 | 0.00       |
| Tetrachloro-m-xylene | 2.87       | 2.88      | 2.78      | 2.98 | 0.01       |
| alpha-BHC            | 3.39       | 3.39      | 3.29      | 3.49 | 0.01       |
| beta-BHC             | 4.02       | 4.02      | 3.92      | 4.12 | 0.00       |
| delta-BHC            | 4.25       | 4.26      | 4.16      | 4.36 | 0.01       |
| gamma-BHC (Lindane)  | 3.72       | 3.72      | 3.62      | 3.82 | 0.00       |
| Heptachlor           | 4.07       | 4.08      | 3.98      | 4.18 | 0.01       |
| Aldrin               | 4.36       | 4.36      | 4.26      | 4.46 | 0.00       |
| Heptachlor epoxide   | 4.86       | 4.86      | 4.76      | 4.96 | 0.00       |
| Endosulfan I         | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Dieldrin             | 5.50       | 5.50      | 5.40      | 5.60 | 0.00       |
| 4,4'-DDE             | 5.36       | 5.37      | 5.27      | 5.47 | 0.01       |
| Endrin               | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan II        | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| 4,4'-DDD             | 5.92       | 5.92      | 5.82      | 6.02 | 0.00       |
| Endosulfan sulfate   | 6.47       | 6.47      | 6.37      | 6.57 | 0.00       |
| 4,4'-DDT             | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| Methoxychlor         | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Endrin ketone        | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Endrin aldehyde      | 6.25       | 6.25      | 6.15      | 6.35 | 0.00       |
| alpha-Chlordane      | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| gamma-Chlordane      | 5.11       | 5.12      | 5.02      | 5.22 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** HDRI08  
**Lab Code:** ACE **SDG NO.:** Q3466  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/28/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090892.D **Time Analyzed:** 17:52

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.697 | 6.600     | 6.800 | 51.450             | 50.000            | 2.9   |
| 4,4'-DDE             | 6.188 | 6.090     | 6.290 | 46.680             | 50.000            | -6.6  |
| 4,4'-DDT             | 7.013 | 6.915     | 7.115 | 44.150             | 50.000            | -11.7 |
| Aldrin               | 5.263 | 5.164     | 5.364 | 47.620             | 50.000            | -4.8  |
| alpha-BHC            | 3.992 | 3.894     | 4.094 | 48.380             | 50.000            | -3.2  |
| alpha-Chlordane      | 6.018 | 5.921     | 6.121 | 47.490             | 50.000            | -5.0  |
| beta-BHC             | 4.510 | 4.412     | 4.612 | 46.830             | 50.000            | -6.3  |
| Decachlorobiphenyl   | 9.061 | 8.964     | 9.164 | 44.310             | 50.000            | -11.4 |
| delta-BHC            | 4.758 | 4.660     | 4.860 | 48.380             | 50.000            | -3.2  |
| Dieldrin             | 6.338 | 6.240     | 6.440 | 47.610             | 50.000            | -4.8  |
| Endosulfan I         | 6.066 | 5.968     | 6.168 | 47.290             | 50.000            | -5.4  |
| Endosulfan II        | 6.779 | 6.681     | 6.881 | 46.450             | 50.000            | -7.1  |
| Endosulfan sulfate   | 7.142 | 7.045     | 7.245 | 46.810             | 50.000            | -6.4  |
| Endrin               | 6.565 | 6.468     | 6.668 | 44.800             | 50.000            | -10.4 |
| Endrin aldehyde      | 6.907 | 6.810     | 7.010 | 46.920             | 50.000            | -6.2  |
| Endrin ketone        | 7.623 | 7.525     | 7.725 | 49.330             | 50.000            | -1.3  |
| gamma-BHC (Lindane)  | 4.323 | 4.225     | 4.425 | 47.650             | 50.000            | -4.7  |
| gamma-Chlordane      | 5.937 | 5.840     | 6.040 | 47.140             | 50.000            | -5.7  |
| Heptachlor           | 4.921 | 4.823     | 5.023 | 55.050             | 50.000            | 10.1  |
| Heptachlor epoxide   | 5.682 | 5.584     | 5.784 | 48.630             | 50.000            | -2.7  |
| Methoxychlor         | 7.486 | 7.388     | 7.588 | 45.090             | 50.000            | -9.8  |
| Tetrachloro-m-xylene | 3.543 | 3.445     | 3.645 | 46.400             | 50.000            | -7.2  |



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### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** HDRI08  
**Lab Code:** ACE **SDG NO.:** Q3466  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/28/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090892.D **Time Analyzed:** 17:52

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 5.918 | 5.821     | 6.021 | 49.050             | 50.000            | -1.9  |
| 4,4'-DDE             | 5.363 | 5.266     | 5.466 | 46.140             | 50.000            | -7.7  |
| 4,4'-DDT             | 6.171 | 6.074     | 6.274 | 43.960             | 50.000            | -12.1 |
| Aldrin               | 4.358 | 4.261     | 4.461 | 45.800             | 50.000            | -8.4  |
| alpha-BHC            | 3.385 | 3.287     | 3.487 | 45.860             | 50.000            | -8.3  |
| alpha-Chlordane      | 5.179 | 5.081     | 5.281 | 45.630             | 50.000            | -8.7  |
| beta-BHC             | 4.017 | 3.919     | 4.119 | 47.490             | 50.000            | -5.0  |
| Decachlorobiphenyl   | 8.058 | 7.962     | 8.162 | 47.520             | 50.000            | -5.0  |
| delta-BHC            | 4.253 | 4.155     | 4.355 | 45.860             | 50.000            | -8.3  |
| Dieldrin             | 5.501 | 5.404     | 5.604 | 46.240             | 50.000            | -7.5  |
| Endosulfan I         | 5.235 | 5.138     | 5.338 | 44.570             | 50.000            | -10.9 |
| Endosulfan II        | 6.069 | 5.972     | 6.172 | 46.570             | 50.000            | -6.9  |
| Endosulfan sulfate   | 6.471 | 6.374     | 6.574 | 46.950             | 50.000            | -6.1  |
| Endrin               | 5.778 | 5.681     | 5.881 | 44.720             | 50.000            | -10.6 |
| Endrin aldehyde      | 6.247 | 6.150     | 6.350 | 46.850             | 50.000            | -6.3  |
| Endrin ketone        | 6.980 | 6.883     | 7.083 | 49.870             | 50.000            | -0.3  |
| gamma-BHC (Lindane)  | 3.721 | 3.623     | 3.823 | 45.460             | 50.000            | -9.1  |
| gamma-Chlordane      | 5.114 | 5.017     | 5.217 | 45.680             | 50.000            | -8.6  |
| Heptachlor           | 4.073 | 3.975     | 4.175 | 46.780             | 50.000            | -6.4  |
| Heptachlor epoxide   | 4.861 | 4.764     | 4.964 | 44.870             | 50.000            | -10.3 |
| Methoxychlor         | 6.742 | 6.645     | 6.845 | 45.090             | 50.000            | -9.8  |
| Tetrachloro-m-xylene | 2.873 | 2.775     | 2.975 | 45.260             | 50.000            | -9.5  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090892.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 17:52  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:45:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.543 | 2.873 | 144.5E6  | 1347.8E6 | 46.402 | 45.262 |
| 28)                         | SA Decachlor... | 9.061 | 8.058 | 207.3E6  | 1439.5E6 | 44.308 | 47.523 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.992 | 3.385 | 347.2E6  | 2343.5E6 | 48.380 | 45.864 |
| 3)                          | MA gamma-BHC... | 4.323 | 3.721 | 323.9E6  | 2148.0E6 | 47.646 | 45.462 |
| 4)                          | MA Heptachlor   | 4.921 | 4.073 | 307.7E6  | 2086.5E6 | 55.048 | 46.780 |
| 5)                          | MB Aldrin       | 5.263 | 4.358 | 311.8E6  | 2121.3E6 | 47.620 | 45.797 |
| 6)                          | B beta-BHC      | 4.510 | 4.017 | 122.7E6  | 941.7E6  | 46.828 | 47.492 |
| 7)                          | B delta-BHC     | 4.758 | 4.253 | 327.1E6  | 2188.3E6 | 48.380 | 45.860 |
| 8)                          | B Heptachlo...  | 5.682 | 4.861 | 281.5E6  | 1913.2E6 | 48.626 | 44.871 |
| 9)                          | A Endosulfan I  | 6.066 | 5.235 | 261.9E6  | 1755.6E6 | 47.294 | 44.569 |
| 10)                         | B gamma-Chl...  | 5.937 | 5.114 | 279.6E6  | 2053.4E6 | 47.145 | 45.683 |
| 11)                         | B alpha-Chl...  | 6.018 | 5.179 | 293.5E6  | 1968.4E6 | 47.493 | 45.630 |
| 12)                         | B 4,4'-DDE      | 6.188 | 5.363 | 248.7E6  | 2022.6E6 | 46.681 | 46.138 |
| 13)                         | MA Dieldrin     | 6.338 | 5.501 | 277.6E6  | 2043.1E6 | 47.605 | 46.241 |
| 14)                         | MA Endrin       | 6.565 | 5.778 | 221.9E6  | 1810.9E6 | 44.796 | 44.719 |
| 15)                         | B Endosulfa...  | 6.779 | 6.069 | 232.2E6  | 1749.0E6 | 46.448 | 46.571 |
| 16)                         | A 4,4'-DDD      | 6.697 | 5.918 | 208.6E6  | 1787.4E6 | 51.455 | 49.053 |
| 17)                         | MA 4,4'-DDT     | 7.013 | 6.171 | 181.5E6  | 1541.7E6 | 44.153 | 43.956 |
| 18)                         | B Endrin al...  | 6.907 | 6.247 | 171.8E6  | 1297.5E6 | 46.916 | 46.853 |
| 19)                         | B Endosulfa...  | 7.142 | 6.471 | 217.1E6  | 1682.9E6 | 46.813 | 46.949 |
| 20)                         | A Methoxychlor  | 7.486 | 6.742 | 95832413 | 785.7E6  | 45.085 | 45.085 |
| 21)                         | B Endrin ke...  | 7.623 | 6.980 | 239.7E6  | 1881.1E6 | 49.325 | 49.873 |
| 22)                         | Mirex           | 8.104 | 7.172 | 150.7E6  | 1227.2E6 | 47.087 | 47.769 |
| -----                       |                 |       |       |          |          |        |        |

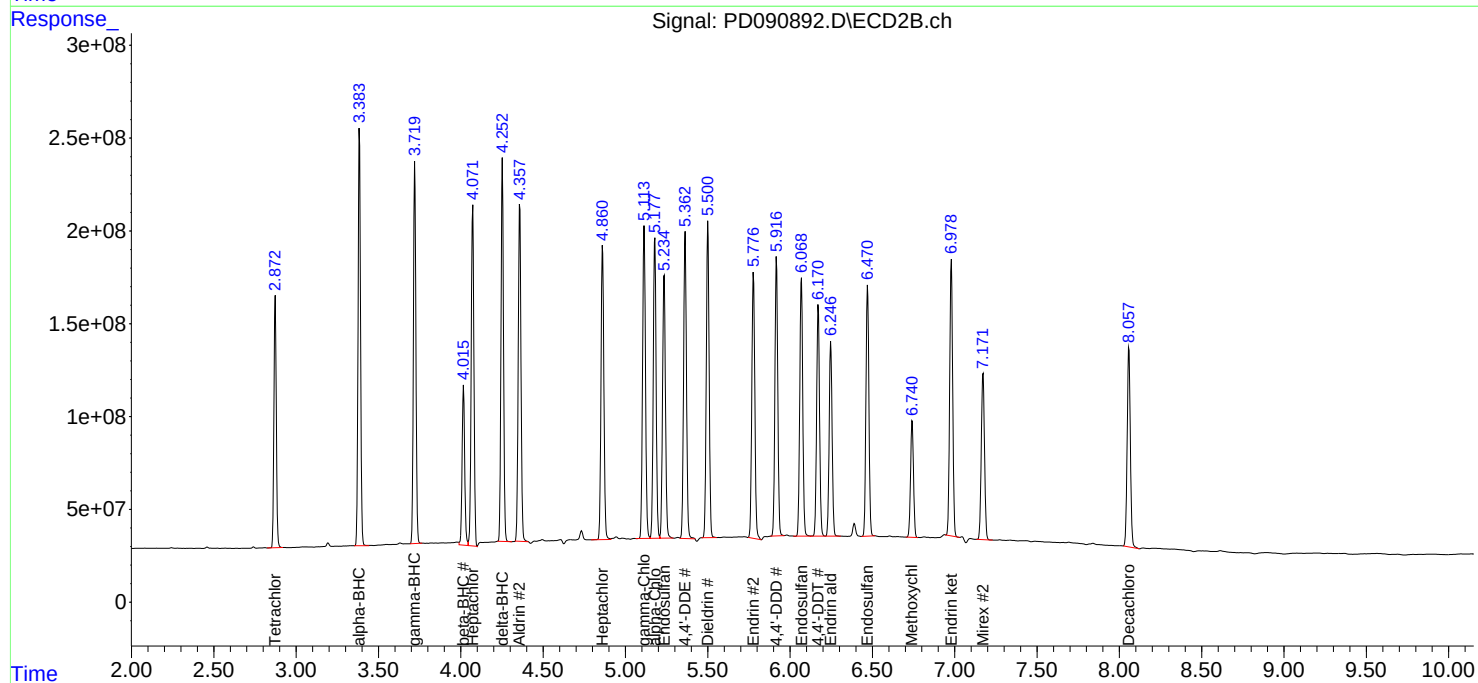
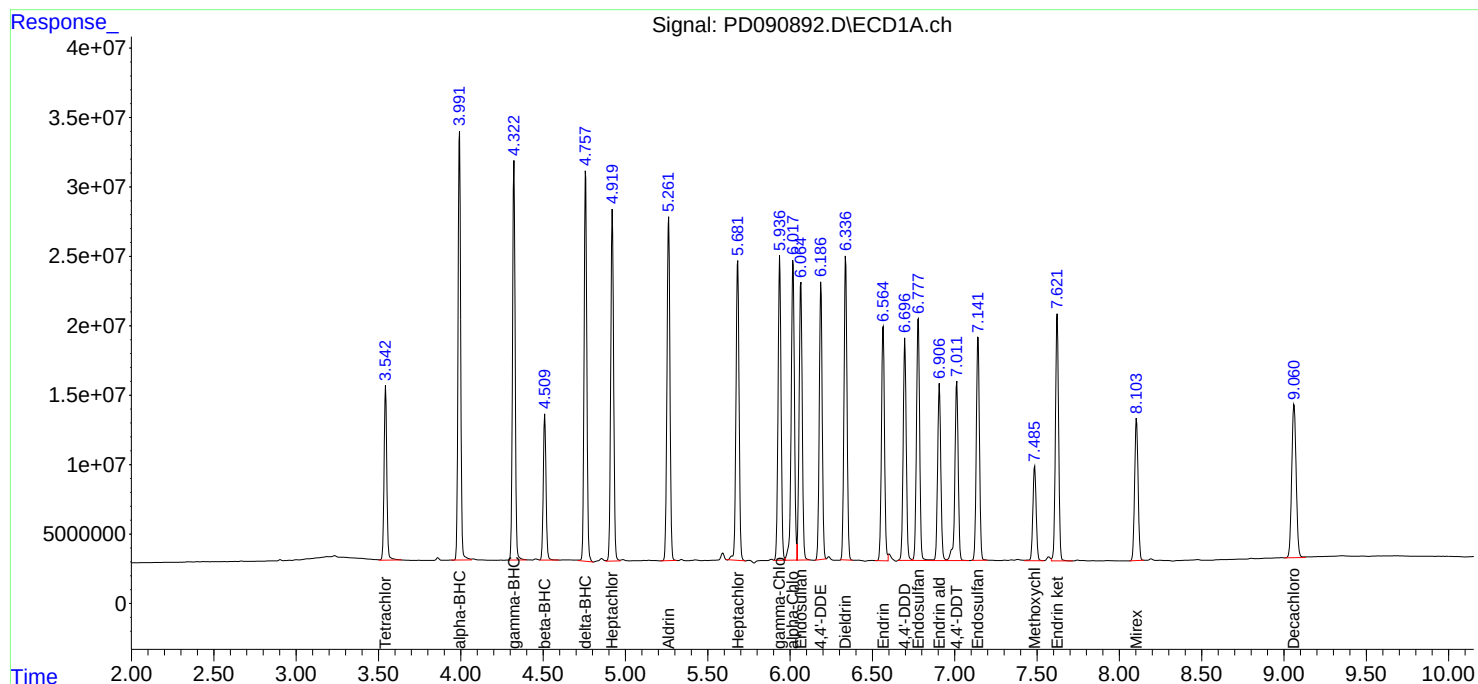
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090892.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 17:52  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:45:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 21:58

Initial Calibration Time(s): 11:34

12:28

GC Column: ZB-MR1 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 9.06       | 9.06      | 8.96      | 9.16 | 0.00       |
| Tetrachloro-m-xylene | 3.54       | 3.55      | 3.45      | 3.65 | 0.01       |
| alpha-BHC            | 3.99       | 3.99      | 3.89      | 4.09 | 0.00       |
| beta-BHC             | 4.51       | 4.51      | 4.41      | 4.61 | 0.00       |
| delta-BHC            | 4.76       | 4.76      | 4.66      | 4.86 | 0.00       |
| gamma-BHC (Lindane)  | 4.32       | 4.33      | 4.23      | 4.43 | 0.01       |
| Heptachlor           | 4.92       | 4.92      | 4.82      | 5.02 | 0.00       |
| Aldrin               | 5.26       | 5.26      | 5.16      | 5.36 | 0.00       |
| Heptachlor epoxide   | 5.68       | 5.68      | 5.58      | 5.78 | 0.00       |
| Endosulfan I         | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| Dieldrin             | 6.34       | 6.34      | 6.24      | 6.44 | 0.00       |
| 4,4'-DDE             | 6.19       | 6.19      | 6.09      | 6.29 | 0.00       |
| Endrin               | 6.57       | 6.57      | 6.47      | 6.67 | 0.00       |
| Endosulfan II        | 6.78       | 6.78      | 6.68      | 6.88 | 0.00       |
| 4,4'-DDD             | 6.70       | 6.70      | 6.60      | 6.80 | 0.00       |
| Endosulfan sulfate   | 7.14       | 7.15      | 7.05      | 7.25 | 0.01       |
| 4,4'-DDT             | 7.01       | 7.02      | 6.92      | 7.12 | 0.01       |
| Methoxychlor         | 7.49       | 7.49      | 7.39      | 7.59 | 0.00       |
| Endrin ketone        | 7.62       | 7.63      | 7.53      | 7.73 | 0.01       |
| Endrin aldehyde      | 6.91       | 6.91      | 6.81      | 7.01 | 0.00       |
| alpha-Chlordane      | 6.02       | 6.02      | 5.92      | 6.12 | 0.00       |
| gamma-Chlordane      | 5.94       | 5.94      | 5.84      | 6.04 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 21:58

Initial Calibration Time(s): 11:34

12:28

GC Column: ZB-MR2 ID: 0.32 (mm)

| COMPOUND             | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|------------|-----------|-----------|------|------------|
|                      |            |           | FROM      | TO   |            |
| Decachlorobiphenyl   | 8.06       | 8.06      | 7.96      | 8.16 | 0.00       |
| Tetrachloro-m-xylene | 2.87       | 2.88      | 2.78      | 2.98 | 0.01       |
| alpha-BHC            | 3.39       | 3.39      | 3.29      | 3.49 | 0.01       |
| beta-BHC             | 4.02       | 4.02      | 3.92      | 4.12 | 0.00       |
| delta-BHC            | 4.25       | 4.26      | 4.16      | 4.36 | 0.01       |
| gamma-BHC (Lindane)  | 3.72       | 3.72      | 3.62      | 3.82 | 0.00       |
| Heptachlor           | 4.07       | 4.08      | 3.98      | 4.18 | 0.01       |
| Aldrin               | 4.36       | 4.36      | 4.26      | 4.46 | 0.00       |
| Heptachlor epoxide   | 4.86       | 4.86      | 4.76      | 4.96 | 0.00       |
| Endosulfan I         | 5.24       | 5.24      | 5.14      | 5.34 | 0.00       |
| Dieldrin             | 5.50       | 5.50      | 5.40      | 5.60 | 0.00       |
| 4,4'-DDE             | 5.36       | 5.37      | 5.27      | 5.47 | 0.01       |
| Endrin               | 5.78       | 5.78      | 5.68      | 5.88 | 0.00       |
| Endosulfan II        | 6.07       | 6.07      | 5.97      | 6.17 | 0.00       |
| 4,4'-DDD             | 5.92       | 5.92      | 5.82      | 6.02 | 0.00       |
| Endosulfan sulfate   | 6.47       | 6.47      | 6.37      | 6.57 | 0.00       |
| 4,4'-DDT             | 6.17       | 6.17      | 6.07      | 6.27 | 0.00       |
| Methoxychlor         | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Endrin ketone        | 6.98       | 6.98      | 6.88      | 7.08 | 0.00       |
| Endrin aldehyde      | 6.25       | 6.25      | 6.15      | 6.35 | 0.00       |
| alpha-Chlordane      | 5.18       | 5.18      | 5.08      | 5.28 | 0.00       |
| gamma-Chlordane      | 5.11       | 5.12      | 5.02      | 5.22 | 0.01       |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** HDRI08  
**Lab Code:** ACE **SDG NO.:** Q3466  
**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 10/28/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090902.D **Time Analyzed:** 21:58

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| 4,4'-DDD             | 6.698 | 6.600     | 6.800 | 51.800             | 50.000            | 3.6   |
| 4,4'-DDE             | 6.188 | 6.090     | 6.290 | 47.120             | 50.000            | -5.8  |
| 4,4'-DDT             | 7.014 | 6.915     | 7.115 | 44.680             | 50.000            | -10.6 |
| Aldrin               | 5.262 | 5.164     | 5.364 | 49.050             | 50.000            | -1.9  |
| alpha-BHC            | 3.993 | 3.894     | 4.094 | 49.510             | 50.000            | -1.0  |
| alpha-Chlordane      | 6.019 | 5.921     | 6.121 | 48.260             | 50.000            | -3.5  |
| beta-BHC             | 4.511 | 4.412     | 4.612 | 48.060             | 50.000            | -3.9  |
| Decachlorobiphenyl   | 9.062 | 8.964     | 9.164 | 43.030             | 50.000            | -13.9 |
| delta-BHC            | 4.759 | 4.660     | 4.860 | 49.530             | 50.000            | -0.9  |
| Dieldrin             | 6.339 | 6.240     | 6.440 | 48.170             | 50.000            | -3.7  |
| Endosulfan I         | 6.067 | 5.968     | 6.168 | 47.840             | 50.000            | -4.3  |
| Endosulfan II        | 6.779 | 6.681     | 6.881 | 46.470             | 50.000            | -7.1  |
| Endosulfan sulfate   | 7.143 | 7.045     | 7.245 | 47.130             | 50.000            | -5.7  |
| Endrin               | 6.566 | 6.468     | 6.668 | 45.750             | 50.000            | -8.5  |
| Endrin aldehyde      | 6.908 | 6.810     | 7.010 | 47.510             | 50.000            | -5.0  |
| Endrin ketone        | 7.623 | 7.525     | 7.725 | 48.830             | 50.000            | -2.3  |
| gamma-BHC (Lindane)  | 4.324 | 4.225     | 4.425 | 48.790             | 50.000            | -2.4  |
| gamma-Chlordane      | 5.938 | 5.840     | 6.040 | 47.750             | 50.000            | -4.5  |
| Heptachlor           | 4.921 | 4.823     | 5.023 | 56.510             | 50.000            | 13.0  |
| Heptachlor epoxide   | 5.683 | 5.584     | 5.784 | 49.190             | 50.000            | -1.6  |
| Methoxychlor         | 7.487 | 7.388     | 7.588 | 44.500             | 50.000            | -11.0 |
| Tetrachloro-m-xylene | 3.544 | 3.445     | 3.645 | 47.130             | 50.000            | -5.7  |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** HDRI08  
**Lab Code:** ACE **SDG NO.:** Q3466  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 10/28/2025  
**Lab Sample No.:** PSTDCCC050 **Data File :** PD090902.D **Time Analyzed:** 21:58

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| 4,4'-DDD             | 5.918 | 5.821     | 6.021 | 50.560             | 50.000            | 1.1  |
| 4,4'-DDE             | 5.363 | 5.266     | 5.466 | 47.870             | 50.000            | -4.3 |
| 4,4'-DDT             | 6.172 | 6.074     | 6.274 | 45.310             | 50.000            | -9.4 |
| Aldrin               | 4.358 | 4.261     | 4.461 | 47.150             | 50.000            | -5.7 |
| alpha-BHC            | 3.385 | 3.287     | 3.487 | 47.140             | 50.000            | -5.7 |
| alpha-Chlordane      | 5.179 | 5.081     | 5.281 | 47.270             | 50.000            | -5.5 |
| beta-BHC             | 4.017 | 3.919     | 4.119 | 48.800             | 50.000            | -2.4 |
| Decachlorobiphenyl   | 8.058 | 7.962     | 8.162 | 48.180             | 50.000            | -3.6 |
| delta-BHC            | 4.253 | 4.155     | 4.355 | 47.490             | 50.000            | -5.0 |
| Dieldrin             | 5.501 | 5.404     | 5.604 | 47.760             | 50.000            | -4.5 |
| Endosulfan I         | 5.236 | 5.138     | 5.338 | 46.110             | 50.000            | -7.8 |
| Endosulfan II        | 6.070 | 5.972     | 6.172 | 48.060             | 50.000            | -3.9 |
| Endosulfan sulfate   | 6.471 | 6.374     | 6.574 | 48.320             | 50.000            | -3.4 |
| Endrin               | 5.778 | 5.681     | 5.881 | 46.640             | 50.000            | -6.7 |
| Endrin aldehyde      | 6.247 | 6.150     | 6.350 | 48.330             | 50.000            | -3.3 |
| Endrin ketone        | 6.980 | 6.883     | 7.083 | 49.950             | 50.000            | -0.1 |
| gamma-BHC (Lindane)  | 3.721 | 3.623     | 3.823 | 46.830             | 50.000            | -6.3 |
| gamma-Chlordane      | 5.114 | 5.017     | 5.217 | 47.490             | 50.000            | -5.0 |
| Heptachlor           | 4.073 | 3.975     | 4.175 | 47.980             | 50.000            | -4.0 |
| Heptachlor epoxide   | 4.862 | 4.764     | 4.964 | 46.330             | 50.000            | -7.3 |
| Methoxychlor         | 6.742 | 6.645     | 6.845 | 46.210             | 50.000            | -7.6 |
| Tetrachloro-m-xylene | 2.873 | 2.775     | 2.975 | 46.500             | 50.000            | -7.0 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090902.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 21:58  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:47:58 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.544 | 2.873 | 146.8E6  | 1384.7E6 | 47.130 | 46.503 |
| 28)                         | SA Decachlor... | 9.062 | 8.058 | 201.3E6  | 1459.4E6 | 43.027 | 48.180 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 355.3E6  | 2408.6E6 | 49.510 | 47.139 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.721 | 331.7E6  | 2212.8E6 | 48.789 | 46.833 |
| 4)                          | MA Heptachlor   | 4.921 | 4.073 | 315.9E6  | 2140.1E6 | 56.511 | 47.982 |
| 5)                          | MB Aldrin       | 5.262 | 4.358 | 321.2E6  | 2184.1E6 | 49.052 | 47.153 |
| 6)                          | B beta-BHC      | 4.511 | 4.017 | 125.9E6  | 967.6E6  | 48.056 | 48.797 |
| 7)                          | B delta-BHC     | 4.759 | 4.253 | 334.9E6  | 2266.2E6 | 49.534 | 47.493 |
| 8)                          | B Heptachlo...  | 5.683 | 4.862 | 284.8E6  | 1975.3E6 | 49.190 | 46.327 |
| 9)                          | A Endosulfan I  | 6.067 | 5.236 | 264.9E6  | 1816.3E6 | 47.839 | 46.110 |
| 10)                         | B gamma-Chl...  | 5.938 | 5.114 | 283.2E6  | 2134.6E6 | 47.751 | 47.491 |
| 11)                         | B alpha-Chl...  | 6.019 | 5.179 | 298.2E6  | 2039.1E6 | 48.257 | 47.270 |
| 12)                         | B 4,4'-DDE      | 6.188 | 5.363 | 251.0E6  | 2098.6E6 | 47.115 | 47.872 |
| 13)                         | MA Dieldrin     | 6.339 | 5.501 | 280.9E6  | 2110.3E6 | 48.171 | 47.762 |
| 14)                         | MA Endrin       | 6.566 | 5.778 | 226.6E6  | 1888.5E6 | 45.748 | 46.637 |
| 15)                         | B Endosulfa...  | 6.779 | 6.070 | 232.4E6  | 1804.8E6 | 46.475 | 48.056 |
| 16)                         | A 4,4'-DDD      | 6.698 | 5.918 | 210.0E6  | 1842.4E6 | 51.800 | 50.562 |
| 17)                         | MA 4,4'-DDT     | 7.014 | 6.172 | 183.6E6  | 1589.2E6 | 44.678 | 45.312 |
| 18)                         | B Endrin al...  | 6.908 | 6.247 | 174.0E6  | 1338.3E6 | 47.513 | 48.325 |
| 19)                         | B Endosulfa...  | 7.143 | 6.471 | 218.6E6  | 1732.1E6 | 47.134 | 48.322 |
| 20)                         | A Methoxychlor  | 7.487 | 6.742 | 94579209 | 805.3E6  | 44.496 | 46.209 |
| 21)                         | B Endrin ke...  | 7.623 | 6.980 | 237.3E6  | 1884.1E6 | 48.835 | 49.953 |
| 22)                         | Mirex           | 8.105 | 7.172 | 146.5E6  | 1241.0E6 | 45.782 | 48.305 |
| -----                       |                 |       |       |          |          |        |        |

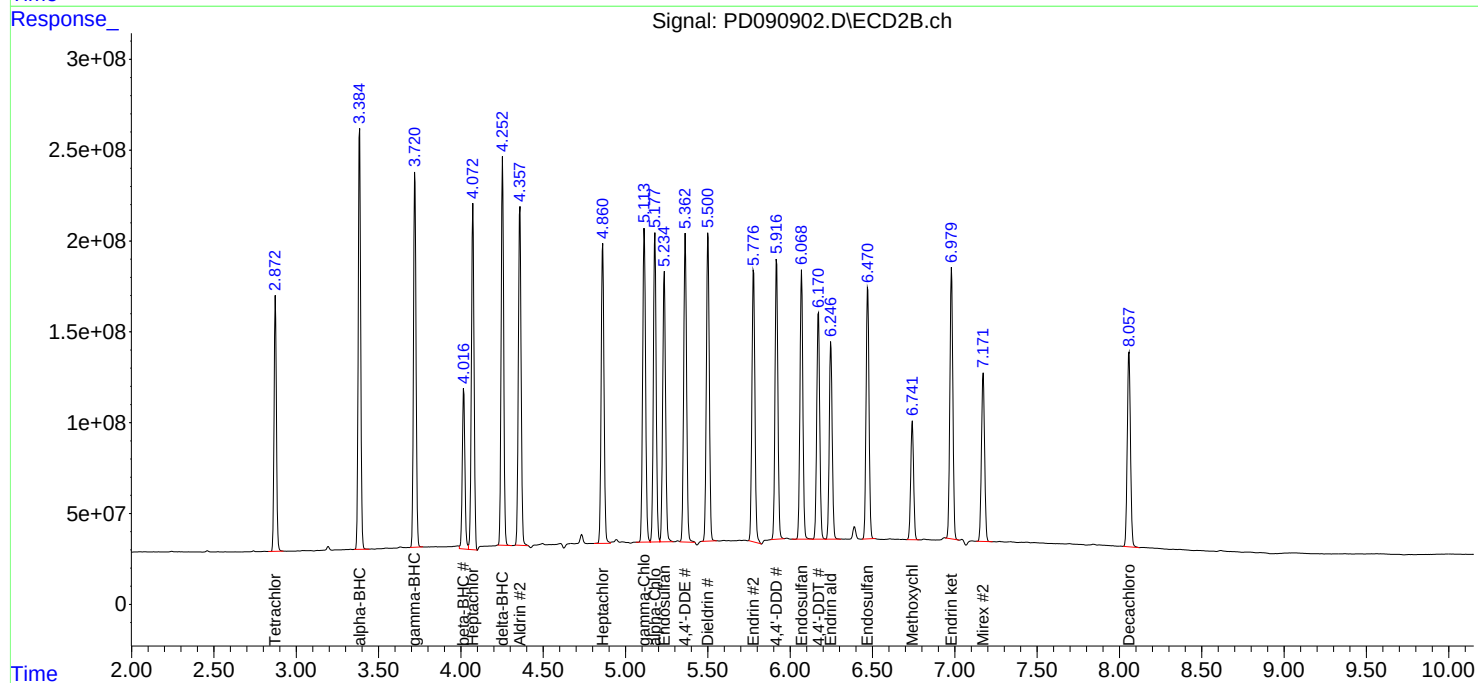
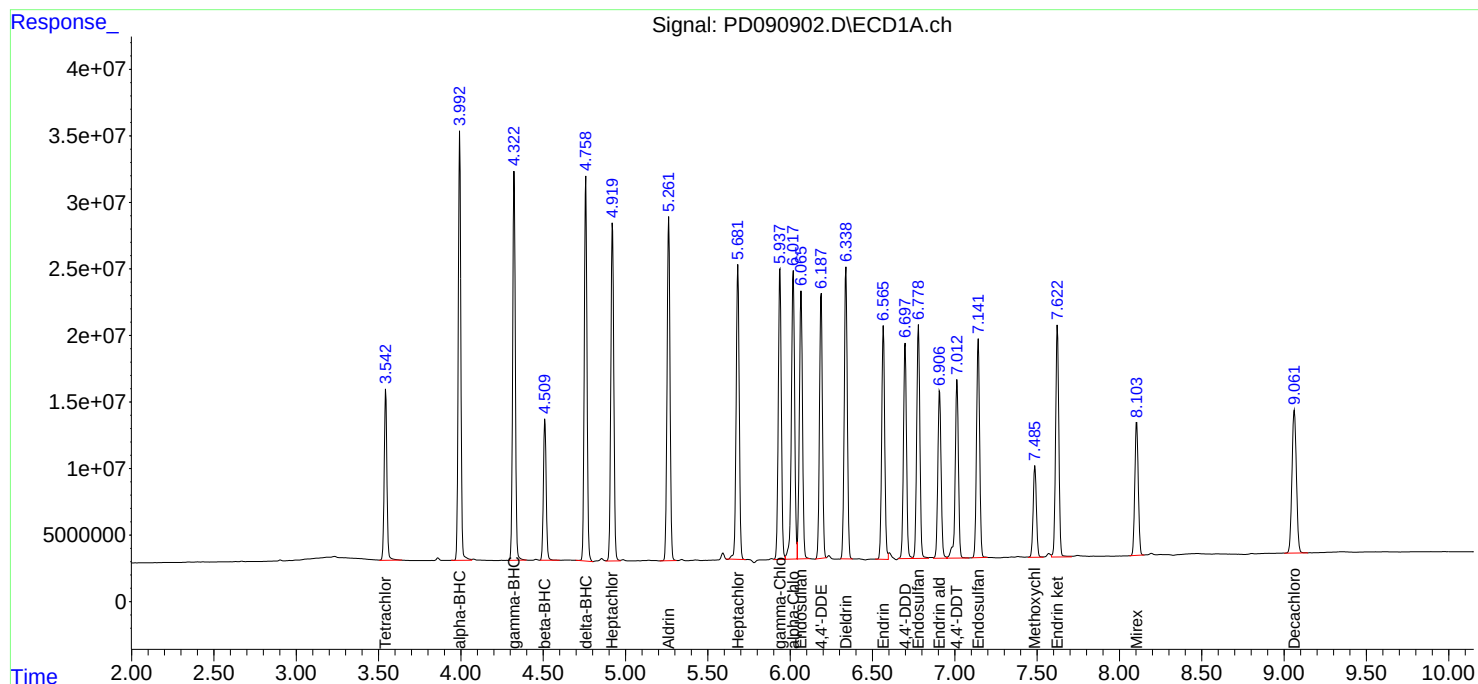
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090902.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 21:58  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:47:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 9.066 | 8.970     | 9.170 | 22.860             | 20.000            | 14.3 |
| Tetrachloro-m-xylene | 3.544 | 3.490     | 3.590 | 21.710             | 20.000            | 8.6  |
| alpha-BHC            | 3.994 | 3.940     | 4.040 | 9.050              | 10.000            | -9.5 |
| beta-BHC             | 4.512 | 4.460     | 4.560 | 10.070             | 10.000            | 0.7  |
| gamma-BHC (Lindane)  | 4.324 | 4.270     | 4.370 | 9.330              | 10.000            | -6.7 |
| Endrin               | 6.568 | 6.500     | 6.640 | 49.200             | 50.000            | -1.6 |
| 4,4'-DDT             | 7.016 | 6.950     | 7.090 | 100.270            | 100.000           | 0.3  |
| Methoxychlor         | 7.489 | 7.420     | 7.560 | 236.810            | 250.000           | -5.3 |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 8.062 | 7.960     | 8.160 | 21.400             | 20.000            | 7.0   |
| Tetrachloro-m-xylene | 2.875 | 2.820     | 2.930 | 21.220             | 20.000            | 6.1   |
| alpha-BHC            | 3.386 | 3.340     | 3.440 | 10.300             | 10.000            | 3.0   |
| beta-BHC             | 4.019 | 3.970     | 4.070 | 10.460             | 10.000            | 4.6   |
| gamma-BHC (Lindane)  | 3.723 | 3.670     | 3.770 | 10.340             | 10.000            | 3.4   |
| Endrin               | 5.781 | 5.710     | 5.850 | 47.940             | 50.000            | -4.1  |
| 4,4'-DDT             | 6.174 | 6.100     | 6.240 | 95.670             | 100.000           | -4.3  |
| Methoxychlor         | 6.745 | 6.670     | 6.820 | 201.830            | 250.000           | -19.3 |

PEM  
 Data File: PD090648.D Date Acquired 10/17/2025 11:07  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.57 | 243728295.7 | 249054181.9           | 5325886.17          | 2.14         |
| Endrin aldehyde | 6.91 | 1372426.584 |                       |                     |              |
| Endrin ketone   | 7.63 | 3953459.588 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.78 | 1941282940  | 1991060515            | 49777575.7          | 2.50         |
| Endrin aldehyde #2 | 6.25 | 19940698.04 |                       |                     |              |
| Endrin ketone #2   | 6.98 | 29836877.65 |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.02 | 412144601.3 | 415215115.8               | 3070514.5             | 0.74         |
| 4,4'-DDE | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD | 6.70 | 3070514.503 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.17 | 3355351424  | 3394188860                | 38837436.1            | 1.14         |
| 4,4'-DDE #2 | 0.00 | 0           |                           |                       |              |
| 4,4'-DDD #2 | 5.92 | 38837436.09 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090648.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 11:07  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 14:04:16 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 14:02:33 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.875 | 67593250 | 632.0E6  | 21.705  | 21.224  |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 106.9E6  | 648.1E6  | 22.859  | 21.395  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.994 | 3.386 | 64971308 | 526.5E6  | 9.053   | 10.304  |
| 3)                          | MA gamma-BHC... | 4.324 | 3.723 | 63399907 | 488.4E6  | 9.325   | 10.337  |
| 6)                          | B beta-BHC      | 4.512 | 4.019 | 26386693 | 207.4E6  | 10.073  | 10.459  |
| 14)                         | MA Endrin       | 6.568 | 5.781 | 243.7E6  | 1941.3E6 | 49.201  | 47.940  |
| 16)                         | A 4,4'-DDD      | 6.701 | 5.923 | 3070515  | 38837436 | 0.757   | 1.066 # |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.174 | 412.1E6  | 3355.4E6 | 100.267 | 95.667  |
| 18)                         | B Endrin al...  | 6.913 | 6.248 | 1372427  | 19940698 | 0.375m  | 0.720 # |
| 20)                         | A Methoxychlor  | 7.489 | 6.745 | 503.3E6  | 3517.5E6 | 236.805 | 201.834 |
| 21)                         | B Endrin ke...  | 7.625 | 6.981 | 3953460  | 29836878 | 0.814   | 0.791m  |
| -----                       |                 |       |       |          |          |         |         |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090648.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 11:07  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

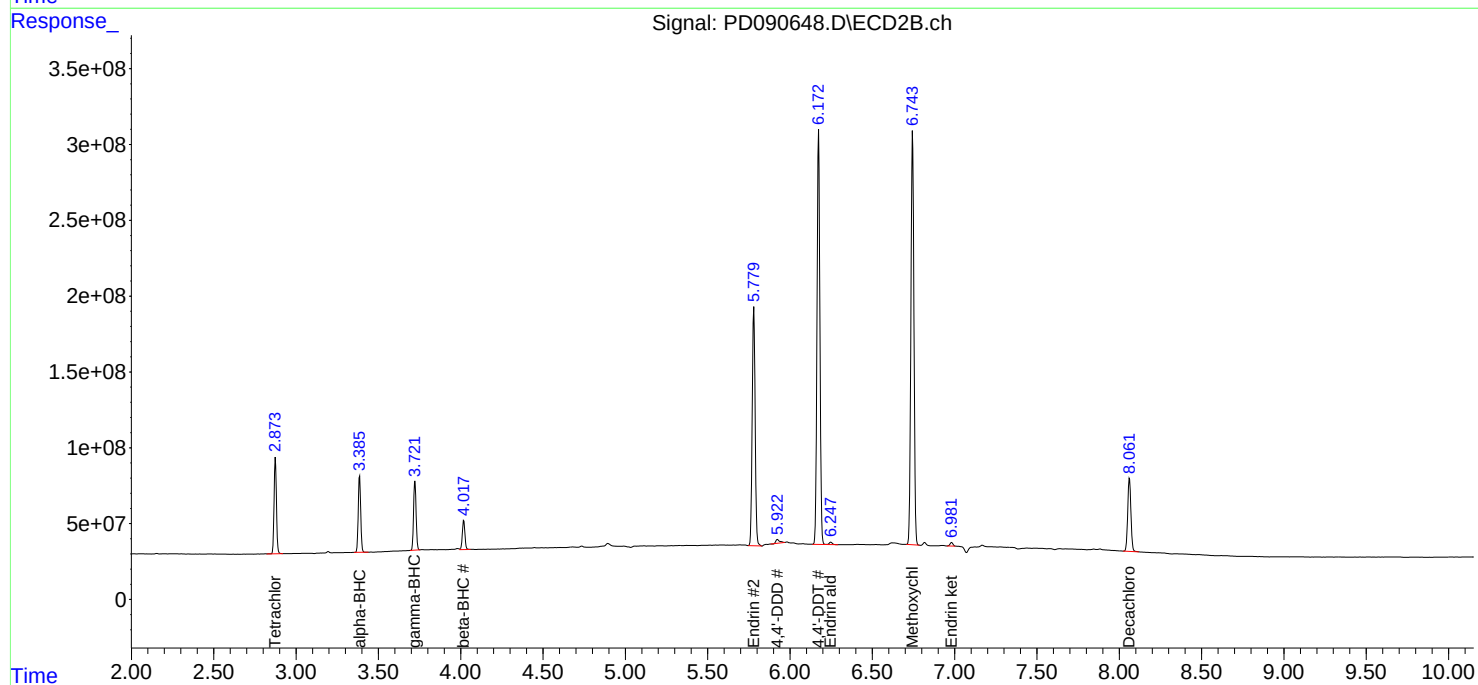
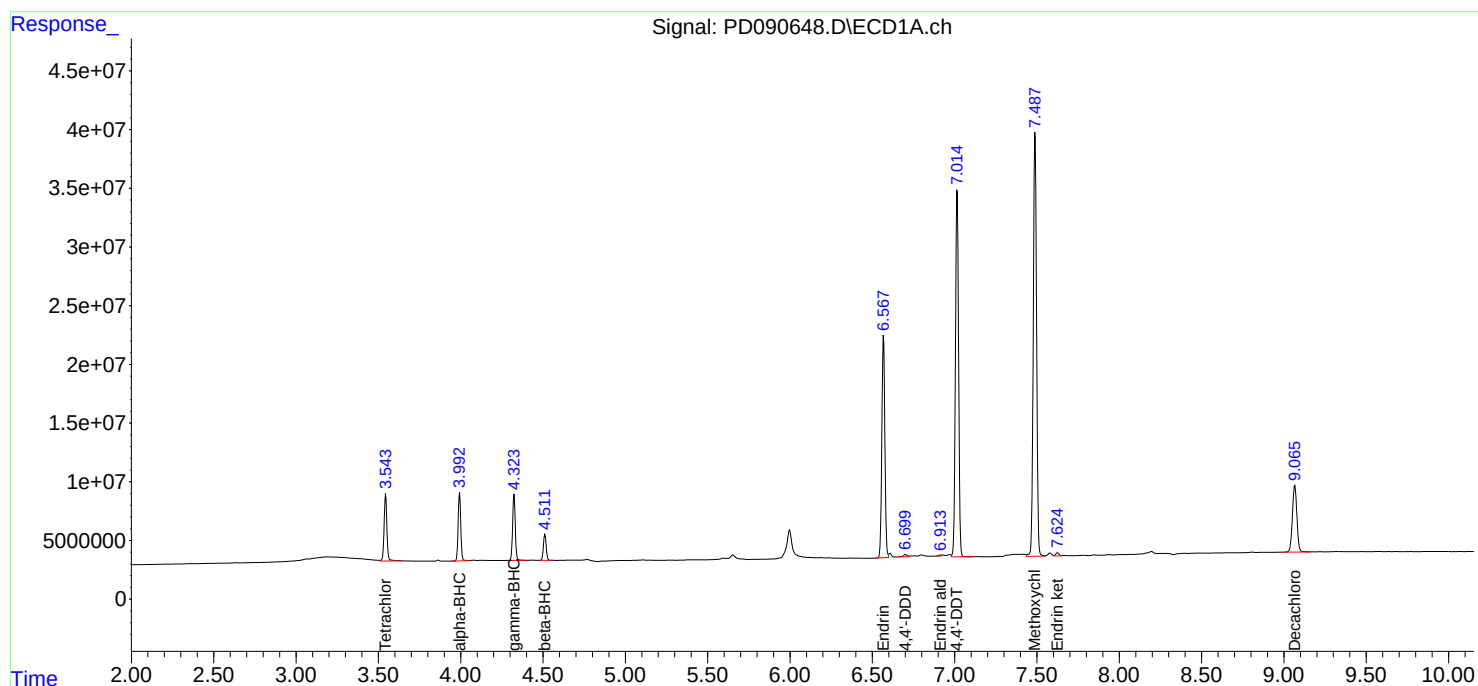
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 14:04:16 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:02:33 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



**PESTICIDE CALIBRATION VERIFICATION SUMMARY**

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090868.D Date Analyzed: 10/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:55

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Decachlorobiphenyl   | 9.062 | 8.960     | 9.160 | 22.890             | 20.000            | 14.5 |
| Tetrachloro-m-xylene | 3.544 | 3.490     | 3.590 | 23.160             | 20.000            | 15.8 |
| alpha-BHC            | 3.993 | 3.940     | 4.040 | 9.970              | 10.000            | -0.3 |
| beta-BHC             | 4.511 | 4.460     | 4.560 | 11.310             | 10.000            | 13.1 |
| gamma-BHC (Lindane)  | 4.323 | 4.270     | 4.370 | 10.310             | 10.000            | 3.1  |
| Endrin               | 6.566 | 6.500     | 6.640 | 52.490             | 50.000            | 5.0  |
| 4,4'-DDT             | 7.013 | 6.940     | 7.080 | 107.090            | 100.000           | 7.1  |
| Methoxychlor         | 7.486 | 7.420     | 7.560 | 251.460            | 250.000           | 0.6  |

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090868.D Date Analyzed: 10/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:55

| PEM COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Decachlorobiphenyl   | 8.058 | 7.960     | 8.160 | 25.500             | 20.000            | 27.5  |
| Tetrachloro-m-xylene | 2.873 | 2.820     | 2.920 | 23.100             | 20.000            | 15.5  |
| alpha-BHC            | 3.385 | 3.330     | 3.440 | 11.160             | 10.000            | 11.6  |
| beta-BHC             | 4.017 | 3.970     | 4.070 | 11.350             | 10.000            | 13.5  |
| gamma-BHC (Lindane)  | 3.721 | 3.670     | 3.770 | 11.180             | 10.000            | 11.8  |
| Endrin               | 5.778 | 5.710     | 5.850 | 50.160             | 50.000            | 0.3   |
| 4,4'-DDT             | 6.172 | 6.100     | 6.240 | 104.590            | 100.000           | 4.6   |
| Methoxychlor         | 6.741 | 6.670     | 6.810 | 216.550            | 250.000           | -13.4 |

Data File: PEM  
 PD090868.D Date Acquired 10/28/2025 9:55  
 Operator: AR\AJ

**ENDRIN BREAK DOWN**

Column #1

| Name            | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|-----------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin          | 6.57 | 260030828.9 | 282103597.7           | 22072768.8          | 7.82         |
| Endrin aldehyde | 6.91 | 6864235.572 |                       |                     |              |
| Endrin ketone   | 7.62 | 15208533.23 |                       |                     |              |

Column #2

| Name               | RT   | Response    | Response<br>[E+EA+EK] | Response<br>[EA+EK] | % Break Down |
|--------------------|------|-------------|-----------------------|---------------------|--------------|
| Endrin #2          | 5.78 | 2031283892  | 2210396126            | 179112234           | 8.10         |
| Endrin aldehyde #2 | 6.25 | 44280225.02 |                       |                     |              |
| Endrin ketone #2   | 6.98 | 134832009   |                       |                     |              |

**DDT BREAK DOWN**

Column #1

| Name     | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|----------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT | 7.01 | 440179804   | 469453653.3               | 29273849.3            | 6.24         |
| 4,4'-DDE | 6.19 | 810685.67   |                           |                       |              |
| 4,4'-DDD | 6.70 | 28463163.61 |                           |                       |              |

Column #2

| Name        | RT   | Response    | Response<br>[DDT+DDE+DDD] | Response<br>[DDE+DDD] | % Break Down |
|-------------|------|-------------|---------------------------|-----------------------|--------------|
| 4,4'-DDT #2 | 6.17 | 3668255202  | 3932904739                | 264649537             | 6.73         |
| 4,4'-DDE #2 | 5.36 | 6930315.054 |                           |                       |              |
| 4,4'-DDD #2 | 5.92 | 257719221.8 |                           |                       |              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090868.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 09:55  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
 Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:41:06 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.873 | 72121617 | 687.9E6  | 23.159  | 23.100  |
| 28)                         | SA Decachlor... | 9.062 | 8.058 | 107.1E6  | 772.5E6  | 22.892  | 25.503  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 71583437 | 570.4E6  | 9.974   | 11.164  |
| 3)                          | MA gamma-BHC... | 4.323 | 3.721 | 70075763 | 528.4E6  | 10.307  | 11.184  |
| 6)                          | B beta-BHC      | 4.511 | 4.017 | 29621545 | 225.1E6  | 11.308  | 11.350  |
| 12)                         | B 4,4'-DDE      | 6.187 | 5.364 | 810686   | 6930315  | 0.152m  | 0.158m  |
| 14)                         | MA Endrin       | 6.566 | 5.778 | 260.0E6  | 2031.3E6 | 52.492  | 50.163  |
| 16)                         | A 4,4'-DDD      | 6.698 | 5.918 | 28463164 | 257.7E6  | 7.021   | 7.073   |
| 17)                         | MA 4,4'-DDT     | 7.013 | 6.172 | 440.2E6  | 3668.3E6 | 107.087 | 104.589 |
| 18)                         | B Endrin al...  | 6.909 | 6.246 | 6864236  | 44280225 | 1.874   | 1.599   |
| 20)                         | A Methoxychlor  | 7.486 | 6.741 | 534.5E6  | 3773.9E6 | 251.460 | 216.546 |
| 21)                         | B Endrin ke...  | 7.623 | 6.979 | 15208533 | 134.8E6  | 3.130   | 3.575   |
| -----                       |                 |       |       |          |          |         |         |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090868.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 09:55  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

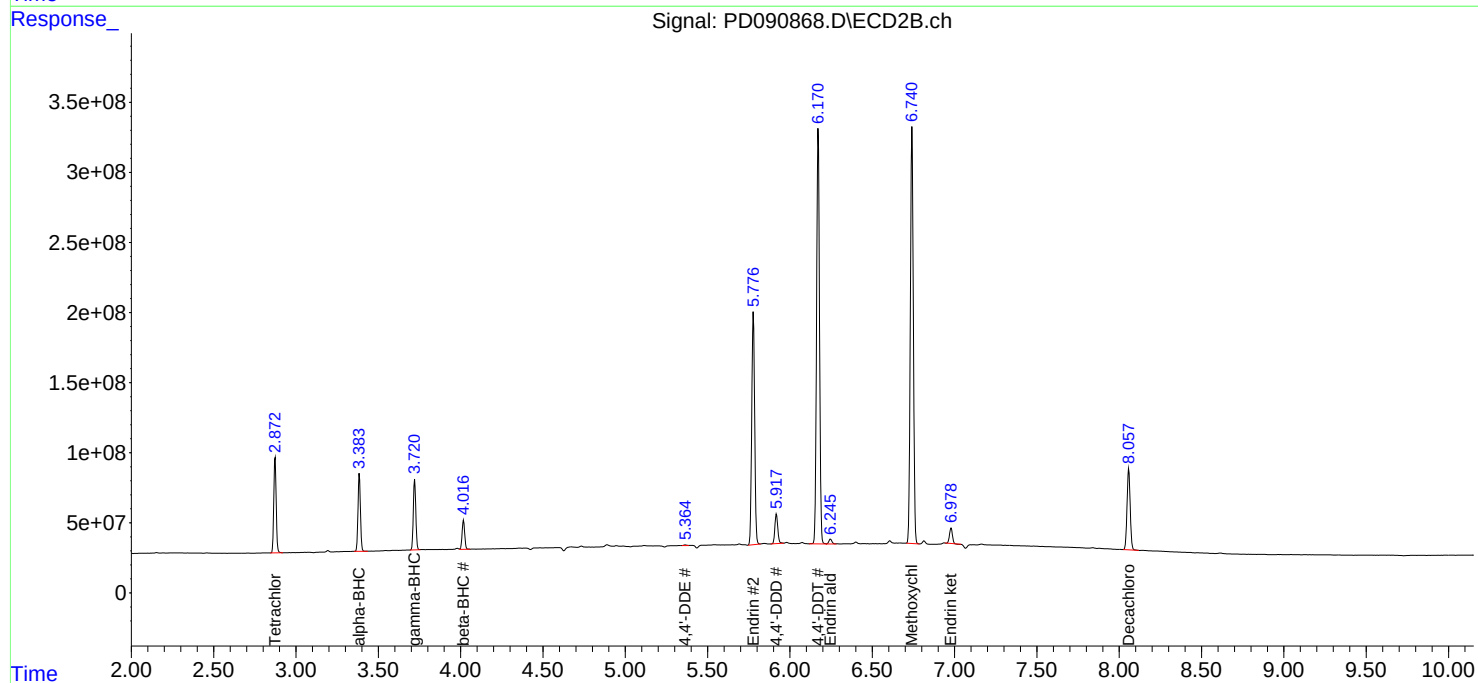
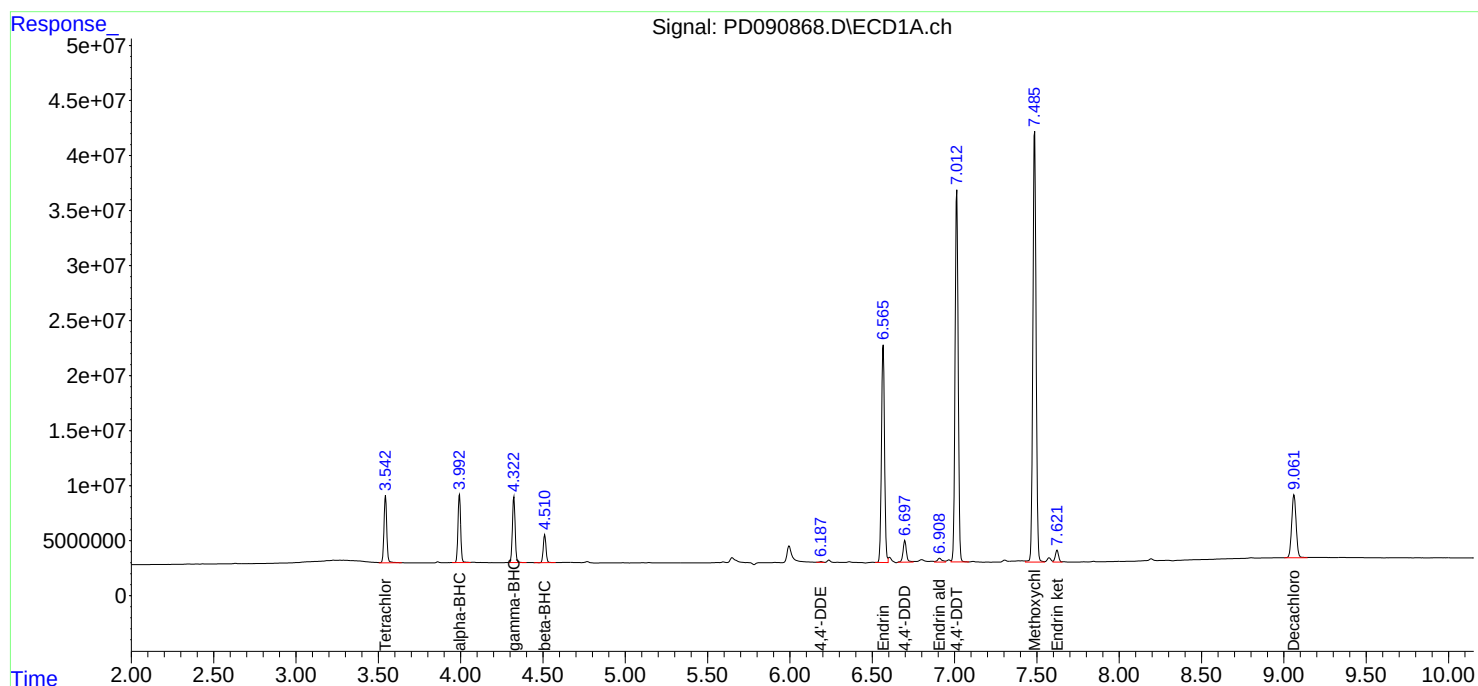
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:41:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090649.D  
Acq On : 17 Oct 2025 11:20  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Title : GC Extractables  
Last Update : Fri Oct 17 17:43:28 2025  
Integrator: ChemStation

| RT#1  | RT#2  | Resolution |
|-------|-------|------------|
| 3.544 | 5.940 | 100.00%    |
| 5.940 | 6.068 | 100.00%    |
| 6.068 | 6.190 | 100.00%    |
| 6.190 | 6.341 | 100.00%    |
| 6.341 | 7.144 | 100.00%    |
| 7.144 | 7.488 | 100.00%    |
| 7.488 | 7.625 | 100.00%    |
| 7.625 | 9.066 | 100.00%    |

## Signal #2

|       |       |         |
|-------|-------|---------|
| 2.874 | 5.116 | 100.00% |
| 5.116 | 5.238 | 100.00% |
| 5.238 | 5.366 | 100.00% |
| 5.366 | 5.503 | 100.00% |
| 5.503 | 6.474 | 100.00% |
| 6.474 | 6.745 | 100.00% |
| 6.745 | 6.983 | 100.00% |
| 6.983 | 8.062 | 100.00% |

PD101725.M Sat Oct 25 06:10:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090649.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 11:20  
 Operator : AR\AJ  
 Sample : RESCHK  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 RESCHK

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 14:04:42 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 14:02:33 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.543 | 2.874 | 55125186 | 545.1E6  | 17.701m | 18.307 |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 88858238 | 547.9E6  | 18.995  | 18.088 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 43926319 | 330.7E6  | 7.934   | 8.397  |
| 10)                         | B gamma-Chl...  | 5.940 | 5.116 | 47696248 | 387.3E6  | 8.042   | 8.616  |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 86477351 | 754.1E6  | 16.235  | 17.202 |
| 13)                         | MA Dieldrin     | 6.341 | 5.503 | 92552800 | 748.0E6  | 15.872  | 16.930 |
| 19)                         | B Endosulfa...  | 7.144 | 6.474 | 76754913 | 612.1E6  | 16.548  | 17.078 |
| 20)                         | A Methoxychlor  | 7.488 | 6.745 | 169.7E6  | 1331.6E6 | 79.844  | 76.409 |
| 21)                         | B Endrin ke...  | 7.625 | 6.983 | 80182457 | 638.1E6  | 16.502  | 16.917 |
| -----                       |                 |       |       |          |          |         |        |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090649.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 11:20  
Operator : AR\AJ  
Sample : RESCHK  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

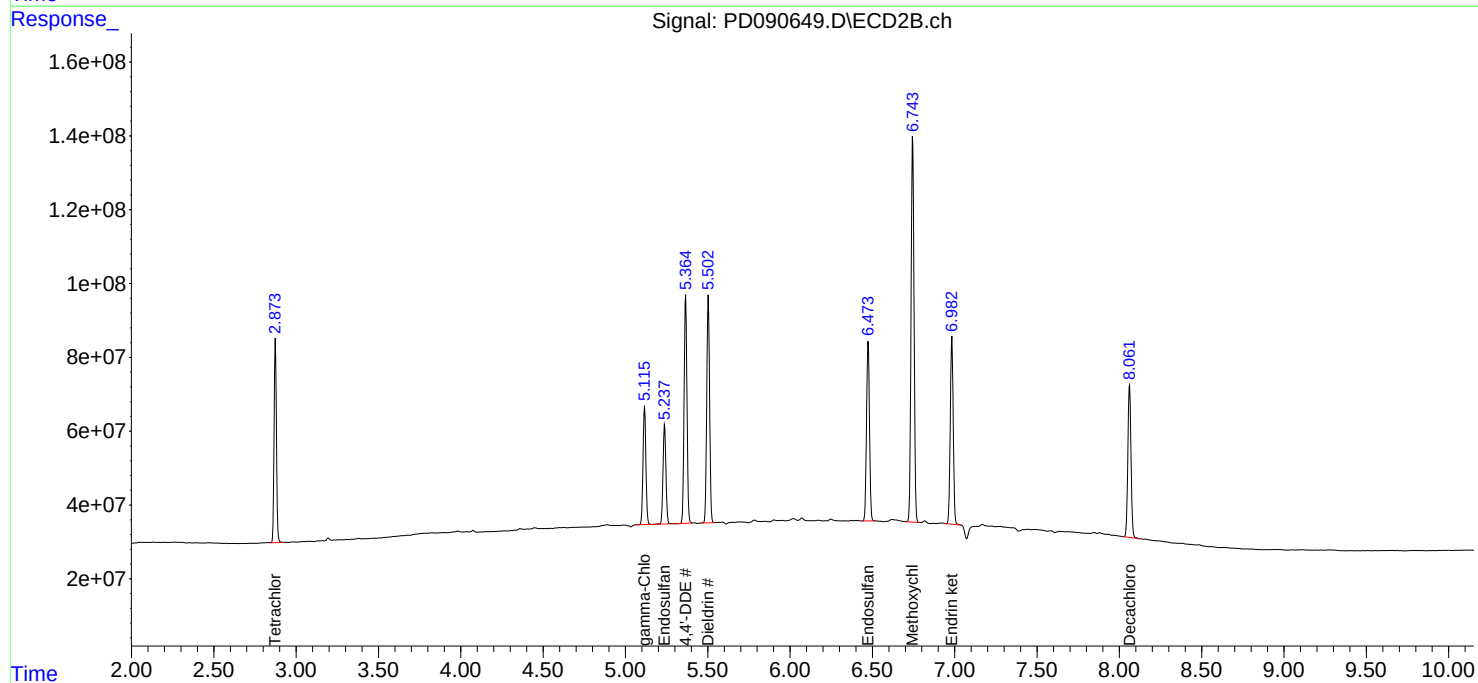
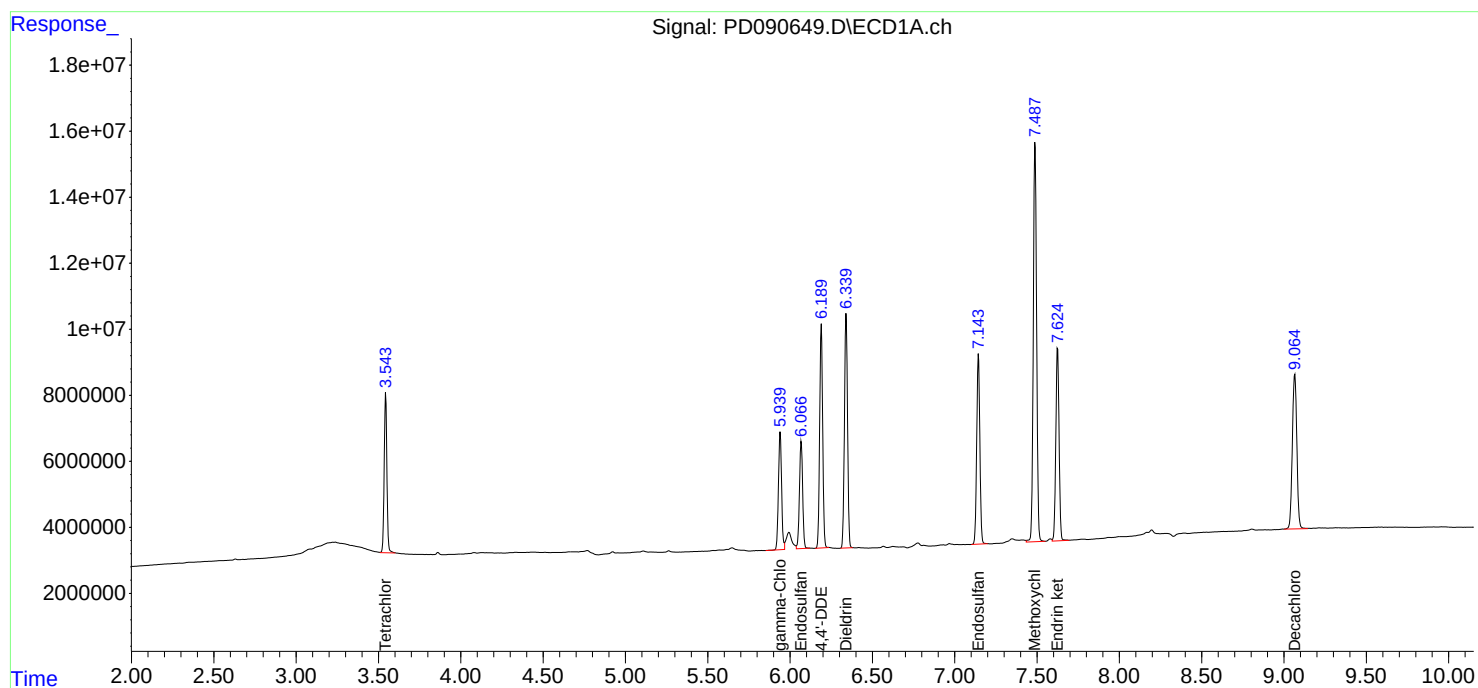
Instrument :  
ECD\_D  
ClientSampleId :  
RESCHK

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/19/2025  
Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 14:04:42 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:02:33 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



## Analytical Sequence

|                                          |                                                                              |
|------------------------------------------|------------------------------------------------------------------------------|
| <b>Client:</b> HDR, Inc.                 | <b>SDG No.:</b> Q3466                                                        |
| <b>Project:</b> PVWC Linear Construction | <b>Instrument ID:</b> ECD_D                                                  |
| <b>GC Column:</b> ZB-MR1                 | <b>ID:</b> 0.32 (mm) <b>Inst. Calib. Date(s):</b> 10/17/2025      10/17/2025 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| CLIENT ID              | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|------------------------|------------------|------------------|------------------|------------|-------------|-------------|
| LBLK                   | LBLK             | 10/17/2025       | 10:53            | PD090647.D | 9.07        | 3.55        |
| PEM                    | PEM              | 10/17/2025       | 11:07            | PD090648.D | 9.07        | 3.54        |
| RESCHK                 | RESCHK           | 10/17/2025       | 11:20            | PD090649.D | 9.07        | 3.54        |
| PSTDICCC100            | PSTDICCC100      | 10/17/2025       | 11:34            | PD090650.D | 9.07        | 3.54        |
| PSTDICCC075            | PSTDICCC075      | 10/17/2025       | 11:48            | PD090651.D | 9.07        | 3.55        |
| PSTDICCC050            | PSTDICCC050      | 10/17/2025       | 12:01            | PD090652.D | 9.06        | 3.55        |
| PSTDICCC025            | PSTDICCC025      | 10/17/2025       | 12:15            | PD090653.D | 9.07        | 3.54        |
| PSTDICCC005            | PSTDICCC005      | 10/17/2025       | 12:28            | PD090654.D | 9.07        | 3.54        |
| PCHLORICC500           | PCHLORICC500     | 10/17/2025       | 13:09            | PD090657.D | 9.07        | 3.55        |
| PTOXICC500             | PTOXICC500       | 10/17/2025       | 14:17            | PD090662.D | 9.07        | 3.55        |
| PEM                    | PEM              | 10/28/2025       | 09:55            | PD090868.D | 9.06        | 3.54        |
| LBLK                   | LBLK             | 10/28/2025       | 13:16            | PD090879.D | 9.06        | 3.54        |
| PSTDCCC050             | PSTDCCC050       | 10/28/2025       | 13:50            | PD090880.D | 9.07        | 3.55        |
| PB170283BL             | PB170283BL       | 10/28/2025       | 14:35            | PD090881.D | 9.07        | 3.55        |
| PB170283BS             | PB170283BS       | 10/28/2025       | 16:16            | PD090885.D | 9.07        | 3.55        |
| LBLK                   | LBLK             | 10/28/2025       | 17:38            | PD090891.D | 9.06        | 3.54        |
| PSTDCCC050             | PSTDCCC050       | 10/28/2025       | 17:52            | PD090892.D | 9.06        | 3.54        |
| B8-0.0-1.0-20251023    | Q3466-02         | 10/28/2025       | 18:46            | PD090893.D | 9.06        | 3.54        |
| B8-0.0-1.0-20251023MS  | Q3466-02MS       | 10/28/2025       | 19:00            | PD090894.D | 9.06        | 3.54        |
| B8-0.0-1.0-20251023MSD | Q3466-02MSD      | 10/28/2025       | 19:14            | PD090895.D | 9.06        | 3.54        |
| B9-0.0-1.0-20251023    | Q3466-05         | 10/28/2025       | 19:27            | PD090896.D | 9.06        | 3.54        |
| B7-1.0-2.0-20251023    | Q3466-07         | 10/28/2025       | 19:41            | PD090897.D | 9.06        | 3.54        |
| LBLK                   | LBLK             | 10/28/2025       | 20:22            | PD090900.D | 9.06        | 3.54        |
| PSTDCCC050             | PSTDCCC050       | 10/28/2025       | 21:58            | PD090902.D | 9.06        | 3.54        |

## Analytical Sequence

**Client:** HDR, Inc.

**SDG No.:** Q3466

**Project:** PVWC Linear Construction

**Instrument ID:** ECD\_D

**GC Column:** ZB-MR2

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 10/17/2025 10/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| CLIENT ID              | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|------------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK                   | IBLK             | 10/17/2025       | 10:53            | PD090647.D | 8.06        | 2.88        |
| PEM                    | PEM              | 10/17/2025       | 11:07            | PD090648.D | 8.06        | 2.88        |
| RESCHK                 | RESCHK           | 10/17/2025       | 11:20            | PD090649.D | 8.06        | 2.87        |
| PSTDICC100             | PSTDICC100       | 10/17/2025       | 11:34            | PD090650.D | 8.06        | 2.87        |
| PSTDICC075             | PSTDICC075       | 10/17/2025       | 11:48            | PD090651.D | 8.06        | 2.88        |
| PSTDICC050             | PSTDICC050       | 10/17/2025       | 12:01            | PD090652.D | 8.06        | 2.88        |
| PSTDICC025             | PSTDICC025       | 10/17/2025       | 12:15            | PD090653.D | 8.06        | 2.87        |
| PSTDICC005             | PSTDICC005       | 10/17/2025       | 12:28            | PD090654.D | 8.06        | 2.87        |
| PCHLORICC500           | PCHLORICC500     | 10/17/2025       | 13:09            | PD090657.D | 8.06        | 2.87        |
| PTOXICC500             | PTOXICC500       | 10/17/2025       | 14:17            | PD090662.D | 8.06        | 2.88        |
| PEM                    | PEM              | 10/28/2025       | 09:55            | PD090868.D | 8.06        | 2.87        |
| IBLK                   | IBLK             | 10/28/2025       | 13:16            | PD090879.D | 8.06        | 2.87        |
| PSTDCCC050             | PSTDCCC050       | 10/28/2025       | 13:50            | PD090880.D | 8.06        | 2.87        |
| PB170283BL             | PB170283BL       | 10/28/2025       | 14:35            | PD090881.D | 8.06        | 2.87        |
| PB170283BS             | PB170283BS       | 10/28/2025       | 16:16            | PD090885.D | 8.06        | 2.87        |
| IBLK                   | IBLK             | 10/28/2025       | 17:38            | PD090891.D | 8.06        | 2.87        |
| PSTDCCC050             | PSTDCCC050       | 10/28/2025       | 17:52            | PD090892.D | 8.06        | 2.87        |
| B8-0.0-1.0-20251023    | Q3466-02         | 10/28/2025       | 18:46            | PD090893.D | 8.06        | 2.87        |
| B8-0.0-1.0-20251023MS  | Q3466-02MS       | 10/28/2025       | 19:00            | PD090894.D | 8.06        | 2.87        |
| B8-0.0-1.0-20251023MSD | Q3466-02MSD      | 10/28/2025       | 19:14            | PD090895.D | 8.06        | 2.87        |
| B9-0.0-1.0-20251023    | Q3466-05         | 10/28/2025       | 19:27            | PD090896.D | 8.06        | 2.87        |
| B7-1.0-2.0-20251023    | Q3466-07         | 10/28/2025       | 19:41            | PD090897.D | 8.06        | 2.87        |
| IBLK                   | IBLK             | 10/28/2025       | 20:22            | PD090900.D | 8.06        | 2.87        |
| PSTDCCC050             | PSTDCCC050       | 10/28/2025       | 21:58            | PD090902.D | 8.06        | 2.87        |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**B8-0.0-1.0-20251023**

**Lab Name:** Alliance

**Contract:** HDRI08

**Lab Code:** ACE

**SDG NO.:** Q3466

**Lab Sample ID:** Q3466-02

**Date(s) Analyzed:** 10/28/2025 10/28/2025

**Instrument ID (1):** ECD\_D

**Instrument ID (2):** ECD\_D

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE  | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD  |
|----------|-----|------|-----------|------|---------------|-------|
|          |     |      | FROM      | TO   |               |       |
| 4,4'-DDT | 1   | 7.01 | 6.96      | 7.06 | 1.10          | 100   |
|          | 2   | 6.17 | 6.12      | 6.22 | 3.30          |       |
| 4,4'-DDE | 1   | 6.19 | 6.14      | 6.24 | 0.80          | 22.7  |
|          | 2   | 5.36 | 5.31      | 5.41 | 0.64          |       |
| Dieldrin | 1   | 6.34 | 6.29      | 6.39 | 0.45          | 115.9 |
|          | 2   | 5.50 | 5.45      | 5.55 | 1.70          |       |
| Endrin   | 1   | 6.57 | 6.52      | 6.62 | 1.10          | 104.9 |
|          | 2   | 5.78 | 5.73      | 5.83 | 0.34          |       |

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B8-0.0-1.0-20251023MS

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Lab Sample ID: Q3466-02MS

Date(s) Analyzed: 10/28/2025 10/28/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.78 | 6.73      | 6.83 | 18.4          | 7.8  |
|                     | 2   | 6.07 | 6.02      | 6.12 | 19.9          |      |
| 4,4'-DDD            | 1   | 6.70 | 6.65      | 6.75 | 20.7          | 17.9 |
|                     | 2   | 5.92 | 5.87      | 5.97 | 17.3          |      |
| 4,4'-DDT            | 1   | 7.01 | 6.96      | 7.06 | 21.2          | 1.4  |
|                     | 2   | 6.17 | 6.12      | 6.22 | 20.9          |      |
| Endrin aldehyde     | 1   | 6.91 | 6.86      | 6.96 | 19.0          | 1.6  |
|                     | 2   | 6.25 | 6.20      | 6.30 | 18.7          |      |
| Endosulfan sulfate  | 1   | 7.14 | 7.09      | 7.19 | 18.3          | 1.6  |
|                     | 2   | 6.47 | 6.42      | 6.52 | 18.6          |      |
| Methoxychlor        | 1   | 7.49 | 7.44      | 7.54 | 18.9          | 9.4  |
|                     | 2   | 6.74 | 6.69      | 6.79 | 17.2          |      |
| Endrin ketone       | 1   | 7.62 | 7.57      | 7.67 | 19.4          | 10.9 |
|                     | 2   | 6.98 | 6.93      | 7.03 | 17.4          |      |
| alpha-BHC           | 1   | 3.99 | 3.94      | 4.04 | 19.4          | 5.3  |
|                     | 2   | 3.39 | 3.34      | 3.44 | 18.4          |      |
| gamma-BHC (Lindane) | 1   | 4.32 | 4.27      | 4.37 | 18.8          | 4.9  |
|                     | 2   | 3.72 | 3.67      | 3.77 | 17.9          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 22.7          | 17.2 |
|                     | 2   | 4.07 | 4.02      | 4.12 | 19.1          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 19.0          | 6.5  |
|                     | 2   | 4.36 | 4.31      | 4.41 | 17.8          |      |
| beta-BHC            | 1   | 4.51 | 4.46      | 4.56 | 17.3          | 8.8  |
|                     | 2   | 4.02 | 3.97      | 4.07 | 18.9          |      |
| delta-BHC           | 1   | 4.76 | 4.71      | 4.81 | 19.5          | 7.4  |
|                     | 2   | 4.25 | 4.20      | 4.30 | 18.1          |      |
| Heptachlor epoxide  | 1   | 5.68 | 5.63      | 5.73 | 19.2          | 7    |
|                     | 2   | 4.86 | 4.81      | 4.91 | 17.9          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

B8-0.0-1.0-20251023MS

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Lab Sample ID: Q3466-02MS

Date(s) Analyzed: 10/28/2025 10/28/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.07 | 6.02      | 6.12 | 19.0          | 13.5 |
|                 | 2   | 5.24 | 5.19      | 5.29 | 16.6          |      |
| gamma-Chlordane | 1   | 5.94 | 5.89      | 5.99 | 18.4          | 4.8  |
|                 | 2   | 5.11 | 5.06      | 5.16 | 19.3          |      |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 18.4          | 1.1  |
|                 | 2   | 5.18 | 5.13      | 5.23 | 18.6          |      |
| 4,4'-DDE        | 1   | 6.19 | 6.14      | 6.24 | 18.3          | 0.5  |
|                 | 2   | 5.36 | 5.31      | 5.41 | 18.4          |      |
| Dieldrin        | 1   | 6.34 | 6.29      | 6.39 | 18.9          | 3.6  |
|                 | 2   | 5.50 | 5.45      | 5.55 | 19.6          |      |
| Endrin          | 1   | 6.57 | 6.52      | 6.62 | 19.2          | 5.9  |
|                 | 2   | 5.78 | 5.73      | 5.83 | 18.1          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

**B8-0.0-1.0-20251023MSD**

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Lab Sample ID: Q3466-02MSD

Date(s) Analyzed: 10/28/2025 10/28/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.78 | 6.73      | 6.83 | 19.4          | 6.5  |
|                     | 2   | 6.07 | 6.02      | 6.12 | 20.7          |      |
| 4,4'-DDD            | 1   | 6.70 | 6.65      | 6.75 | 21.8          | 19.6 |
|                     | 2   | 5.92 | 5.87      | 5.97 | 17.9          |      |
| 4,4'-DDT            | 1   | 7.01 | 6.96      | 7.06 | 22.6          | 4.1  |
|                     | 2   | 6.17 | 6.12      | 6.22 | 21.7          |      |
| Endrin aldehyde     | 1   | 6.91 | 6.86      | 6.96 | 20.0          | 1.5  |
|                     | 2   | 6.25 | 6.20      | 6.30 | 19.7          |      |
| Endosulfan sulfate  | 1   | 7.14 | 7.09      | 7.19 | 19.1          | 0.5  |
|                     | 2   | 6.47 | 6.42      | 6.52 | 19.2          |      |
| Methoxychlor        | 1   | 7.49 | 7.44      | 7.54 | 19.8          | 9.5  |
|                     | 2   | 6.74 | 6.69      | 6.79 | 18.0          |      |
| Endrin ketone       | 1   | 7.62 | 7.57      | 7.67 | 20.5          | 13.5 |
|                     | 2   | 6.98 | 6.93      | 7.03 | 17.9          |      |
| alpha-BHC           | 1   | 3.99 | 3.94      | 4.04 | 20.7          | 5.5  |
|                     | 2   | 3.39 | 3.34      | 3.44 | 19.6          |      |
| gamma-BHC (Lindane) | 1   | 4.32 | 4.27      | 4.37 | 20.4          | 7.1  |
|                     | 2   | 3.72 | 3.67      | 3.77 | 19.0          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 24.2          | 17.5 |
|                     | 2   | 4.07 | 4.02      | 4.12 | 20.3          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 20.2          | 7.2  |
|                     | 2   | 4.36 | 4.31      | 4.41 | 18.8          |      |
| beta-BHC            | 1   | 4.51 | 4.46      | 4.56 | 18.2          | 10.4 |
|                     | 2   | 4.02 | 3.97      | 4.07 | 20.2          |      |
| delta-BHC           | 1   | 4.76 | 4.71      | 4.81 | 20.7          | 7.5  |
|                     | 2   | 4.25 | 4.20      | 4.30 | 19.2          |      |
| Heptachlor epoxide  | 1   | 5.68 | 5.63      | 5.73 | 20.5          | 8.1  |
|                     | 2   | 4.86 | 4.81      | 4.91 | 18.9          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**B8-0.0-1.0-20251023MSD**

**Lab Name:** Alliance

**Contract:** HDRI08

**Lab Code:** ACE

**SDG NO.:** Q3466

**Lab Sample ID:** Q3466-02MSD

**Date(s) Analyzed:** 10/28/2025 10/28/2025

**Instrument ID (1):** ECD\_D

**Instrument ID (2):** ECD\_D

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.07 | 6.02      | 6.12 | 20.2          | 14.3 |
|                 | 2   | 5.24 | 5.19      | 5.29 | 17.5          |      |
| gamma-Chlordane | 1   | 5.94 | 5.89      | 5.99 | 19.5          | 4.5  |
|                 | 2   | 5.12 | 5.07      | 5.17 | 20.4          |      |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 19.8          | 1    |
|                 | 2   | 5.18 | 5.13      | 5.23 | 19.6          |      |
| 4,4'-DDE        | 1   | 6.19 | 6.14      | 6.24 | 19.3          | 0.5  |
|                 | 2   | 5.36 | 5.31      | 5.41 | 19.4          |      |
| Dieldrin        | 1   | 6.34 | 6.29      | 6.39 | 19.9          | 3.5  |
|                 | 2   | 5.50 | 5.45      | 5.55 | 20.6          |      |
| Endrin          | 1   | 6.57 | 6.52      | 6.62 | 20.3          | 7.1  |
|                 | 2   | 5.78 | 5.73      | 5.83 | 18.9          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**B9-0.0-1.0-20251023**

**Lab Name:** Alliance

**Contract:** HDRI08

**Lab Code:** ACE

**SDG NO.:** Q3466

**Lab Sample ID:** Q3466-05

**Date(s) Analyzed:** 10/28/2025 10/28/2025

**Instrument ID (1):** ECD\_D

**Instrument ID (2):** ECD\_D

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE            | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD  |
|--------------------|-----|------|-----------|------|---------------|-------|
|                    |     |      | FROM      | TO   |               |       |
| Dieldrin           | 1   | 6.34 | 6.29      | 6.39 | 0.56          | 56.3  |
|                    | 2   | 5.50 | 5.45      | 5.55 | 1.00          |       |
| Endrin             | 1   | 6.57 | 6.52      | 6.62 | 0.33          | 37.1  |
|                    | 2   | 5.78 | 5.73      | 5.83 | 0.23          |       |
| 4,4'-DDT           | 1   | 7.02 | 6.97      | 7.07 | 0.41          | 35.2  |
|                    | 2   | 6.17 | 6.12      | 6.22 | 0.59          |       |
| Heptachlor epoxide | 1   | 5.68 | 5.63      | 5.73 | 0.52          | 11.4  |
|                    | 2   | 4.86 | 4.81      | 4.91 | 0.46          |       |
| gamma-Chlordane    | 1   | 5.94 | 5.89      | 5.99 | 1.20          | 21.7  |
|                    | 2   | 5.11 | 5.06      | 5.16 | 0.97          |       |
| alpha-Chlordane    | 1   | 6.02 | 5.97      | 6.07 | 3.40          | 102.2 |
|                    | 2   | 5.18 | 5.13      | 5.23 | 1.10          |       |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

PB170283BS

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Lab Sample ID: PB170283BS

Date(s) Analyzed: 10/28/2025 10/28/2025

Instrument ID (1): ECD\_D

Instrument ID (2): ECD\_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

| ANALYTE             | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.79 | 6.74      | 6.84 | 15.9          | 1.3  |
|                     | 2   | 6.07 | 6.02      | 6.12 | 15.7          |      |
| 4,4'-DDD            | 1   | 6.71 | 6.66      | 6.76 | 17.3          | 4.7  |
|                     | 2   | 5.92 | 5.87      | 5.97 | 16.5          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 15.7          | 1.9  |
|                     | 2   | 6.17 | 6.12      | 6.22 | 15.4          |      |
| Endrin aldehyde     | 1   | 6.92 | 6.87      | 6.97 | 16.4          | 1.8  |
|                     | 2   | 6.25 | 6.20      | 6.30 | 16.1          |      |
| Endosulfan sulfate  | 1   | 7.15 | 7.10      | 7.20 | 16.0          | 0.6  |
|                     | 2   | 6.47 | 6.42      | 6.52 | 16.1          |      |
| Methoxychlor        | 1   | 7.49 | 7.44      | 7.54 | 15.9          | 1.3  |
|                     | 2   | 6.74 | 6.69      | 6.79 | 15.7          |      |
| Endrin ketone       | 1   | 7.63 | 7.58      | 7.68 | 16.8          | 1.2  |
|                     | 2   | 6.98 | 6.93      | 7.03 | 17.0          |      |
| alpha-BHC           | 1   | 4.00 | 3.95      | 4.05 | 15.8          | 5.2  |
|                     | 2   | 3.39 | 3.34      | 3.44 | 15.0          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 15.7          | 4.6  |
|                     | 2   | 3.72 | 3.67      | 3.77 | 15.0          |      |
| Heptachlor          | 1   | 4.93 | 4.88      | 4.98 | 18.6          | 18.8 |
|                     | 2   | 4.07 | 4.02      | 4.12 | 15.4          |      |
| Aldrin              | 1   | 5.27 | 5.22      | 5.32 | 15.9          | 5.8  |
|                     | 2   | 4.36 | 4.31      | 4.41 | 15.0          |      |
| beta-BHC            | 1   | 4.52 | 4.47      | 4.57 | 15.4          | 3.3  |
|                     | 2   | 4.02 | 3.97      | 4.07 | 14.9          |      |
| delta-BHC           | 1   | 4.77 | 4.72      | 4.82 | 16.0          | 5.8  |
|                     | 2   | 4.25 | 4.20      | 4.30 | 15.1          |      |
| Heptachlor epoxide  | 1   | 5.69 | 5.64      | 5.74 | 16.1          | 7.1  |
|                     | 2   | 4.86 | 4.81      | 4.91 | 15.0          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**PB170283BS**

**Lab Name:** Alliance

**Contract:** HDRI08

**Lab Code:** ACE

**SDG NO.:** Q3466

**Lab Sample ID:** PB170283BS

**Date(s) Analyzed:** 10/28/2025 10/28/2025

**Instrument ID (1):** ECD\_D

**Instrument ID (2):** ECD\_D

**GC Column: (1):** ZB-MR1

**ID:** 0.32 (mm)

**GC Column:(2):** ZB-MR2

**ID:** 0.32 (mm)

| ANALYTE         | COL | RT   | RT WINDOW |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.07 | 6.02      | 6.12 | 16.0          | 5.8  |
|                 | 2   | 5.24 | 5.19      | 5.29 | 15.1          |      |
| gamma-Chlordane | 1   | 5.95 | 5.90      | 6.00 | 15.9          | 3.8  |
|                 | 2   | 5.12 | 5.07      | 5.17 | 15.3          |      |
| alpha-Chlordane | 1   | 6.03 | 5.98      | 6.08 | 16.1          | 5.1  |
|                 | 2   | 5.18 | 5.13      | 5.23 | 15.3          |      |
| 4,4'-DDE        | 1   | 6.20 | 6.15      | 6.25 | 15.8          | 2.6  |
|                 | 2   | 5.37 | 5.32      | 5.42 | 15.4          |      |
| Dieldrin        | 1   | 6.35 | 6.30      | 6.40 | 16.3          | 5    |
|                 | 2   | 5.50 | 5.45      | 5.55 | 15.5          |      |
| Endrin          | 1   | 6.57 | 6.52      | 6.62 | 15.5          | 2    |
|                 | 2   | 5.78 | 5.73      | 5.83 | 15.2          |      |



# QC SAMPLE DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |                     |                 |               |
|--------------------|--------------------------|---------------------|-----------------|---------------|
| Client:            | HDR, Inc.                |                     | Date Collected: |               |
| Project:           | PVWC Linear Construction |                     | Date Received:  |               |
| Client Sample ID:  | PB170283BL               |                     | SDG No.:        | Q3466         |
| Lab Sample ID:     | PB170283BL               |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                    |                     | % Solid:        | 100           |
| Sample Wt/Vol:     | 30.02 g                  | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541                   | Prep Date 10/28/25  |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |                     |            |         |                |          |
| 319-84-6          | alpha-BHC            | 0.13  | U    | 1  | 0.13                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 319-85-7          | beta-BHC             | 0.18  | U    | 1  | 0.18                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 319-86-8          | delta-BHC            | 0.39  | U    | 1  | 0.39                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.14  | U    | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 76-44-8           | Heptachlor           | 0.12  | U    | 1  | 0.12                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 309-00-2          | Aldrin               | 0.12  | U    | 1  | 0.12                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 1024-57-3         | Heptachlor epoxide   | 0.19  | U    | 1  | 0.19                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 959-98-8          | Endosulfan I         | 0.14  | U    | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 60-57-1           | Dieldrin             | 0.14  | U    | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 72-55-9           | 4,4-DDE              | 0.14  | U    | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 72-20-8           | Endrin               | 0.14  | U    | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 33213-65-9        | Endosulfan II        | 0.29  | U    | 1  | 0.29                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 72-54-8           | 4,4-DDD              | 0.15  | U    | 1  | 0.15                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 1031-07-8         | Endosulfan Sulfate   | 0.13  | U    | 1  | 0.13                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 50-29-3           | 4,4-DDT              | 0.14  | U    | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 72-43-5           | Methoxychlor         | 0.37  | U    | 1  | 0.37                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 53494-70-5        | Endrin ketone        | 0.19  | U    | 1  | 0.19                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 7421-93-4         | Endrin aldehyde      | 0.37  | U    | 1  | 0.37                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 5103-71-9         | alpha-Chlordane      | 0.12  | U    | 1  | 0.12                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 5103-74-2         | gamma-Chlordane      | 0.15  | U    | 1  | 0.15                | 1.70       | ug/kg   | 10/28/25 14:35 | PB170283 |
| 8001-35-2         | Toxaphene            | 5.40  | U    | 1  | 5.40                | 33.0       | ug/kg   | 10/28/25 14:35 | PB170283 |
| <b>SURROGATES</b> |                      |       |      |    |                     |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 22.2  |      |    | 30 (20) - 150 (144) | 111%       | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 19.2  |      |    | 30 (19) - 150 (148) | 96%        | SPK: 20 |                |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090881.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 14:35  
Operator : AR\AJ  
Sample : PB170283BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PB170283BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:43:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.551 | 2.872 | 59925235 | 573.0E6 | 19.243 | 19.244 |
| 28)                         | SA Decachlor... | 9.073 | 8.060 | 95959461 | 673.0E6 | 20.513 | 22.217 |

Target Compounds

-----

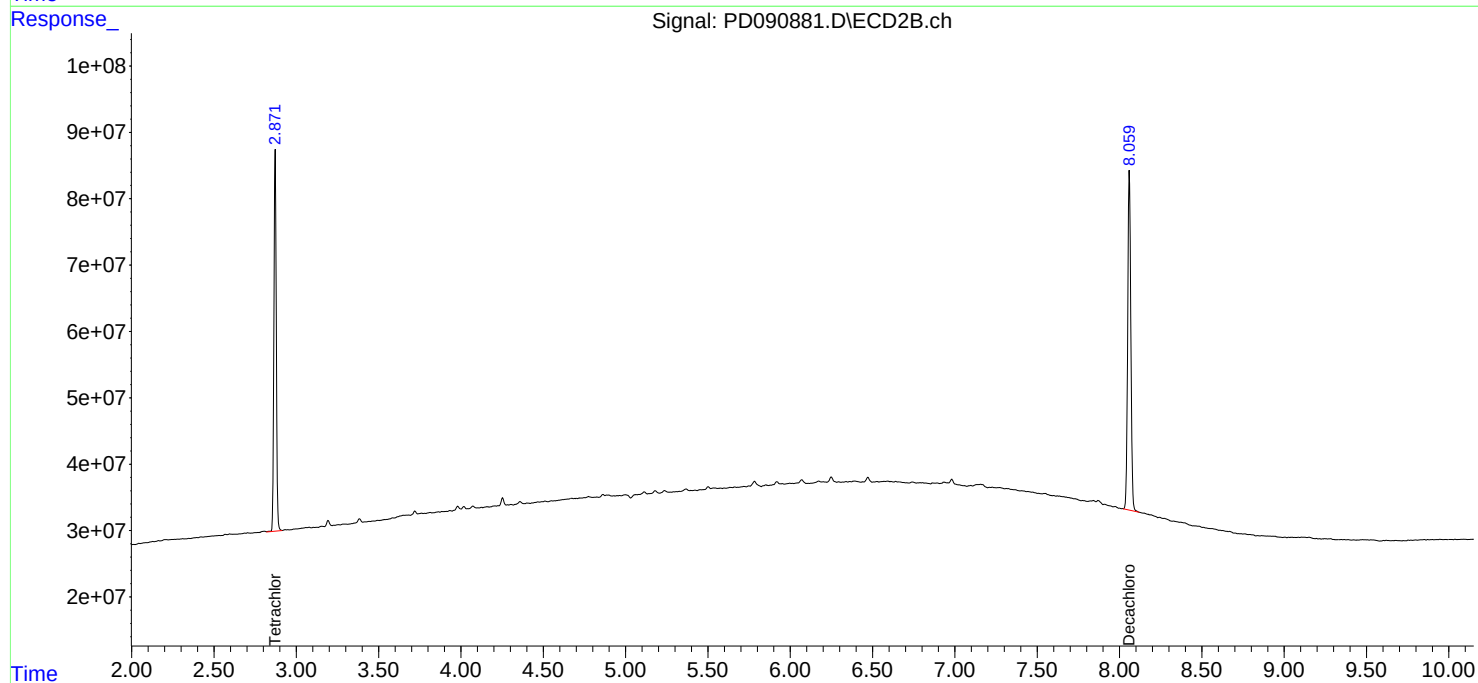
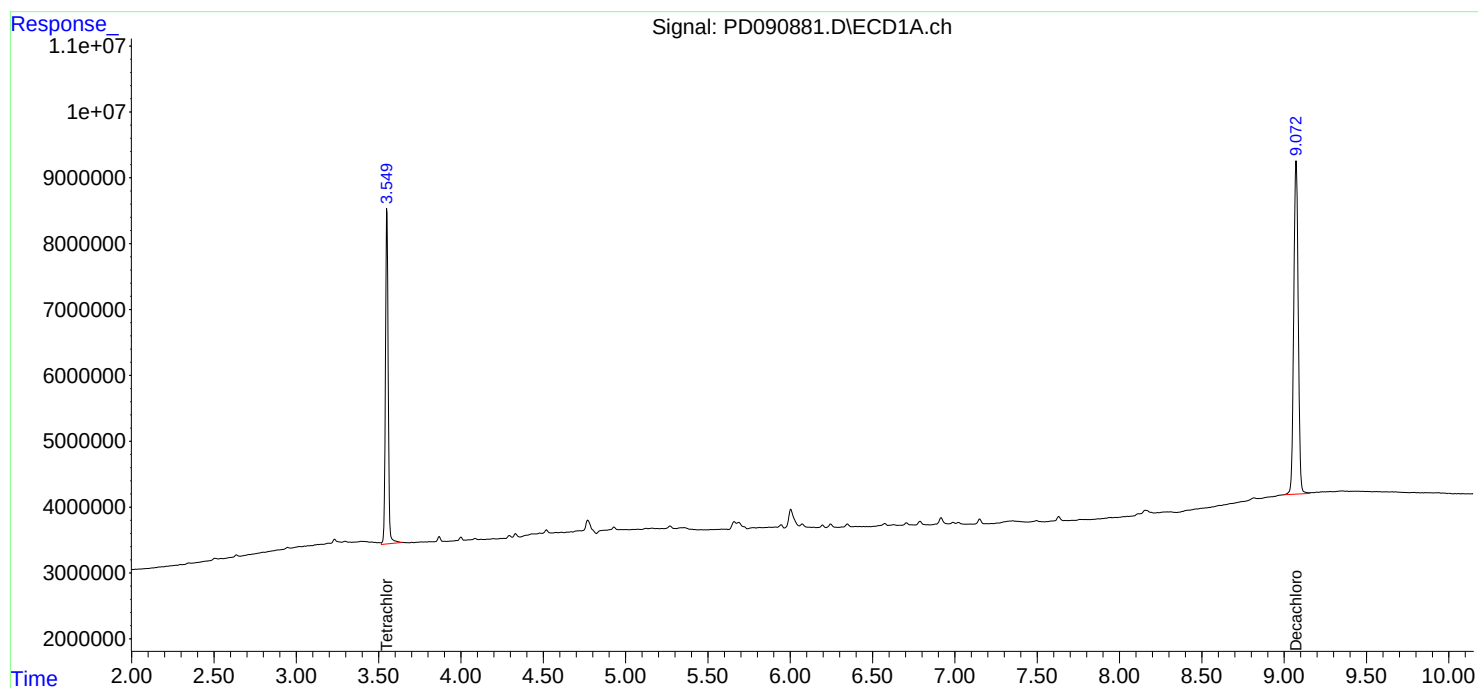
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

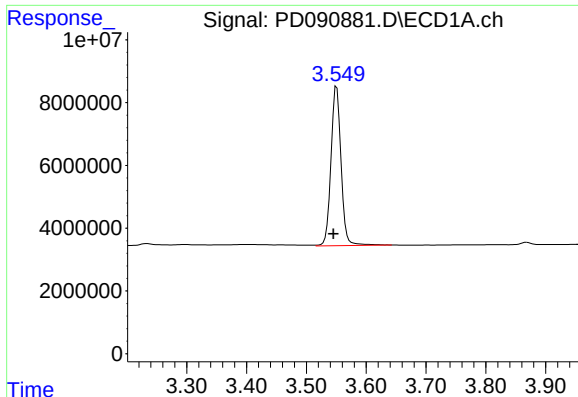
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090881.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 14:35  
Operator : AR\AJ  
Sample : PB170283BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PB170283BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:43:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

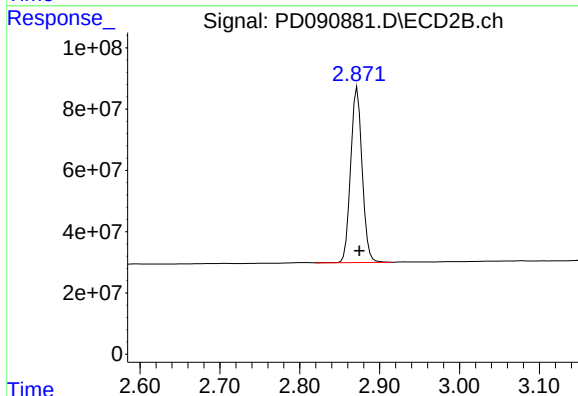




## #1 Tetrachloro-m-xylene

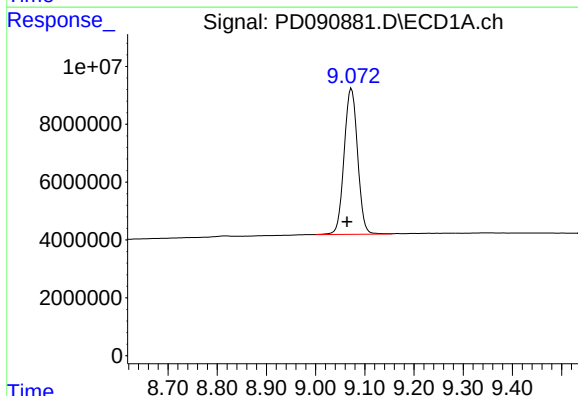
R.T.: 3.551 min  
Delta R.T.: 0.006 min  
Response: 59925235  
Conc: 19.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170283BL



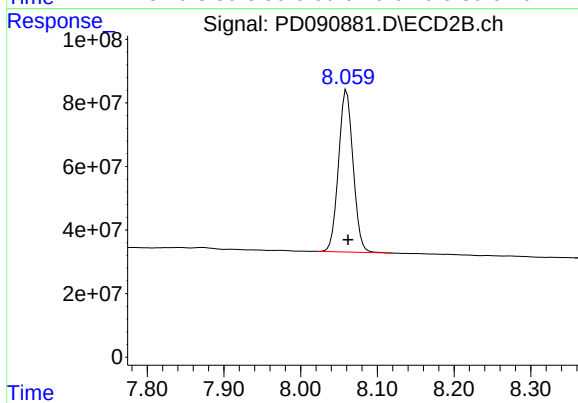
## #1 Tetrachloro-m-xylene

R.T.: 2.872 min  
Delta R.T.: -0.003 min  
Response: 573030342  
Conc: 19.24 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.073 min  
Delta R.T.: 0.009 min  
Response: 95959461  
Conc: 20.51 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.002 min  
Response: 672975626  
Conc: 22.22 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/17/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/17/25      |
| Client Sample ID:  | PIBLK-PD090647.D         |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | I.BLK-PD090647.D         |            | Matrix:         | WATER         |
| Analytical Method: | 8081B                    |            | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       |                          | Prep Date: |                 | Pesticide-TCL |

| CAS Number        | Parameter            | Conc.  | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|--------|------|----|---------------------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |        |      |    |                     |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.0039 | U    | 1  | 0.0039              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 319-85-7          | beta-BHC             | 0.0049 | U    | 1  | 0.0049              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 319-86-8          | delta-BHC            | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 76-44-8           | Heptachlor           | 0.0027 | U    | 1  | 0.0027              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 309-00-2          | Aldrin               | 0.0036 | U    | 1  | 0.0036              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U    | 1  | 0.0096              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 959-98-8          | Endosulfan I         | 0.0031 | U    | 1  | 0.0031              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 60-57-1           | Dieldrin             | 0.0036 | U    | 1  | 0.0036              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 72-55-9           | 4,4-DDE              | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 72-20-8           | Endrin               | 0.0032 | U    | 1  | 0.0032              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 33213-65-9        | Endosulfan II        | 0.0079 | U    | 1  | 0.0079              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 72-54-8           | 4,4-DDD              | 0.0071 | U    | 1  | 0.0071              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 50-29-3           | 4,4-DDT              | 0.0035 | U    | 1  | 0.0035              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 72-43-5           | Methoxychlor         | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 53494-70-5        | Endrin ketone        | 0.0093 | U    | 1  | 0.0093              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U    | 1  | 0.0035              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U    | 1  | 0.0039              | 0.050      | ug/L    | 10/17/25  | pd101725 |
| 8001-35-2         | Toxaphene            | 0.17   | U    | 1  | 0.17                | 1.00       | ug/L    | 10/17/25  | pd101725 |
| <b>SURROGATES</b> |                      |        |      |    |                     |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 21.3   |      |    | 30 (57) - 150 (171) | 106%       | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 20.0   |      |    | 30 (61) - 150 (148) | 100%       | SPK: 20 |           |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
 Data File : PD090647.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2025 10:53  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 14:03:51 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 14:02:33 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.545 | 2.875 | 60526543 | 594.5E6 | 19.436 | 19.964 |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 99514776 | 616.2E6 | 21.273 | 20.342 |

Target Compounds

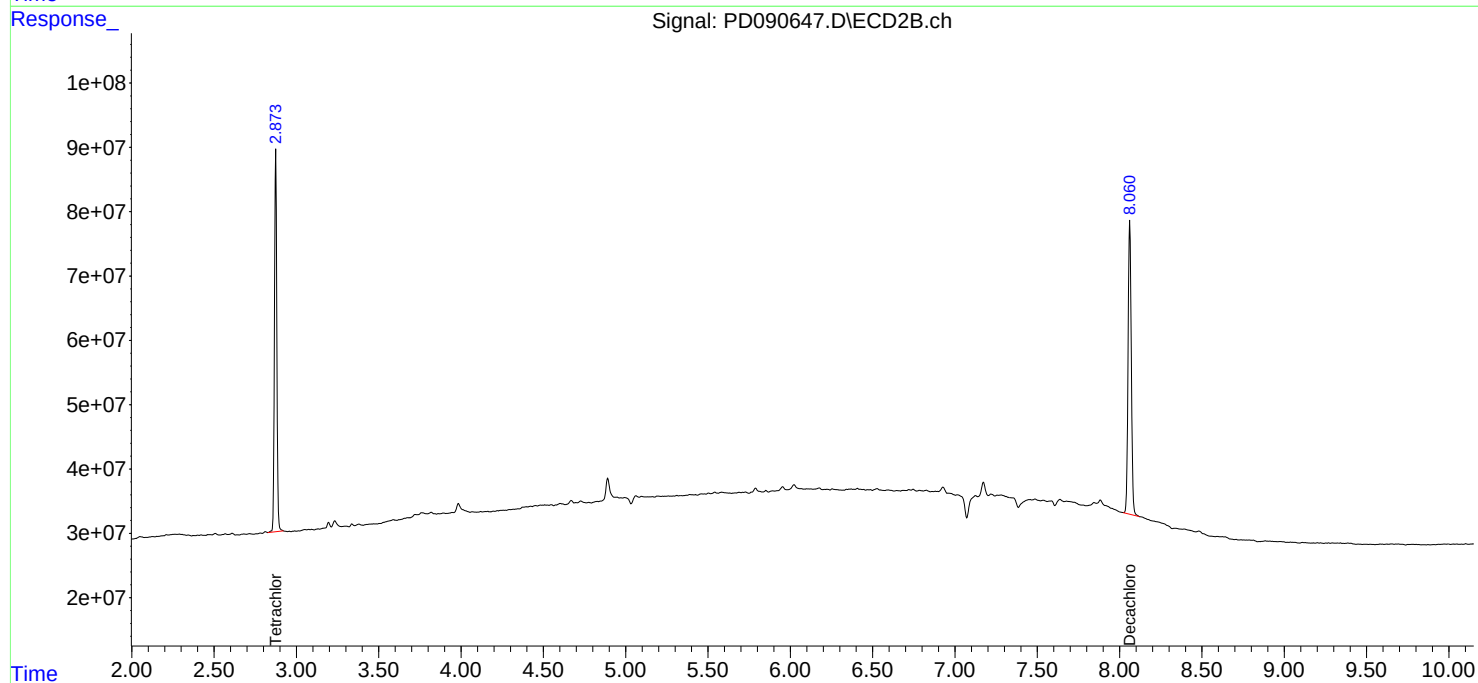
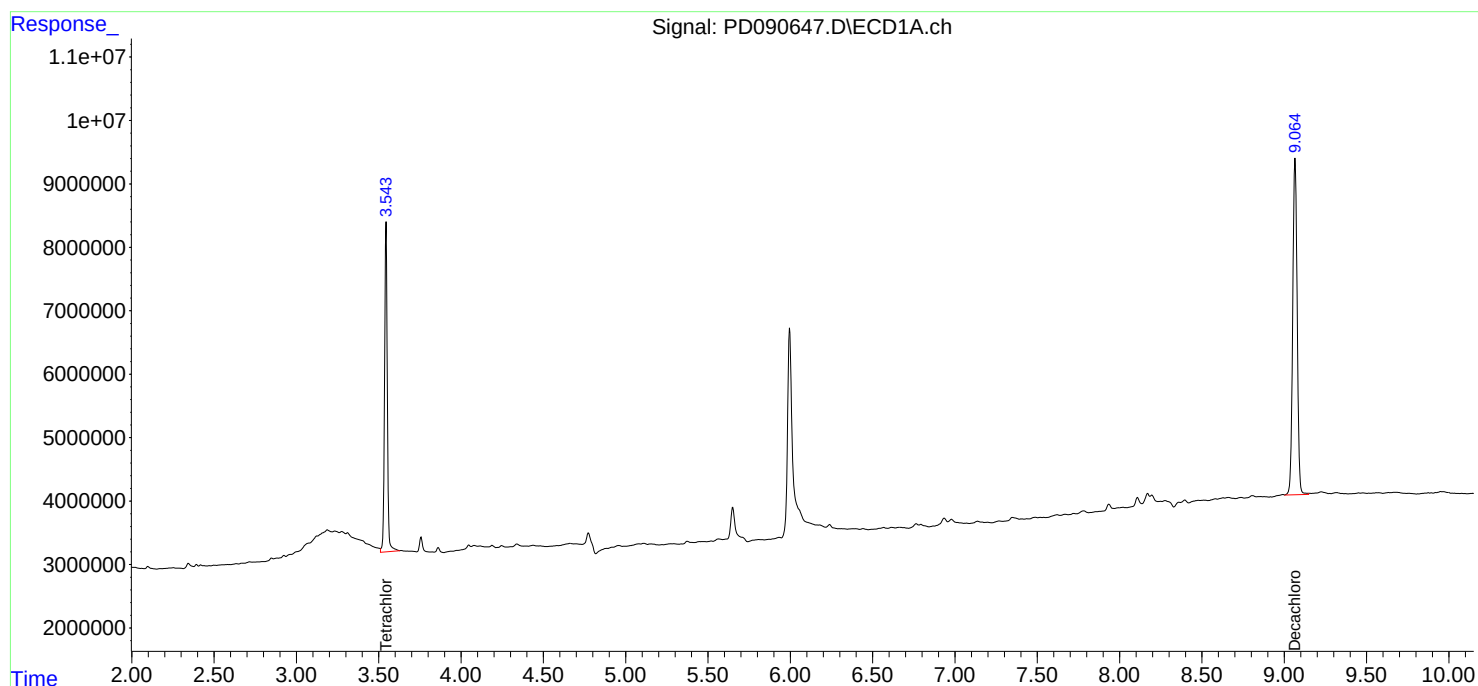
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

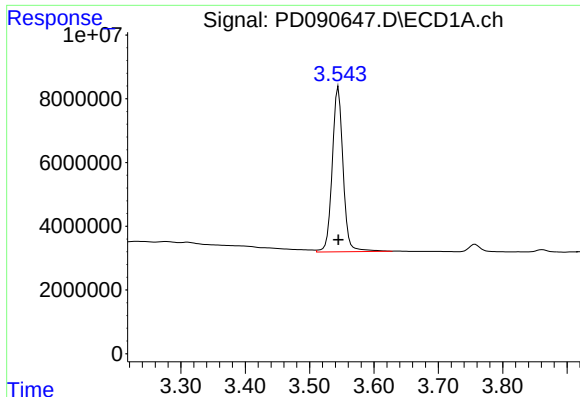
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101725\  
Data File : PD090647.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Oct 2025 10:53  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 14:03:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 14:02:33 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

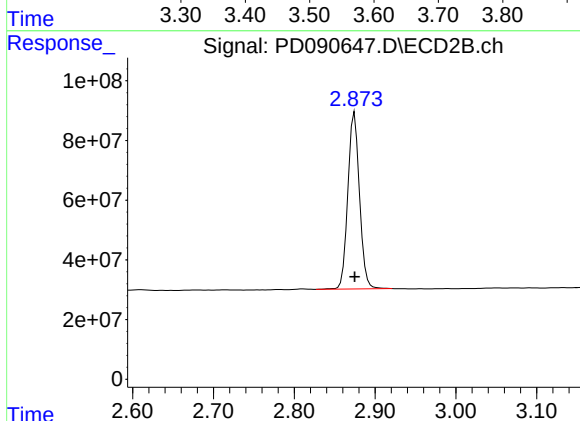




## #1 Tetrachloro-m-xylene

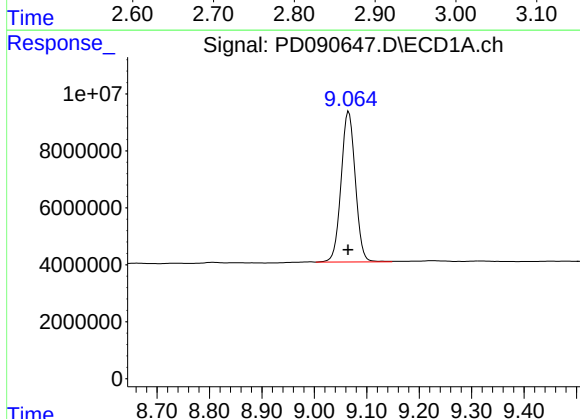
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 60526543  
Conc: 19.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



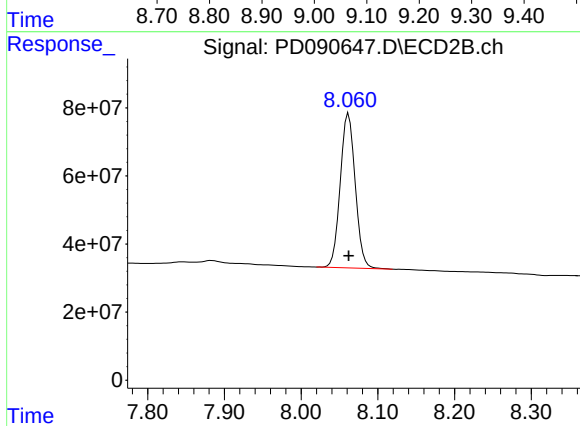
## #1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: 0.000 min  
Response: 594475365  
Conc: 19.96 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.002 min  
Response: 99514776  
Conc: 21.27 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 616188932  
Conc: 20.34 ng/ml



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Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/28/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/28/25      |
| Client Sample ID:  | PIBLK-PD090879.D         |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | I.BLK-PD090879.D         |            | Matrix:         | WATER         |
| Analytical Method: | 8081B                    |            | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       |                          | Prep Date: |                 | Pesticide-TCL |

| CAS Number        | Parameter            | Conc.  | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|--------|------|----|---------------------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |        |      |    |                     |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.0039 | U    | 1  | 0.0039              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 319-85-7          | beta-BHC             | 0.0049 | U    | 1  | 0.0049              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 319-86-8          | delta-BHC            | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 76-44-8           | Heptachlor           | 0.0027 | U    | 1  | 0.0027              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 309-00-2          | Aldrin               | 0.0036 | U    | 1  | 0.0036              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U    | 1  | 0.0096              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 959-98-8          | Endosulfan I         | 0.0031 | U    | 1  | 0.0031              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 60-57-1           | Dieldrin             | 0.0036 | U    | 1  | 0.0036              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-55-9           | 4,4-DDE              | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-20-8           | Endrin               | 0.0032 | U    | 1  | 0.0032              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 33213-65-9        | Endosulfan II        | 0.0079 | U    | 1  | 0.0079              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-54-8           | 4,4-DDD              | 0.0071 | U    | 1  | 0.0071              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 50-29-3           | 4,4-DDT              | 0.0035 | U    | 1  | 0.0035              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-43-5           | Methoxychlor         | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 53494-70-5        | Endrin ketone        | 0.0093 | U    | 1  | 0.0093              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U    | 1  | 0.0035              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U    | 1  | 0.0039              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 8001-35-2         | Toxaphene            | 0.17   | U    | 1  | 0.17                | 1.00       | ug/L    | 10/28/25  | pd102825 |
| <b>SURROGATES</b> |                      |        |      |    |                     |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 24.9   |      |    | 30 (57) - 150 (171) | 125%       | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 21.8   |      |    | 30 (61) - 150 (148) | 109%       | SPK: 20 |           |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090879.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 13:16  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:43:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.543 | 2.874 | 67223460 | 649.7E6 | 21.586 | 21.819 |
| 28)                         | SA Decachlor... | 9.062 | 8.058 | 107.9E6  | 755.2E6 | 23.072 | 24.931 |

Target Compounds

-----

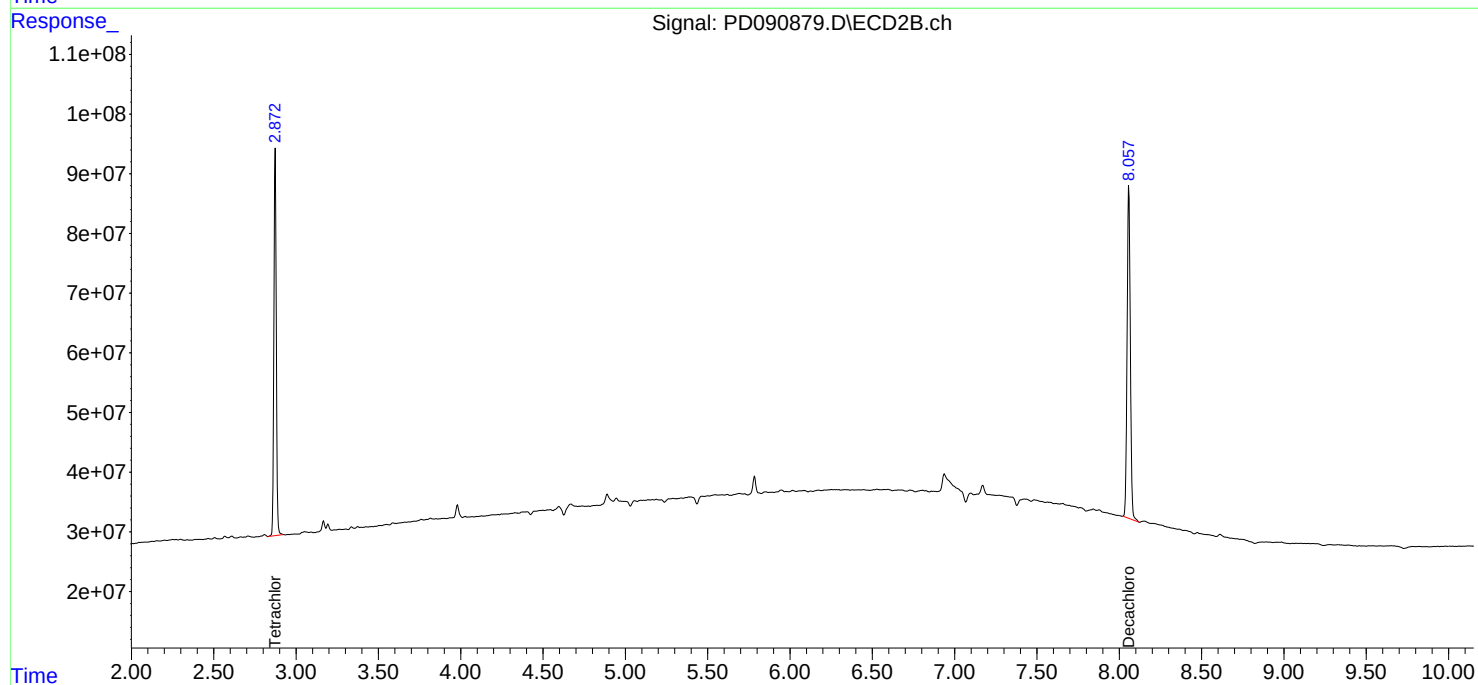
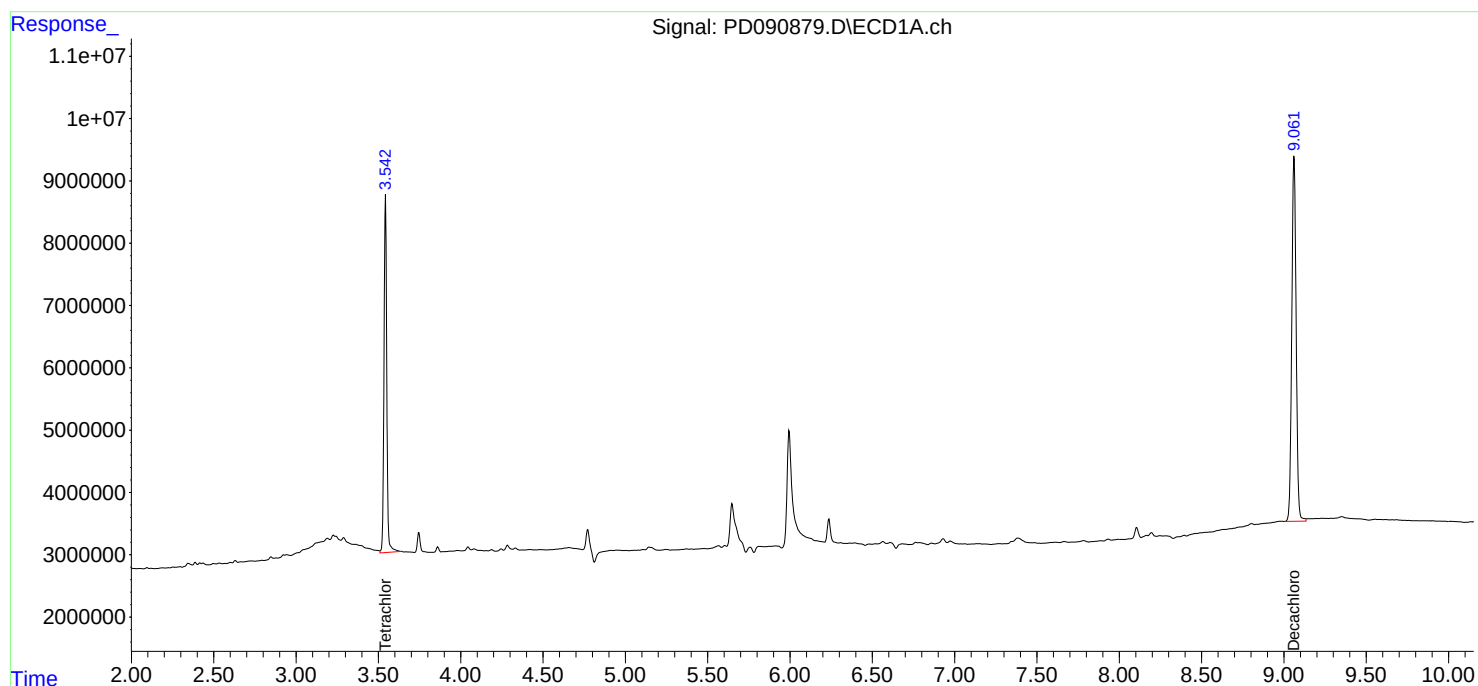
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

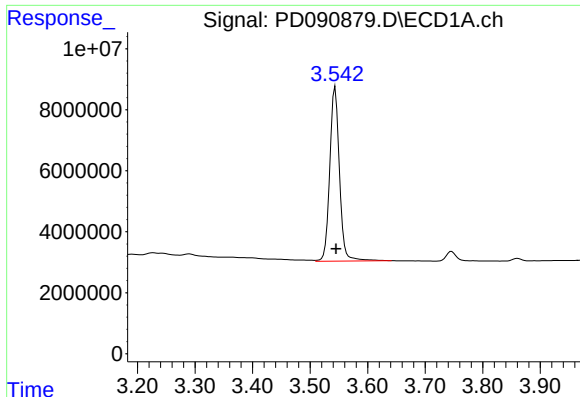
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090879.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 13:16  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:43:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

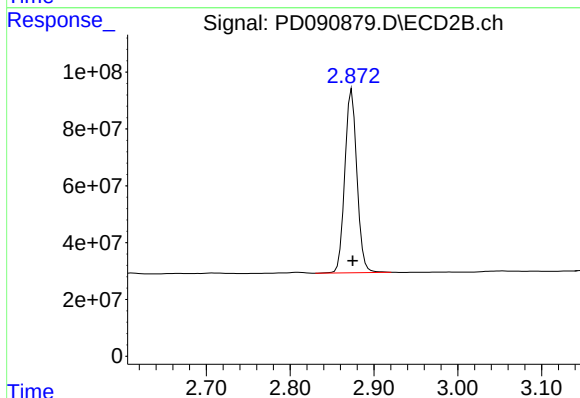




## #1 Tetrachloro-m-xylene

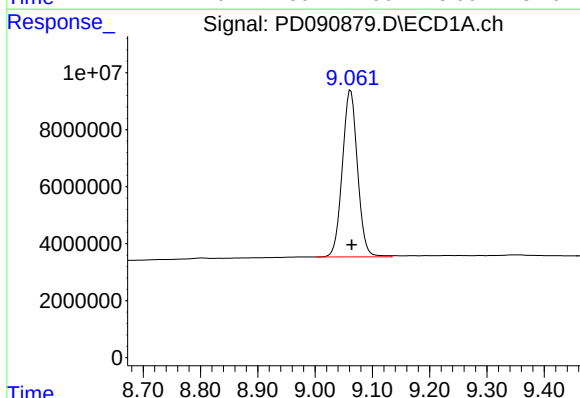
R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 67223460  
Conc: 21.59 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



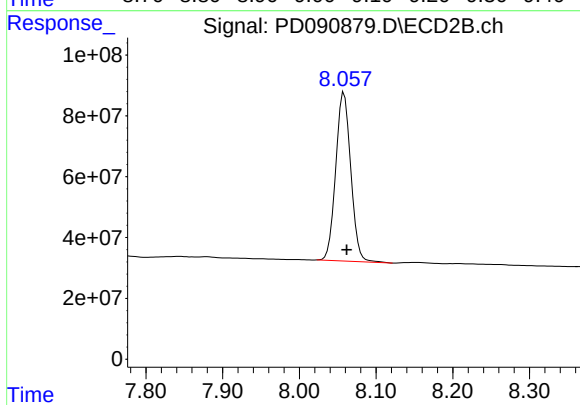
## #1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: -0.001 min  
Response: 649694696  
Conc: 21.82 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: -0.002 min  
Response: 107930926  
Conc: 23.07 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.058 min  
Delta R.T.: -0.004 min  
Response: 755208643  
Conc: 24.93 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/28/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/28/25      |
| Client Sample ID:  | PIBLK-PD090891.D         |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | I.BLK-PD090891.D         |            | Matrix:         | WATER         |
| Analytical Method: | 8081B                    |            | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       |                          | Prep Date: |                 | Pesticide-TCL |

| CAS Number        | Parameter            | Conc.  | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|--------|------|----|---------------------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |        |      |    |                     |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.0039 | U    | 1  | 0.0039              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 319-85-7          | beta-BHC             | 0.0049 | U    | 1  | 0.0049              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 319-86-8          | delta-BHC            | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 76-44-8           | Heptachlor           | 0.0027 | U    | 1  | 0.0027              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 309-00-2          | Aldrin               | 0.0036 | U    | 1  | 0.0036              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U    | 1  | 0.0096              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 959-98-8          | Endosulfan I         | 0.0031 | U    | 1  | 0.0031              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 60-57-1           | Dieldrin             | 0.0036 | U    | 1  | 0.0036              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-55-9           | 4,4-DDE              | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-20-8           | Endrin               | 0.0032 | U    | 1  | 0.0032              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 33213-65-9        | Endosulfan II        | 0.0079 | U    | 1  | 0.0079              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-54-8           | 4,4-DDD              | 0.0071 | U    | 1  | 0.0071              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 50-29-3           | 4,4-DDT              | 0.0035 | U    | 1  | 0.0035              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-43-5           | Methoxychlor         | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 53494-70-5        | Endrin ketone        | 0.0093 | U    | 1  | 0.0093              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U    | 1  | 0.0035              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U    | 1  | 0.0039              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 8001-35-2         | Toxaphene            | 0.17   | U    | 1  | 0.17                | 1.00       | ug/L    | 10/28/25  | pd102825 |
| <b>SURROGATES</b> |                      |        |      |    |                     |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 23.0   |      |    | 30 (57) - 150 (171) | 115%       | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 21.6   |      |    | 30 (61) - 150 (148) | 108%       | SPK: 20 |           |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090891.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 17:38  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:45:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.543 | 2.873 | 66946466 | 643.8E6 | 21.497 | 21.620 |
| 28)                         | SA Decachlor... | 9.062 | 8.058 | 106.7E6  | 696.9E6 | 22.815 | 23.007 |

Target Compounds

-----

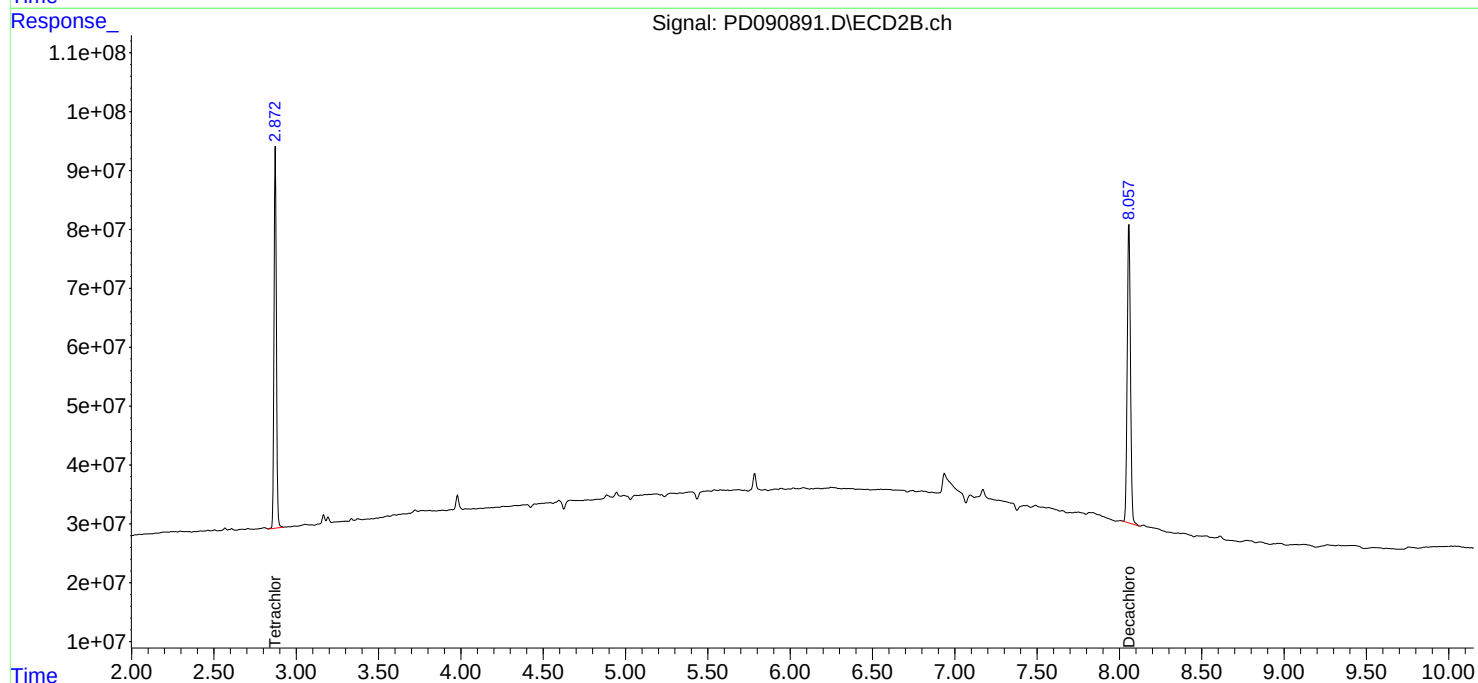
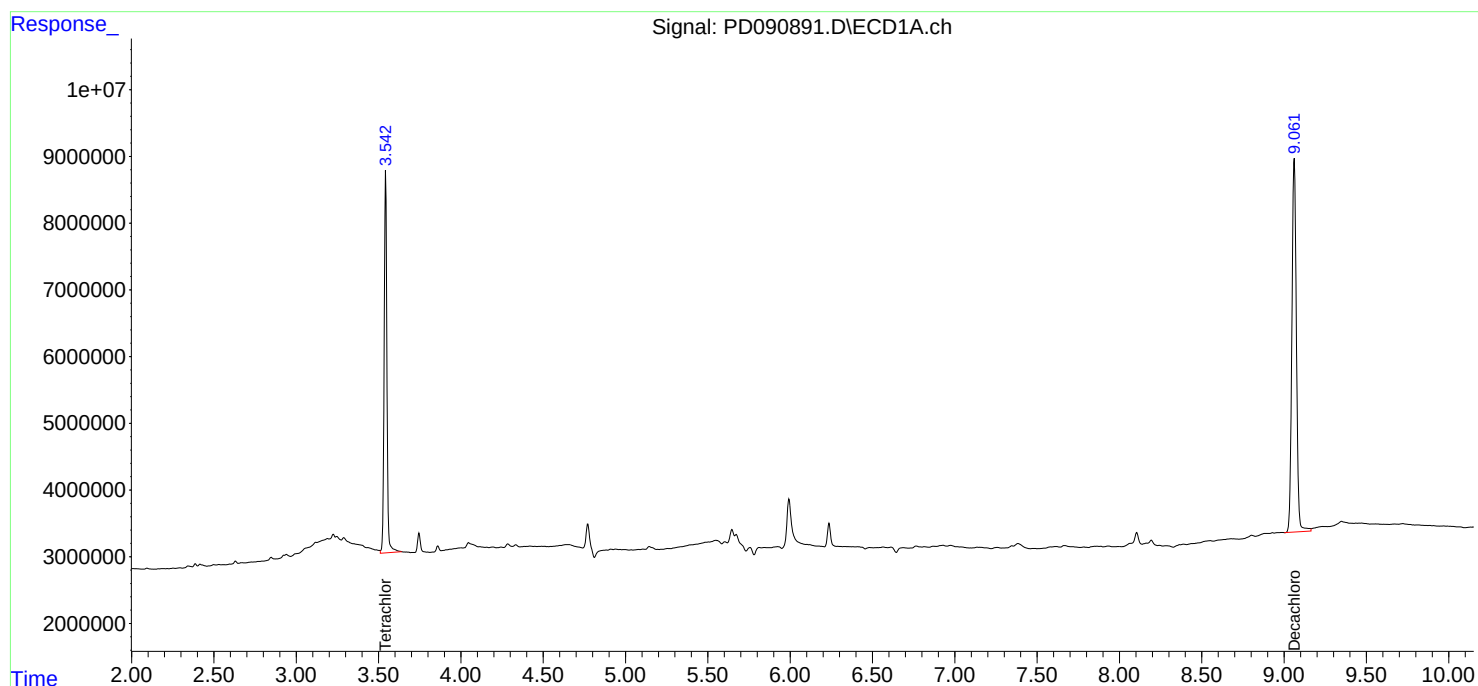
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

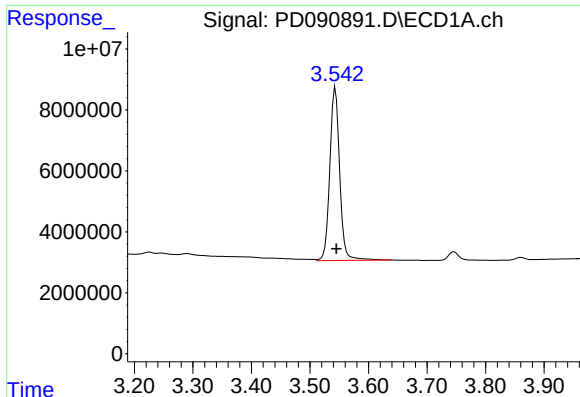
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090891.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 17:38  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:45:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

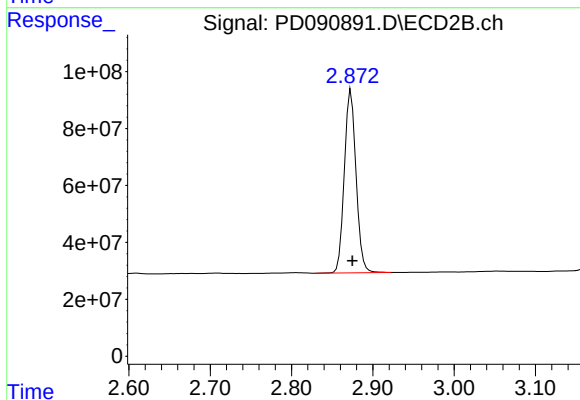




## #1 Tetrachloro-m-xylene

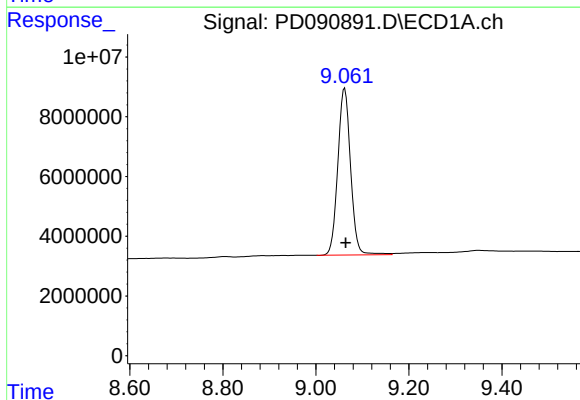
R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 66946466  
Conc: 21.50 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



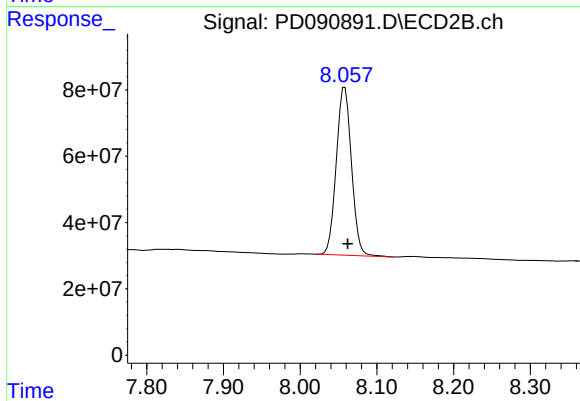
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.002 min  
Response: 643772051  
Conc: 21.62 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: -0.002 min  
Response: 106725561  
Conc: 22.81 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.058 min  
Delta R.T.: -0.004 min  
Response: 696921337  
Conc: 23.01 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/28/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/28/25      |
| Client Sample ID:  | PIBLK-PD090900.D         |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | I.BLK-PD090900.D         |            | Matrix:         | WATER         |
| Analytical Method: | 8081B                    |            | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 mL                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       |                          | Prep Date: |                 | Pesticide-TCL |

| CAS Number        | Parameter            | Conc.  | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana. | BatchID  |
|-------------------|----------------------|--------|------|----|---------------------|------------|---------|-----------|----------|
| <b>TARGETS</b>    |                      |        |      |    |                     |            |         |           |          |
| 319-84-6          | alpha-BHC            | 0.0039 | U    | 1  | 0.0039              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 319-85-7          | beta-BHC             | 0.0049 | U    | 1  | 0.0049              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 319-86-8          | delta-BHC            | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 58-89-9           | gamma-BHC (Lindane)  | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 76-44-8           | Heptachlor           | 0.0027 | U    | 1  | 0.0027              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 309-00-2          | Aldrin               | 0.0036 | U    | 1  | 0.0036              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 1024-57-3         | Heptachlor epoxide   | 0.0096 | U    | 1  | 0.0096              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 959-98-8          | Endosulfan I         | 0.0031 | U    | 1  | 0.0031              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 60-57-1           | Dieldrin             | 0.0036 | U    | 1  | 0.0036              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-55-9           | 4,4-DDE              | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-20-8           | Endrin               | 0.0032 | U    | 1  | 0.0032              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 33213-65-9        | Endosulfan II        | 0.0079 | U    | 1  | 0.0079              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-54-8           | 4,4-DDD              | 0.0071 | U    | 1  | 0.0071              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 1031-07-8         | Endosulfan Sulfate   | 0.0037 | U    | 1  | 0.0037              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 50-29-3           | 4,4-DDT              | 0.0035 | U    | 1  | 0.0035              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 72-43-5           | Methoxychlor         | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 53494-70-5        | Endrin ketone        | 0.0093 | U    | 1  | 0.0093              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 7421-93-4         | Endrin aldehyde      | 0.011  | U    | 1  | 0.011               | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 5103-71-9         | alpha-Chlordane      | 0.0035 | U    | 1  | 0.0035              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 5103-74-2         | gamma-Chlordane      | 0.0039 | U    | 1  | 0.0039              | 0.050      | ug/L    | 10/28/25  | pd102825 |
| 8001-35-2         | Toxaphene            | 0.17   | U    | 1  | 0.17                | 1.00       | ug/L    | 10/28/25  | pd102825 |
| <b>SURROGATES</b> |                      |        |      |    |                     |            |         |           |          |
| 2051-24-3         | Decachlorobiphenyl   | 18.7   |      |    | 30 (57) - 150 (171) | 94%        | SPK: 20 |           |          |
| 877-09-8          | Tetrachloro-m-xylene | 21.3   |      |    | 30 (61) - 150 (148) | 107%       | SPK: 20 |           |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090900.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 20:22  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:47:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|--------|
| -----                       |                 |       |       |          |         |        |        |
| System Monitoring Compounds |                 |       |       |          |         |        |        |
| 1)                          | SA Tetrachlo... | 3.543 | 2.873 | 60329544 | 634.8E6 | 19.373 | 21.319 |
| 28)                         | SA Decachlor... | 9.062 | 8.058 | 87656907 | 529.2E6 | 18.738 | 17.470 |

Target Compounds

-----

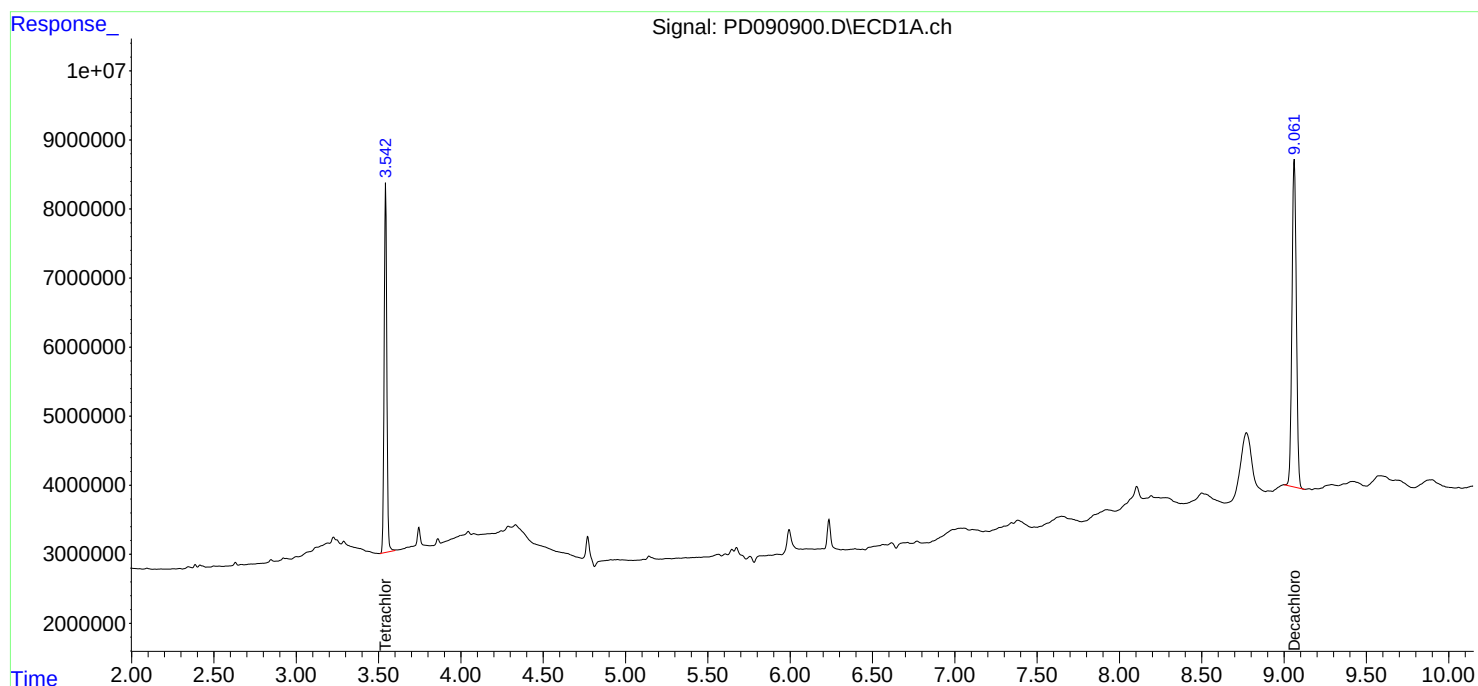
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

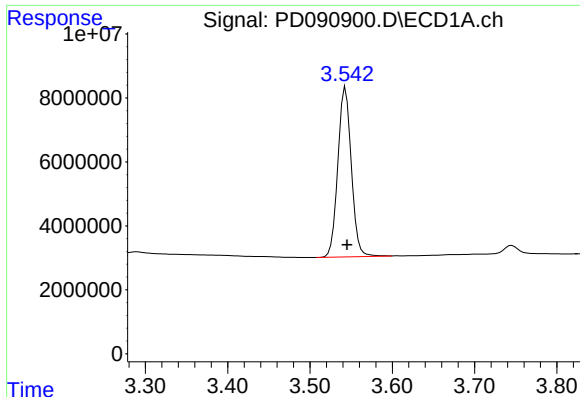
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090900.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 20:22  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:47:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

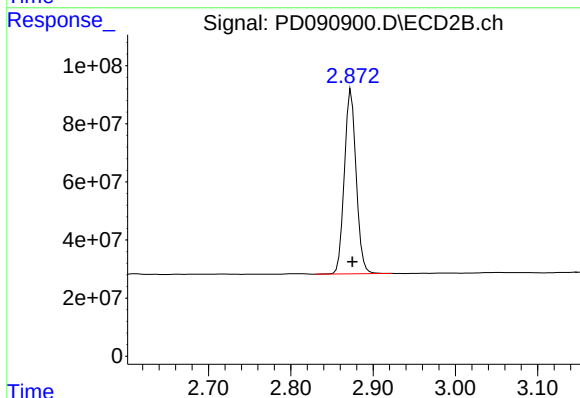




## #1 Tetrachloro-m-xylene

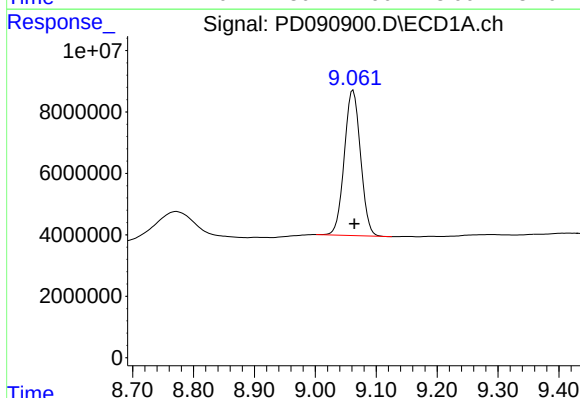
R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 60329544  
Conc: 19.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



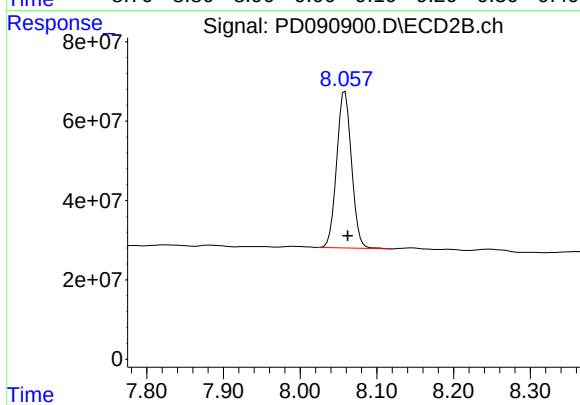
## #1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 634825407  
Conc: 21.32 ng/ml



## #28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: -0.002 min  
Response: 87656907  
Conc: 18.74 ng/ml



## #28 Decachlorobiphenyl

R.T.: 8.058 min  
Delta R.T.: -0.003 min  
Response: 529193046  
Conc: 17.47 ng/ml



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |                     |                 |               |
|--------------------|--------------------------|---------------------|-----------------|---------------|
| Client:            | HDR, Inc.                |                     | Date Collected: |               |
| Project:           | PVWC Linear Construction |                     | Date Received:  |               |
| Client Sample ID:  | PB170283BS               |                     | SDG No.:        | Q3466         |
| Lab Sample ID:     | PB170283BS               |                     | Matrix:         | SOIL          |
| Analytical Method: | 8081B                    |                     | % Solid:        | 100           |
| Sample Wt/Vol:     | 30.01 g                  | Final Vol: 10000 uL | Test:           | Pesticide-TCL |
| Prep Method:       | SW3541                   | Prep Date 10/28/25  |                 |               |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |                     |            |         |                |          |
| 319-84-6          | alpha-BHC            | 15.8  |      | 1  | 0.13                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 319-85-7          | beta-BHC             | 15.4  |      | 1  | 0.18                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 319-86-8          | delta-BHC            | 16.0  |      | 1  | 0.39                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 58-89-9           | gamma-BHC (Lindane)  | 15.7  |      | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 76-44-8           | Heptachlor           | 18.6  |      | 1  | 0.12                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 309-00-2          | Aldrin               | 15.9  |      | 1  | 0.12                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 1024-57-3         | Heptachlor epoxide   | 16.1  |      | 1  | 0.19                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 959-98-8          | Endosulfan I         | 16.0  |      | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 60-57-1           | Dieldrin             | 16.3  |      | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 72-55-9           | 4,4-DDE              | 15.8  |      | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 72-20-8           | Endrin               | 15.5  |      | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 33213-65-9        | Endosulfan II        | 15.9  |      | 1  | 0.29                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 72-54-8           | 4,4-DDD              | 17.3  |      | 1  | 0.15                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 1031-07-8         | Endosulfan Sulfate   | 16.1  |      | 1  | 0.13                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 50-29-3           | 4,4-DDT              | 15.7  |      | 1  | 0.14                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 72-43-5           | Methoxychlor         | 15.9  |      | 1  | 0.37                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 53494-70-5        | Endrin ketone        | 17.0  |      | 1  | 0.19                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 7421-93-4         | Endrin aldehyde      | 16.4  |      | 1  | 0.37                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 5103-71-9         | alpha-Chlordane      | 16.1  |      | 1  | 0.12                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 5103-74-2         | gamma-Chlordane      | 15.9  |      | 1  | 0.15                | 1.70       | ug/kg   | 10/28/25 16:16 | PB170283 |
| 8001-35-2         | Toxaphene            | 5.40  | U    | 1  | 5.40                | 33.0       | ug/kg   | 10/28/25 16:16 | PB170283 |
| <b>SURROGATES</b> |                      |       |      |    |                     |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 21.8  |      |    | 30 (20) - 150 (144) | 109%       | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 14.9  |      |    | 30 (19) - 150 (148) | 75%        | SPK: 20 |                |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090885.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 16:16  
 Operator : AR\AJ  
 Sample : PB170283BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB170283BS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
 Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:44:27 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.549 | 2.873 | 46004532 | 444.0E6  | 14.773  | 14.910 |
| 28)                         | SA Decachlor... | 9.070 | 8.061 | 91319434 | 658.9E6  | 19.521  | 21.751 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.999 | 3.385 | 340.5E6  | 2292.9E6 | 47.443  | 44.874 |
| 3)                          | MA gamma-BHC... | 4.330 | 3.722 | 319.4E6  | 2122.7E6 | 46.982  | 44.926 |
| 4)                          | MA Heptachlor   | 4.928 | 4.074 | 312.6E6  | 2058.8E6 | 55.923  | 46.159 |
| 5)                          | MB Aldrin       | 5.269 | 4.359 | 312.8E6  | 2089.9E6 | 47.778  | 45.121 |
| 6)                          | B beta-BHC      | 4.518 | 4.018 | 120.9E6  | 884.7E6  | 46.154  | 44.617 |
| 7)                          | B delta-BHC     | 4.766 | 4.254 | 324.4E6  | 2164.9E6 | 47.972  | 45.370 |
| 8)                          | B Heptachlo...  | 5.688 | 4.863 | 279.9E6  | 1923.7E6 | 48.344m | 45.116 |
| 9)                          | A Endosulfan I  | 6.073 | 5.237 | 265.8E6  | 1781.2E6 | 48.002  | 45.219 |
| 10)                         | B gamma-Chl...  | 5.945 | 5.116 | 283.8E6  | 2062.8E6 | 47.851  | 45.892 |
| 11)                         | B alpha-Chl...  | 6.026 | 5.181 | 297.7E6  | 1980.4E6 | 48.172  | 45.910 |
| 12)                         | B 4,4'-DDE      | 6.195 | 5.365 | 253.3E6  | 2025.4E6 | 47.545  | 46.203 |
| 13)                         | MA Dieldrin     | 6.346 | 5.503 | 284.5E6  | 2053.2E6 | 48.790  | 46.470 |
| 14)                         | MA Endrin       | 6.573 | 5.780 | 231.0E6  | 1844.6E6 | 46.638  | 45.553 |
| 15)                         | B Endosulfa...  | 6.785 | 6.070 | 239.3E6  | 1773.9E6 | 47.864  | 47.234 |
| 16)                         | A 4,4'-DDD      | 6.705 | 5.919 | 210.5E6  | 1801.8E6 | 51.933  | 49.449 |
| 17)                         | MA 4,4'-DDT     | 7.020 | 6.173 | 194.1E6  | 1623.6E6 | 47.230  | 46.291 |
| 18)                         | B Endrin al...  | 6.915 | 6.249 | 180.3E6  | 1337.3E6 | 49.220  | 48.290 |
| 19)                         | B Endosulfa...  | 7.149 | 6.473 | 222.4E6  | 1728.8E6 | 47.948  | 48.230 |
| 20)                         | A Methoxychlor  | 7.493 | 6.744 | 101.4E6  | 819.7E6  | 47.697  | 47.032 |
| 21)                         | B Endrin ke...  | 7.630 | 6.982 | 245.7E6  | 1923.4E6 | 50.560  | 50.995 |
| 22)                         | Mirex           | 8.112 | 7.175 | 164.2E6  | 1379.4E6 | 51.313  | 53.693 |
| -----                       |                 |       |       |          |          |         |        |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090885.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 16:16  
Operator : AR\AJ  
Sample : PB170283BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_D

ClientSampleId :

PB170283BS

## Manual Integrations

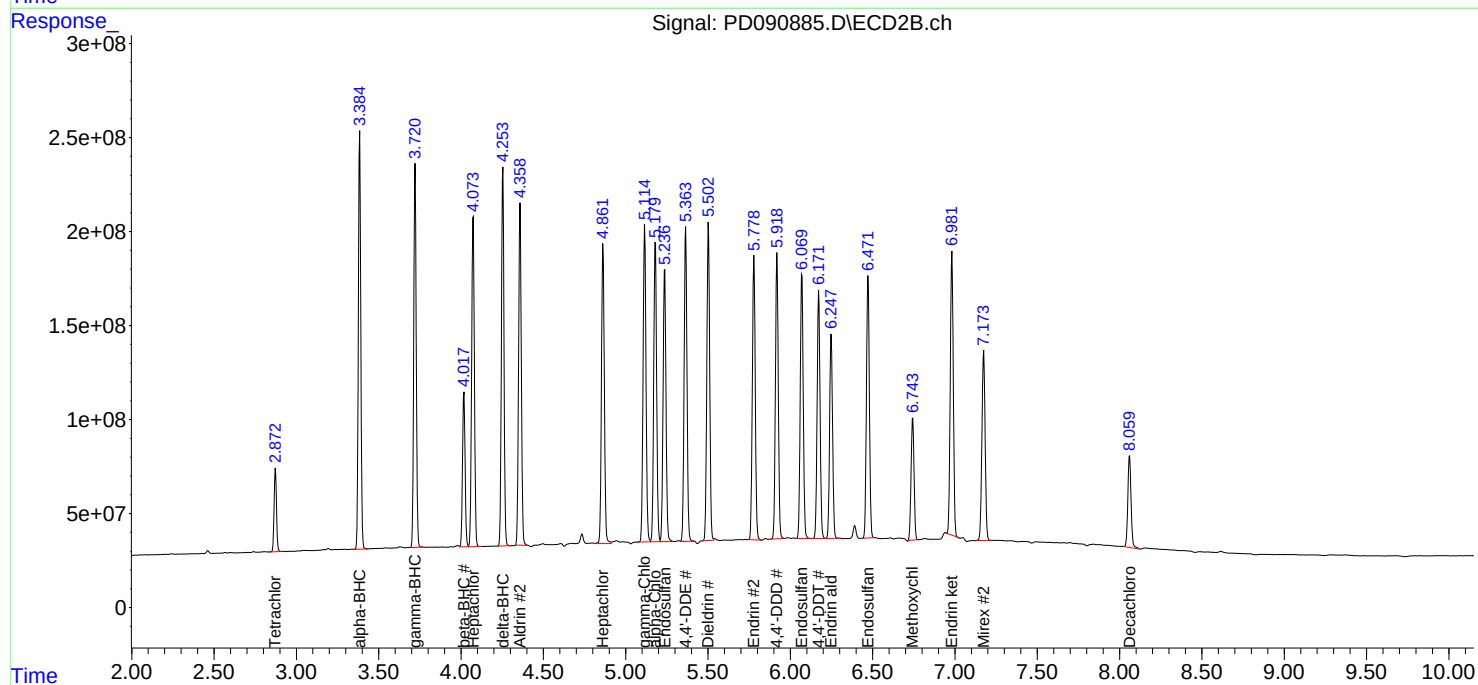
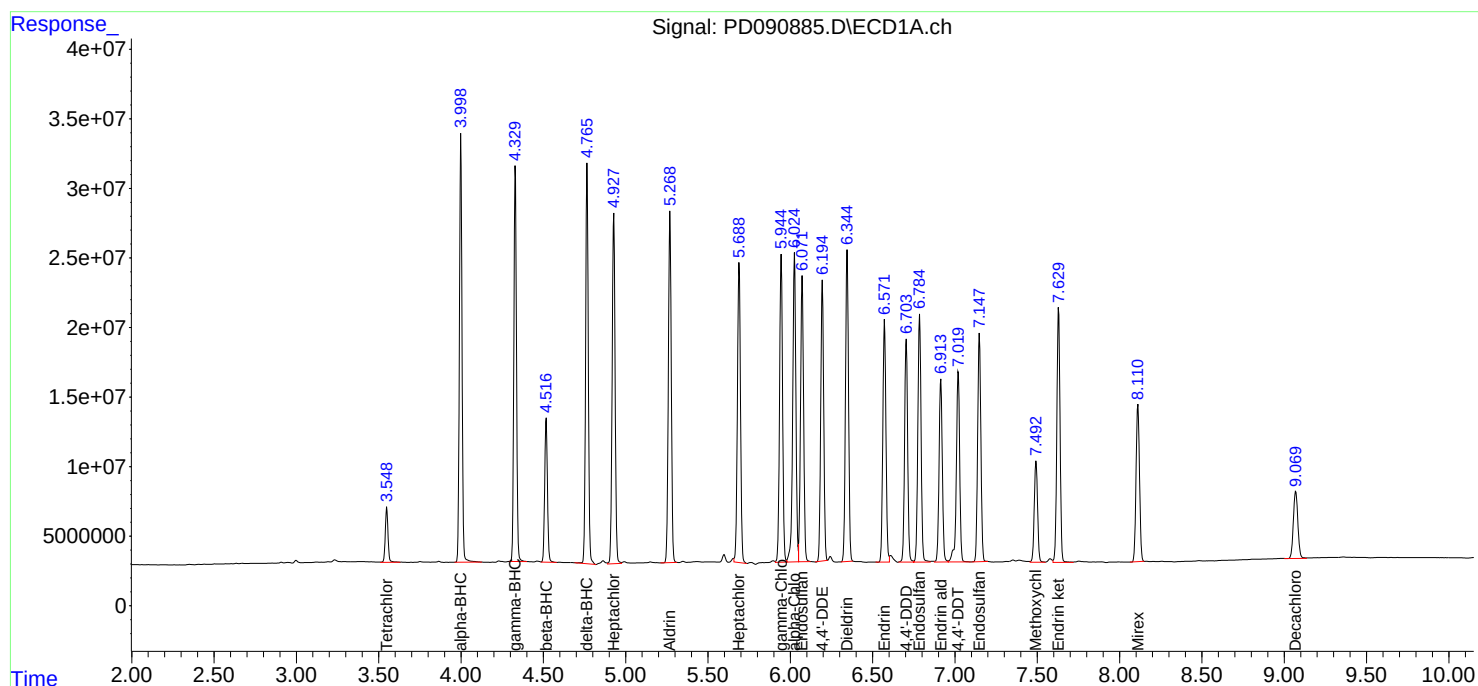
APPROVED

Reviewed By :Abdul Mirza 10/29/2025

Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:44:27 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/23/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/24/25      |
| Client Sample ID:  | B8-0.0-1.0-20251023MS    |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | Q3466-02MS               |            | Matrix:         | SOIL          |
| Analytical Method: | 8081B                    |            | % Solid:        | 85.3          |
| Sample Wt/Vol:     | 30.02 g                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       | SW3541                   | Prep Date  | 10/28/25        | Pesticide-TCL |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |                     |            |         |                |          |
| 319-84-6          | alpha-BHC            | 19.4  |      | 1  | 0.15                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 319-85-7          | beta-BHC             | 18.9  |      | 1  | 0.21                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 319-86-8          | delta-BHC            | 19.5  |      | 1  | 0.46                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 58-89-9           | gamma-BHC (Lindane)  | 18.8  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 76-44-8           | Heptachlor           | 22.7  |      | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 309-00-2          | Aldrin               | 19.0  |      | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 1024-57-3         | Heptachlor epoxide   | 19.2  |      | 1  | 0.22                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 959-98-8          | Endosulfan I         | 19.0  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 60-57-1           | Dieldrin             | 19.6  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 72-55-9           | 4,4-DDE              | 18.4  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 72-20-8           | Endrin               | 19.2  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 33213-65-9        | Endosulfan II        | 19.9  |      | 1  | 0.34                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 72-54-8           | 4,4-DDD              | 20.7  |      | 1  | 0.18                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 1031-07-8         | Endosulfan Sulfate   | 18.6  |      | 1  | 0.15                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 50-29-3           | 4,4-DDT              | 21.2  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 72-43-5           | Methoxychlor         | 18.9  |      | 1  | 0.43                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 53494-70-5        | Endrin ketone        | 19.4  |      | 1  | 0.22                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 7421-93-4         | Endrin aldehyde      | 19.0  |      | 1  | 0.43                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 5103-71-9         | alpha-Chlordane      | 18.6  |      | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 5103-74-2         | gamma-Chlordane      | 19.3  |      | 1  | 0.18                | 2.00       | ug/kg   | 10/28/25 19:00 | PB170283 |
| 8001-35-2         | Toxaphene            | 6.30  | U    | 1  | 6.30                | 38.7       | ug/kg   | 10/28/25 19:00 | PB170283 |
| <b>SURROGATES</b> |                      |       |      |    |                     |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 15.1  |      |    | 30 (20) - 150 (144) | 75%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 19.1  |      |    | 30 (19) - 150 (148) | 96%        | SPK: 20 |                |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090894.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 19:00  
 Operator : AR\AJ  
 Sample : Q3466-02MS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 B8-0.0-1.0-20251023MS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
 Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:46:42 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.542 | 2.873 | 56251685 | 569.6E6  | 18.063m | 19.128  |
| 28)                         | SA Decachlor... | 9.062 | 8.057 | 70493079 | 456.2E6  | 15.069  | 15.061  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 356.0E6  | 2402.3E6 | 49.603  | 47.016  |
| 3)                          | MA gamma-BHC... | 4.322 | 3.721 | 327.2E6  | 2160.3E6 | 48.119m | 45.721  |
| 4)                          | MA Heptachlor   | 4.921 | 4.073 | 324.7E6  | 2182.3E6 | 58.085  | 48.927  |
| 5)                          | MB Aldrin       | 5.263 | 4.358 | 318.9E6  | 2112.2E6 | 48.715  | 45.600  |
| 6)                          | B beta-BHC      | 4.511 | 4.017 | 116.1E6  | 962.1E6  | 44.306  | 48.520  |
| 7)                          | B delta-BHC     | 4.759 | 4.253 | 338.2E6  | 2217.2E6 | 50.019  | 46.467  |
| 8)                          | B Heptachlo...  | 5.682 | 4.861 | 285.2E6  | 1956.7E6 | 49.268  | 45.889  |
| 9)                          | A Endosulfan I  | 6.066 | 5.236 | 269.9E6  | 1678.5E6 | 48.742  | 42.612  |
| 10)                         | B gamma-Chl...  | 5.936 | 5.114 | 279.4E6  | 2220.9E6 | 47.101m | 49.410  |
| 11)                         | B alpha-Chl...  | 6.019 | 5.179 | 291.2E6  | 2053.7E6 | 47.126  | 47.607  |
| 12)                         | B 4,4'-DDE      | 6.189 | 5.363 | 249.7E6  | 2063.4E6 | 46.874  | 47.068  |
| 13)                         | MA Dieldrin     | 6.339 | 5.501 | 281.8E6  | 2213.2E6 | 48.332  | 50.090  |
| 14)                         | MA Endrin       | 6.566 | 5.776 | 243.6E6  | 1878.1E6 | 49.181  | 46.380m |
| 15)                         | B Endosulfa...  | 6.779 | 6.069 | 235.5E6  | 1918.1E6 | 47.101  | 51.073  |
| 16)                         | A 4,4'-DDD      | 6.698 | 5.918 | 214.7E6  | 1612.1E6 | 52.949  | 44.242  |
| 17)                         | MA 4,4'-DDT     | 7.014 | 6.171 | 223.5E6  | 1881.1E6 | 54.361  | 53.633  |
| 18)                         | B Endrin al...  | 6.908 | 6.248 | 178.1E6  | 1328.4E6 | 48.627  | 47.971  |
| 19)                         | B Endosulfa...  | 7.142 | 6.471 | 217.3E6  | 1704.3E6 | 46.854  | 47.546  |
| 20)                         | A Methoxychlor  | 7.487 | 6.742 | 103.0E6  | 765.4E6  | 48.475  | 43.917  |
| 21)                         | B Endrin ke...  | 7.623 | 6.980 | 241.6E6  | 1679.4E6 | 49.725  | 44.525  |
| 22)                         | Mirex           | 8.104 | 7.171 | 147.6E6  | 1143.8E6 | 46.113m | 44.522m |
| -----                       |                 |       |       |          |          |         |         |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090894.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 19:00  
Operator : AR\AJ  
Sample : Q3466-02MS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

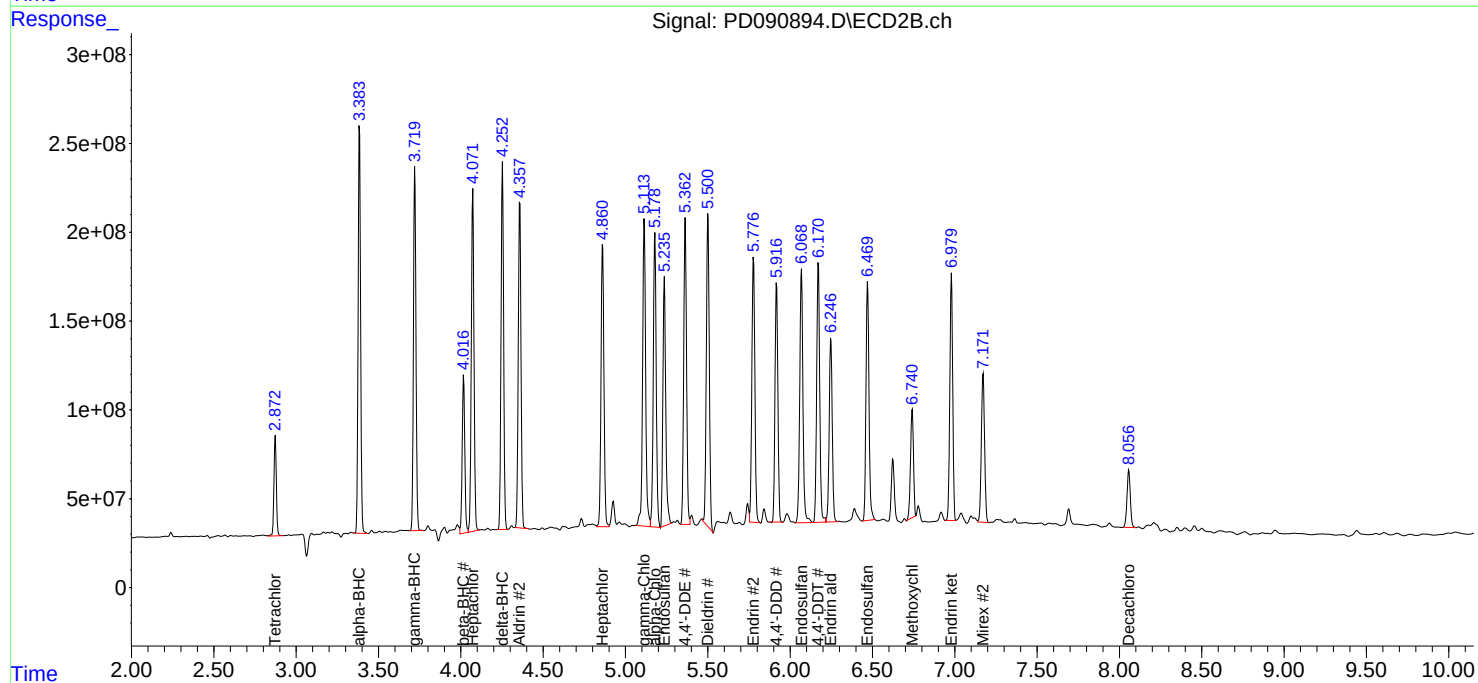
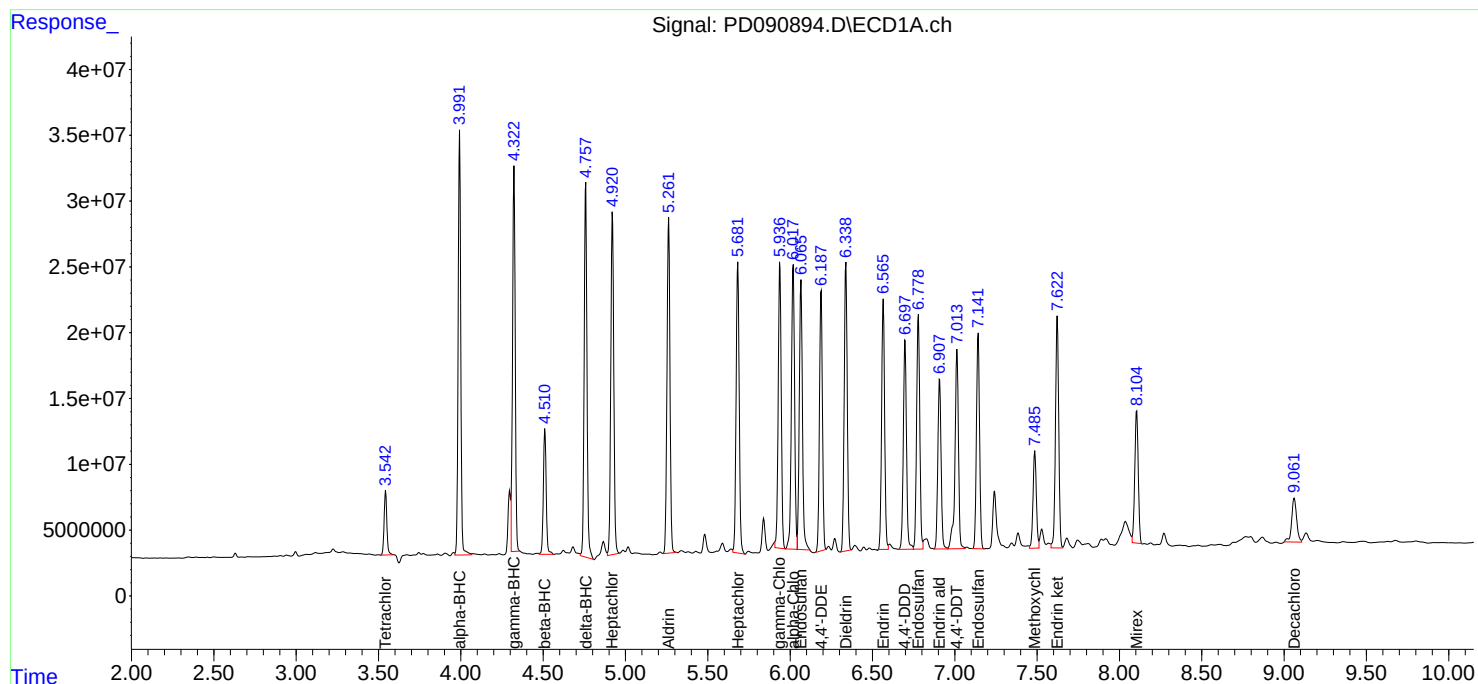
Instrument :  
ECD\_D  
ClientSampleId :  
B8-0.0-1.0-20251023MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:46:42 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

## Report of Analysis

|                    |                          |            |                 |               |
|--------------------|--------------------------|------------|-----------------|---------------|
| Client:            | HDR, Inc.                |            | Date Collected: | 10/23/25      |
| Project:           | PVWC Linear Construction |            | Date Received:  | 10/24/25      |
| Client Sample ID:  | B8-0.0-1.0-20251023MSD   |            | SDG No.:        | Q3466         |
| Lab Sample ID:     | Q3466-02MSD              |            | Matrix:         | SOIL          |
| Analytical Method: | 8081B                    |            | % Solid:        | 85.3          |
| Sample Wt/Vol:     | 30.07 g                  | Final Vol: | 10000 uL        | Test:         |
| Prep Method:       | SW3541                   | Prep Date  | 10/28/25        | Pesticide-TCL |

| CAS Number        | Parameter            | Conc. | Qua. | DF | MDL                 | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|-------------------|----------------------|-------|------|----|---------------------|------------|---------|----------------|----------|
| <b>TARGETS</b>    |                      |       |      |    |                     |            |         |                |          |
| 319-84-6          | alpha-BHC            | 20.7  |      | 1  | 0.15                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 319-85-7          | beta-BHC             | 20.2  |      | 1  | 0.21                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 319-86-8          | delta-BHC            | 20.7  |      | 1  | 0.46                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 58-89-9           | gamma-BHC (Lindane)  | 20.4  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 76-44-8           | Heptachlor           | 24.2  |      | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 309-00-2          | Aldrin               | 20.2  |      | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 1024-57-3         | Heptachlor epoxide   | 20.5  |      | 1  | 0.22                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 959-98-8          | Endosulfan I         | 20.2  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 60-57-1           | Dieldrin             | 20.6  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 72-55-9           | 4,4-DDE              | 19.4  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 72-20-8           | Endrin               | 20.3  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 33213-65-9        | Endosulfan II        | 20.7  |      | 1  | 0.34                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 72-54-8           | 4,4-DDD              | 21.8  |      | 1  | 0.18                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 1031-07-8         | Endosulfan Sulfate   | 19.2  |      | 1  | 0.15                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 50-29-3           | 4,4-DDT              | 22.6  |      | 1  | 0.16                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 72-43-5           | Methoxychlor         | 19.8  |      | 1  | 0.43                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 53494-70-5        | Endrin ketone        | 20.5  |      | 1  | 0.22                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 7421-93-4         | Endrin aldehyde      | 20.0  |      | 1  | 0.43                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 5103-71-9         | alpha-Chlordane      | 19.8  |      | 1  | 0.14                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 5103-74-2         | gamma-Chlordane      | 20.4  |      | 1  | 0.18                | 2.00       | ug/kg   | 10/28/25 19:14 | PB170283 |
| 8001-35-2         | Toxaphene            | 6.30  | U    | 1  | 6.30                | 38.6       | ug/kg   | 10/28/25 19:14 | PB170283 |
| <b>SURROGATES</b> |                      |       |      |    |                     |            |         |                |          |
| 2051-24-3         | Decachlorobiphenyl   | 15.2  |      |    | 30 (20) - 150 (144) | 76%        | SPK: 20 |                |          |
| 877-09-8          | Tetrachloro-m-xylene | 20.3  |      |    | 30 (19) - 150 (148) | 102%       | SPK: 20 |                |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
 Data File : PD090895.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Oct 2025 19:14  
 Operator : AR\AJ  
 Sample : Q3466-02MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 B8-0.0-1.0-20251023MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/29/2025  
 Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 29 01:46:52 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.542 | 2.873 | 59990670 | 605.0E6  | 19.264m | 20.317  |
| 28)                         | SA Decachlor... | 9.062 | 8.058 | 69061444 | 461.5E6  | 14.763  | 15.236  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 380.8E6  | 2570.5E6 | 53.053  | 50.307  |
| 3)                          | MA gamma-BHC... | 4.322 | 3.721 | 355.8E6  | 2298.7E6 | 52.331m | 48.652  |
| 4)                          | MA Heptachlor   | 4.921 | 4.073 | 346.3E6  | 2326.5E6 | 61.956  | 52.160  |
| 5)                          | MB Aldrin       | 5.262 | 4.358 | 339.4E6  | 2238.2E6 | 51.840  | 48.323  |
| 6)                          | B beta-BHC      | 4.511 | 4.017 | 122.2E6  | 1027.0E6 | 46.640  | 51.791  |
| 7)                          | B delta-BHC     | 4.759 | 4.253 | 358.6E6  | 2352.0E6 | 53.028  | 49.291  |
| 8)                          | B Heptachlo...  | 5.683 | 4.862 | 304.2E6  | 2068.0E6 | 52.540  | 48.501  |
| 9)                          | A Endosulfan I  | 6.067 | 5.237 | 287.6E6  | 1771.9E6 | 51.937  | 44.983  |
| 10)                         | B gamma-Chl...  | 5.937 | 5.115 | 296.2E6  | 2347.7E6 | 49.944m | 52.230  |
| 11)                         | B alpha-Chl...  | 6.019 | 5.179 | 313.4E6  | 2169.5E6 | 50.707  | 50.293  |
| 12)                         | B 4,4'-DDE      | 6.189 | 5.364 | 264.0E6  | 2177.9E6 | 49.571  | 49.679  |
| 13)                         | MA Dieldrin     | 6.339 | 5.501 | 298.2E6  | 2336.0E6 | 51.134  | 52.870  |
| 14)                         | MA Endrin       | 6.566 | 5.777 | 258.5E6  | 1963.6E6 | 52.181  | 48.490m |
| 15)                         | B Endosulfa...  | 6.779 | 6.070 | 249.1E6  | 1995.6E6 | 49.822  | 53.137  |
| 16)                         | A 4,4'-DDD      | 6.698 | 5.919 | 226.5E6  | 1676.2E6 | 55.871  | 46.001  |
| 17)                         | MA 4,4'-DDT     | 7.013 | 6.171 | 238.7E6  | 1955.6E6 | 58.082  | 55.758  |
| 18)                         | B Endrin al...  | 6.908 | 6.248 | 187.6E6  | 1396.9E6 | 51.225  | 50.443  |
| 19)                         | B Endosulfa...  | 7.143 | 6.471 | 227.7E6  | 1766.6E6 | 49.102  | 49.284  |
| 20)                         | A Methoxychlor  | 7.486 | 6.742 | 108.1E6  | 805.8E6  | 50.852  | 46.235  |
| 21)                         | B Endrin ke...  | 7.622 | 6.980 | 255.1E6  | 1733.1E6 | 52.508  | 45.949  |
| 22)                         | Mirex           | 8.103 | 7.172 | 153.1E6  | 1147.9E6 | 47.822m | 44.682  |
| -----                       |                 |       |       |          |          |         |         |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102825\  
Data File : PD090895.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Oct 2025 19:14  
Operator : AR\AJ  
Sample : Q3466-02MSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

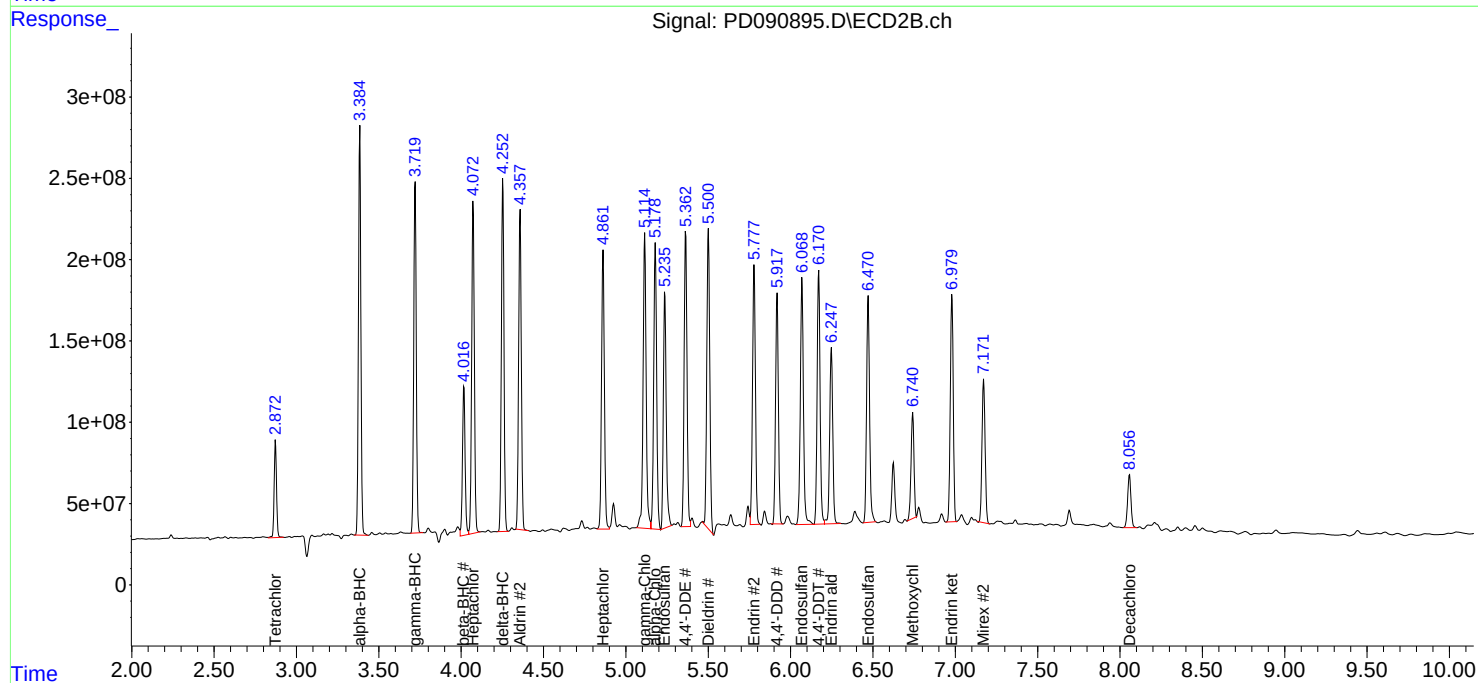
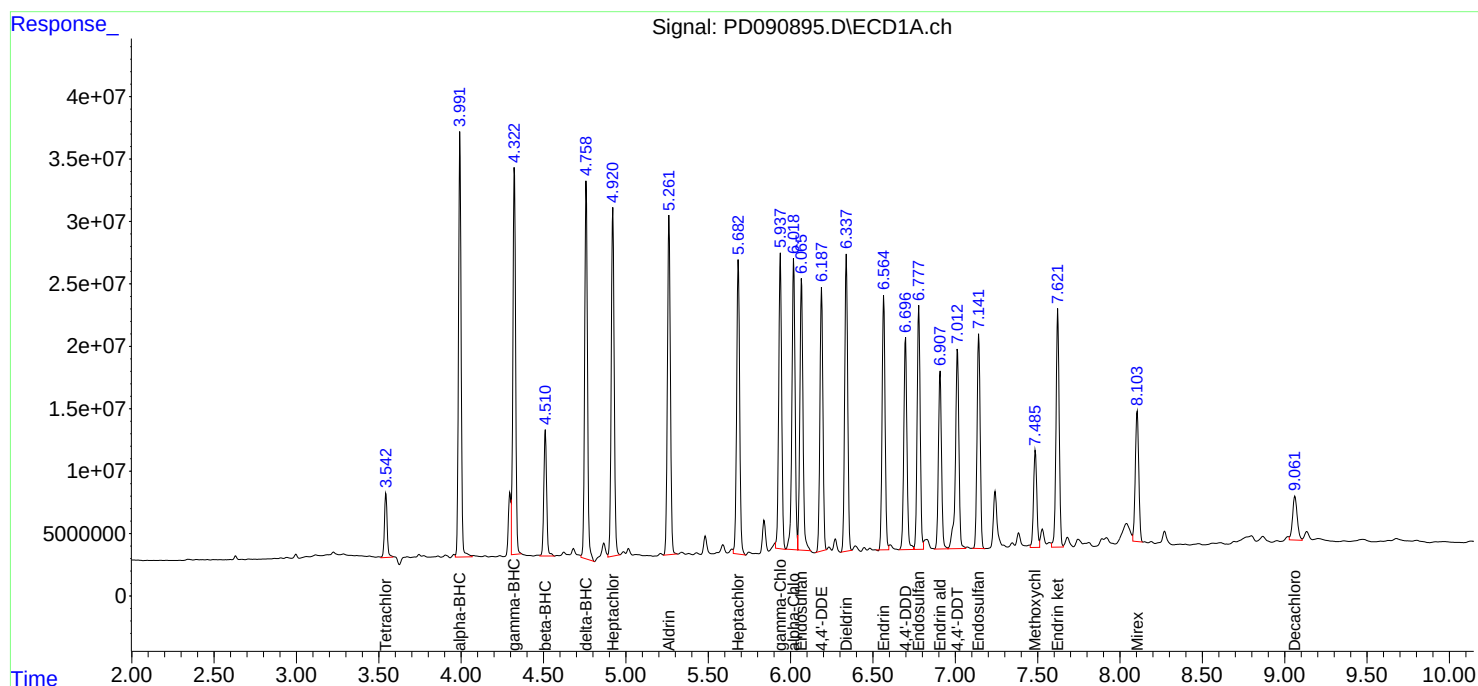
Instrument :  
ECD\_D  
ClientSampleId :  
B8-0.0-1.0-20251023MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 29 01:46:52 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pd101725 | Instrument | ECD_d |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| PEM        | PD090648.D | Endrin aldehyde      | Abdul     | 10/19/2025<br>5:20:46 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PEM        | PD090648.D | Endrin ketone #2     | Abdul     | 10/19/2025<br>5:20:46 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| RESCHK     | PD090649.D | Tetrachloro-m-xylene | Abdul     | 10/19/2025<br>5:20:37 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | alpha-Chlordane      | Abdul     | 10/19/2025<br>5:19:40 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | Endrin ketone        | Abdul     | 10/19/2025<br>5:19:40 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | Tetrachloro-m-xylene | Abdul     | 10/19/2025<br>5:19:40 PM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PTOXICV500 | PD090667.D | Toxaphene-5 #2       | Abdul     | 10/21/2025<br>8:49:16 AM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PEM        | PD090669.D | 4,4"-DDD             | Abdul     | 10/21/2025<br>8:49:12 AM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PEM        | PD090669.D | 4,4"-DDD #2          | Abdul     | 10/21/2025<br>8:49:12 AM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |
| PEM        | PD090669.D | Endrin aldehyde      | Abdul     | 10/21/2025<br>8:49:12 AM | mohammad      | 10/24/2025<br>1:04:58 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pd102825 | Instrument | ECD_d |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| PEM        | PD090868.D | 4,4"-DDE             | Abdul     | 10/29/2025<br>8:14:23 AM | Sohil         | 10/29/2025<br>4:12:45 | Peak Integrated by Software |
| PEM        | PD090868.D | 4,4"-DDE #2          | Abdul     | 10/29/2025<br>8:14:23 AM | Sohil         | 10/29/2025<br>4:12:45 | Peak Integrated by Software |
| PSTDCCC050 | PD090880.D | beta-BHC             | Abdul     | 10/29/2025<br>8:13:49 AM | Sohil         | 10/29/2025<br>4:12:57 | Peak Integrated by Software |
| PSTDCCC050 | PD090880.D | Heptachlor epoxide   | Abdul     | 10/29/2025<br>8:13:49 AM | Sohil         | 10/29/2025<br>4:12:57 | Peak Integrated by Software |
| PB170283BS | PD090885.D | Heptachlor epoxide   | Abdul     | 10/29/2025<br>8:13:45 AM | Sohil         | 10/29/2025<br>4:13:00 | Peak Integrated by Software |
| Q3466-02   | PD090893.D | 4,4"-DDE             | Abdul     | 10/29/2025<br>8:13:34 AM | Sohil         | 10/29/2025<br>4:13:05 | Peak Integrated by Software |
| Q3466-02   | PD090893.D | Dieldrin             | Abdul     | 10/29/2025<br>8:13:34 AM | Sohil         | 10/29/2025<br>4:13:05 | Peak Integrated by Software |
| Q3466-02   | PD090893.D | Dieldrin #2          | Abdul     | 10/29/2025<br>8:13:34 AM | Sohil         | 10/29/2025<br>4:13:05 | Peak Integrated by Software |
| Q3466-02   | PD090893.D | Endrin               | Abdul     | 10/29/2025<br>8:13:34 AM | Sohil         | 10/29/2025<br>4:13:05 | Peak Integrated by Software |
| Q3466-02   | PD090893.D | Endrin #2            | Abdul     | 10/29/2025<br>8:13:34 AM | Sohil         | 10/29/2025<br>4:13:05 | Peak Integrated by Software |
| Q3466-02   | PD090893.D | Tetrachloro-m-xylene | Abdul     | 10/29/2025<br>8:13:34 AM | Sohil         | 10/29/2025<br>4:13:05 | Peak Integrated by Software |
| Q3466-02MS | PD090894.D | Endrin #2            | Abdul     | 10/29/2025<br>8:13:30 AM | Sohil         | 10/29/2025<br>4:13:07 | Peak Integrated by Software |
| Q3466-02MS | PD090894.D | gamma-BHC (Lindane)  | Abdul     | 10/29/2025<br>8:13:30 AM | Sohil         | 10/29/2025<br>4:13:07 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pd102825 | Instrument | ECD_d |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| Q3466-02MS  | PD090894.D | gamma-Chlordane      | Abdul     | 10/29/2025<br>8:13:30 AM | Sohil         | 10/29/2025<br>4:13:07 | Peak Integrated by Software |
| Q3466-02MS  | PD090894.D | Mirex                | Abdul     | 10/29/2025<br>8:13:30 AM | Sohil         | 10/29/2025<br>4:13:07 | Peak Integrated by Software |
| Q3466-02MS  | PD090894.D | Mirex #2             | Abdul     | 10/29/2025<br>8:13:30 AM | Sohil         | 10/29/2025<br>4:13:07 | Peak Integrated by Software |
| Q3466-02MS  | PD090894.D | Tetrachloro-m-xylene | Abdul     | 10/29/2025<br>8:13:30 AM | Sohil         | 10/29/2025<br>4:13:07 | Peak Integrated by Software |
| Q3466-02MSD | PD090895.D | Endrin #2            | Abdul     | 10/29/2025<br>8:13:27 AM | Sohil         | 10/29/2025<br>4:13:08 | Peak Integrated by Software |
| Q3466-02MSD | PD090895.D | gamma-BHC (Lindane)  | Abdul     | 10/29/2025<br>8:13:27 AM | Sohil         | 10/29/2025<br>4:13:08 | Peak Integrated by Software |
| Q3466-02MSD | PD090895.D | gamma-Chlordane      | Abdul     | 10/29/2025<br>8:13:27 AM | Sohil         | 10/29/2025<br>4:13:08 | Peak Integrated by Software |
| Q3466-02MSD | PD090895.D | Mirex                | Abdul     | 10/29/2025<br>8:13:27 AM | Sohil         | 10/29/2025<br>4:13:08 | Peak Integrated by Software |
| Q3466-02MSD | PD090895.D | Tetrachloro-m-xylene | Abdul     | 10/29/2025<br>8:13:27 AM | Sohil         | 10/29/2025<br>4:13:08 | Peak Integrated by Software |
| Q3466-05    | PD090896.D | alpha-Chlordane      | Abdul     | 10/29/2025<br>8:13:24 AM | Sohil         | 10/29/2025<br>4:13:10 | Peak Integrated by Software |
| Q3466-05    | PD090896.D | alpha-Chlordane #2   | Abdul     | 10/29/2025<br>8:13:24 AM | Sohil         | 10/29/2025<br>4:13:10 | Peak Integrated by Software |
| Q3466-05    | PD090896.D | Dieldrin #2          | Abdul     | 10/29/2025<br>8:13:24 AM | Sohil         | 10/29/2025<br>4:13:10 | Peak Integrated by Software |
| Q3466-05    | PD090896.D | Endrin               | Abdul     | 10/29/2025<br>8:13:24 AM | Sohil         | 10/29/2025<br>4:13:10 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

pd102825

Instrument

ECD\_d

| Sample ID | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-----------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| Q3466-05  | PD090896.D | Endrin #2            | Abdul     | 10/29/2025<br>8:13:24 AM | Sohil         | 10/29/2025<br>4:13:10 | Peak Integrated by Software |
| Q3466-05  | PD090896.D | gamma-Chlordane #2   | Abdul     | 10/29/2025<br>8:13:24 AM | Sohil         | 10/29/2025<br>4:13:10 | Peak Integrated by Software |
| Q3466-05  | PD090896.D | Heptachlor epoxide   | Abdul     | 10/29/2025<br>8:13:24 AM | Sohil         | 10/29/2025<br>4:13:10 | Peak Integrated by Software |
| Q3466-05  | PD090896.D | Tetrachloro-m-xylene | Abdul     | 10/29/2025<br>8:13:24 AM | Sohil         | 10/29/2025<br>4:13:10 | Peak Integrated by Software |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/19/2025 5:21:31 PM              |
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

| Sr# | Sampleld      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PD090646.D     | 17 Oct 2025 10:40 | AR\AJ    | Ok     |
| 2   | I.BLK         | PD090647.D     | 17 Oct 2025 10:53 | AR\AJ    | Ok     |
| 3   | PEM           | PD090648.D     | 17 Oct 2025 11:07 | AR\AJ    | Ok,M   |
| 4   | RESCHK        | PD090649.D     | 17 Oct 2025 11:20 | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PD090650.D     | 17 Oct 2025 11:34 | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PD090651.D     | 17 Oct 2025 11:48 | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PD090652.D     | 17 Oct 2025 12:01 | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PD090653.D     | 17 Oct 2025 12:15 | AR\AJ    | Ok     |
| 9   | PSTDICC005    | PD090654.D     | 17 Oct 2025 12:28 | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PD090655.D     | 17 Oct 2025 12:42 | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PD090656.D     | 17 Oct 2025 12:56 | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PD090657.D     | 17 Oct 2025 13:09 | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PD090658.D     | 17 Oct 2025 13:23 | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PD090659.D     | 17 Oct 2025 13:36 | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PD090660.D     | 17 Oct 2025 13:50 | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PD090661.D     | 17 Oct 2025 14:03 | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PD090662.D     | 17 Oct 2025 14:17 | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PD090663.D     | 17 Oct 2025 14:30 | AR\AJ    | Ok     |
| 19  | PTOXICC100    | PD090664.D     | 17 Oct 2025 16:18 | AR\AJ    | Ok     |
| 20  | PSTDICV050    | PD090665.D     | 17 Oct 2025 16:46 | AR\AJ    | Ok     |
| 21  | PCHLORICV500  | PD090666.D     | 17 Oct 2025 17:50 | AR\AJ    | Ok     |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/19/2025 5:21:31 PM              |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | PTOXICV500  | PD090667.D | 17 Oct 2025 18:42 | AR\AJ | Ok,M |
| 23 | I.BLK       | PD090668.D | 17 Oct 2025 19:50 | AR\AJ | Ok   |
| 24 | PEM         | PD090669.D | 17 Oct 2025 20:04 | AR\AJ | Ok,M |
| 25 | PSTDCCC050  | PD090670.D | 17 Oct 2025 20:18 | AR\AJ | Ok   |
| 26 | PB170142BL  | PD090671.D | 17 Oct 2025 20:31 | AR\AJ | Ok   |
| 27 | PB170142BS  | PD090672.D | 17 Oct 2025 20:45 | AR\AJ | Ok   |
| 28 | Q3366-01    | PD090673.D | 17 Oct 2025 20:59 | AR\AJ | Ok,M |
| 29 | Q3366-03    | PD090674.D | 17 Oct 2025 21:12 | AR\AJ | Ok,M |
| 30 | Q3367-01    | PD090675.D | 17 Oct 2025 21:26 | AR\AJ | Ok,M |
| 31 | Q3369-01    | PD090676.D | 17 Oct 2025 21:40 | AR\AJ | Ok,M |
| 32 | Q3369-05    | PD090677.D | 17 Oct 2025 21:53 | AR\AJ | Ok,M |
| 33 | Q3363-01    | PD090678.D | 17 Oct 2025 22:48 | AR\AJ | Ok,M |
| 34 | Q3363-02    | PD090679.D | 17 Oct 2025 23:02 | AR\AJ | Ok,M |
| 35 | Q3363-03    | PD090680.D | 17 Oct 2025 23:15 | AR\AJ | Ok,M |
| 36 | Q3363-04    | PD090681.D | 17 Oct 2025 23:29 | AR\AJ | Ok,M |
| 37 | Q3363-04MS  | PD090682.D | 17 Oct 2025 23:43 | AR\AJ | Ok,M |
| 38 | Q3363-04MSD | PD090683.D | 17 Oct 2025 23:56 | AR\AJ | Ok,M |
| 39 | Q3363-05    | PD090684.D | 18 Oct 2025 00:10 | AR\AJ | Ok,M |
| 40 | Q3343-04MS  | PD090685.D | 18 Oct 2025 00:24 | AR\AJ | Ok,M |
| 41 | Q3343-04MSD | PD090686.D | 18 Oct 2025 00:37 | AR\AJ | Ok   |
| 42 | I.BLK       | PD090687.D | 18 Oct 2025 00:51 | AR\AJ | Ok   |
| 43 | PSTDCCC050  | PD090688.D | 18 Oct 2025 02:13 | AR\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102825**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/29/2025 8:15:04 AM              |
| Supervise By             | Sohil                                                                                                                                   | Supervise On      | 10/29/2025 4:13:32 PM              |
| SubDirectory             | PD102825                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PD090866.D     | 28 Oct 2025 09:28 | AR\AJ    | Ok     |
| 2   | I.BLK       | PD090867.D     | 28 Oct 2025 09:42 | AR\AJ    | Ok     |
| 3   | PEM         | PD090868.D     | 28 Oct 2025 09:55 | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PD090869.D     | 28 Oct 2025 10:46 | AR\AJ    | Ok     |
| 5   | PB170270BL  | PD090870.D     | 28 Oct 2025 10:59 | AR\AJ    | Not Ok |
| 6   | PB170270BS  | PD090871.D     | 28 Oct 2025 11:13 | AR\AJ    | Not Ok |
| 7   | PB170239TB  | PD090872.D     | 28 Oct 2025 11:27 | AR\AJ    | Not Ok |
| 8   | Q3447-02    | PD090873.D     | 28 Oct 2025 11:40 | AR\AJ    | Ok     |
| 9   | Q3447-02MS  | PD090874.D     | 28 Oct 2025 11:54 | AR\AJ    | Ok,M   |
| 10  | Q3447-02MSD | PD090875.D     | 28 Oct 2025 12:08 | AR\AJ    | Ok,M   |
| 11  | Q3447-04    | PD090876.D     | 28 Oct 2025 12:21 | AR\AJ    | Ok,M   |
| 12  | Q3447-06    | PD090877.D     | 28 Oct 2025 12:35 | AR\AJ    | Ok     |
| 13  | Q3447-08    | PD090878.D     | 28 Oct 2025 12:48 | AR\AJ    | Ok,M   |
| 14  | I.BLK       | PD090879.D     | 28 Oct 2025 13:16 | AR\AJ    | Ok     |
| 15  | PSTDCCC050  | PD090880.D     | 28 Oct 2025 13:50 | AR\AJ    | Ok,M   |
| 16  | PB170283BL  | PD090881.D     | 28 Oct 2025 14:35 | AR\AJ    | Ok     |
| 17  | PB170283BS  | PD090882.D     | 28 Oct 2025 15:21 | AR\AJ    | Not Ok |
| 18  | PB170239TB  | PD090883.D     | 28 Oct 2025 15:42 | AR\AJ    | Ok     |
| 19  | PB170270BS  | PD090884.D     | 28 Oct 2025 15:55 | AR\AJ    | Ok     |
| 20  | PB170283BS  | PD090885.D     | 28 Oct 2025 16:16 | AR\AJ    | Ok,M   |
| 21  | Q3465-01    | PD090886.D     | 28 Oct 2025 16:30 | AR\AJ    | Ok     |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102825**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/29/2025 8:15:04 AM              |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | Sohil                                                                                                                                   | Supervise On      | 10/29/2025 4:13:32 PM              |
| SubDirectory             | PD102825                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | PB170287BL  | PD090887.D | 28 Oct 2025 16:43 | AR\AJ | Ok   |
| 23 | PB170287BS  | PD090888.D | 28 Oct 2025 16:57 | AR\AJ | Ok   |
| 24 | PB170287BSD | PD090889.D | 28 Oct 2025 17:11 | AR\AJ | Ok   |
| 25 | Q3434-02    | PD090890.D | 28 Oct 2025 17:24 | AR\AJ | Ok,M |
| 26 | I.BLK       | PD090891.D | 28 Oct 2025 17:38 | AR\AJ | Ok   |
| 27 | PSTDCCC050  | PD090892.D | 28 Oct 2025 17:52 | AR\AJ | Ok   |
| 28 | Q3466-02    | PD090893.D | 28 Oct 2025 18:46 | AR\AJ | Ok,M |
| 29 | Q3466-02MS  | PD090894.D | 28 Oct 2025 19:00 | AR\AJ | Ok,M |
| 30 | Q3466-02MSD | PD090895.D | 28 Oct 2025 19:14 | AR\AJ | Ok,M |
| 31 | Q3466-05    | PD090896.D | 28 Oct 2025 19:27 | AR\AJ | Ok,M |
| 32 | Q3466-07    | PD090897.D | 28 Oct 2025 19:41 | AR\AJ | Ok   |
| 33 | Q3469-01    | PD090898.D | 28 Oct 2025 19:55 | AR\AJ | Ok,M |
| 34 | Q3472-16    | PD090899.D | 28 Oct 2025 20:08 | AR\AJ | Ok,M |
| 35 | I.BLK       | PD090900.D | 28 Oct 2025 20:22 | AR\AJ | Ok   |
| 36 | PEM         | PD090901.D | 28 Oct 2025 20:36 | AR\AJ | Ok   |
| 37 | PSTDCCC050  | PD090902.D | 28 Oct 2025 21:58 | AR\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

|                          |                                                                                                                                        |                   |                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                  | Review On         | 10/19/2025 5:21:31 PM              |
| Supervise By             | mohammad                                                                                                                               | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                               | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                       |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                        |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                        |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                |                   |                                    |
| Surrogate Standard       |                                                                                                                                        |                   |                                    |
| MS/MSD Standard          |                                                                                                                                        |                   |                                    |
| LCS Standard             |                                                                                                                                        |                   |                                    |

| Sr# | Sampleld      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PD090646.D     | 17 Oct 2025 10:40 |         | AR\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PD090647.D     | 17 Oct 2025 10:53 |         | AR\AJ    | Ok     |
| 3   | PEM           | PEM           | PD090648.D     | 17 Oct 2025 11:07 |         | AR\AJ    | Ok,M   |
| 4   | RESCHK        | RESCHK        | PD090649.D     | 17 Oct 2025 11:20 |         | AR\AJ    | Ok,M   |
| 5   | PSTDICC100    | PSTDICC100    | PD090650.D     | 17 Oct 2025 11:34 |         | AR\AJ    | Ok     |
| 6   | PSTDICC075    | PSTDICC075    | PD090651.D     | 17 Oct 2025 11:48 |         | AR\AJ    | Ok     |
| 7   | PSTDICC050    | PSTDICC050    | PD090652.D     | 17 Oct 2025 12:01 |         | AR\AJ    | Ok     |
| 8   | PSTDICC025    | PSTDICC025    | PD090653.D     | 17 Oct 2025 12:15 |         | AR\AJ    | Ok     |
| 9   | PSTDICC005    | PSTDICC005    | PD090654.D     | 17 Oct 2025 12:28 |         | AR\AJ    | Ok,M   |
| 10  | PCHLORICC1000 | PCHLORICC1000 | PD090655.D     | 17 Oct 2025 12:42 |         | AR\AJ    | Ok     |
| 11  | PCHLORICC750  | PCHLORICC750  | PD090656.D     | 17 Oct 2025 12:56 |         | AR\AJ    | Ok     |
| 12  | PCHLORICC500  | PCHLORICC500  | PD090657.D     | 17 Oct 2025 13:09 |         | AR\AJ    | Ok     |
| 13  | PCHLORICC250  | PCHLORICC250  | PD090658.D     | 17 Oct 2025 13:23 |         | AR\AJ    | Ok     |
| 14  | PCHLORICC050  | PCHLORICC050  | PD090659.D     | 17 Oct 2025 13:36 |         | AR\AJ    | Ok,M   |
| 15  | PTOXICC1000   | PTOXICC1000   | PD090660.D     | 17 Oct 2025 13:50 |         | AR\AJ    | Ok     |
| 16  | PTOXICC750    | PTOXICC750    | PD090661.D     | 17 Oct 2025 14:03 |         | AR\AJ    | Ok     |
| 17  | PTOXICC500    | PTOXICC500    | PD090662.D     | 17 Oct 2025 14:17 |         | AR\AJ    | Ok     |
| 18  | PTOXICC250    | PTOXICC250    | PD090663.D     | 17 Oct 2025 14:30 |         | AR\AJ    | Ok     |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/19/2025 5:21:31 PM              |
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |              |                     |            |                   |  |       |      |
|----|--------------|---------------------|------------|-------------------|--|-------|------|
| 19 | PTOXICC100   | PTOXICC100          | PD090664.D | 17 Oct 2025 16:18 |  | AR\AJ | Ok   |
| 20 | PSTDICV050   | ICVPD101725         | PD090665.D | 17 Oct 2025 16:46 |  | AR\AJ | Ok   |
| 21 | PCHLORICV500 | ICVPD101725CHLOR    | PD090666.D | 17 Oct 2025 17:50 |  | AR\AJ | Ok   |
| 22 | PTOXICV500   | ICVPD101725TOX      | PD090667.D | 17 Oct 2025 18:42 |  | AR\AJ | Ok,M |
| 23 | I.BLK        | I.BLK               | PD090668.D | 17 Oct 2025 19:50 |  | AR\AJ | Ok   |
| 24 | PEM          | PEM                 | PD090669.D | 17 Oct 2025 20:04 |  | AR\AJ | Ok,M |
| 25 | PSTDCCC050   | PSTDCCC050          | PD090670.D | 17 Oct 2025 20:18 |  | AR\AJ | Ok   |
| 26 | PB170142BL   | PB170142BL          | PD090671.D | 17 Oct 2025 20:31 |  | AR\AJ | Ok   |
| 27 | PB170142BS   | PB170142BS          | PD090672.D | 17 Oct 2025 20:45 |  | AR\AJ | Ok   |
| 28 | Q3366-01     | TR-06-101625        | PD090673.D | 17 Oct 2025 20:59 |  | AR\AJ | Ok,M |
| 29 | Q3366-03     | TR-1-101625         | PD090674.D | 17 Oct 2025 21:12 |  | AR\AJ | Ok,M |
| 30 | Q3367-01     | BU-03-101625        | PD090675.D | 17 Oct 2025 21:26 |  | AR\AJ | Ok,M |
| 31 | Q3369-01     | MH-22               | PD090676.D | 17 Oct 2025 21:40 |  | AR\AJ | Ok,M |
| 32 | Q3369-05     | MH-21               | PD090677.D | 17 Oct 2025 21:53 |  | AR\AJ | Ok,M |
| 33 | Q3363-01     | PR132-SO1-085011-20 | PD090678.D | 17 Oct 2025 22:48 |  | AR\AJ | Ok,M |
| 34 | Q3363-02     | PR132-SO1-039085-20 | PD090679.D | 17 Oct 2025 23:02 |  | AR\AJ | Ok,M |
| 35 | Q3363-03     | PR132-SO3-028010-20 | PD090680.D | 17 Oct 2025 23:15 |  | AR\AJ | Ok,M |
| 36 | Q3363-04     | PR132-SO3-010013-20 | PD090681.D | 17 Oct 2025 23:29 |  | AR\AJ | Ok,M |
| 37 | Q3363-04MS   | PR132-SO3-010013-20 | PD090682.D | 17 Oct 2025 23:43 |  | AR\AJ | Ok,M |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD101725**

| Review By                | Abdul                                                                                                                                   | Review On         | 10/19/2025 5:21:31 PM              |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By             | mohammad                                                                                                                                | Supervise On      | 10/24/2025 1:04:58 AM              |
| SubDirectory             | PD101725                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| STD. NAME                | STD REF.#                                                                                                                               |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |             |                     |            |                   |  |       |      |
|----|-------------|---------------------|------------|-------------------|--|-------|------|
| 38 | Q3363-04MSD | PR132-SO3-010013-20 | PD090683.D | 17 Oct 2025 23:56 |  | AR\AJ | Ok,M |
| 39 | Q3363-05    | COMP01-20251015     | PD090684.D | 18 Oct 2025 00:10 |  | AR\AJ | Ok,M |
| 40 | Q3343-04MS  | SOIL-ROLLOFF-WC-11  | PD090685.D | 18 Oct 2025 00:24 |  | AR\AJ | Ok,M |
| 41 | Q3343-04MSD | SOIL-ROLLOFF-WC-11  | PD090686.D | 18 Oct 2025 00:37 |  | AR\AJ | Ok   |
| 42 | I.BLK       | I.BLK               | PD090687.D | 18 Oct 2025 00:51 |  | AR\AJ | Ok   |
| 43 | PSTDCCC050  | PSTDCCC050          | PD090688.D | 18 Oct 2025 02:13 |  | AR\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102825**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 10/29/2025 8:15:04 AM              |
| Supervise By | Sohil    | Supervise On      | 10/29/2025 4:13:32 PM              |
| SubDirectory | PD102825 | HP Acquire Method | HP Processing Method pd101725 8081 |

| STD. NAME                | STD REF.#                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24942,PP24651                                                                                                                        |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764 |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                |
| Internal Standard/PEM    |                                                                                                                                        |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                |
| Surrogate Standard       |                                                                                                                                        |
| MS/MSD Standard          |                                                                                                                                        |
| LCS Standard             |                                                                                                                                        |

| Sr# | SampleId    | ClientID            | Data File Name | Date-Time         | Comment                                              | Operator | Status |
|-----|-------------|---------------------|----------------|-------------------|------------------------------------------------------|----------|--------|
| 1   | HEXANE      | HEXANE              | PD090866.D     | 28 Oct 2025 09:28 |                                                      | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK               | PD090867.D     | 28 Oct 2025 09:42 |                                                      | AR\AJ    | Ok     |
| 3   | PEM         | PEM                 | PD090868.D     | 28 Oct 2025 09:55 |                                                      | AR\AJ    | Ok,M   |
| 4   | PSTDCCC050  | PSTDCCC050          | PD090869.D     | 28 Oct 2025 10:46 |                                                      | AR\AJ    | Ok     |
| 5   | PB170270BL  | PB170270BL          | PD090870.D     | 28 Oct 2025 10:59 | TCMX high in both column ,<br>DCB high in 2nd column | AR\AJ    | Not Ok |
| 6   | PB170270BS  | PB170270BS          | PD090871.D     | 28 Oct 2025 11:13 | RECOVERY FAIL.                                       | AR\AJ    | Not Ok |
| 7   | PB170239TB  | PB170239TB          | PD090872.D     | 28 Oct 2025 11:27 | DCB and TCMX high in 2nd<br>column                   | AR\AJ    | Not Ok |
| 8   | Q3447-02    | P001-TW1-251023-01  | PD090873.D     | 28 Oct 2025 11:40 |                                                      | AR\AJ    | Ok     |
| 9   | Q3447-02MS  | P001-TW1-251023-01M | PD090874.D     | 28 Oct 2025 11:54 |                                                      | AR\AJ    | Ok,M   |
| 10  | Q3447-02MSD | P001-TW1-251023-01M | PD090875.D     | 28 Oct 2025 12:08 |                                                      | AR\AJ    | Ok,M   |
| 11  | Q3447-04    | P001-TW2-251023-01  | PD090876.D     | 28 Oct 2025 12:21 |                                                      | AR\AJ    | Ok,M   |
| 12  | Q3447-06    | P001-TW3-251023-01  | PD090877.D     | 28 Oct 2025 12:35 |                                                      | AR\AJ    | Ok     |
| 13  | Q3447-08    | P001-TW4-251023-01  | PD090878.D     | 28 Oct 2025 12:48 |                                                      | AR\AJ    | Ok,M   |
| 14  | I.BLK       | I.BLK               | PD090879.D     | 28 Oct 2025 13:16 |                                                      | AR\AJ    | Ok     |
| 15  | PSTDCCC050  | PSTDCCC050          | PD090880.D     | 28 Oct 2025 13:50 |                                                      | AR\AJ    | Ok,M   |
| 16  | PB170283BL  | PB170283BL          | PD090881.D     | 28 Oct 2025 14:35 |                                                      | AR\AJ    | Ok     |
| 17  | PB170283BS  | PB170283BS          | PD090882.D     | 28 Oct 2025 15:21 | RECOVERY FAIL.                                       | AR\AJ    | Not Ok |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102825**

|                          |                                                                                                                                         |                   |                                    |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                | Abdul                                                                                                                                   | Review On         | 10/29/2025 8:15:04 AM              |
| Supervise By             | Sohil                                                                                                                                   | Supervise On      | 10/29/2025 4:13:32 PM              |
| SubDirectory             | PD102825                                                                                                                                | HP Acquire Method | HP Processing Method pd101725 8081 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                        |                   |                                    |
| Tune/Reschk              | PP24942,PP24651                                                                                                                         |                   |                                    |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764 |                   |                                    |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                 |                   |                                    |
| Internal Standard/PEM    |                                                                                                                                         |                   |                                    |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                 |                   |                                    |
| Surrogate Standard       |                                                                                                                                         |                   |                                    |
| MS/MSD Standard          |                                                                                                                                         |                   |                                    |
| LCS Standard             |                                                                                                                                         |                   |                                    |

|    |             |                      |            |                   |  |       |      |
|----|-------------|----------------------|------------|-------------------|--|-------|------|
| 18 | PB170239TB  | PB170239TB           | PD090883.D | 28 Oct 2025 15:42 |  | AR\AJ | Ok   |
| 19 | PB170270BS  | PB170270BS           | PD090884.D | 28 Oct 2025 15:55 |  | AR\AJ | Ok   |
| 20 | PB170283BS  | PB170283BS           | PD090885.D | 28 Oct 2025 16:16 |  | AR\AJ | Ok,M |
| 21 | Q3465-01    | SU-03-10242025       | PD090886.D | 28 Oct 2025 16:30 |  | AR\AJ | Ok   |
| 22 | PB170287BL  | PB170287BL           | PD090887.D | 28 Oct 2025 16:43 |  | AR\AJ | Ok   |
| 23 | PB170287BS  | PB170287BS           | PD090888.D | 28 Oct 2025 16:57 |  | AR\AJ | Ok   |
| 24 | PB170287BSD | PB170287BSD          | PD090889.D | 28 Oct 2025 17:11 |  | AR\AJ | Ok   |
| 25 | Q3434-02    | PR132-WC2-20251022   | PD090890.D | 28 Oct 2025 17:24 |  | AR\AJ | Ok,M |
| 26 | I.BLK       | I.BLK                | PD090891.D | 28 Oct 2025 17:38 |  | AR\AJ | Ok   |
| 27 | PSTDCCC050  | PSTDCCC050           | PD090892.D | 28 Oct 2025 17:52 |  | AR\AJ | Ok   |
| 28 | Q3466-02    | B8-0.0-1.0-20251023  | PD090893.D | 28 Oct 2025 18:46 |  | AR\AJ | Ok,M |
| 29 | Q3466-02MS  | B8-0.0-1.0-20251023M | PD090894.D | 28 Oct 2025 19:00 |  | AR\AJ | Ok,M |
| 30 | Q3466-02MSD | B8-0.0-1.0-20251023M | PD090895.D | 28 Oct 2025 19:14 |  | AR\AJ | Ok,M |
| 31 | Q3466-05    | B9-0.0-1.0-20251023  | PD090896.D | 28 Oct 2025 19:27 |  | AR\AJ | Ok,M |
| 32 | Q3466-07    | B7-1.0-2.0-20251023  | PD090897.D | 28 Oct 2025 19:41 |  | AR\AJ | Ok   |
| 33 | Q3469-01    | TP-13                | PD090898.D | 28 Oct 2025 19:55 |  | AR\AJ | Ok,M |
| 34 | Q3472-16    | 142                  | PD090899.D | 28 Oct 2025 20:08 |  | AR\AJ | Ok,M |
| 35 | I.BLK       | I.BLK                | PD090900.D | 28 Oct 2025 20:22 |  | AR\AJ | Ok   |
| 36 | PEM         | PEM                  | PD090901.D | 28 Oct 2025 20:36 |  | AR\AJ | Ok   |

Instrument ID: ECD\_D

**Daily Analysis Runlog For Sequence/QC Batch ID # PD102825**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 10/29/2025 8:15:04 AM              |
| Supervise By | Sohil    | Supervise On      | 10/29/2025 4:13:32 PM              |
| SubDirectory | PD102825 | HP Acquire Method | HP Processing Method pd101725 8081 |

| STD. NAME                | STD REF.#                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              | PP24942,PP24651                                                                                                                             |
| Initial Calibration Stds | PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P<br>P24763,PP24764 |
| CCC                      | PP24751,PP24756,PP24761                                                                                                                     |
| Internal Standard/PEM    |                                                                                                                                             |
| ICV/I.BLK                | PP24754,PP24759,PP24761                                                                                                                     |
| Surrogate Standard       |                                                                                                                                             |
| MS/MSD Standard          |                                                                                                                                             |
| LCS Standard             |                                                                                                                                             |

|    |            |            |            |                   |  |       |    |
|----|------------|------------|------------|-------------------|--|-------|----|
| 37 | PSTDCCC050 | PSTDCCC050 | PD090902.D | 28 Oct 2025 21:58 |  | ARIAJ | Ok |
|----|------------|------------|------------|-------------------|--|-------|----|

M : Manual Integration

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/28/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:40  
In Date: 10/27/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:27  
Out Date: 10/28/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137661

| Lab ID   | Client SampleID     | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|----------|---------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|----------|
| Q3459-01 | Y2404-0071-END-1-1  | 1      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-02 | Y2404-0071-END-1-2  | 2      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-03 | Y2404-0071-END-2-1  | 3      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-04 | Y2404-0071-END-2-2  | 4      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-05 | BC259240LOK-END-1-1 | 5      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-06 | BC259240LOK-END-1-2 | 6      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-07 | BC271327-END-1-1    | 7      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-08 | BC271327-END-1-2    | 8      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-09 | BC271327-END-2-1    | 9      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-10 | BC271327-END-2-2    | 10     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-11 | BC283118LOK-END-1-1 | 11     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-12 | BC283118LOK-END-1-2 | 12     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-13 | BC283118LOK-END-2-1 | 13     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-14 | BC283118LOK-END-2-2 | 14     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-15 | BC283118LOK-END-3-1 | 15     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-16 | BC283118LOK-END-3-2 | 16     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-17 | BC283118LOK-END-4-1 | 17     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-18 | BC283118LOK-END-4-2 | 18     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3461-01 | SS-9R(4.5-5.0)      | 19     | 1.18           | 10.38        | 11.56                   | 10.34                     | 88.2    |          |
| Q3461-02 | SS-9R(5.0-5.5)      | 20     | 1.19           | 10.46        | 11.65                   | 10.07                     | 84.9    |          |
| Q3461-03 | SS-25(4.5-5.0)      | 21     | 1.19           | 10.39        | 11.58                   | 9.76                      | 82.5    |          |
| Q3461-04 | SS-25(5.0-5.5)      | 22     | 1.12           | 11.10        | 12.22                   | 10.89                     | 88.0    |          |
| Q3465-01 | SU-03-10242025      | 23     | 1.16           | 10.29        | 11.45                   | 10.74                     | 93.1    |          |
| Q3465-02 | SU-03-10242025-E2   | 24     | 1.18           | 10.49        | 11.67                   | 10.23                     | 86.3    |          |
| Q3466-01 | B8-0.5-1.0-20251023 | 25     | 1.17           | 10.34        | 11.51                   | 9.6                       | 81.5    |          |
| Q3466-02 | B8-0.0-1.0-20251023 | 26     | 1.16           | 10.36        | 11.52                   | 10.00                     | 85.3    |          |
| Q3466-04 | B9-0.5-1.0-20251023 | 27     | 1.17           | 10.38        | 11.55                   | 9.85                      | 83.6    |          |
| Q3466-05 | B9-0.0-1.0-20251023 | 28     | 1.18           | 10.42        | 11.6                    | 9.85                      | 83.2    |          |



# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/28/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:40  
In Date: 10/27/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:27  
Out Date: 10/28/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137661

| Lab ID   | Client SampleID     | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments    |
|----------|---------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|-------------|
| Q3466-06 | B7-1.5-2.0-20251023 | 29     | 1.14           | 10.35        | 11.49                   | 10.57                     | 91.1    |             |
| Q3466-07 | B7-1.0-2.0-20251023 | 30     | 1.16           | 10.65        | 11.81                   | 10.66                     | 89.2    |             |
| Q3469-01 | TP-13               | 31     | 1.18           | 10.10        | 11.28                   | 10.38                     | 91.1    |             |
| Q3469-02 | TP-13-EPH           | 32     | 1.12           | 11.10        | 12.22                   | 10.21                     | 81.9    |             |
| Q3469-03 | TP-13-VOC           | 33     | 1.11           | 10.41        | 11.52                   | 10.52                     | 90.4    |             |
| Q3470-01 | PILC-1              | 34     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3470-02 | PILC-2              | 35     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3472-04 | COMP-1              | 36     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-06 | COMP-2              | 37     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-08 | COMP-3              | 38     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-10 | COMP-4              | 39     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-12 | COMP-5              | 40     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-14 | 155                 | 41     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | debris      |
| Q3472-16 | 142                 | 42     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample  |
| Q3472-18 | 137                 | 43     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample  |
| Q3474-01 | WASTE               | 44     | 1.18           | 10.39        | 11.57                   | 10.24                     | 87.2    |             |
| Q3474-02 | VOC                 | 45     | 1.11           | 10.43        | 11.54                   | 10.14                     | 86.6    |             |
| Q3474-03 | 1                   | 46     | 1.18           | 10.32        | 11.5                    | 9.87                      | 84.2    |             |
| Q3474-04 | 2                   | 47     | 1.19           | 10.47        | 11.66                   | 9.97                      | 83.9    |             |
| Q3474-05 | 3                   | 48     | 1.16           | 10.56        | 11.72                   | 10.32                     | 86.7    |             |
| Q3474-06 | 4                   | 49     | 1.18           | 10.27        | 11.45                   | 10.1                      | 86.9    |             |
| Q3474-07 | 5                   | 50     | 1.16           | 10.61        | 11.77                   | 10.27                     | 85.9    |             |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

10/27/25

WorkList Name : %1-102725      WorkList ID : 192686      Department : Wet-Chemistry      Date : 10-27-2025 08:17:32

| Sample   | Customer Sample     | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|---------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3459-01 | Y2404-0071-END-1-1  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-02 | Y2404-0071-END-1-2  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-03 | Y2404-0071-END-2-1  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-04 | Y2404-0071-END-2-2  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-05 | BC259240LOK-END-1-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-06 | BC259240LOK-END-1-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-07 | BC271327-END-1-1    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-08 | BC271327-END-1-2    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-09 | BC271327-END-2-1    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-10 | BC271327-END-2-2    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-11 | BC283118LOK-END-1-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-12 | BC283118LOK-END-1-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-13 | BC283118LOK-END-2-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-14 | BC283118LOK-END-2-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-15 | BC283118LOK-END-3-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-16 | BC283118LOK-END-3-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-17 | BC283118LOK-END-4-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-18 | BC283118LOK-END-4-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3461-01 | SS-9R(4.5-5.0)      | Solid  | Percent Solids | Cool 4 deg C | MATR02   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3461-02 | SS-9R(5.0-5.5)      | Solid  | Percent Solids | Cool 4 deg C | MATR02   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3461-03 | SS-25(4.5-5.0)      | Solid  | Percent Solids | Cool 4 deg C | MATR02   | D41                         | 10/24/2025   | Chemtech -SO |

Date/Time 10/27/25 17:45  
 Raw Sample Received by: JH WOC  
 Raw Sample Relinquished by: JH WOC

# WORKLIST(Hardcopy Internal Chain)

137661

WorkList Name : %1-102725

WorkList ID : 192686

Department : Wet-Chemistry

Date : 10-27-2025 08:17:32

| Sample   | Customer Sample     | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|---------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3461-04 | SS-25(5.0-5.5)      | Solid  | Percent Solids | Cool 4 deg C | MATR02   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3465-01 | SU-03-10242025      | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D31                         | 10/24/2025   | Chemtech -SO |
| Q3465-02 | SU-03-10242025-E2   | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D31                         | 10/24/2025   | Chemtech -SO |
| Q3466-01 | B8-0.5-1.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-02 | B8-0.0-1.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-04 | B9-0.5-1.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-05 | B9-0.0-1.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-06 | B7-1.5-2.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-07 | B7-1.0-2.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3469-01 | TP-13               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/25/2025   | Chemtech -SO |
| Q3469-02 | TP-13-EPH           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/25/2025   | Chemtech -SO |
| Q3469-03 | TP-13-VOC           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/25/2025   | Chemtech -SO |
| Q3470-01 | PILC-1              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3470-02 | PILC-2              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-04 | COMP-1              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-06 | COMP-2              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-08 | COMP-3              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-10 | COMP-4              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-12 | COMP-5              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-14 | 155                 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-16 | 142                 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |

Date/Time 10/27/25 15:30  
 Raw Sample Received by: 88 WOC  
 Raw Sample Relinquished by: CFS

Date/Time 10/27/25 17:45  
 Raw Sample Received by: CFS  
 Raw Sample Relinquished by: 88 WOC

# WORKLIST(Hardcopy Internal Chain)

VB 137661

WorkList Name : %1-102725

WorkList ID : 192686

Department : Wet-Chemistry

Date : 10-27-2025 08:17:32

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3472-18 | 137             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3474-01 | WASTE           | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-02 | VOC             | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-03 | 1               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-04 | 2               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-05 | 3               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-06 | 4               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-07 | 5               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |

Date/Time 10/27/25 13:30

Raw Sample Received by: gg wec

Raw Sample Relinquished by: gg wec

Date/Time 10/27/25 17:45

Raw Sample Received by: gg wec

Raw Sample Relinquished by: gg wec

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix: Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 10/28/2025

Extraction Start Time: 08:36

Extraction End Date: 10/28/2025

Extraction End Time: 11:45

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

| Standardized Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------|----------|---------------------|---------------------|
| Spike Sol 1       | 1.0ML    | 500 PPB             | PP24766             |
| Surrogate         | 1.0ML    | 200 PPB             | PP24663             |
| N/A               | N/A      | N/A                 | N/A                 |
| N/A               | N/A      | N/A                 | N/A                 |
| N/A               | N/A      | N/A                 | N/A                 |

| Chemical Used              | ML/SAMPLE USED | Lot Number |
|----------------------------|----------------|------------|
| Hexane/Acetone/1:1         | N/A            | EP2643     |
| Baked Na2SO4               | N/A            | EP2655     |
| Sand                       | N/A            | E3951      |
| Hexane                     | N/A            | E3978      |
| Florisil                   | N/A            | E3976      |
| 9:1 Hexane:Acetone Mixture | N/A            | EP2644     |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |
| N/A                        | N/A            | N/A        |

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721. Q3472-16 used Limited volume as sample is oil.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

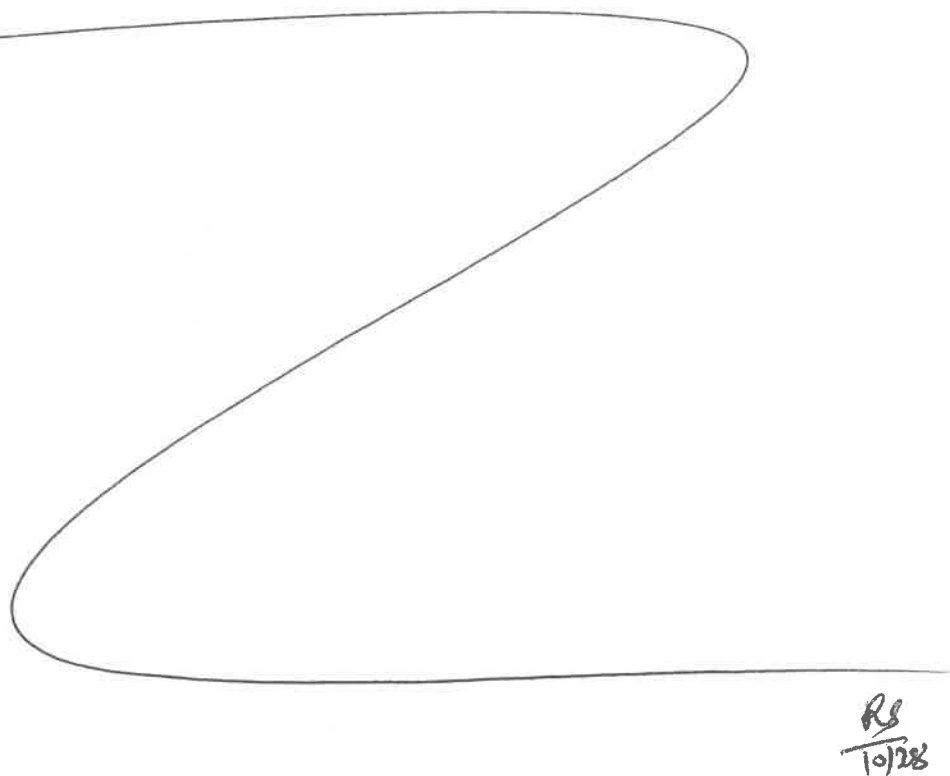
Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 10/28/25    | RSCEX-lab                               | R. Pest. / PCB Lab   |
| 11:50       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-15

 Concentration Date: 10/28/2025

| Sample ID       | Client Sample ID           | Test          | g/mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|----------------------------|---------------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                            |               |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB170283BL      | PBLK283                    | Pesticide-TCL | 30.02 | N/A | ritesh         | Evelyn     | 10                 |       |          | U6-1        |
| PB170283BS      | PLCS283                    | Pesticide-TCL | 30.01 | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q3465-01        | SU-03-10242025             | Pesticide-TCL | 30.04 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |
| Q3466-02        | B8-0.0-1.0-20251023        | Pesticide-TCL | 30.06 | N/A | ritesh         | Evelyn     | 10                 | B     |          | 4           |
| Q3466-02MS      | B8-0.0-1.0-20251023MS      | Pesticide-TCL | 30.02 | N/A | ritesh         | Evelyn     | 10                 | B     |          | 5           |
| Q3466-02MS<br>D | B8-0.0-1.0-20251023MS<br>D | Pesticide-TCL | 30.07 | N/A | ritesh         | Evelyn     | 10                 | B     |          | 6           |
| Q3466-05        | B9-0.0-1.0-20251023        | Pesticide-TCL | 30.01 | N/A | ritesh         | Evelyn     | 10                 | A     |          | U1-1        |
| Q3466-07        | B7-1.0-2.0-20251023        | Pesticide-TCL | 30.05 | N/A | ritesh         | Evelyn     | 10                 | B     |          | 2           |
| Q3469-01        | TP-13                      | Pesticide-TCL | 30.03 | N/A | ritesh         | Evelyn     | 10                 | B     |          | 3           |
| Q3472-16        | 142                        | Pesticide-TCL | 1.04  | N/A | ritesh         | Evelyn     | 10                 | B     | Oil      |             |



Rs  
10/28

95-8  
92041

**Date:** 10-28-2025 08:31:11

Date/Time 10/28/25 8:31  
Raw Sample Received by: R3 C1-A-1 (celb)  
Raw Sample Relinquished by: CP 8

RJCL-A-1261

## Prep Standard - Chemical Standard Summary

**Order ID :** Q3466  
**Test :** Pesticide-TCL  
  
**Prepbatch ID :** PB170283,  
**Sequence ID/Qc Batch ID:** pd102825,

**Standard ID :**

EP2643,EP2655,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

**Chemical ID :**

E3875,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3976,E3978,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,P9053,

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 230              | 1:1ACETONE/HEXANE | <a href="#">EP2643</a> | 09/16/2025       | 03/16/2026             | Evelyn Huang       | None           | None             | Riteshkumar Patel    |
| 09/16/2025       |                   |                        |                  |                        |                    |                |                  |                      |

**FROM** 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

| <u>Recipe ID</u> | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u>                      | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|-------------------------------------|------------------|----------------------|
| 3923             | Baked Sodium Sulfate | <a href="#">EP2655</a> | 10/24/2025       | 01/28/2026             | RUPESEKUMAR SHAH   | Extraction_SC<br>ALE_2<br>(EX-SC-2) | None             | Riteshkumar Patel    |
| 10/24/2025       |                      |                        |                  |                        |                    |                                     |                  |                      |

**FROM** 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                             | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 4027             | Pesticide resolution Check Mixture 8081 | <a href="#">PP24651</a> | 06/16/2025       | 12/11/2025             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                         |                         |                  |                        |                    |                |                  | 07/22/2025           |

**FROM** 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465              | 200 PPB Pest/PCB Surrogate Spike | <a href="#">PP24663</a> | 06/24/2025       | 12/24/2025             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 07/21/2025           |

**FROM** 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                   | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3629             | 20 PPM PEST stock Solution 1st source(RESTEK) | <a href="#">PP24738</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                               |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1472             | 20 PPM Pest Stock Solution 2nd Source | <a href="#">PP24739</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                       |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13041 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1273             | 20 PPM Mirex Stock (Primary Source) | <a href="#">PP24740</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                     |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                               | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3663             | 20 PPM MIREX Stock STD (Secondary source) | <a href="#">PP24741</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                           |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13196 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 84               | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP24742</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3630             | 100/100 PPB PEST Working std.1st Source(RESTEK) | <a href="#">PP24744</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 80               | 100/100 PPB Pesticide Working Solution 2nd Source | <a href="#">PP24745</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                         | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 386              | 1000/100 PPB Chlordane STD (Restek) | <a href="#">PP24746</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                     |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3746             | 1000/100 ppb Chlordane<br>STD-RESTEK 2ND SOURCE | <a href="#">PP24747</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 383              | 1000/100 PPB Toxaphene STD<br>(Restek) | <a href="#">PP24748</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                        |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3669             | 1000/100 PPB TOXAPHENE STD<br>2nd source (RESTEK) | <a href="#">PP24749</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3631             | 75 PPB ICAL PEST<br>STD(RESTEK) | <a href="#">PP24750</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3632             | 50 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24751</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                              |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                  | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3633             | 25 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24752</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                              |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3634             | 5 PPB ICAL PEST STD(RESTEK) | <a href="#">PP24753</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24751 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3988             | 50 PPB PEST ICV STD(RESTEK) | <a href="#">PP24754</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 528              | CHLOR 750 PPB STD | <a href="#">PP24755</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 529              | CHLOR 500 PPB STD | <a href="#">PP24756</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 530              | CHLOR 250 PPB STD | <a href="#">PP24757</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3408             | CHLOR 50 PPB STD | <a href="#">PP24758</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                  |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24756 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>           | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 532              | CHLOR 500 PPB ICV STD | <a href="#">PP24759</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                       |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 533              | TOX 750 PPB STD | <a href="#">PP24760</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.25000ml of E3956 + 0.75000ml of PP24748 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 534              | TOX 500 PPB STD | <a href="#">PP24761</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 535              | TOX 250 PPB STD | <a href="#">PP24762</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 2217             | TOX 100 PPB STD | <a href="#">PP24763</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                 |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.90000ml of E3956 + 0.10000ml of PP24748 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                   | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3670             | TOX 500 PPB ICV std ( RESTEK) | <a href="#">PP24764</a> | 07/21/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                               |                         |                  |                        |                    |                |                  | 07/24/2025           |

**FROM** 0.50000ml of PP24749 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 79               | 500 PPB Pesticide Spike Solution | <a href="#">PP24766</a> | 07/28/2025       | 01/21/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 08/19/2025           |

**FROM** 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>    | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 758              | PEM Mix w/Surr | <a href="#">PP24942</a> | 09/24/2025       | 03/24/2026             | Abdul Mirza        | None           | None             | Yogesh Patel         |
|                  |                |                         |                  |                        |                    |                |                  | 10/10/2025           |

**FROM** 1.00000ml of P13780 + 99.00000ml of E3971 = Final Quantity: 100.000 ml

## CHEMICAL RECEIPT LOG BOOK

| Supplier                    | ItemCode / ItemName                                    | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|--------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 417203 | 01/28/2026      | 07/28/2025 / RUPESH     | 01/29/2025 / Rajesh         | E3875          |

| Supplier         | ItemCode / ItemName                       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 243570 | 12/11/2025      | 06/11/2025 / Rajesh     | 06/04/2025 / Rajesh         | E3941          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 05/24/2027      | 06/20/2025 / RUPESH     | 05/14/2025 / RUPESH         | E3944          |

| Supplier         | ItemCode / ItemName                      | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 25A2756718 | 12/31/2028      | 07/09/2025 / RUPESH     | 04/28/2020 / RUPESH         | E3951          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 04/18/2027      | 07/16/2025 / RUPESH     | 07/16/2025 / RUPESH         | E3955          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026      | 07/16/2025 / RUPESH     | 07/16/2025 / RUPESH         | E3956          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026      | 09/15/2025 / Evelyn     | 09/04/2025 / Riteshkumar    | E3971          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 05/24/2027      | 09/16/2025 / Evelyn     | 09/04/2025 / Riteshkumar    | E3972          |

| Supplier                | ItemCode / ItemName                  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------------|--------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Agela Technologies Inc. | FS0006 / Cleanert Florisil cartridge | M07456 | 04/03/2026      | 10/03/2025 / Evelyn     | 10/03/2025 / Evelyn         | E3976          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362006 | 04/13/2026      | 10/13/2025 / RUPESH     | 10/08/2025 / Riteshkumar    | E3978          |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0197993 | 01/21/2026      | 07/21/2025 / Abdul      | 07/03/2023 / Abdul          | P12604         |

| Supplier | ItemCode / ItemName    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32021 / Chlordane Std. | A0197993 | 01/21/2026      | 07/21/2025 / Abdul      | 07/03/2023 / Abdul          | P12610         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0200423 | 01/21/2026      | 07/21/2025 / Abdul      | 12/26/2023 / Abdul          | P13038         |

| Supplier | ItemCode / ItemName                                                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul | A0199099 | 07/21/2026      | 07/21/2025 / Abdul      | 12/26/2023 / Abdul          | P13041         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 042022 | 01/21/2026      | 07/21/2025 / Abdul      | 01/17/2024 / Abdul          | P13196         |

| Supplier                 | ItemCode / ItemName                             | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 19161 / 8081 pesticide resolution check mixture | 013124 | 12/17/2025      | 06/17/2025 / Abdul      | 02/09/2024 / Abdul          | P13246         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0203038 | 01/21/2026      | 07/21/2025 / Abdul      | 05/03/2024 / Ankita         | P13774         |

| Supplier | ItemCode / ItemName                                      | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32074 / Pesticide Performance Evaluation Mix w/Surrogate | A0213999 | 03/24/2026      | 09/24/2025 / Abdul      | 11/19/2024 / Ankita         | P13780         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0214495 | 12/24/2025      | 06/24/2025 / Abdul      | 11/19/2024 / Ankita         | P13786         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0214495 | 01/21/2026      | 07/21/2025 / Abdul      | 11/19/2024 / Ankita         | P13788         |

| Supplier | ItemCode / ItemName        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32005 / Toxaphene Standard | A0210240 | 01/21/2026      | 07/21/2025 / Abdul      | 12/09/2024 / Abdul          | P13862         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 79136 / Mirex, 1000 ug/ml | 112018 | 01/21/2026      | 07/21/2025 / Abdul      | 11/01/2019 / Stephen        | P9053          |



**PRODUCTOS  
QUÍMICOS  
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR  
MONTERREY, N.L. MÉXICO  
CP 64070  
TEL +52 81 13 52 67 67  
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

|                       |                                   |               |                                 |
|-----------------------|-----------------------------------|---------------|---------------------------------|
| PRODUCT :             | SODIUM SULFATE CRYSTALS ANHYDROUS |               |                                 |
| QUALITY :             | ACS (CODE RMB3375)                | FORMULA :     | Na <sub>2</sub> SO <sub>4</sub> |
| SPECIFICATION NUMBER: | 6399                              | RELEASE DATE: | MAY/23/2024                     |
| LOT NUMBER :          | 417203                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | Min. 99.0%     | 99.8 %      |
| pH of a 5% solution at 25°C              | 5.2 - 9.2      | 6.2         |
| Insoluble matter                         | Max. 0.01%     | 0.001 %     |
| Loss on ignition                         | Max. 0.5%      | 0.1 %       |
| Chloride (Cl)                            | Max. 0.001%    | <0.001 %    |
| Nitrogen compounds (as N)                | Max. 5 ppm     | <5 ppm      |
| Phosphate (PO <sub>4</sub> )             | Max. 0.001%    | <0.001 %    |
| Heavy metals (as Pb)                     | Max. 5 ppm     | <5 ppm      |
| Iron (Fe)                                | Max. 0.001%    | <0.001 %    |
| Calcium (Ca)                             | Max. 0.01%     | 0.001 %     |
| Magnesium (Mg)                           | Max. 0.005%    | 0.001 %     |
| Potassium (K)                            | Max. 0.008%    | 0.001 %     |
| Extraction-concentration suitability     | Passes test    | Passes test |
| Appearance                               | Passes test    | Passes test |
| Identification                           | Passes test    | Passes test |
| Solubility and foreign matter            | Passes test    | Passes test |
| Retained on US Standard No. 10 sieve     | Max. 1%        | 0.2 %       |
| Retained on US Standard No. 60 sieve     | Min. 94%       | 96.2 %      |
| Through US Standard No. 60 sieve         | Max. 5%        | 3.5 %       |
| Through US Standard No. 100 sieve        | Max. 10%       | 0.1 %       |

## COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

## Certificate of Analysis

1 Reagent Lane  
 Fair Lawn, NJ 07410  
 201.796.7100 tel  
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

|                   |                                                                                                                                                                                                   |                             |            |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|
| Catalog Number    | H303                                                                                                                                                                                              | Quality Test / Release Date | 11/07/2024 |
| Lot Number        | 243570                                                                                                                                                                                            |                             |            |
| Description       | HEXANES - OPTIMA                                                                                                                                                                                  |                             |            |
| Country of Origin | United States                                                                                                                                                                                     | Suggested Retest Date       | Nov/2029   |
| Chemical Origin   | Organic - non animal                                                                                                                                                                              |                             |            |
| BSE/TSE Comment   | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. |                             |            |

| N/A                         |            |                                 |                         |
|-----------------------------|------------|---------------------------------|-------------------------|
| Result Name                 | Units      | Specifications                  | Test Value              |
| APPEARANCE                  |            | REPORT                          | Clear, colorless liquid |
| ASSAY (N-HEXANE)            | %          | >= 60                           | 69                      |
| ASSAY (SUM C6 HYDROCARBONS) | %          | >= 99.9                         | >99.9                   |
| COLOR                       | APHA       | <= 5                            | <5                      |
| DENSITY AT 25 DEGREES C     | GM/ML      | Inclusive Between 0.653 - 0.673 | 0.669                   |
| EVAPORATION RESIDUE         | ppm        | <= 1                            | <1                      |
| FLUORESCENCE BACKGROUND     | ppb        | <= 1                            | <1                      |
| IDENTIFICATION              | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| OPTICAL ABS AT 195 NM       | ABS. UNITS | <= 1                            | 0.74                    |
| OPTICAL ABS AT 210 NM       | ABS. UNITS | <= 0.25                         | 0.17                    |
| OPTICAL ABS AT 220 NM       | ABS. UNITS | <= 0.07                         | 0.05                    |
| OPTICAL ABS AT 254 NM       | ABS. UNITS | <= 0.005                        | 0.001                   |
| PESTICIDE RESIDUE ANALYSIS  | NG/L       | <= 10                           | <10                     |
| REFRACTIVE INDEX @ 25 DEG C |            | Inclusive Between 1.375 - 1.385 | 1.379                   |
| SUITABILITY FOR GC/MS       |            | = PASS TEST                     | PASS TEST               |
| SULFUR COMPOUNDS            | %          | <= 0.005                        | <0.005                  |
| THIOPHENE                   | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| WATER (H2O)                 | %          | <= 0.01                         | <0.01                   |
| WATER-SOLUBLE TITRABLE ACID | MEQ/G      | <= 0.0003                       | 0.0001                  |



Recd. by RI on 6/11/25

E3941

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.  
 If there are any questions with this certificate, please call at (800) 227-6701.  
 \*Based on suggested storage condition.

Acetone

BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (μeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.2 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



|                      |                                |
|----------------------|--------------------------------|
| Material             | BDH9274-2.5KG                  |
| Material Description | BDH SAND STDD OTTAWA W+I 2.5KG |
| Grade                | NOT APPLICABLE                 |
| Batch                | 25A2756718                     |
| Reassay Date         | 12/31/2028                     |
| CAS Number           | 14808-60-7                     |
| Molecular Formula    | SiO <sub>2</sub>               |
| Molecular Mass       | 60.09                          |
| Date of Manufacture  | 12/05/2024                     |
| Storage              | Room Temperature               |

| Characteristics               | Specifications  | Measured Values |
|-------------------------------|-----------------|-----------------|
| Appearance                    | Beige granules. | Beige granules. |
| Moisture                      | <= 0.1 %        | 0.1 %           |
| Particle Size 30-40 mesh      | >= 80 %         | 99 %            |
| CUSTOMER PART # BDH9274-2.5KG |                 |                 |

*Received on 1/12/25.*

**E3951**

Internal ID #: 793

| Signature                                                                                                                                                                                                                                                                                                   | Additional Information                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>We certify that this batch conforms to the specifications listed above.</p> <p>This document has been electronically produced and is valid without a signature.</p> <p>Leona Edwardson, Quality Control Sr. Manager - Solon<br/> VWR Chemicals, LLC.<br/> 28600 Fountain Parkway, Solon OH 44139 USA</p> | <p>Analysis may have been rounded to significant digits in specification limits</p> <p>Product meets analytical specifications of the grades listed.</p> |

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9254-03  
Batch No.: 24H2762008  
Manufactured Date: 2024-04-18  
Expiration Date: 2027-04-18  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

*Received on 7/16/25*

**E 3955**

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis

 **avantors™**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 5           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

*Received on 7/16/25*

**E3956**



Jamie Croak  
Director Quality Operations, Bioscience Production

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis



Material No.: 9262-03  
Batch No.: 25C0362005  
Manufactured Date: 2025-01-29  
Expiration Date: 2026-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                           | Specification  | Result      |
|--------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)           | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 5           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)    | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                               | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                   | $\leq 10$      | 10          |
| Residue after Evaporation                                                      | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                          | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                     | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

Jamie Croak  
Director Quality Operations, Bioscience Production

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.2 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Cleanert Florisil

1g/6ml 30/pkg

LOT#:M07456

MFG#:G02147

CAT#FS0006



固相萃取产品

Made in China

Agela Technologies

E 3976



n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis

 **avantors<sup>TM</sup>**



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification  | Result      |
|---------------------------------------------------------------------------------|----------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | $\leq 5$       | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | $\leq 10$      | 6           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 4           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | $\geq 99.5 \%$ | 100.0 %     |
| Assay (as n-Hexane) (by GC, corrected for water)                                | $\geq 95 \%$   | 100 %       |
| Color (APHA)                                                                    | $\leq 10$      | 10          |
| Residue after Evaporation                                                       | $\leq 1.0$ ppm | 0.2 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                      | $\leq 0.05 \%$ | $< 0.01 \%$ |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978



Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5  
↓  
P13043 1  
✓  
12-26-2023

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | alpha-BHC                     | 319-84-6   | 14434500   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 2             | gamma-BHC (Lindane)           | 58-89-9    | 14184400   | 98%    | 200.1 µg/mL                 | +/- 8.9762                             |
| 3             | beta-BHC                      | 319-85-7   | BCCC6425   | 99%    | 200.3 µg/mL                 | +/- 8.9844                             |
| 4             | delta-BHC                     | 319-86-8   | 14450800   | 98%    | 200.0 µg/mL                 | +/- 8.9740                             |
| 5             | Heptachlor                    | 76-44-8    | 813251     | 99%    | 200.1 µg/mL                 | +/- 8.9754                             |
| 6             | Aldrin                        | 309-00-2   | 14389400   | 98%    | 200.0 µg/mL                 | +/- 8.9718                             |
| 7             | Heptachlor epoxide (isomer B) | 1024-57-3  | 14448800   | 99%    | 200.1 µg/mL                 | +/- 8.9754                             |
| 8             | trans-Chlordane               | 5103-74-2  | 32943      | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 9             | cis-Chlordane                 | 5103-71-9  | 31766      | 98%    | 200.1 µg/mL                 | +/- 8.9762                             |
| 10            | Endosulfan I                  | 959-98-8   | BCCF4060   | 99%    | 200.1 µg/mL                 | +/- 8.9754                             |
| 11            | 4,4'-DDE                      | 72-55-9    | GHYQG      | 99%    | 200.1 µg/mL                 | +/- 8.9777                             |
| 12            | Dieldrin                      | 60-57-1    | 11129900   | 98%    | 200.0 µg/mL                 | +/- 8.9718                             |
| 13            | Endrin                        | 72-20-8    | 14123200   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 14            | 4,4'-DDD                      | 72-54-8    | HAN02      | 99%    | 200.1 µg/mL                 | +/- 8.9777                             |
| 15            | Endosulfan II                 | 33213-65-9 | 14374700   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 16            | 4,4'-DDT                      | 50-29-3    | 230410JLMA | 98%    | 200.0 µg/mL                 | +/- 8.9718                             |

|    |                    |            |            |     |             |            |
|----|--------------------|------------|------------|-----|-------------|------------|
| 17 | Endrin aldehyde    | 7421-93-4  | 30720      | 98% | 200.1 µg/mL | +/- 8.9784 |
| 18 | Endosulfan sulfate | 1031-07-8  | BCCH9010   | 99% | 200.0 µg/mL | +/- 8.9732 |
| 19 | Methoxychlor       | 72-43-5    | 13668200   | 99% | 200.1 µg/mL | +/- 8.9777 |
| 20 | Endrin ketone      | 53494-70-5 | 1-ABS-16-7 | 98% | 200.0 µg/mL | +/- 8.9740 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane/Toluene (50:50)  
**CAS #** 110-54-3/108-88-3  
**Purity** 99%

P13039  
 ↓  
 P13043  
 5  
 1  
 JAW  
 12/26/23

## Quality Confirmation Test

**Column:**  
 30m x .25mm x .2um  
 Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
 helium-constant pressure 20 psi.

**Temp. Program:**  
 150°C to 300°C  
 @ 4°C/min. ( hold 5 min.)

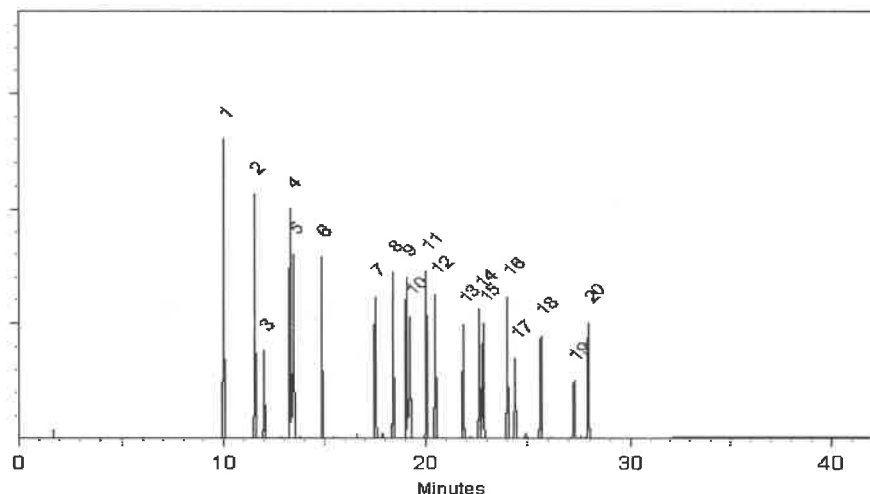
**Inj. Temp:**  
 200°C

**Det. Temp:**  
 300°C

**Det. Type:**  
 ECD

**Split Vent:**  
 Split ratio 50:1

**Inj. Vol**  
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Josh McCloskey*  
 Josh McCloskey - Operations Technician I

**Date Mixed:** 19-Jun-2023

**Balance Serial #** 1128360905

*Jennifer Pollino*  
 Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 23-Jun-2023

Manufactured under Restek's ISO 9001:2015  
 Registered Quality System  
 Certificate #FM 80397

**CERTIFIED WEIGHT REPORT**

|              |               |
|--------------|---------------|
| Part Number: | <u>79136</u>  |
| Lot Number:  | <u>042022</u> |
| Description: | <u>Milrex</u> |

|                    |             |
|--------------------|-------------|
| <b>Solvent(s):</b> | <b>Lot#</b> |
| Acetone            | 81025       |

|                                |                    |
|--------------------------------|--------------------|
| Expiration Date:               | 04/20/27           |
| Recommended Storage:           | Refrigerate (4 °C) |
| Nominal Concentration (µg/mL): | 1000               |
| NIST Test ID#:                 | 6UTB               |

|       |                     |
|-------|---------------------|
| 5E-05 | Balance Uncertainty |
| 0.006 | Flask Uncertainty   |

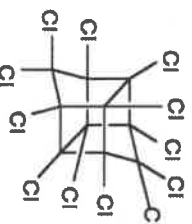
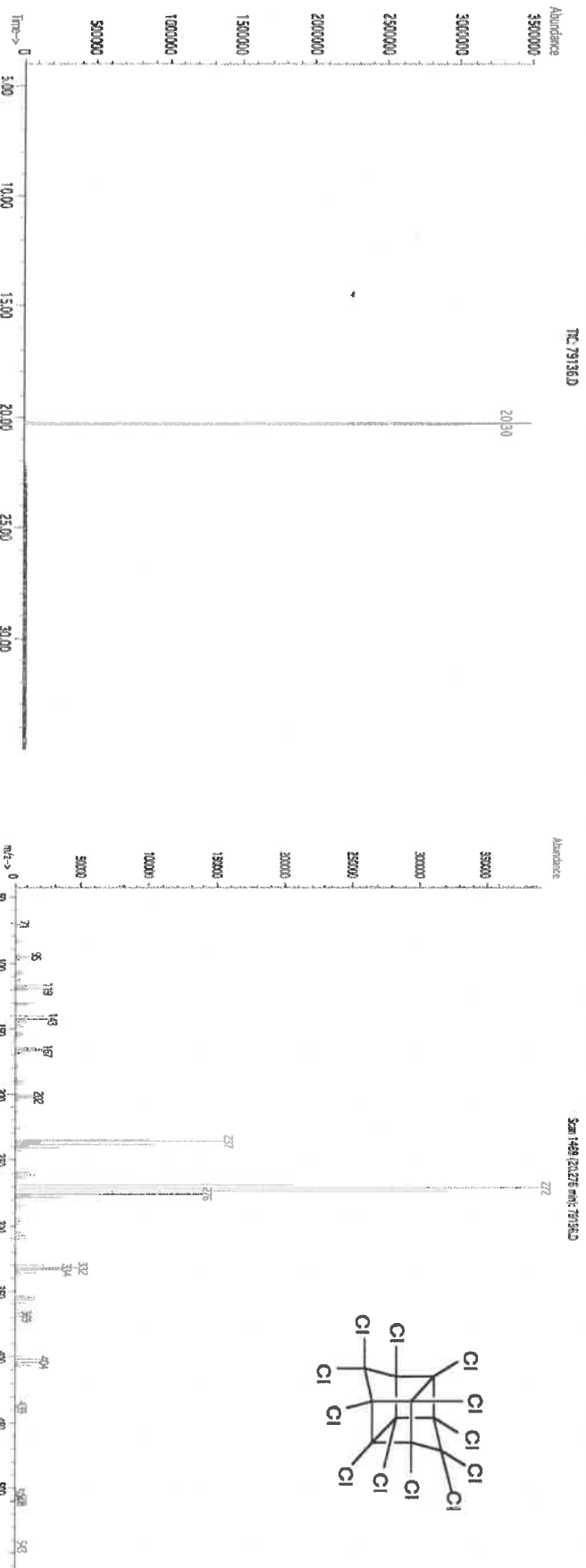
|                |                                                                                       |        |
|----------------|---------------------------------------------------------------------------------------|--------|
| Formulated By: |  | 042022 |
|                | Prashant Chauhan                                                                      | DATE   |
| Reviewed By:   |  | 042022 |
|                | Pedro L. Rantas                                                                       | DATE   |

## SDS Information

| Compound | Expanded SDS Information               |                      |            |                    |                   |                   |                    |                           |
|----------|----------------------------------------|----------------------|------------|--------------------|-------------------|-------------------|--------------------|---------------------------|
|          | (Solvent Safety Info. On Attached pg.) |                      |            |                    |                   |                   |                    |                           |
|          | Lot Number                             | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Uncertainty (+/-) (µg/mL) |
|          | RN#                                    |                      |            |                    |                   |                   | CAS#               |                           |
|          |                                        |                      |            |                    |                   |                   | OSHA PEL (TWA)     | L250                      |

|          | 437 | 9492400 | 1000 | 99.4 | 0.5 | 0.05034 | 0.05040 | 1001.1 | 10.3 | 2385-85-5 | N/A | on-rat 30 |
|----------|-----|---------|------|------|-----|---------|---------|--------|------|-----------|-----|-----------|
| 1. Mirex |     |         |      |      |     |         |         |        |      |           |     |           |

Method GC7MSD-1.M; Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



$P_{13,195}$   
 $\downarrow$   
 $P_{13,199}$   
 $\downarrow$   
 $\textcircled{5}$   
 $|$

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyah, C., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024  
AHLN

Handwritten diagram showing a curved arrow pointing from a circled '5' to the text 'D/C 1/3/5'.



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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

**Catalog No. :** 32021 **Lot No.:** A0197993  
**Description :** Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** August 31, 2029 **Storage:** 10°C or colder  
**Ship:** Ambient

P 12603  
↓  
P 12605  
[3]  
Kauf  
7/3/2023

### CERTIFIED VALUES

| Elution Order | Compound                                                              | CAS #   | Lot #  | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------------------------------------------------|---------|--------|--------|-----------------------------|----------------------------------------|
| 1             | Chlordane<br>10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers | 57-74-9 | 978545 | ----%  | 1,005.0 µg/mL               | +/- 55.7700                            |

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

\* Expanded Uncertainty displayed in same units as Grav. Conc.

### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. (hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

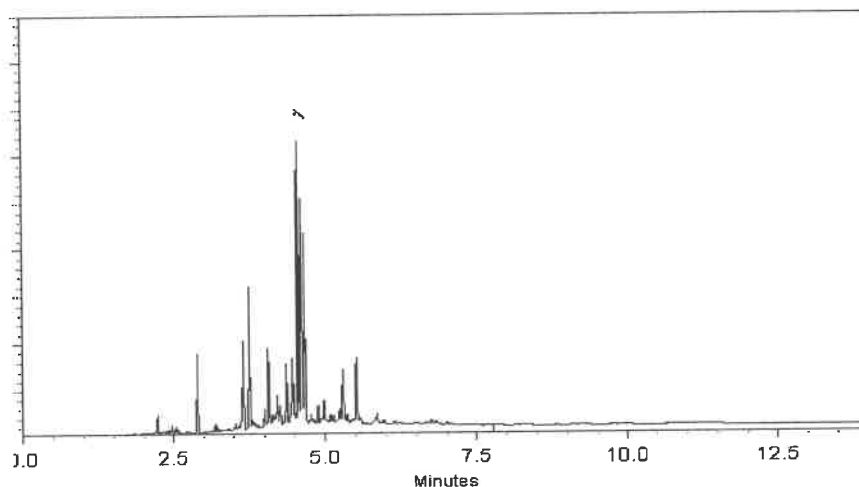
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Morgan Craighead - Mix Technician

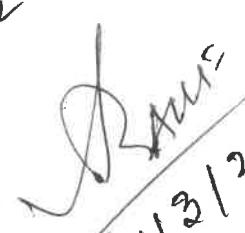
Date Mixed: 11-May-2023

Balance Serial # 1128360905

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 12603 } (3)  
↓  
P 12605  
  
7/3/2023



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#### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No.: 32021 Lot No.: A0197993  
Description: Chlordane Standard  
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul  
Container Size: 2 mL Pkg Amt: > 1 mL  
Expiration Date: August 31, 2029 Storage: 10°C or colder  
Ship: Ambient

*Handwritten:* P 12606, P 12610, 5 Five, 7/3/2023

#### CERTIFIED VALUES

| Elution Order | Compound                                                              | CAS #   | Lot #  | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty* (95% C.L.; K=2) |
|---------------|-----------------------------------------------------------------------|---------|--------|--------|-----------------------------|---------------------------------------|
| 1             | Chlordane<br>10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers | 57-74-9 | 978545 | ----%  | 1,005.0 µg/mL               | +/- 55.7700                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

#### Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. { hold 10 min.}

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

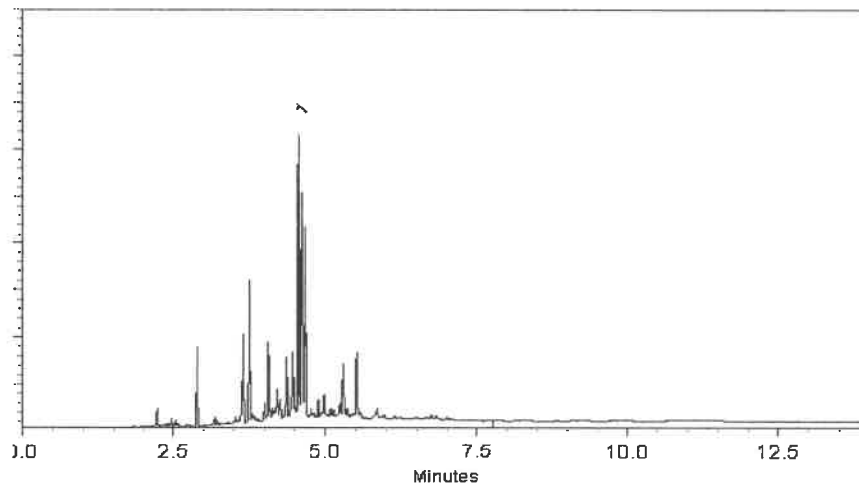
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32291 **Lot No.:** A0200423

**Description :** Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2027 **Storage:** 10°C or colder

**Ship:** Ambient

P 13034  
↓  
P 13038  
12.26.2023

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | alpha-BHC                     | 319-84-6   | 14434500   | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 2             | gamma-BHC (Lindane)           | 58-89-9    | 14184400   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 3             | beta-BHC                      | 319-85-7   | BCCC6425   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 4             | delta-BHC                     | 319-86-8   | 14450800   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 5             | Heptachlor                    | 76-44-8    | 813251     | 99%    | 202.0 µg/mL                 | +/- 9.0629                             |
| 6             | Aldrin                        | 309-00-2   | 14389400   | 98%    | 200.9 µg/mL                 | +/- 9.0136                             |
| 7             | Heptachlor epoxide (isomer B) | 1024-57-3  | 14448800   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 8             | trans-Chlordane               | 5103-74-2  | 34616      | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 9             | cis-Chlordane                 | 5103-71-9  | 31766      | 98%    | 201.4 µg/mL                 | +/- 9.0356                             |
| 10            | Endosulfan I                  | 959-98-8   | BCCF4060   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 11            | 4,4'-DDE                      | 72-55-9    | GHYQG      | 99%    | 201.5 µg/mL                 | +/- 9.0405                             |
| 12            | Dieldrin                      | 60-57-1    | 14515000   | 98%    | 199.9 µg/mL                 | +/- 8.9696                             |
| 13            | Endrin                        | 72-20-8    | 14485300   | 98%    | 200.4 µg/mL                 | +/- 8.9916                             |
| 14            | 4,4'-DDD                      | 72-54-8    | HAN02      | 99%    | 200.5 µg/mL                 | +/- 8.9956                             |
| 15            | Endosulfan II                 | 33213-65-9 | 14374700   | 99%    | 200.0 µg/mL                 | +/- 8.9732                             |
| 16            | 4,4'-DDT                      | 50-29-3    | 230410JLMA | 98%    | 201.9 µg/mL                 | +/- 9.0575                             |

|    |                    |            |          |     |             |            |
|----|--------------------|------------|----------|-----|-------------|------------|
| 17 | Endrin aldehyde    | 7421-93-4  | 30720    | 98% | 201.4 µg/mL | +/- 9.0356 |
| 18 | Endosulfan sulfate | 1031-07-8  | BCCH9010 | 99% | 200.5 µg/mL | +/- 8.9956 |
| 19 | Methoxychlor       | 72-43-5    | 14563200 | 98% | 200.9 µg/mL | +/- 9.0136 |
| 20 | Endrin ketone      | 53494-70-5 | 14537700 | 98% | 199.9 µg/mL | +/- 8.9696 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane/Toluene (50:50)  
**CAS #** 110-54-3/108-88-3  
**Purity** 99%

P13034  
P13038  
1  
5  
12/26/2023

## Quality Confirmation Test

**Column:**  
30m x .25mm x .2µm  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
150°C to 300°C  
@ 4°C/min. ( hold 5 min.)

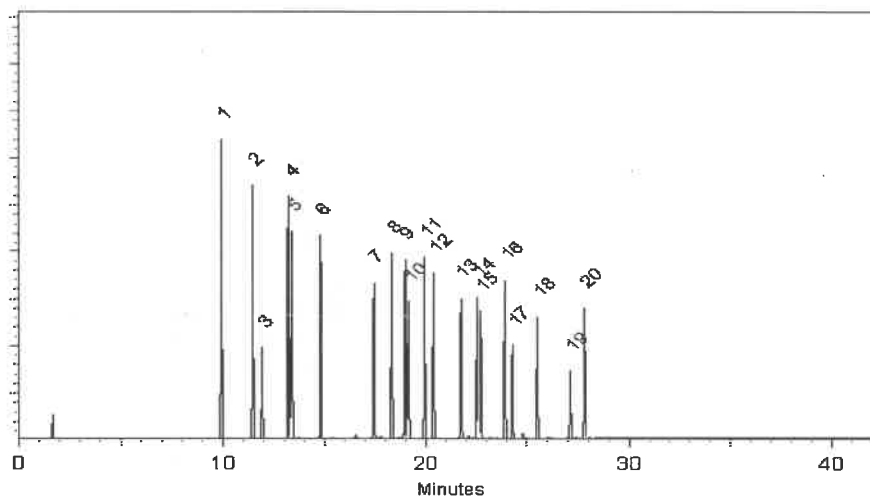
**Inj. Temp:**  
200°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
Split ratio 50:1

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

**Date Mixed:** 31-Jul-2023

**Balance Serial #** B442140311

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 03-Aug-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



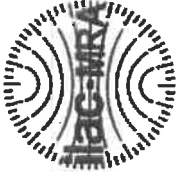


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## CERTIFIED REFERENCE MATERIAL

### Certificate of Analysis *chromatographic plus*



#### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32005 **Lot No.:** A0203038

**Description :** Toxaphene Standard

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

#### CERTIFIED VALUES

| Elution Order | Compound  | CAS #     | Lot #   | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------|-----------|---------|--------|-----------------------------|----------------------------------------|
| 1             | Toxaphene | 8001-35-2 | 1051817 | —%     | 1,009.0 µg/mL               | +/- 55.9920                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

Handwritten notes and signatures:

- Signature: *[Signature]*
- Date: *11/19/24*
- Text: *P13779*
- Text: *P13773*

## Quality Confirmation Test

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

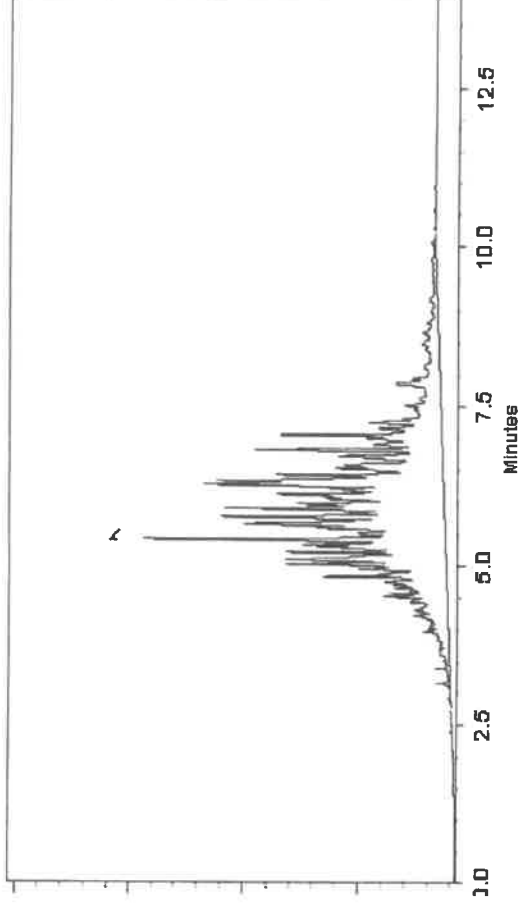
**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
300 ml/min.

**Inj. Vol**  
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*J.P.*

Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

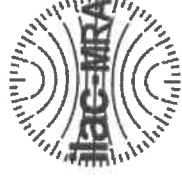
Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FW 80397

*(P)*  
P13773  
P19779  
A7  
11/19/24  
10-5-20



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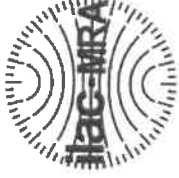
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No.:** 32074 **Lot No.:** A0213999

**Description:** Pesticide Performance Eval Mix w/Surrogate

**Container Size:** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date:** July 31, 2028 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

918780 AJ  
11/19/24  
918784

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #     | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|-----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407  | 99%    | 2.0 µg/mL                   | +/- 0.1506                             |
| 2             | alpha-BHC                    | 319-84-6  | 15279000  | 99%    | 1.0 µg/mL                   | +/- 0.0749                             |
| 3             | gamma-BHC (Lindane)          | 58-89-9   | 14931300  | 97%    | 1.0 µg/mL                   | +/- 0.0756                             |
| 4             | beta-BHC                     | 319-85-7  | BCCC6425  | 99%    | 1.0 µg/mL                   | +/- 0.0749                             |
| 5             | Endrin                       | 72-20-8   | 15076100  | 98%    | 5.0 µg/mL                   | +/- 0.3769                             |
| 6             | 4,4'-DDT                     | 50-29-3   | 231103JLM | 97%    | 10.0 µg/mL                  | +/- 0.7512                             |
| 7             | Methoxychlor                 | 72-43-5   | 14979500  | 98%    | 24.8 µg/mL                  | +/- 1.8543                             |
| 8             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638     | 99%    | 2.0 µg/mL                   | +/- 0.1513                             |

**Solvent:**

Hexane

**CAS #** 110-54-3

**Purity** 99%

\* Expanded Uncertainty displayed in same units as Grav. Conc.



**Tech Tips:**

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

**Quality Confirmation Test**

**Column:**

30m x .25mm x .2µm  
Rtx-CLP II (cat.# 111323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

150°C to 300°C  
@ 4°C/min. ( hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

300°C

**Det. Type:**

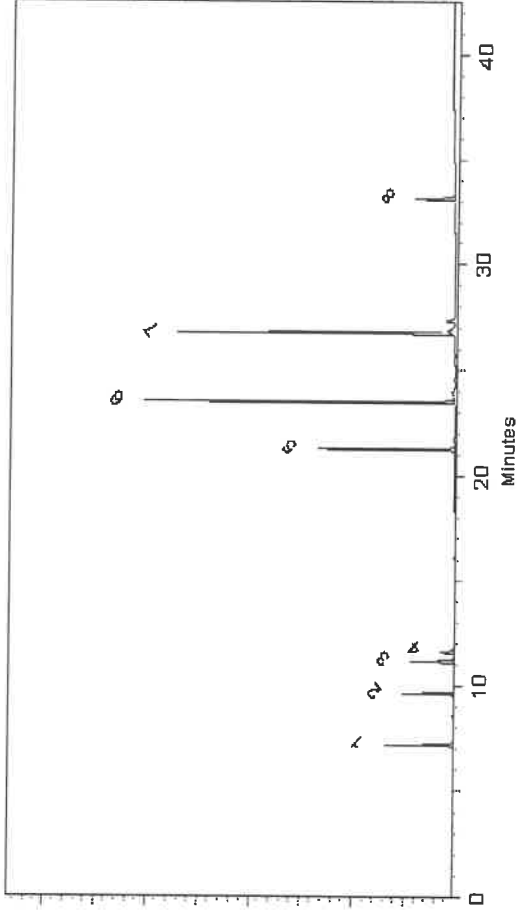
ECD

**Split Vent:**

Split ratio 50:1

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Malina Homan*

Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505

*Jennifer Pollino*

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



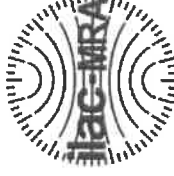
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32000 **Lot No.:** A0214495

**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785  
AJ  
11/19/24  
P19789

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.2 µg/mL                 | +/- 11.1087                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30679    | 99%    | 201.4 µg/mL                 | +/- 11.1753                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

## Quality Confirmation Test

**Column:**  
30m x 25mm x 2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. (hold 10 min.)

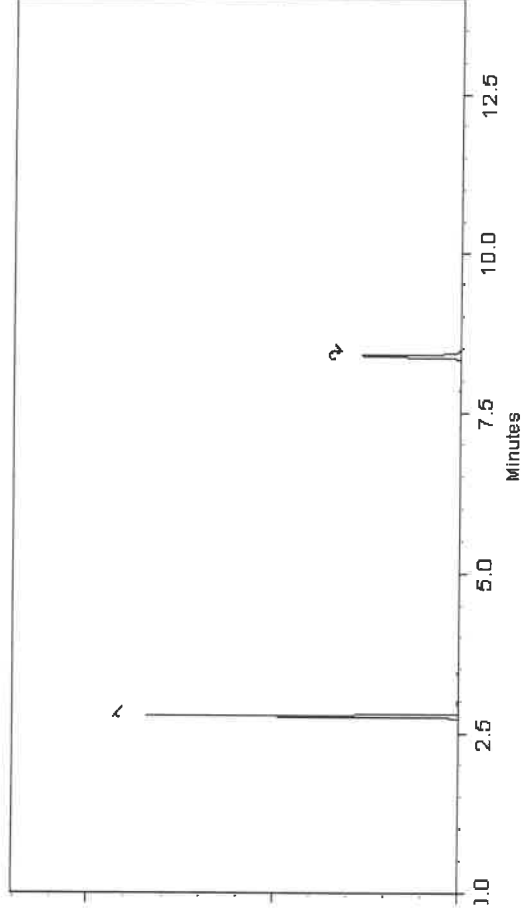
**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
10 ml/min.

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*A. O. P.*  
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 Balance Serial # B345965662

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



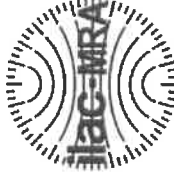
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

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**Description :** Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785  
AJ  
11/19/24  
P19789

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.2 µg/mL                 | +/- 11.1087                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30679    | 99%    | 201.4 µg/mL                 | +/- 11.1753                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

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## Quality Confirmation Test

**Column:**  
30m x 25mm x 2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. (hold 10 min.)

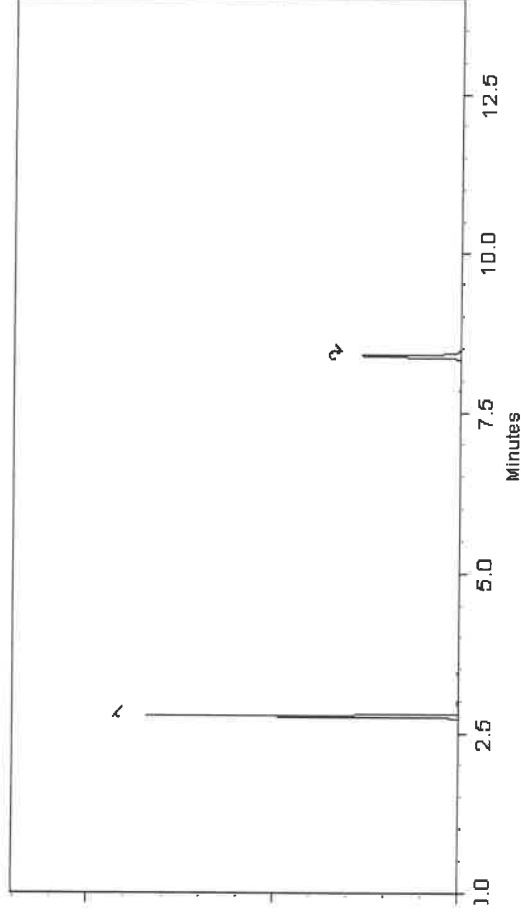
**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD

**Split Vent:**  
10 ml/min.

**Inj. Vol**  
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*A. O. P.*  
**Aaron Enyart - Operations Tech I**

**Date Mixed:** 29-Jul-2024      **Balance Serial #** B345965662

*Jennifer Pollino*  
**Jennifer Pollino - Operations Tech III - ARM QC**

**Date Passed:** 01-Aug-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**Catalog No. :** 32005 **Lot No.:** A0210240

**Description :** Toxaphene Standard  
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound  | CAS #     | Lot #   | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------|-----------|---------|--------|-----------------------------|----------------------------------------|
| 1             | Toxaphene | 8001-35-2 | 1051817 | ----%  | 1,009.3 µg/mL               | +/- 56.0105                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

P13861  
P13862

12/9/2024

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

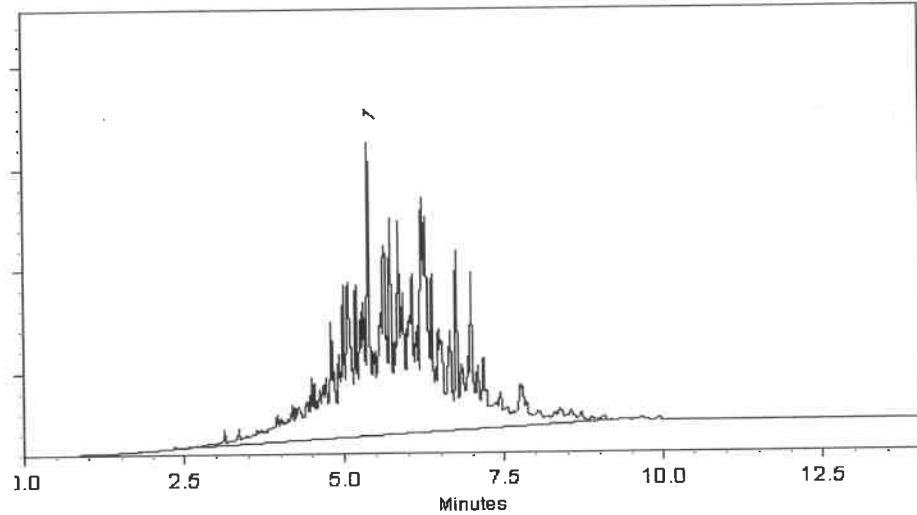
ECD

**Split Vent:**

300 ml/min.

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

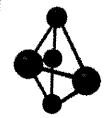
  
Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P13861 } ②  
P13862 }

  
12/9/2024



CERTIFIED WEIGHT REPORT

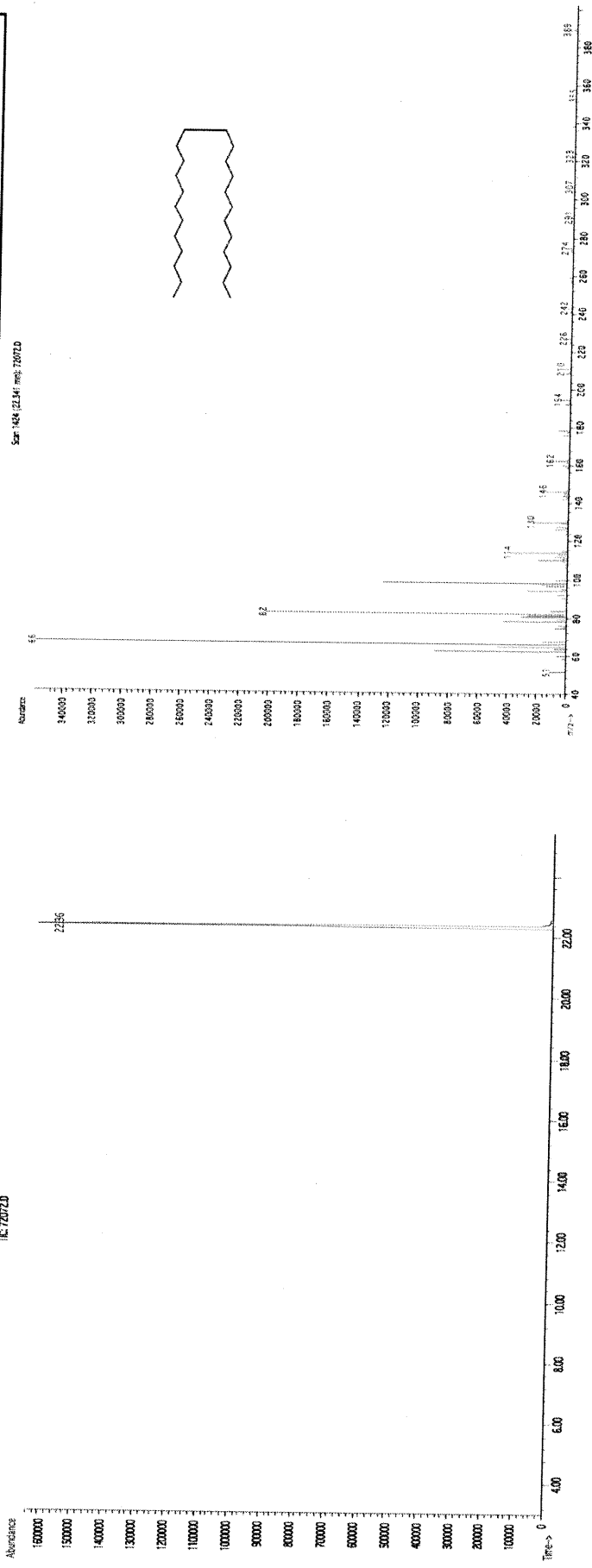
Part Number: 72072  
Lot Number: 112018  
Description: n-Tetracosane-d50  
Expiration Date: 112028  
Recommended Storage: Ambient (20 °C)  
Nominal Concentration (µg/mL): 1000  
NIST Test ID#: 2684186  
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Methylene chloride  
Lot#: 102669  
Received by  
SG on 11/11/19  
p9044-p9053  
5E-05 Balance Uncertainty  
0.058 Flask Uncertainty

|                |                  |        |      |
|----------------|------------------|--------|------|
| Formulated By: | Prashant Chauhan | 112018 | DATE |
| Reviewed By:   | Pedro Rentas     | 112018 | DATE |

| Compound                                                                                                                                                                                                                                                     | RM#  | Lot Number        | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|----------------------|------------|-------------|-------------------|-------------------|---------------------|------------------------------------|--------------------------------------------------------|
| 1. n-Tetracosane-d50                                                                                                                                                                                                                                         | 2072 | PR-17753/09216TC1 | 1000                 | 98         | 0.2         | 0.20411           | 0.20415           | 1000.2              | 4.2                                | 18416-32-3 N/A                                         |
| Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren. |      |                   |                      |            |             |                   |                   |                     |                                    |                                                        |

TC 720720



The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.  
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).  
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.  
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



## Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

### Comments

GC4-M1 Analysis by Melissa Stonier

Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

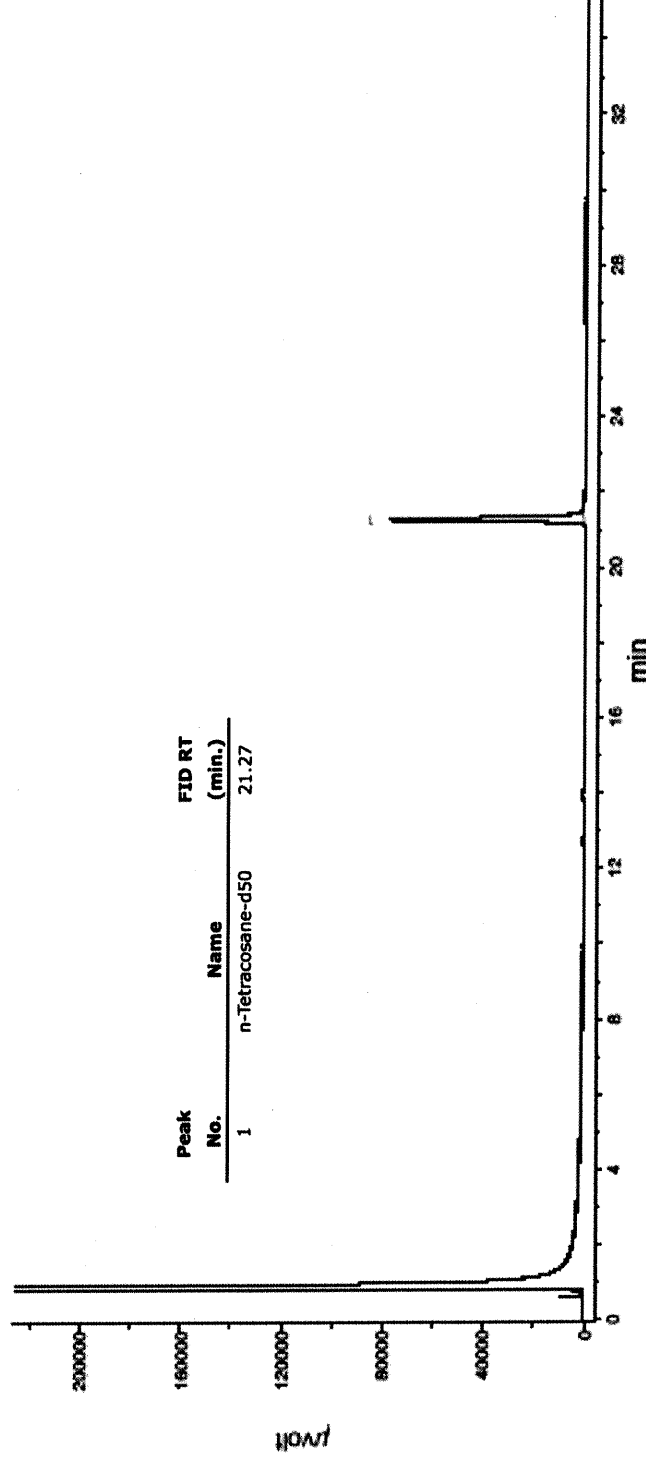
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL,

Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: HDR  
ADDRESS: 50 Tice Blvd Suite 210  
CITY: Woodcliff Lake STATE: NJ ZIP: 07677  
ATTENTION: Andrew Wadden  
PHONE: 201-312-0752 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: PVWC  
PROJECT NO.: 10367568 LOCATION: Passaic, NJ  
PROJECT MANAGER: Andrew Wadden  
e-mail: Andrew.Wadden@HDRInc.com  
PHONE: 201-312-0752 FAX: N/A

CLIENT BILLING INFORMATION

BILL TO: HDR PO#:   
ADDRESS: 50 Tice Blvd Suite 210  
CITY: Woodcliff Lake STATE: NJ ZIP: 07677  
ATTENTION: Andrew Wadden PHONE: 201-312-0752

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) \_\_\_\_\_ DAYS\*  
HARDCOPY (DATA PACKAGE): STANDARD TAT DAYS\*  
EDD: \_\_\_\_\_ DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other: \_\_\_\_\_  
☐ EDD FORMAT \_\_\_\_\_

1. TCL VOCs  
2. TCL SVOCs  
3. Pesticides, Cyanide  
4. Polychlorinated Biphenyls  
5. PCBs  
6. Hexavalent Chromium  
7. Mercury, EPH, Salt Solubility  
8. Reactive Cyanide and Sulfide, Corrosivity  
9. 2,3,7,8-Tetrachloro-dioxin  
Paint filter

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|----------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | E             | E | E | E | E | E | E | E | E |          |
| 1.                       | B8-0.5-1.0-20251023              | S                |                | X    | 10/23                | 1015 | 4            | X             |   |   |   |   |   |   |   |   |          |
| 2.                       | B8-0.0-1.0-20251023              |                  | X              | X    |                      | 1030 | 6            |               | X | X | X | X | X | X | X | X |          |
| 3.                       | B9-0.5-1.0-20251023              |                  |                | X    |                      | 1140 | 4            | X             |   |   |   |   |   |   |   |   |          |
| 4.                       | B9-0.0-1.0-20251023              |                  | X              | X    |                      | 1150 | 3            |               | X | X | X |   |   |   |   |   |          |
| 5.                       | B7-1.5-2.0-20251023              |                  |                | X    |                      | 1340 | 4            | X             |   |   |   |   |   |   |   |   |          |
| 6.                       | B7-1.0-2.0-20251023              |                  | X              | X    |                      | 1350 | 3            |               | X | X | X |   |   |   |   |   |          |
| 7.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 8.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                          |                 |              |          |                                                                                                                                                                     |
|--------------------------|-----------------|--------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME: 1417 | RECEIVED BY: | 1417     | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP: 2.5 °C |
| 1. [Signature]           | 10-24-25        | [Signature]  | 10-24-25 | Comments:                                                                                                                                                           |
| RELINQUISHED BY SAMPLER: | DATE/TIME:      | RECEIVED BY: |          |                                                                                                                                                                     |
| 2.                       |                 | 2.           |          |                                                                                                                                                                     |
| RELINQUISHED BY SAMPLER: | DATE/TIME: 1444 | RECEIVED BY: |          |                                                                                                                                                                     |
| 3. [Signature]           | 10-24-25        | 3.           |          |                                                                                                                                                                     |

### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3466      HDRI08

Client Name : HDR, Inc.

Client Contact : Andrew Wadden

Invoice Name : HDR, Inc.

Invoice Contact : Andrew Wadden

Order Date : 10/24/2025 3:18:10 PM

Project Name : PVWC Linear Construction

Receive DateTime : 10/24/2025 12:00:00 AM

Purchase Order :

Project Mgr :

Report Type : NJ Reduced

EDD Type : Excel NJ

Hard Copy Date :

Date Signoff :

| LAB ID   | CLIENT ID           | MATRIX | SAMPLE DATE | SAMPLE TIME               | TEST          | TEST GROUP | METHOD | FAX DATE     | DUE DATES |
|----------|---------------------|--------|-------------|---------------------------|---------------|------------|--------|--------------|-----------|
| Q3466-01 | B8-0.5-1.0-20251023 | Solid  | 10/23/2025  | 10:15                     |               |            |        |              |           |
|          |                     |        |             |                           | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q3466-04 | B9-0.5-1.0-20251023 | Solid  | 10/23/2025  | 11:40<br><del>10:15</del> |               |            |        |              |           |
|          |                     |        |             |                           | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q3466-06 | B7-1.5-2.0-20251023 | Solid  | 10/23/2025  | 13:40<br><del>10:15</del> |               |            |        |              |           |
|          |                     |        |             |                           | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |

Relinquished By : 

Date / Time : 10/27/25 0855

Received By : 

Date / Time : 10/27/25 2:55

Storage Area : VOA Refridgerator Room

  
F22