

**Matrix Spike/Matrix Spike Duplicate Summary**

SW-846

**SDG No.:** Q3466 **Analytical Method:** 8081B  
**Client:** HDR, Inc. **DataFile :** PD090894.D

|                | Parameter                | Spike             | Sample |                       | Units | Rec | Rec  |     | RPD  |         | Limits    |     |
|----------------|--------------------------|-------------------|--------|-----------------------|-------|-----|------|-----|------|---------|-----------|-----|
|                |                          |                   | Result | Result                |       |     | Qual | RPD | Qual | Low     | High      | RPD |
| 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 | 91  |      |     |      | 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 | Qual | RPD | 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) |     |