

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2150</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PL095850.D</u> |

| Lab Sample ID:                                        | Parameter           | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-------------------------------------------------------|---------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID:</b><br>Q2150-07MSD<br>(Column 1) | <b>TP-51MSD</b>     |       |               |        |       |     |          |     |          |     |             |     |
|                                                       | alpha-BHC           | 19.88 | 0             | 19.8   | ug/kg | 100 |          | 1   |          | 60  | 144         | 20  |
|                                                       | beta-BHC            | 19.88 | 0             | 18.8   | ug/kg | 95  |          | 0   |          | 54  | 143         | 20  |
|                                                       | delta-BHC           | 19.88 | 0             | 19.4   | ug/kg | 98  |          | 1   |          | 29  | 151         | 20  |
|                                                       | gamma-BHC (Lindane) | 19.88 | 0             | 19.7   | ug/kg | 99  |          | 0   |          | 61  | 140         | 20  |
|                                                       | Heptachlor          | 19.88 | 0             | 18.2   | ug/kg | 92  |          | 1   |          | 63  | 135         | 20  |
|                                                       | Aldrin              | 19.88 | 0             | 19.3   | ug/kg | 97  |          | 0   |          | 49  | 139         | 20  |
|                                                       | Heptachlor epoxide  | 19.88 | 0             | 19.2   | ug/kg | 97  |          | 1   |          | 41  | 156         | 20  |
|                                                       | Endosulfan I        | 19.88 | 0             | 18.7   | ug/kg | 94  |          | 0   |          | 56  | 142         | 20  |
|                                                       | Dieldrin            | 19.88 | 0             | 18.5   | ug/kg | 93  |          | 0   |          | 47  | 161         | 20  |
|                                                       | 4,4'-DDE            | 19.88 | 0             | 18.3   | ug/kg | 92  |          | 0   |          | 55  | 136         | 20  |
|                                                       | Endrin              | 19.88 | 0             | 17.0   | ug/kg | 86  |          | 1   |          | 57  | 139         | 20  |
|                                                       | Endosulfan II       | 19.88 | 0             | 17.2   | ug/kg | 87  |          | 1   |          | 40  | 163         | 20  |
|                                                       | 4,4'-DDD            | 19.88 | 0             | 18.9   | ug/kg | 95  |          | 0   |          | 47  | 163         | 20  |
|                                                       | Endosulfan sulfate  | 19.88 | 0             | 17.6   | ug/kg | 89  |          | 5   |          | 62  | 139         | 20  |
|                                                       | 4,4'-DDT            | 19.88 | 0             | 15.3   | ug/kg | 77  |          | 0   |          | 51  | 146         | 20  |
|                                                       | Methoxychlor        | 19.88 | 0             | 15.9   | ug/kg | 80  |          | 3   |          | 54  | 136         | 20  |
|                                                       | Endrin ketone       | 19.88 | 0             | 17.9   | ug/kg | 90  |          | 0   |          | 60  | 129         | 20  |
|                                                       | Endrin aldehyde     | 19.88 | 0             | 18.2   | ug/kg | 92  |          | 0   |          | 59  | 132         | 20  |
|                                                       | alpha-Chlordane     | 19.88 | 0             | 18.5   | ug/kg | 93  |          | 0   |          | 39  | 166         | 20  |
|                                                       | gamma-Chlordane     | 19.88 | 0             | 19.0   | ug/kg | 96  |          | 1   |          | 44  | 175         | 20  |
| <b>Client Sample ID:</b><br>Q2150-07MSD<br>(Column 2) | <b>TP-51MSD</b>     |       |               |        |       |     |          |     |          |     |             |     |
|                                                       | alpha-BHC           | 19.88 | 0             | 20.5   | ug/kg | 103 |          | 0   |          | 60  | 144         | 20  |
|                                                       | beta-BHC            | 19.88 | 0             | 18.8   | ug/kg | 95  |          | 0   |          | 54  | 143         | 20  |
|                                                       | delta-BHC           | 19.88 | 0             | 20.1   | ug/kg | 101 |          | 1   |          | 29  | 151         | 20  |
|                                                       | gamma-BHC (Lindane) | 19.88 | 0             | 20.4   | ug/kg | 103 |          | 1   |          | 61  | 140         | 20  |
|                                                       | Heptachlor          | 19.88 | 0             | 19.0   | ug/kg | 96  |          | 0   |          | 63  | 135         | 20  |
|                                                       | Aldrin              | 19.88 | 0             | 20.2   | ug/kg | 102 |          | 1   |          | 49  | 139         | 20  |
|                                                       | Heptachlor epoxide  | 19.88 | 0             | 19.9   | ug/kg | 100 |          | 1   |          | 41  | 156         | 20  |
|                                                       | Endosulfan I        | 19.88 | 0             | 19.4   | ug/kg | 98  |          | 2   |          | 56  | 142         | 20  |
|                                                       | Dieldrin            | 19.88 | 0             | 19.2   | ug/kg | 97  |          | 1   |          | 47  | 161         | 20  |
|                                                       | 4,4'-DDE            | 19.88 | 0             | 19.1   | ug/kg | 96  |          | 1   |          | 55  | 136         | 20  |
|                                                       | Endrin              | 19.88 | 0             | 17.9   | ug/kg | 90  |          | 1   |          | 57  | 139         | 20  |
|                                                       | Endosulfan II       | 19.88 | 0             | 18.6   | ug/kg | 94  |          | 1   |          | 40  | 163         | 20  |
|                                                       | 4,4'-DDD            | 19.88 | 0             | 19.0   | ug/kg | 96  |          | 2   |          | 47  | 163         | 20  |
|                                                       | Endosulfan sulfate  | 19.88 | 0             | 18.2   | ug/kg | 92  |          | 2   |          | 62  | 139         | 20  |
|                                                       | 4,4'-DDT            | 19.88 | 0             | 16.2   | ug/kg | 81  |          | 1   |          | 51  | 146         | 20  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2150</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PL095850.D</u> |

| Lab Sample ID:            | Parameter       | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits |     |
|---------------------------|-----------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                           |                 |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   | RPD |
| Q2150-07MSD<br>(Column 2) | Methoxychlor    | 19.88 | 0      | 15.4   | ug/kg | 77  |      | 0   |      | 54  | 136    | 20  |
|                           | Endrin ketone   | 19.88 | 0      | 18.9   | ug/kg | 95  |      | 2   |      | 60  | 129    | 20  |
|                           | Endrin aldehyde | 19.88 | 0      | 19.1   | ug/kg | 96  |      | 1   |      | 59  | 132    | 20  |
|                           | alpha-Chlordane | 19.88 | 0      | 19.6   | ug/kg | 99  |      | 1   |      | 39  | 166    | 20  |
|                           | gamma-Chlordane | 19.88 | 0      | 19.6   | ug/kg | 99  |      | 1   |      | 44  | 175    | 20  |