

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |           |                           |            |
|-----------------|-----------|---------------------------|------------|
| <b>SDG No.:</b> | Q2436     | <b>Analytical Method:</b> | 8081B      |
| <b>Client:</b>  | CDM Smith | <b>DataFile :</b>         | PD089210.D |

| 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>Q2430-01MS<br>(Column 1) | <b>MH-E/FMS</b>     |       |               |        |       |     |          |     |          |     |             |     |
|                                                      | alpha-BHC           | 18.89 | 0             | 16.3   | ug/kg | 86  |          |     |          | 60  | 144         |     |
|                                                      | beta-BHC            | 18.89 | 0             | 16.5   | ug/kg | 87  |          |     |          | 54  | 143         |     |
|                                                      | delta-BHC           | 18.89 | 0             | 17.2   | ug/kg | 91  |          |     |          | 29  | 151         |     |
|                                                      | gamma-BHC (Lindane) | 18.89 | 0             | 16.4   | ug/kg | 87  |          |     |          | 61  | 140         |     |
|                                                      | Heptachlor          | 18.89 | 0             | 15.8   | ug/kg | 84  |          |     |          | 63  | 135         |     |
|                                                      | Aldrin              | 18.89 | 0             | 16.7   | ug/kg | 88  |          |     |          | 49  | 139         |     |
|                                                      | Heptachlor epoxide  | 18.89 | 0             | 16.2   | ug/kg | 86  |          |     |          | 41  | 156         |     |
|                                                      | Endosulfan I        | 18.89 | 0             | 16.4   | ug/kg | 87  |          |     |          | 56  | 142         |     |
|                                                      | Dieldrin            | 18.89 | 0             | 16.3   | ug/kg | 86  |          |     |          | 47  | 161         |     |
|                                                      | 4,4'-DDE            | 18.89 | 0             | 16.4   | ug/kg | 87  |          |     |          | 55  | 136         |     |
|                                                      | Endrin              | 18.89 | 0             | 15.6   | ug/kg | 83  |          |     |          | 57  | 139         |     |
|                                                      | Endosulfan II       | 18.89 | 0             | 16.1   | ug/kg | 85  |          |     |          | 40  | 163         |     |
|                                                      | 4,4'-DDD            | 18.89 | 0             | 16.6   | ug/kg | 88  |          |     |          | 47  | 163         |     |
|                                                      | Endosulfan sulfate  | 18.89 | 0             | 15.9   | ug/kg | 84  |          |     |          | 62  | 139         |     |
|                                                      | 4,4'-DDT            | 18.89 | 0             | 14.4   | ug/kg | 76  |          |     |          | 51  | 146         |     |
|                                                      | Methoxychlor        | 18.89 | 0             | 13.4   | ug/kg | 71  |          |     |          | 54  | 136         |     |
|                                                      | Endrin ketone       | 18.89 | 0             | 16.1   | ug/kg | 85  |          |     |          | 60  | 129         |     |
|                                                      | Endrin aldehyde     | 18.89 | 0             | 15.9   | ug/kg | 84  |          |     |          | 59  | 132         |     |
|                                                      | alpha-Chlordane     | 18.89 | 0             | 16.3   | ug/kg | 86  |          |     |          | 39  | 166         |     |
|                                                      | gamma-Chlordane     | 18.89 | 0             | 16.6   | ug/kg | 88  |          |     |          | 44  | 175         |     |
| <b>Client Sample ID:</b><br>Q2430-01MS<br>(Column 2) | <b>MH-E/FMS</b>     |       |               |        |       |     |          |     |          |     |             |     |
|                                                      | alpha-BHC           | 18.89 | 0             | 17.0   | ug/kg | 90  |          |     |          | 60  | 144         |     |
|                                                      | beta-BHC            | 18.89 | 0             | 16.7   | ug/kg | 88  |          |     |          | 54  | 143         |     |
|                                                      | delta-BHC           | 18.89 | 0             | 16.8   | ug/kg | 89  |          |     |          | 29  | 151         |     |
|                                                      | gamma-BHC (Lindane) | 18.89 | 0             | 16.8   | ug/kg | 89  |          |     |          | 61  | 140         |     |
|                                                      | Heptachlor          | 18.89 | 0             | 16.1   | ug/kg | 85  |          |     |          | 63  | 135         |     |
|                                                      | Aldrin              | 18.89 | 0             | 16.8   | ug/kg | 89  |          |     |          | 49  | 139         |     |
|                                                      | Heptachlor epoxide  | 18.89 | 0             | 16.6   | ug/kg | 88  |          |     |          | 41  | 156         |     |
|                                                      | Endosulfan I        | 18.89 | 0             | 16.7   | ug/kg | 88  |          |     |          | 56  | 142         |     |
|                                                      | Dieldrin            | 18.89 | 0             | 16.5   | ug/kg | 87  |          |     |          | 47  | 161         |     |
|                                                      | 4,4'-DDE            | 18.89 | 0             | 16.5   | ug/kg | 87  |          |     |          | 55  | 136         |     |
|                                                      | Endrin              | 18.89 | 0             | 16.0   | ug/kg | 85  |          |     |          | 57  | 139         |     |
|                                                      | Endosulfan II       | 18.89 | 0             | 16.4   | ug/kg | 87  |          |     |          | 40  | 163         |     |
|                                                      | 4,4'-DDD            | 18.89 | 0             | 16.2   | ug/kg | 86  |          |     |          | 47  | 163         |     |
|                                                      | Endosulfan sulfate  | 18.89 | 0             | 16.0   | ug/kg | 85  |          |     |          | 62  | 139         |     |
|                                                      | 4,4'-DDT            | 18.89 | 0             | 15.7   | ug/kg | 83  |          |     |          | 51  | 146         |     |

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|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2436</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PD089210.D</u> |

| Lab Sample ID:           | Parameter       | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits | RPD |
|--------------------------|-----------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                          |                 |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   |     |
| Q2430-01MS<br>(Column 2) | Methoxychlor    | 18.89 | 0      | 14.0   | ug/kg | 74  |      |     |      | 54  | 136    |     |
|                          | Endrin ketone   | 18.89 | 0      | 16.3   | ug/kg | 86  |      |     |      | 60  | 129    |     |
|                          | Endrin aldehyde | 18.89 | 0      | 16.0   | ug/kg | 85  |      |     |      | 59  | 132    |     |
|                          | alpha-Chlordane | 18.89 | 0      | 16.5   | ug/kg | 87  |      |     |      | 39  | 166    |     |
|                          | gamma-Chlordane | 18.89 | 0      | 16.6   | ug/kg | 88  |      |     |      | 44  | 175    |     |