

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |           |                           |            |
|-----------------|-----------|---------------------------|------------|
| <b>SDG No.:</b> | Q1982     | <b>Analytical Method:</b> | 8081B      |
| <b>Client:</b>  | CDM Smith | <b>DataFile :</b>         | PD088560.D |

| Lab Sample ID:                                   | Parameter           | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|--------------------------------------------------|---------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID: OU4-PCS-TC-33-050725MSD</b> |                     |       |               |        |       |     |          |     |          |     |             |     |
| Q1984-01MSD<br>(Column 1)                        | alpha-BHC           | 17.5  | 0             | 19.9   | ug/kg | 114 |          | 1   |          | 60  | 144         | 20  |
|                                                  | beta-BHC            | 17.5  | 0             | 19.5   | ug/kg | 111 |          | 0   |          | 54  | 143         | 20  |
|                                                  | delta-BHC           | 17.5  | 0             | 20.0   | ug/kg | 114 |          | 0   |          | 29  | 151         | 20  |
|                                                  | gamma-BHC (Lindane) | 17.5  | 0             | 20.3   | ug/kg | 116 |          | 1   |          | 61  | 140         | 20  |
|                                                  | Heptachlor          | 17.5  | 0             | 20.7   | ug/kg | 118 |          | 1   |          | 63  | 135         | 20  |
|                                                  | Aldrin              | 17.5  | 0             | 20.4   | ug/kg | 117 |          | 3   |          | 49  | 139         | 20  |
|                                                  | Heptachlor epoxide  | 17.5  | 0             | 19.8   | ug/kg | 113 |          | 0   |          | 41  | 156         | 20  |
|                                                  | Endosulfan I        | 17.5  | 0             | 20.0   | ug/kg | 114 |          | 1   |          | 56  | 142         | 20  |
|                                                  | Dieldrin            | 17.5  | 0             | 20.2   | ug/kg | 115 |          | 1   |          | 47  | 161         | 20  |
|                                                  | 4,4'-DDE            | 17.5  | 0             | 19.4   | ug/kg | 111 |          | 1   |          | 55  | 136         | 20  |
|                                                  | Endrin              | 17.5  | 0             | 19.8   | ug/kg | 113 |          | 1   |          | 57  | 139         | 20  |
|                                                  | Endosulfan II       | 17.5  | 0             | 19.2   | ug/kg | 110 |          | 1   |          | 40  | 163         | 20  |
|                                                  | 4,4'-DDD            | 17.5  | 0             | 20.3   | ug/kg | 116 |          | 1   |          | 47  | 163         | 20  |
|                                                  | Endosulfan sulfate  | 17.5  | 0             | 19.4   | ug/kg | 111 |          | 1   |          | 62  | 139         | 20  |
|                                                  | 4,4'-DDT            | 17.5  | 0             | 19.4   | ug/kg | 111 |          | 1   |          | 51  | 146         | 20  |
|                                                  | Methoxychlor        | 17.5  | 0             | 18.8   | ug/kg | 107 |          | 1   |          | 54  | 136         | 20  |
|                                                  | Endrin ketone       | 17.5  | 0             | 19.7   | ug/kg | 113 |          | 1   |          | 60  | 129         | 20  |
|                                                  | Endrin aldehyde     | 17.5  | 0             | 19.6   | ug/kg | 112 |          | 1   |          | 59  | 132         | 20  |
|                                                  | alpha-Chlordane     | 17.5  | 0             | 19.9   | ug/kg | 114 |          | 1   |          | 39  | 166         | 20  |
|                                                  | gamma-Chlordane     | 17.5  | 0             | 19.8   | ug/kg | 113 |          | 0   |          | 44  | 175         | 20  |
| <b>Client Sample ID: OU4-PCS-TC-33-050725MSD</b> |                     |       |               |        |       |     |          |     |          |     |             |     |
| Q1984-01MSD<br>(Column 2)                        | alpha-BHC           | 17.5  | 0             | 17.8   | ug/kg | 0   |          | 2   |          | 60  | 144         | 20  |
|                                                  | beta-BHC            | 17.5  | 0             | 17.8   | ug/kg | 0   |          | 3   |          | 54  | 143         | 20  |
|                                                  | delta-BHC           | 17.5  | 0             | 17.6   | ug/kg | 0   |          | 2   |          | 29  | 151         | 20  |
|                                                  | gamma-BHC (Lindane) | 17.5  | 0             | 17.2   | ug/kg | 0   |          | 1   |          | 61  | 140         | 20  |
|                                                  | Heptachlor          | 17.5  | 0             | 17.8   | ug/kg | 0   |          | 1   |          | 63  | 135         | 20  |
|                                                  | Aldrin              | 17.5  | 0             | 17.5   | ug/kg | 0   |          | 2   |          | 49  | 139         | 20  |
|                                                  | Heptachlor epoxide  | 17.5  | 0             | 17.3   | ug/kg | 0   |          | 1   |          | 41  | 156         | 20  |
|                                                  | Endosulfan I        | 17.5  | 0             | 17.4   | ug/kg | 0   |          | 1   |          | 56  | 142         | 20  |
|                                                  | Dieldrin            | 17.5  | 0             | 17.4   | ug/kg | 0   |          | 1   |          | 47  | 161         | 20  |
|                                                  | 4,4'-DDE            | 17.5  | 0             | 17.3   | ug/kg | 0   |          | 2   |          | 55  | 136         | 20  |
|                                                  | Endrin              | 17.5  | 0             | 17.4   | ug/kg | 0   |          | 1   |          | 57  | 139         | 20  |
|                                                  | Endosulfan II       | 17.5  | 0             | 16.8   | ug/kg | 0   |          | 1   |          | 40  | 163         | 20  |
|                                                  | 4,4'-DDD            | 17.5  | 0             | 16.7   | ug/kg | 0   |          | 1   |          | 47  | 163         | 20  |
|                                                  | Endosulfan sulfate  | 17.5  | 0             | 16.9   | ug/kg | 0   |          | 3   |          | 62  | 139         | 20  |
|                                                  | 4,4'-DDT            | 17.5  | 0             | 17.1   | ug/kg | 0   |          | 0   |          | 51  | 146         | 20  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q1982</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PD088560.D</u> |

| Lab Sample ID:            | Parameter       | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits |     |
|---------------------------|-----------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                           |                 |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   | RPD |
| Q1984-01MSD<br>(Column 2) | Methoxychlor    | 17.5  | 0      | 16.8   | ug/kg | 0   |      | 1   |      | 54  | 136    | 20  |
|                           | Endrin ketone   | 17.5  | 0      | 17.2   | ug/kg | 0   |      | 1   |      | 60  | 129    | 20  |
|                           | Endrin aldehyde | 17.5  | 0      | 17.0   | ug/kg | 0   |      | 0   |      | 59  | 132    | 20  |
|                           | alpha-Chlordane | 17.5  | 0      | 17.3   | ug/kg | 0   |      | 1   |      | 39  | 166    | 20  |
|                           | gamma-Chlordane | 17.5  | 0      | 17.3   | ug/kg | 0   |      | 1   |      | 44  | 175    | 20  |