

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2543</u>     | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PD089442.D</u> |

|                | Parameter                 | Spike             | Sample |          | Units | Rec | Rec  | RPD |      | Low | Limits |     |
|----------------|---------------------------|-------------------|--------|----------|-------|-----|------|-----|------|-----|--------|-----|
|                |                           |                   | Result |          |       |     | Qual | RPD | Qual |     | High   | RPD |
| Lab Sample ID: | Q2543-03MSD<br>(Column 1) | Client Sample ID: |        | TP-23MSD |       |     |      |     |      |     |        |     |
|                | alpha-BHC                 | 19.56             | 0      | 17.4     | ug/kg | 89  |      | 1   |      | 60  | 144    | 20  |
|                | beta-BHC                  | 19.56             | 0      | 16.7     | ug/kg | 85  |      | 4   |      | 54  | 143    | 20  |
|                | delta-BHC                 | 19.56             | 0      | 17.8     | ug/kg | 91  |      | 6   |      | 29  | 151    | 20  |
|                | gamma-BHC (Lindane)       | 19.56             | 0      | 17.4     | ug/kg | 89  |      | 3   |      | 61  | 140    | 20  |
|                | Heptachlor                | 19.56             | 0      | 16.0     | ug/kg | 82  |      | 2   |      | 63  | 135    | 20  |
|                | Aldrin                    | 19.56             | 0      | 16.4     | ug/kg | 84  |      | 1   |      | 49  | 139    | 20  |
|                | Heptachlor epoxide        | 19.56             | 0      | 16.2     | ug/kg | 83  |      | 8   |      | 41  | 156    | 20  |
|                | Endosulfan I              | 19.56             | 0      | 15.4     | ug/kg | 79  |      | 4   |      | 56  | 142    | 20  |
|                | Dieldrin                  | 19.56             | 0      | 15.2     | ug/kg | 78  |      | 4   |      | 47  | 161    | 20  |
|                | 4,4'-DDE                  | 19.56             | 0      | 15.1     | ug/kg | 77  |      | 3   |      | 55  | 136    | 20  |
|                | Endrin                    | 19.56             | 0      | 14.7     | ug/kg | 75  |      | 8   |      | 57  | 139    | 20  |
|                | Endosulfan II             | 19.56             | 0      | 13.8     | ug/kg | 71  |      | 1   |      | 40  | 163    | 20  |
|                | 4,4'-DDD                  | 19.56             | 0      | 15.0     | ug/kg | 77  |      | 5   |      | 47  | 163    | 20  |
|                | Endosulfan sulfate        | 19.56             | 0      | 14.2     | ug/kg | 73  |      | 6   |      | 62  | 139    | 20  |
|                | 4,4'-DDT                  | 19.56             | 0      | 13.5     | ug/kg | 69  |      | 1   |      | 51  | 146    | 20  |
|                | Methoxychlor              | 19.56             | 0      | 12.8     | ug/kg | 65  |      | 2   |      | 54  | 136    | 20  |
|                | Endrin ketone             | 19.56             | 0      | 13.8     | ug/kg | 71  |      | 1   |      | 60  | 129    | 20  |
|                | Endrin aldehyde           | 19.56             | 0      | 14.2     | ug/kg | 73  |      | 1   |      | 59  | 132    | 20  |
|                | alpha-Chlordane           | 19.56             | 0      | 15.5     | ug/kg | 79  |      | 4   |      | 39  | 166    | 20  |
|                | gamma-Chlordane           | 19.56             | 0      | 15.6     | ug/kg | 80  |      | 5   |      | 44  | 175    | 20  |
| Lab Sample ID: | Q2543-03MSD<br>(Column 2) | Client Sample ID: |        | TP-23MSD |       |     |      |     |      |     |        |     |
|                | alpha-BHC                 | 19.56             | 0      | 18.5     | ug/kg | 95  |      | 0   |      | 60  | 144    | 20  |
|                | beta-BHC                  | 19.56             | 0      | 17.9     | ug/kg | 92  |      | 1   |      | 54  | 143    | 20  |
|                | delta-BHC                 | 19.56             | 0      | 18.4     | ug/kg | 94  |      | 2   |      | 29  | 151    | 20  |
|                | gamma-BHC (Lindane)       | 19.56             | 0      | 18.4     | ug/kg | 94  |      | 0   |      | 61  | 140    | 20  |
|                | Heptachlor                | 19.56             | 0      | 17.6     | ug/kg | 90  |      | 0   |      | 63  | 135    | 20  |
|                | Aldrin                    | 19.56             | 0      | 18.4     | ug/kg | 94  |      | 2   |      | 49  | 139    | 20  |
|                | Heptachlor epoxide        | 19.56             | 0      | 18.4     | ug/kg | 94  |      | 4   |      | 41  | 156    | 20  |
|                | Endosulfan I              | 19.56             | 0      | 17.6     | ug/kg | 90  |      | 3   |      | 56  | 142    | 20  |
|                | Dieldrin                  | 19.56             | 0      | 16.9     | ug/kg | 86  |      | 1   |      | 47  | 161    | 20  |
|                | 4,4'-DDE                  | 19.56             | 0      | 17.0     | ug/kg | 87  |      | 2   |      | 55  | 136    | 20  |
|                | Endrin                    | 19.56             | 0      | 16.3     | ug/kg | 83  |      | 4   |      | 57  | 139    | 20  |
|                | Endosulfan II             | 19.56             | 0      | 15.6     | ug/kg | 80  |      | 4   |      | 40  | 163    | 20  |
|                | 4,4'-DDD                  | 19.56             | 0      | 15.7     | ug/kg | 80  |      | 4   |      | 47  | 163    | 20  |
|                | Endosulfan sulfate        | 19.56             | 0      | 15.1     | ug/kg | 77  |      | 4   |      | 62  | 139    | 20  |

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| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PD089442.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits |     |
|-----------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                 |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   | RPD |
| 4,4'-DDT        | 19.56 | 0      | 14.5   | ug/kg | 74  |      | 3   |      | 51  | 146    | 20  |
| Methoxychlor    | 19.56 | 0      | 13.2   | ug/kg | 67  |      | 2   |      | 54  | 136    | 20  |
| Endrin ketone   | 19.56 | 0      | 14.1   | ug/kg | 72  |      | 9   |      | 60  | 129    | 20  |
| Endrin aldehyde | 19.56 | 0      | 15.1   | ug/kg | 77  |      | 3   |      | 59  | 132    | 20  |
| alpha-Chlordane | 19.56 | 0      | 17.5   | ug/kg | 89  |      | 3   |      | 39  | 166    | 20  |
| gamma-Chlordane | 19.56 | 0      | 17.7   | ug/kg | 90  |      | 3   |      | 44  | 175    | 20  |