

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |              |                           |                   |
|-----------------|--------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3424</u> | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090811.D</u> |

|                | Parameter                | Spike             | Sample |                          | Units | Rec | Rec  | RPD |      | Low | Limits |     |
|----------------|--------------------------|-------------------|--------|--------------------------|-------|-----|------|-----|------|-----|--------|-----|
|                |                          |                   | Result |                          |       |     | Qual | RPD | Qual |     | High   | RPD |
| Lab Sample ID: | Q3419-02MS<br>(Column 1) | Client Sample ID: |        | PR-132-S16-015094-202510 |       |     |      |     |      |     |        |     |
|                | alpha-BHC                | 30.56             | 0      | 24.4                     | ug/kg | 80  |      |     |      | 60  | 144    |     |
|                | beta-BHC                 | 30.56             | 0      | 25.4                     | ug/kg | 83  |      |     |      | 54  | 143    |     |
|                | delta-BHC                | 30.56             | 0      | 19.1                     | ug/kg | 63  |      |     |      | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 30.56             | 0      | 20.0                     | ug/kg | 65  |      |     |      | 61  | 140    |     |
|                | Heptachlor               | 30.56             | 0      | 30.9                     | ug/kg | 101 |      |     |      | 63  | 135    |     |
|                | Aldrin                   | 30.56             | 0      | 27.2                     | ug/kg | 89  |      |     |      | 49  | 139    |     |
|                | Heptachlor epoxide       | 30.56             | 0      | 27.3                     | ug/kg | 89  |      |     |      | 41  | 156    |     |
|                | Endosulfan I             | 30.56             | 0      | 26.9                     | ug/kg | 88  |      |     |      | 56  | 142    |     |
|                | Dieldrin                 | 30.56             | 0      | 27.8                     | ug/kg | 91  |      |     |      | 47  | 161    |     |
|                | 4,4'-DDE                 | 30.56             | 0.624  | 27.4                     | ug/kg | 88  |      |     |      | 55  | 136    |     |
|                | Endrin                   | 30.56             | 0      | 26.6                     | ug/kg | 87  |      |     |      | 57  | 139    |     |
|                | Endosulfan II            | 30.56             | 0      | 26.6                     | ug/kg | 87  |      |     |      | 40  | 163    |     |
|                | 4,4'-DDD                 | 30.56             | 0      | 27.8                     | ug/kg | 91  |      |     |      | 47  | 163    |     |
|                | Endosulfan sulfate       | 30.56             | 0      | 17.5                     | ug/kg | 57  | *    |     |      | 62  | 139    |     |
|                | 4,4'-DDT                 | 30.56             | 0      | 26.4                     | ug/kg | 86  |      |     |      | 51  | 146    |     |
|                | Methoxychlor             | 30.56             | 0      | 25.9                     | ug/kg | 85  |      |     |      | 54  | 136    |     |
|                | Endrin ketone            | 30.56             | 0      | 27.7                     | ug/kg | 91  |      |     |      | 60  | 129    |     |
|                | Endrin aldehyde          | 30.56             | 0      | 20.6                     | ug/kg | 67  |      |     |      | 59  | 132    |     |
|                | alpha-Chlordane          | 30.56             | 0      | 26.4                     | ug/kg | 86  |      |     |      | 39  | 166    |     |
|                | gamma-Chlordane          | 30.56             | 0      | 27.4                     | ug/kg | 90  |      |     |      | 44  | 175    |     |
| Lab Sample ID: | Q3419-02MS<br>(Column 2) | Client Sample ID: |        | PR-132-S16-015094-202510 |       |     |      |     |      |     |        |     |
|                | alpha-BHC                | 30.56             | 0      | 22.4                     | ug/kg | 73  |      |     |      | 60  | 144    |     |
|                | beta-BHC                 | 30.56             | 0      | 25.6                     | ug/kg | 84  |      |     |      | 54  | 143    |     |
|                | delta-BHC                | 30.56             | 0      | 19.0                     | ug/kg | 62  |      |     |      | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 30.56             | 0      | 19.3                     | ug/kg | 63  |      |     |      | 61  | 140    |     |
|                | Heptachlor               | 30.56             | 0      | 26.1                     | ug/kg | 85  |      |     |      | 63  | 135    |     |
|                | Aldrin                   | 30.56             | 0      | 25.3                     | ug/kg | 83  |      |     |      | 49  | 139    |     |
|                | Heptachlor epoxide       | 30.56             | 0      | 25.4                     | ug/kg | 83  |      |     |      | 41  | 156    |     |
|                | Endosulfan I             | 30.56             | 0      | 24.1                     | ug/kg | 79  |      |     |      | 56  | 142    |     |
|                | Dieldrin                 | 30.56             | 0      | 26.3                     | ug/kg | 86  |      |     |      | 47  | 161    |     |
|                | 4,4'-DDE                 | 30.56             | 0.3181 | 26.0                     | ug/kg | 85  |      |     |      | 55  | 136    |     |
|                | Endrin                   | 30.56             | 0      | 24.0                     | ug/kg | 79  |      |     |      | 57  | 139    |     |
|                | Endosulfan II            | 30.56             | 0      | 26.4                     | ug/kg | 86  |      |     |      | 40  | 163    |     |
|                | 4,4'-DDD                 | 30.56             | 0      | 24.7                     | ug/kg | 81  |      |     |      | 47  | 163    |     |
|                | Endosulfan sulfate       | 30.56             | 0      | 17.1                     | ug/kg | 56  | *    |     |      | 62  | 139    |     |

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| <b>Client:</b>  | <u>AECOM</u> | <b>DataFile :</b>         | <u>PD090811.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec | Qual | RPD | Qual | Low | Limits |     |
|-----------------|-------|--------|--------|-------|-----|-----|------|-----|------|-----|--------|-----|
|                 |       | Result | Result |       |     |     |      |     |      |     | High   | RPD |
| 4,4'-DDT        | 30.56 | 0      | 25.5   | ug/kg | 83  |     |      |     |      | 51  | 146    |     |
| Methoxychlor    | 30.56 | 0      | 25.5   | ug/kg | 83  |     |      |     |      | 54  | 136    |     |
| Endrin ketone   | 30.56 | 0      | 27.6   | ug/kg | 90  |     |      |     |      | 60  | 129    |     |
| Endrin aldehyde | 30.56 | 0      | 19.5   | ug/kg | 64  |     |      |     |      | 59  | 132    |     |
| alpha-Chlordane | 30.56 | 0      | 25.8   | ug/kg | 84  |     |      |     |      | 39  | 166    |     |
| gamma-Chlordane | 30.56 | 0      | 26.6   | ug/kg | 87  |     |      |     |      | 44  | 175    |     |