

**Matrix Spike/Matrix Spike Duplicate Summary**

SW-846

|                 |                    |                           |                   |
|-----------------|--------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2638</u>       | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Nobis Group</u> | <b>DataFile :</b>         | <u>PL096485.D</u> |

|                | Parameter           | Spike             | Sample |          | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits |     |
|----------------|---------------------|-------------------|--------|----------|-------|-----|----------|-----|----------|-----|--------|-----|
|                |                     |                   | Result | Result   |       |     |          |     |          |     | High   | RPD |
| Lab Sample ID: | Q2635-01MS          | Client Sample ID: |        | RT2286MS |       |     |          |     |          |     |        |     |
|                | (Column 1)          |                   |        |          |       |     |          |     |          |     |        |     |
|                | alpha-BHC           | 19.63             | 0      | 18.9     | ug/kg | 96  |          |     |          | 45  | 137    |     |
|                | beta-BHC            | 19.63             | 0      | 16.9     | ug/kg | 86  |          |     |          | 50  | 136    |     |
|                | delta-BHC           | 19.63             | 0      | 18.2     | ug/kg | 93  |          |     |          | 47  | 139    |     |
|                | gamma-BHC (Lindane) | 19.63             | 0      | 18.5     | ug/kg | 94  |          |     |          | 49  | 135    |     |
|                | Heptachlor          | 19.63             | 0      | 18.9     | ug/kg | 96  |          |     |          | 47  | 136    |     |
|                | Aldrin              | 19.63             | 1.10   | 19.0     | ug/kg | 91  |          |     |          | 45  | 136    |     |
|                | Heptachlor epoxide  | 19.63             | 0      | 21.0     | ug/kg | 107 |          |     |          | 52  | 136    |     |
|                | Endosulfan I        | 19.63             | 0      | 18.9     | ug/kg | 96  |          |     |          | 53  | 132    |     |
|                | Dieldrin            | 19.63             | 2.40   | 20.1     | ug/kg | 90  |          |     |          | 56  | 136    |     |
|                | 4,4'-DDE            | 19.63             | 0      | 17.2     | ug/kg | 88  |          |     |          | 56  | 134    |     |
|                | Endrin              | 19.63             | 1.20   | 21.0     | ug/kg | 101 |          |     |          | 57  | 140    |     |
|                | Endosulfan II       | 19.63             | 0.95   | 19.4     | ug/kg | 94  |          |     |          | 53  | 134    |     |
|                | 4,4'-DDD            | 19.63             | 0      | 24.9     | ug/kg | 127 |          |     |          | 56  | 139    |     |
|                | Endosulfan sulfate  | 19.63             | 1.70   | 20.6     | ug/kg | 91  |          |     |          | 55  | 136    |     |
|                | 4,4'-DDT            | 19.63             | 0.41   | 19.3     | ug/kg | 80  |          |     |          | 50  | 141    |     |
|                | Methoxychlor        | 19.63             | 0      | 20.8     | ug/kg | 106 |          |     |          | 52  | 143    |     |
|                | Endrin ketone       | 19.63             | 0      | 25.6     | ug/kg | 130 |          |     |          | 55  | 136    |     |
|                | Endrin aldehyde     | 19.63             | 0      | 23.0     | ug/kg | 117 |          |     |          | 35  | 137    |     |
|                | alpha-Chlordane     | 19.63             | 0.42   | 18.4     | ug/kg | 92  |          |     |          | 54  | 133    |     |
|                | gamma-Chlordane     | 19.63             | 0      | 19.0     | ug/kg | 97  |          |     |          | 53  | 135    |     |
| Lab Sample ID: | Q2635-01MS          | Client Sample ID: |        | RT2286MS |       |     |          |     |          |     |        |     |
|                | (Column 2)          |                   |        |          |       |     |          |     |          |     |        |     |
|                | alpha-BHC           | 19.63             | 0      | 17.1     | ug/kg | 87  |          |     |          | 45  | 137    |     |
|                | beta-BHC            | 19.63             | 0      | 15.4     | ug/kg | 78  |          |     |          | 50  | 136    |     |
|                | delta-BHC           | 19.63             | 0      | 16.6     | ug/kg | 85  |          |     |          | 47  | 139    |     |
|                | gamma-BHC (Lindane) | 19.63             | 0      | 16.8     | ug/kg | 86  |          |     |          | 49  | 135    |     |
|                | Heptachlor          | 19.63             | 0      | 17.1     | ug/kg | 87  |          |     |          | 47  | 136    |     |
|                | Aldrin              | 19.63             | 0.99   | 17.5     | ug/kg | 89  |          |     |          | 45  | 136    |     |
|                | Heptachlor epoxide  | 19.63             | 0      | 16.5     | ug/kg | 84  |          |     |          | 52  | 136    |     |
|                | Endosulfan I        | 19.63             | 0      | 13.7     | ug/kg | 70  |          |     |          | 53  | 132    |     |
|                | Dieldrin            | 19.63             | 2.10   | 18.3     | ug/kg | 93  |          |     |          | 56  | 136    |     |
|                | 4,4'-DDE            | 19.63             | 0      | 15.5     | ug/kg | 79  |          |     |          | 56  | 134    |     |
|                | Endrin              | 19.63             | 0.85   | 16.9     | ug/kg | 86  |          |     |          | 57  | 140    |     |
|                | Endosulfan II       | 19.63             | 1.00   | 16.9     | ug/kg | 86  |          |     |          | 53  | 134    |     |
|                | 4,4'-DDD            | 19.63             | 0      | 16.1     | ug/kg | 82  |          |     |          | 56  | 139    |     |
|                | Endosulfan sulfate  | 19.63             | 2.80   | 19.1     | ug/kg | 97  |          |     |          | 55  | 136    |     |

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| <b>Client:</b>  | <u>Nobis Group</u> | <b>DataFile :</b>         | <u>PL096485.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec | Qual | RPD | Qual | Low | Limits |     |
|-----------------|-------|--------|--------|-------|-----|-----|------|-----|------|-----|--------|-----|
|                 |       | Result | Result |       |     |     |      |     |      |     | High   | RPD |
| 4,4'-DDT        | 19.63 | 3.60   | 19.4   | ug/kg | 99  |     |      |     |      | 50  | 141    |     |
| Methoxychlor    | 19.63 | 0      | 15.9   | ug/kg | 81  |     |      |     |      | 52  | 143    |     |
| Endrin ketone   | 19.63 | 0      | 15.9   | ug/kg | 81  |     |      |     |      | 55  | 136    |     |
| Endrin aldehyde | 19.63 | 0      | 19.2   | ug/kg | 98  |     |      |     |      | 35  | 137    |     |
| alpha-Chlordane | 19.63 | 0.32   | 14.8   | ug/kg | 75  |     |      |     |      | 54  | 133    |     |
| gamma-Chlordane | 19.63 | 0      | 16.8   | ug/kg | 86  |     |      |     |      | 53  | 135    |     |