

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                               |                           |                   |
|-----------------|-------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2651</u>                  | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Earth Engineering Inc.</u> | <b>DataFile :</b>         | <u>PL096485.D</u> |

|                | Parameter                | Spike             | Sample |          | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits |     |
|----------------|--------------------------|-------------------|--------|----------|-------|-----|-------------|-----|-------------|-----|--------|-----|
|                |                          |                   | Result |          |       |     |             |     |             |     | High   | RPD |
| Lab Sample ID: | Q2635-01MS<br>(Column 1) | Client Sample ID: |        | RT2286MS |       |     |             |     |             |     |        |     |
|                | alpha-BHC                | 19.63             | 0      | 18.9     | ug/kg | 96  |             |     |             | 60  | 144    |     |
|                | beta-BHC                 | 19.63             | 0      | 16.9     | ug/kg | 86  |             |     |             | 54  | 143    |     |
|                | delta-BHC                | 19.63             | 0      | 18.2     | ug/kg | 93  |             |     |             | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 19.63             | 0      | 18.5     | ug/kg | 94  |             |     |             | 61  | 140    |     |
|                | Heptachlor               | 19.63             | 0      | 18.9     | ug/kg | 96  |             |     |             | 63  | 135    |     |
|                | Aldrin                   | 19.63             | 1.1    | 19.0     | ug/kg | 91  |             |     |             | 49  | 139    |     |
|                | Heptachlor epoxide       | 19.63             | 0      | 21.0     | ug/kg | 107 |             |     |             | 41  | 156    |     |
|                | Endosulfan I             | 19.63             | 0      | 18.9     | ug/kg | 96  |             |     |             | 56  | 142    |     |
|                | Dieldrin                 | 19.63             | 2.4    | 20.1     | ug/kg | 90  |             |     |             | 47  | 161    |     |
|                | 4,4'-DDE                 | 19.63             | 0      | 17.2     | ug/kg | 88  |             |     |             | 55  | 136    |     |
|                | Endrin                   | 19.63             | 1.2    | 21.0     | ug/kg | 101 |             |     |             | 57  | 139    |     |
|                | Endosulfan II            | 19.63             | 0.95   | 19.4     | ug/kg | 94  |             |     |             | 40  | 163    |     |
|                | 4,4'-DDD                 | 19.63             | 0      | 24.9     | ug/kg | 127 |             |     |             | 47  | 163    |     |
|                | Endosulfan sulfate       | 19.63             | 1.7    | 20.6     | ug/kg | 91  |             |     |             | 62  | 139    |     |
|                | 4,4'-DDT                 | 19.63             | 0.41   | 19.3     | ug/kg | 80  |             |     |             | 51  | 146    |     |
|                | Methoxychlor             | 19.63             | 0      | 20.8     | ug/kg | 106 |             |     |             | 54  | 136    |     |
|                | Endrin ketone            | 19.63             | 0      | 25.6     | ug/kg | 130 | *           |     |             | 60  | 129    |     |
|                | Endrin aldehyde          | 19.63             | 0      | 23.0     | ug/kg | 117 |             |     |             | 59  | 132    |     |
|                | alpha-Chlordane          | 19.63             | 0.42   | 18.4     | ug/kg | 92  |             |     |             | 39  | 166    |     |
|                | gamma-Chlordane          | 19.63             | 0      | 19.0     | ug/kg | 97  |             |     |             | 44  | 175    |     |
| Lab Sample ID: | Q2635-01MS<br>(Column 2) | Client Sample ID: |        | RT2286MS |       |     |             |     |             |     |        |     |
|                | alpha-BHC                | 19.63             | 0      | 17.1     | ug/kg | 87  |             |     |             | 60  | 144    |     |
|                | beta-BHC                 | 19.63             | 0      | 15.4     | ug/kg | 78  |             |     |             | 54  | 143    |     |
|                | delta-BHC                | 19.63             | 0      | 16.6     | ug/kg | 85  |             |     |             | 29  | 151    |     |
|                | gamma-BHC (Lindane)      | 19.63             | 0      | 16.8     | ug/kg | 86  |             |     |             | 61  | 140    |     |
|                | Heptachlor               | 19.63             | 0      | 17.1     | ug/kg | 87  |             |     |             | 63  | 135    |     |
|                | Aldrin                   | 19.63             | 0.99   | 17.5     | ug/kg | 89  |             |     |             | 49  | 139    |     |
|                | Heptachlor epoxide       | 19.63             | 0      | 16.5     | ug/kg | 84  |             |     |             | 41  | 156    |     |
|                | Endosulfan I             | 19.63             | 0      | 13.7     | ug/kg | 70  |             |     |             | 56  | 142    |     |
|                | Dieldrin                 | 19.63             | 2.1    | 18.3     | ug/kg | 93  |             |     |             | 47  | 161    |     |
|                | 4,4'-DDE                 | 19.63             | 0      | 15.5     | ug/kg | 79  |             |     |             | 55  | 136    |     |
|                | Endrin                   | 19.63             | 0.85   | 16.9     | ug/kg | 86  |             |     |             | 57  | 139    |     |
|                | Endosulfan II            | 19.63             | 1      | 16.9     | ug/kg | 86  |             |     |             | 40  | 163    |     |
|                | 4,4'-DDD                 | 19.63             | 0      | 16.1     | ug/kg | 82  |             |     |             | 47  | 163    |     |
|                | Endosulfan sulfate       | 19.63             | 2.8    | 19.1     | ug/kg | 97  |             |     |             | 62  | 139    |     |

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|                 |                               |                           |                   |
|-----------------|-------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2651</u>                  | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Earth Engineering Inc.</u> | <b>DataFile :</b>         | <u>PL096485.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits |     |
|-----------------|-------|--------|--------|-------|-----|-------------|-----|-------------|-----|--------|-----|
|                 |       | Result | Result |       |     |             |     |             |     | High   | RPD |
| 4,4'-DDT        | 19.63 | 3.6    | 19.4   | ug/kg | 99  |             |     |             | 51  | 146    |     |
| Methoxychlor    | 19.63 | 0      | 15.9   | ug/kg | 81  |             |     |             | 54  | 136    |     |
| Endrin ketone   | 19.63 | 0      | 15.9   | ug/kg | 81  |             |     |             | 60  | 129    |     |
| Endrin aldehyde | 19.63 | 0      | 19.2   | ug/kg | 98  |             |     |             | 59  | 132    |     |
| alpha-Chlordane | 19.63 | 0.32   | 14.8   | ug/kg | 75  |             |     |             | 39  | 166    |     |
| gamma-Chlordane | 19.63 | 0      | 16.8   | ug/kg | 86  |             |     |             | 44  | 175    |     |