

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                               |                           |                   |
|-----------------|-------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2392</u>                  | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Earth Engineering Inc.</u> | <b>DataFile :</b>         | <u>PD089141.D</u> |

| Lab Sample ID:                                       | Parameter            | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|------------------------------------------------------|----------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID:</b><br>Q2393-01MS<br>(Column 1) | <b>PARK AVE -1MS</b> |       |               |        |       |     |          |     |          |     |             |     |
|                                                      | alpha-BHC            | 19.98 | 0             | 18.0   | ug/kg | 90  |          |     |          | 60  | 144         |     |
|                                                      | beta-BHC             | 19.98 | 0             | 17.3   | ug/kg | 87  |          |     |          | 54  | 143         |     |
|                                                      | delta-BHC            | 19.98 | 0             | 18.8   | ug/kg | 94  |          |     |          | 29  | 151         |     |
|                                                      | gamma-BHC (Lindane)  | 19.98 | 0             | 18.0   | ug/kg | 90  |          |     |          | 61  | 140         |     |
|                                                      | Heptachlor           | 19.98 | 0             | 17.3   | ug/kg | 87  |          |     |          | 63  | 135         |     |
|                                                      | Aldrin               | 19.98 | 0             | 17.8   | ug/kg | 89  |          |     |          | 49  | 139         |     |
|                                                      | Heptachlor epoxide   | 19.98 | 0             | 17.4   | ug/kg | 87  |          |     |          | 41  | 156         |     |
|                                                      | Endosulfan I         | 19.98 | 0             | 17.3   | ug/kg | 87  |          |     |          | 56  | 142         |     |
|                                                      | Dieldrin             | 19.98 | 0             | 17.4   | ug/kg | 87  |          |     |          | 47  | 161         |     |
|                                                      | 4,4'-DDE             | 19.98 | 0             | 17.1   | ug/kg | 86  |          |     |          | 55  | 136         |     |
|                                                      | Endrin               | 19.98 | 0             | 16.6   | ug/kg | 83  |          |     |          | 57  | 139         |     |
|                                                      | Endosulfan II        | 19.98 | 0             | 16.6   | ug/kg | 83  |          |     |          | 40  | 163         |     |
|                                                      | 4,4'-DDD             | 19.98 | 0             | 17.6   | ug/kg | 88  |          |     |          | 47  | 163         |     |
|                                                      | Endosulfan sulfate   | 19.98 | 0             | 16.7   | ug/kg | 84  |          |     |          | 62  | 139         |     |
|                                                      | 4,4'-DDT             | 19.98 | 0             | 15.8   | ug/kg | 79  |          |     |          | 51  | 146         |     |
|                                                      | Methoxychlor         | 19.98 | 0             | 15.6   | ug/kg | 78  |          |     |          | 54  | 136         |     |
|                                                      | Endrin ketone        | 19.98 | 0             | 17.0   | ug/kg | 85  |          |     |          | 60  | 129         |     |
|                                                      | Endrin aldehyde      | 19.98 | 0             | 17.2   | ug/kg | 86  |          |     |          | 59  | 132         |     |
|                                                      | alpha-Chlordane      | 19.98 | 0             | 17.3   | ug/kg | 87  |          |     |          | 39  | 166         |     |
|                                                      | gamma-Chlordane      | 19.98 | 0             | 17.1   | ug/kg | 86  |          |     |          | 44  | 175         |     |
| <b>Client Sample ID:</b><br>Q2393-01MS<br>(Column 2) | <b>PARK AVE -1MS</b> |       |               |        |       |     |          |     |          |     |             |     |
|                                                      | alpha-BHC            | 19.98 | 0             | 18.0   | ug/kg | 90  |          |     |          | 60  | 144         |     |
|                                                      | beta-BHC             | 19.98 | 0             | 17.7   | ug/kg | 89  |          |     |          | 54  | 143         |     |
|                                                      | delta-BHC            | 19.98 | 0             | 18.0   | ug/kg | 90  |          |     |          | 29  | 151         |     |
|                                                      | gamma-BHC (Lindane)  | 19.98 | 0             | 18.0   | ug/kg | 90  |          |     |          | 61  | 140         |     |
|                                                      | Heptachlor           | 19.98 | 0             | 17.4   | ug/kg | 87  |          |     |          | 63  | 135         |     |
|                                                      | Aldrin               | 19.98 | 0             | 17.9   | ug/kg | 90  |          |     |          | 49  | 139         |     |
|                                                      | Heptachlor epoxide   | 19.98 | 0             | 17.6   | ug/kg | 88  |          |     |          | 41  | 156         |     |
|                                                      | Endosulfan I         | 19.98 | 0             | 17.6   | ug/kg | 88  |          |     |          | 56  | 142         |     |
|                                                      | Dieldrin             | 19.98 | 0             | 17.5   | ug/kg | 88  |          |     |          | 47  | 161         |     |
|                                                      | 4,4'-DDE             | 19.98 | 0             | 17.3   | ug/kg | 87  |          |     |          | 55  | 136         |     |
|                                                      | Endrin               | 19.98 | 0             | 17.4   | ug/kg | 87  |          |     |          | 57  | 139         |     |
|                                                      | Endosulfan II        | 19.98 | 0             | 16.9   | ug/kg | 85  |          |     |          | 40  | 163         |     |
|                                                      | 4,4'-DDD             | 19.98 | 0             | 17.3   | ug/kg | 87  |          |     |          | 47  | 163         |     |
|                                                      | Endosulfan sulfate   | 19.98 | 0             | 16.6   | ug/kg | 83  |          |     |          | 62  | 139         |     |
|                                                      | 4,4'-DDT             | 19.98 | 0             | 16.0   | ug/kg | 80  |          |     |          | 51  | 146         |     |

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|                 |                               |                           |                   |
|-----------------|-------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2392</u>                  | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Earth Engineering Inc.</u> | <b>DataFile :</b>         | <u>PD089141.D</u> |

| Lab Sample ID:           | Parameter       | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits |     |
|--------------------------|-----------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                          |                 |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   | RPD |
| Q2393-01MS<br>(Column 2) | Methoxychlor    | 19.98 | 0      | 15.4   | ug/kg | 77  |      |     |      | 54  | 136    |     |
|                          | Endrin ketone   | 19.98 | 0      | 16.4   | ug/kg | 82  |      |     |      | 60  | 129    |     |
|                          | Endrin aldehyde | 19.98 | 0      | 16.8   | ug/kg | 84  |      |     |      | 59  | 132    |     |
|                          | alpha-Chlordane | 19.98 | 0      | 17.6   | ug/kg | 88  |      |     |      | 39  | 166    |     |
|                          | gamma-Chlordane | 19.98 | 0      | 17.6   | ug/kg | 88  |      |     |      | 44  | 175    |     |