

**Matrix Spike/Matrix Spike Duplicate Summary**

SW-846

|                 |                                                |                           |                   |
|-----------------|------------------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2994</u>                                   | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Core Environmental Consultants and Serv</u> | <b>DataFile :</b>         | <u>PD090112.D</u> |

|                | Parameter           | Spike             | Sample |              | Units | Rec | Rec Qual | RPD | RPD  |     | Limits |     |
|----------------|---------------------|-------------------|--------|--------------|-------|-----|----------|-----|------|-----|--------|-----|
|                |                     |                   | Result | Result       |       |     |          |     | Qual | Low | High   | RPD |
| Lab Sample ID: | Q2989-01MS          | Client Sample ID: |        | SOUTH-TP-5MS |       |     |          |     |      |     |        |     |
|                | (Column 1)          |                   |        |              |       |     |          |     |      |     |        |     |
|                | alpha-BHC           | 19.05             | 0      | 17.4         | ug/kg | 91  |          |     | 60   | 144 |        |     |
|                | beta-BHC            | 19.05             | 0      | 16.9         | ug/kg | 89  |          |     | 54   | 143 |        |     |
|                | delta-BHC           | 19.05             | 0      | 15.1         | ug/kg | 79  |          |     | 29   | 151 |        |     |
|                | gamma-BHC (Lindane) | 19.05             | 0      | 17.2         | ug/kg | 90  |          |     | 61   | 140 |        |     |
|                | Heptachlor          | 19.05             | 0      | 17.2         | ug/kg | 90  |          |     | 63   | 135 |        |     |
|                | Aldrin              | 19.05             | 0      | 17.7         | ug/kg | 93  |          |     | 49   | 139 |        |     |
|                | Heptachlor epoxide  | 19.05             | 0      | 17.6         | ug/kg | 92  |          |     | 41   | 156 |        |     |
|                | Endosulfan I        | 19.05             | 0      | 17.7         | ug/kg | 93  |          |     | 56   | 142 |        |     |
|                | Dieldrin            | 19.05             | 0      | 17.8         | ug/kg | 93  |          |     | 47   | 161 |        |     |
|                | 4,4'-DDE            | 19.05             | 0      | 17.9         | ug/kg | 94  |          |     | 55   | 136 |        |     |
|                | Endrin              | 19.05             | 0      | 17.3         | ug/kg | 91  |          |     | 57   | 139 |        |     |
|                | Endosulfan II       | 19.05             | 0      | 17.1         | ug/kg | 90  |          |     | 40   | 163 |        |     |
|                | 4,4'-DDD            | 19.05             | 0      | 18.1         | ug/kg | 95  |          |     | 47   | 163 |        |     |
|                | Endosulfan sulfate  | 19.05             | 0      | 16.1         | ug/kg | 85  |          |     | 62   | 139 |        |     |
|                | 4,4'-DDT            | 19.05             | 0      | 16.0         | ug/kg | 84  |          |     | 51   | 146 |        |     |
|                | Methoxychlor        | 19.05             | 0      | 15.2         | ug/kg | 80  |          |     | 54   | 136 |        |     |
|                | Endrin ketone       | 19.05             | 0      | 17.1         | ug/kg | 90  |          |     | 60   | 129 |        |     |
|                | Endrin aldehyde     | 19.05             | 0      | 16.3         | ug/kg | 86  |          |     | 59   | 132 |        |     |
|                | alpha-Chlordane     | 19.05             | 0      | 17.7         | ug/kg | 93  |          |     | 39   | 166 |        |     |
|                | gamma-Chlordane     | 19.05             | 0      | 18.1         | ug/kg | 95  |          |     | 44   | 175 |        |     |
| Lab Sample ID: | Q2989-01MS          | Client Sample ID: |        | SOUTH-TP-5MS |       |     |          |     |      |     |        |     |
|                | (Column 2)          |                   |        |              |       |     |          |     |      |     |        |     |
|                | alpha-BHC           | 19.05             | 0      | 16.9         | ug/kg | 89  |          |     | 60   | 144 |        |     |
|                | beta-BHC            | 19.05             | 0      | 17.5         | ug/kg | 92  |          |     | 54   | 143 |        |     |
|                | delta-BHC           | 19.05             | 0      | 14.0         | ug/kg | 73  |          |     | 29   | 151 |        |     |
|                | gamma-BHC (Lindane) | 19.05             | 0      | 16.9         | ug/kg | 89  |          |     | 61   | 140 |        |     |
|                | Heptachlor          | 19.05             | 0      | 16.5         | ug/kg | 87  |          |     | 63   | 135 |        |     |
|                | Aldrin              | 19.05             | 0      | 17.3         | ug/kg | 91  |          |     | 49   | 139 |        |     |
|                | Heptachlor epoxide  | 19.05             | 0      | 17.2         | ug/kg | 90  |          |     | 41   | 156 |        |     |
|                | Endosulfan I        | 19.05             | 0      | 17.4         | ug/kg | 91  |          |     | 56   | 142 |        |     |
|                | Dieldrin            | 19.05             | 0      | 17.3         | ug/kg | 91  |          |     | 47   | 161 |        |     |
|                | 4,4'-DDE            | 19.05             | 0      | 17.6         | ug/kg | 92  |          |     | 55   | 136 |        |     |
|                | Endrin              | 19.05             | 0      | 16.6         | ug/kg | 87  |          |     | 57   | 139 |        |     |
|                | Endosulfan II       | 19.05             | 0      | 17.3         | ug/kg | 91  |          |     | 40   | 163 |        |     |
|                | 4,4'-DDD            | 19.05             | 0      | 16.9         | ug/kg | 89  |          |     | 47   | 163 |        |     |
|                | Endosulfan sulfate  | 19.05             | 0      | 16.2         | ug/kg | 85  |          |     | 62   | 139 |        |     |

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|                 |                                                |                           |                   |
|-----------------|------------------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2994</u>                                   | <b>Analytical Method:</b> | <u>8081B</u>      |
| <b>Client:</b>  | <u>Core Environmental Consultants and Serv</u> | <b>DataFile :</b>         | <u>PD090112.D</u> |

| Parameter       | Spike | Sample |        | Units | Rec | Rec | Qual | RPD | Qual | Low | Limits |     |
|-----------------|-------|--------|--------|-------|-----|-----|------|-----|------|-----|--------|-----|
|                 |       | Result | Result |       |     |     |      |     |      |     | High   | RPD |
| 4,4'-DDT        | 19.05 | 0      | 16.3   | ug/kg | 86  |     |      |     |      | 51  | 146    |     |
| Methoxychlor    | 19.05 | 0      | 15.5   | ug/kg | 81  |     |      |     |      | 54  | 136    |     |
| Endrin ketone   | 19.05 | 0      | 17.2   | ug/kg | 90  |     |      |     |      | 60  | 129    |     |
| Endrin aldehyde | 19.05 | 0      | 16.1   | ug/kg | 85  |     |      |     |      | 59  | 132    |     |
| alpha-Chlordane | 19.05 | 0      | 17.5   | ug/kg | 92  |     |      |     |      | 39  | 166    |     |
| gamma-Chlordane | 19.05 | 0      | 17.5   | ug/kg | 92  |     |      |     |      | 44  | 175    |     |