

**SOLID EPH\_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

|                    |                   |                    |                                         |
|--------------------|-------------------|--------------------|-----------------------------------------|
| <b>Lab Name:</b>   | <u>Alliance</u>   | <b>Client:</b>     | <u>Sciacca General Contractors, LLC</u> |
| <b>Lab Code:</b>   | <u>ACE</u>        | <b>SDG No:</b>     | <u>Q3410</u>                            |
| <b>Sample No :</b> | <u>Q3410-07MS</u> | <b>Datafile:</b>   | <u>FC070036.D</u>                       |
|                    |                   | <b>Client ID :</b> | <u>5MS</u>                              |

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS (%) |
|-------------------|-------------------------|----------------------------------|----------------------------------|-------|------|---------------|
| Aliphatic C28-C40 | 38.0                    | 124                              | 149                              | 64    |      | (40-140)      |
| Aliphatic C9-C28  | 126.7                   | 27.1                             | 98.0                             | 56    |      | (40-140)      |

| COMPOUND                     | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC<br>LIMITS (%) |
|------------------------------|-------------------------|----------------------------------|----------------------------------|-------|------|------------------|
| n-Nonane (C9)                | 4.2                     | 0.0024                           | 2.6377                           | 63    |      | (40-140)         |
| n-Decane (C10)               | 4.2                     | 0.0078                           | 2.6856                           | 64    |      | (40-140)         |
| Naphthalene (C11.7)          | 4.2                     | 0.0369                           | 2.9964                           | 70    |      | (40-140)         |
| n-Dodecane (C12)             | 4.2                     | 0.0081                           | 2.7124                           | 64    |      | (40-140)         |
| 2-methylnaphthalene (C12.89) | 4.2                     | 0.0160                           | 2.7216                           | 64    |      | (40-140)         |
| n-Tetradecane (C14)          | 4.2                     | 0.0228                           | 2.6824                           | 63    |      | (40-140)         |
| n-Hexadecane (C16)           | 4.2                     | 0.0595                           | 2.5482                           | 59    |      | (40-140)         |
| n-Octadecane (C18)           | 4.2                     | 0.0843                           | 2.4816                           | 57    |      | (40-140)         |
| n-Eicosane (C20)             | 4.2                     | 0.1135                           | 2.5925                           | 59    |      | (40-140)         |
| n-Heneicosane (C21)          | 4.2                     | 0.2449                           | 2.7381                           | 59    |      | (40-140)         |
| n-Docosane (C22)             | 4.2                     | 0.1710                           | 2.6921                           | 60    |      | (40-140)         |
| n-Tetracosane (C24)          | 8.4                     | 1.0493                           | 9.6487                           | 102   |      | (40-140)         |
| n-Hexacosane (C26)           | 4.2                     | 0.2300                           | 2.6692                           | 58    |      | (40-140)         |
| n-Octacosane (C28)           | 4.2                     | 0.6742                           | 3.1654                           | 59    |      | (40-140)         |
| n-Tricontane (C30)           | 4.2                     | 0.9884                           | 3.4123                           | 58    |      | (40-140)         |
| n-Dotriacontane (C32)        | 4.2                     | 2.4277                           | 4.9082                           | 59    |      | (40-140)         |
| n-Tetratriacontane (C34)     | 4.2                     | 3.1972                           | 6.0479                           | 68    |      | (40-140)         |
| n-Hexatriacontane (C36)      | 4.2                     | 3.7859                           | 6.5678                           | 66    |      | (40-140)         |
| n-Octatriacontane (C38)      | 4.2                     | 1.7885                           | 6.1029                           | 103   |      | (40-140)         |
| n-Tetracontane (C40)         | 4.2                     | 1.3195                           | 4.8114                           | 83    |      | (40-140)         |