

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

|                    |                    |                  |                                               |                                                          |
|--------------------|--------------------|------------------|-----------------------------------------------|----------------------------------------------------------|
| <b>Lab Name:</b>   | <u>Chemtech</u>    | <b>Client:</b>   | <u>Alliance Technical Group, LLC - Newark</u> |                                                          |
| <b>Lab Code:</b>   | <u>CHEM</u>        | <b>Cas No:</b>   | <u>Q1872</u>                                  | <b>SAS No :</b> <u>Q1872</u> <b>SDG No:</b> <u>Q1872</u> |
| <b>Sample No :</b> | <u>Q1901-04MSD</u> | <b>Datafile:</b> | <u>FC068805.D</u>                             | <b>Client ID :</b> <u>B-167-SB02MSD</u>                  |

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD  | QC LIMITS | QC Limit Of<br>RPD |
|-------------------|-------------------------|----------------------------------|----------------------------------|-------|------|------|-----------|--------------------|
| Aliphatic C9-C12  | 18.8                    | 0                                | 9.57                             | 51    |      | 0.2  | (40-140)  | 50                 |
| Aliphatic C12-C16 | 12.5                    | 2.11                             | 9.36                             | 58    |      | 0.34 | (40-140)  | 50                 |
| Aliphatic C16-C21 | 18.8                    | 0                                | 14.6                             | 78    |      | 1.4  | (40-140)  | 50                 |
| Aliphatic C21-C28 | 25.0                    | 0                                | 19.2                             | 77    |      | 0.52 | (40-140)  | 50                 |
| Aliphatic C28-C40 | 37.5                    | 0                                | 26.4                             | 70    |      | 0.28 | (40-140)  | 50                 |

| COMPOUND                     | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD  | QC<br>LIMITS | QC Limit<br>Of RPD |
|------------------------------|-------------------------|----------------------------------|----------------------------------|-------|------|------|--------------|--------------------|
| n-Nonane (C9)                | 6.3                     | 0.0000                           | 2.5000                           | 40    |      | 0    | (40-140)     | 50                 |
| n-Decane (C10)               | 6.3                     | 0.0000                           | 3.2810                           | 52    |      | 1.9  | (40-140)     | 50                 |
| Naphthalene (C11.7)          | 6.3                     | 0.0000                           | 0.0585                           | 1     | *    | 0    | (40-140)     | 50                 |
| n-Dodecane (C12)             | 6.3                     | 0.0535                           | 3.7448                           | 59    |      | 0    | (40-140)     | 50                 |
| 2-methylnaphthalene (C12.89) | 6.3                     | 0.0000                           | 0.0000                           | 0     | *    | 0    | (40-140)     | 50                 |
| n-Tetradecane (C14)          | 6.3                     | 0.0760                           | 4.3348                           | 68    |      | 1.46 | (40-140)     | 50                 |
| n-Hexadecane (C16)           | 6.3                     | 0.0000                           | 4.6446                           | 74    |      | 1.34 | (40-140)     | 50                 |
| n-Octadecane (C18)           | 6.3                     | 0.0000                           | 4.7788                           | 76    |      | 2.6  | (40-140)     | 50                 |
| n-Eicosane (C20)             | 6.3                     | 0.0000                           | 5.0192                           | 80    |      | 2.47 | (40-140)     | 50                 |
| n-Heneicosane (C21)          | 6.3                     | 0.0000                           | 4.8416                           | 77    |      | 2.56 | (40-140)     | 50                 |
| n-Docosane (C22)             | 6.3                     | 0.0000                           | 4.8667                           | 77    |      | 2.56 | (40-140)     | 50                 |
| n-Tetracosane (C24)          | 12.5                    | 0.0000                           | 4.8347                           | 39    | *    | 0    | (40-140)     | 50                 |
| n-Hexacosane (C26)           | 6.3                     | 0.0000                           | 4.7837                           | 76    |      | 1.31 | (40-140)     | 50                 |
| n-Octacosane (C28)           | 6.3                     | 0.0000                           | 4.7363                           | 75    |      | 2.63 | (40-140)     | 50                 |
| n-Tricontane (C30)           | 6.3                     | 0.0000                           | 4.6897                           | 74    |      | 2.67 | (40-140)     | 50                 |
| n-Dotriacontane (C32)        | 6.3                     | 0.0000                           | 4.5511                           | 72    |      | 1.38 | (40-140)     | 50                 |
| n-Tetratriacontane (C34)     | 6.3                     | 0.0000                           | 4.5169                           | 72    |      | 1.38 | (40-140)     | 50                 |
| n-Hexatriacontane (C36)      | 6.3                     | 0.0000                           | 4.2427                           | 67    |      | 1.48 | (40-140)     | 50                 |
| n-Octatriacontane (C38)      | 6.3                     | 0.0000                           | 4.1925                           | 67    |      | 0    | (40-140)     | 50                 |
| n-Tetracontane (C40)         | 6.3                     | 0.0000                           | 4.1117                           | 65    |      | 0    | (40-140)     | 50                 |