

**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

|                    |                   |                    |                   |
|--------------------|-------------------|--------------------|-------------------|
| <b>Lab Name:</b>   | <u>Alliance</u>   | <b>Client:</b>     | <u>CDM Smith</u>  |
| <b>Lab Code:</b>   | <u>ACE</u>        | <b>SDG No:</b>     | <u>Q3123</u>      |
| <b>Sample No :</b> | <u>PB169768BS</u> | <b>Datafile:</b>   | <u>FE055924.D</u> |
|                    |                   | <b>Client ID :</b> | <u>PB169768BS</u> |

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS (%) |
|-------------------|-------------------------|------------------------------------|-------|------|---------------|
| Aliphatic C9-C12  | 10.0                    | 5.51                               | 55    |      | (40-140)      |
| Aliphatic C12-C16 | 6.7                     | 5.08                               | 76    |      | (40-140)      |
| Aliphatic C16-C21 | 10.0                    | 9.26                               | 93    |      | (40-140)      |
| Aliphatic C21-C28 | 13.3                    | 11.5                               | 86    |      | (40-140)      |
| Aliphatic C28-C40 | 20.0                    | 17.1                               | 86    |      | (40-140)      |

| COMPOUND                     | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC<br>LIMITS(%) |
|------------------------------|-------------------------|------------------------------------|-------|------|-----------------|
| n-Nonane (C9)                | 3.3                     | 1.52998                            | 46    |      | (40-140)        |
| n-Decane (C10)               | 3.3                     | 1.84110                            | 56    |      | (40-140)        |
| Naphthalene (C11.7)          | 3.3                     | 0.00000                            | 0     | *    | (40-140)        |
| n-Dodecane (C12)             | 3.3                     | 2.12770                            | 64    |      | (40-140)        |
| 2-methylnaphthalene (C12.89) | 3.3                     | 0.00000                            | 0     | *    | (40-140)        |
| n-Tetradecane (C14)          | 3.3                     | 2.40872                            | 73    |      | (40-140)        |
| n-Hexadecane (C16)           | 3.3                     | 2.66858                            | 81    |      | (40-140)        |
| n-Octadecane (C18)           | 3.3                     | 2.88416                            | 87    |      | (40-140)        |
| n-Eicosane (C20)             | 3.3                     | 3.22951                            | 98    |      | (40-140)        |
| n-Heneicosane (C21)          | 3.3                     | 3.14703                            | 95    |      | (40-140)        |
| n-Docosane (C22)             | 3.3                     | 3.10350                            | 94    |      | (40-140)        |
| n-Tetracosane (C24)          | 6.7                     | 2.96001                            | 44    |      | (40-140)        |
| n-Hexacosane (C26)           | 3.3                     | 2.75670                            | 84    |      | (40-140)        |
| n-Octacosane (C28)           | 3.3                     | 2.64710                            | 80    |      | (40-140)        |
| n-Tricontane (C30)           | 3.3                     | 2.59444                            | 79    |      | (40-140)        |
| n-Dotriacontane (C32)        | 3.3                     | 2.65887                            | 81    |      | (40-140)        |
| n-Tetratriacontane (C34)     | 3.3                     | 2.82887                            | 86    |      | (40-140)        |
| n-Hexatriacontane (C36)      | 3.3                     | 3.05019                            | 92    |      | (40-140)        |
| n-Octatriacontane (C38)      | 3.3                     | 3.08849                            | 94    |      | (40-140)        |
| n-Tetracontane (C40)         | 3.3                     | 2.91105                            | 88    |      | (40-140)        |