

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

|                    |                    |                    |                           |
|--------------------|--------------------|--------------------|---------------------------|
| <b>Lab Name:</b>   | <u>Alliance</u>    | <b>Client:</b>     | <u>Roman E&amp;G Corp</u> |
| <b>Lab Code:</b>   | <u>ACE</u>         | <b>SDG No:</b>     | <u>Q3604</u>              |
| <b>Sample No :</b> | <u>PB170504BSD</u> | <b>Datafile:</b>   | <u>FE056812.D</u>         |
|                    |                    | <b>Client ID :</b> | <u>PB170504BSD</u>        |

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS (%) | QC Limit<br>Of RPD |
|-------------------|-------------------------|------------------------------------|-------|------|---------------------|--------------------|
| Aliphatic C28-C40 | 30.0                    | 20.5                               | 68    |      | 4.5  (40-140)       | 25                 |
| Aliphatic C9-C28  | 99.9                    | 66.4                               | 67    |      | 1.2  (40-140)       | 25                 |

| COMPOUND                     | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS(%) | QC Limit Of<br>RPD |
|------------------------------|-------------------------|------------------------------------|-------|------|--------------------|--------------------|
| n-Nonane (C9)                | 3.3                     | 2.15371                            | 65    |      | 0  (40-140)        | 25                 |
| n-Decane (C10)               | 3.3                     | 2.24227                            | 68    |      | 1.48  (40-140)     | 25                 |
| Naphthalene (C11.7)          | 3.3                     | 2.55080                            | 77    |      | 1.31  (40-140)     | 25                 |
| n-Dodecane (C12)             | 3.3                     | 2.37476                            | 72    |      | 1.4  (40-140)      | 25                 |
| 2-methylnaphthalene (C12.89) | 3.3                     | 2.42401                            | 73    |      | 1.38  (40-140)     | 25                 |
| n-Tetradecane (C14)          | 3.3                     | 2.49581                            | 76    |      | 1.32  (40-140)     | 25                 |
| n-Hexadecane (C16)           | 3.3                     | 2.46617                            | 75    |      | 1.34  (40-140)     | 25                 |
| n-Octadecane (C18)           | 3.3                     | 2.39308                            | 73    |      | 1.38  (40-140)     | 25                 |
| n-Eicosane (C20)             | 3.3                     | 2.41349                            | 73    |      | 1.38  (40-140)     | 25                 |
| n-Heneicosane (C21)          | 3.3                     | 2.38729                            | 72    |      | 0  (40-140)        | 25                 |
| n-Docosane (C22)             | 3.3                     | 2.30922                            | 70    |      | 1.44  (40-140)     | 25                 |
| n-Tetracosane (C24)          | 6.7                     | 4.69468                            | 70    |      | 1.44  (40-140)     | 25                 |
| n-Hexacosane (C26)           | 3.3                     | 2.11773                            | 64    |      | 0  (40-140)        | 25                 |
| n-Octacosane (C28)           | 3.3                     | 2.19343                            | 66    |      | 0  (40-140)        | 25                 |
| n-Tricontane (C30)           | 3.3                     | 1.98079                            | 60    |      | 3.39  (40-140)     | 25                 |
| n-Dotriacontane (C32)        | 3.3                     | 1.99356                            | 60    |      | 5.13  (40-140)     | 25                 |
| n-Tetratriacontane (C34)     | 3.3                     | 1.95620                            | 59    |      | 7.02  (40-140)     | 25                 |
| n-Hexatriacontane (C36)      | 3.3                     | 1.81874                            | 55    |      | 7.55  (40-140)     | 25                 |
| n-Octatriacontane (C38)      | 3.3                     | 1.62775                            | 49    |      | 4.17  (40-140)     | 25                 |
| n-Tetracontane (C40)         | 3.3                     | 1.50056                            | 45    |      | 4.55  (40-140)     | 25                 |