

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

|                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| <b>Lab Name:</b>   | <u>Alliance</u>    | <b>Client:</b>     | <u>HDR, Inc.</u>   |
| <b>Lab Code:</b>   | <u>ACE</u>         | <b>SDG No:</b>     | <u>Q3466</u>       |
| <b>Sample No :</b> | <u>PB170266BSD</u> | <b>Datafile:</b>   | <u>FC070062.D</u>  |
|                    |                    | <b>Client ID :</b> | <u>PB170266BSD</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                    | 28.8                               | 96    |      | 2.8  (40-140)       | 25                 |
| Aliphatic C9-C28  | 99.9                    | 70.8                               | 71    |      | 3  (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                     | 2.32995                            | 71    |      | 4.32  (40-140)     | 25                 |
| n-Decane (C10)               | 3.3                     | 2.42819                            | 74    |      | 4.14  (40-140)     | 25                 |
| Naphthalene (C11.7)          | 3.3                     | 2.61804                            | 79    |      | 2.56  (40-140)     | 25                 |
| n-Dodecane (C12)             | 3.3                     | 2.54076                            | 77    |      | 3.97  (40-140)     | 25                 |
| 2-methylnaphthalene (C12.89) | 3.3                     | 2.55783                            | 78    |      | 3.92  (40-140)     | 25                 |
| n-Tetradecane (C14)          | 3.3                     | 2.65714                            | 81    |      | 5.06  (40-140)     | 25                 |
| n-Hexadecane (C16)           | 3.3                     | 2.65385                            | 80    |      | 3.82  (40-140)     | 25                 |
| n-Octadecane (C18)           | 3.3                     | 2.63803                            | 80    |      | 3.82  (40-140)     | 25                 |
| n-Eicosane (C20)             | 3.3                     | 2.81023                            | 85    |      | 3.59  (40-140)     | 25                 |
| n-Heneicosane (C21)          | 3.3                     | 2.77478                            | 84    |      | 3.64  (40-140)     | 25                 |
| n-Docosane (C22)             | 3.3                     | 2.73499                            | 83    |      | 3.68  (40-140)     | 25                 |
| n-Tetracosane (C24)          | 6.7                     | 5.15029                            | 77    |      | 2.63  (40-140)     | 25                 |
| n-Hexacosane (C26)           | 3.3                     | 2.64638                            | 80    |      | 2.53  (40-140)     | 25                 |
| n-Octacosane (C28)           | 3.3                     | 2.62971                            | 80    |      | 3.82  (40-140)     | 25                 |
| n-Tricontane (C30)           | 3.3                     | 2.64328                            | 80    |      | 3.82  (40-140)     | 25                 |
| n-Dotriacontane (C32)        | 3.3                     | 2.73376                            | 83    |      | 3.68  (40-140)     | 25                 |
| n-Tetratriacontane (C34)     | 3.3                     | 3.14251                            | 95    |      | 3.21  (40-140)     | 25                 |
| n-Hexatriacontane (C36)      | 3.3                     | 3.45412                            | 105   |      | 3.88  (40-140)     | 25                 |
| n-Octatriacontane (C38)      | 3.3                     | 3.91055                            | 119   |      | 2.55  (40-140)     | 25                 |
| n-Tetracontane (C40)         | 3.3                     | 4.04431                            | 123   |      | 2.47  (40-140)     | 25                 |