

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

|                    |                    |                  |                               |                                                          |
|--------------------|--------------------|------------------|-------------------------------|----------------------------------------------------------|
| <b>Lab Name:</b>   | <u>Chemtech</u>    | <b>Client:</b>   | <u>Earth Engineering Inc.</u> |                                                          |
| <b>Lab Code:</b>   | <u>CHEM</u>        | <b>Cas No:</b>   | <u>Q2392</u>                  | <b>SAS No :</b> <u>Q2392</u> <b>SDG No:</b> <u>Q2392</u> |
| <b>Sample No :</b> | <u>PB168603BSD</u> | <b>Datafile:</b> | <u>FD049516.D</u>             | <b>Client ID :</b> <u>PB168603BSD</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 |
|------------------|-------------------------|------------------------------------|-------|------|-----------------|--------------------|
| Aromatic C10-C12 | 6.7                     | 5.07                               | 76    |      | 0.881  (40-140) | 25                 |
| Aromatic C12-C16 | 10                      | 8.21                               | 82    |      | 0.507  (40-140) | 25                 |
| Aromatic C16-C21 | 16.7                    | 15.2                               | 91    |      | 0.556  (40-140) | 25                 |
| Aromatic C21-C36 | 26.6                    | 25.8                               | 97    |      | 0.364  (40-140) | 25                 |

| COMPOUND                        | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS | QC Limit<br>Of RPD |
|---------------------------------|-------------------------|------------------------------------|-------|------|-----------------|--------------------|
| 1,2,3-Trimethylbenzene (C10.1)  | 3.3                     | 2.39852                            | 73    |      | 1.36  (40-140)  | 25                 |
| Naphthalene (C11.7)             | 3.3                     | 2.65370                            | 80    |      | 1.24  (40-140)  | 25                 |
| 2-Methylnaphthalene (C12.89)    | 3.3                     | 2.52071                            | 76    |      | 1.31  (40-140)  | 25                 |
| Acenaphthylene (C15.06)         | 3.3                     | 2.75583                            | 84    |      | 0  (40-140)     | 25                 |
| Acenaphthene (C15.5)            | 3.3                     | 2.92166                            | 89    |      | 0  (40-140)     | 25                 |
| Flouorene (C16.55)              | 3.3                     | 3.03608                            | 92    |      | 1.08  (40-140)  | 25                 |
| Phenanthrene (C19.36)           | 3.3                     | 3.02009                            | 92    |      | 0  (40-140)     | 25                 |
| Anthracene (C19.43)             | 3.3                     | 2.88465                            | 87    |      | 1.14  (40-140)  | 25                 |
| Fluoranthene (C21.85)           | 3.3                     | 3.10552                            | 94    |      | 1.06  (40-140)  | 25                 |
| Pyrene (C20.8)                  | 3.3                     | 3.09117                            | 94    |      | 1.06  (40-140)  | 25                 |
| Benzo[a]anthracene (C26.37)     | 3.3                     | 3.22780                            | 98    |      | 1.02  (40-140)  | 25                 |
| Chrysene (C27.41)               | 3.3                     | 3.43219                            | 104   |      | 0.96  (40-140)  | 25                 |
| benzo[b]fluoranthene (C30.41)   | 3.3                     | 3.26855                            | 99    |      | 1.01  (40-140)  | 25                 |
| Bnezo[k]fluoranthene (C30.14)   | 3.3                     | 3.40022                            | 103   |      | 0.97  (40-140)  | 25                 |
| Benzo[a]pyrene (C31.34)         | 3.3                     | 3.15023                            | 95    |      | 1.05  (40-140)  | 25                 |
| Indeno[1,2,3-cd]pyrene (C35.01) | 3.3                     | 3.57338                            | 108   |      | 0.92  (40-140)  | 25                 |
| Dibenz[a,h]anthracene (C30.36)  | 3.3                     | 3.09658                            | 94    |      | 0  (40-140)     | 25                 |
| Benzo[g,h,i]perylene (C34.01)   | 3.3                     | 3.09708                            | 94    |      | 0  (40-140)     | 25                 |