284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PSEG | Date Collected: | 04/01/25 |
| Project: | Harding (Morristown) Distribution Sub MA00006789 | Date Received: | 04/01/25 |
| Client Sample ID: | HR-02-040125 | SDG No.: | Q1685 |
| Lab Sample ID: | Q1685-01 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 76.5 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 04/02/25 08:00 | 04/03/25 10:19 | PB167427 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 65.8 | | 2 | 3.08 | 5.22 | mg/kg | FE053158.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 7.38 | | 1 | 1.19 | 5.23 | mg/kg | FE053138.D |
| Total AliphaticEPH | Total AliphaticEPH | 73.2 | | | 4.27 | 10.5 | mg/kg | |
| Total EPH | Total EPH | 73.2 | | | 4.27 | 10.5 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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| Prep Method : | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FE053138.D | 1 | 04/02/25 | 04/02/25 | PB167427 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 7.38 | | 1.19 | 5.23 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 59.4 | E | 1.54 | 2.61 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 31.6 | | 40 - 140 | 63% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 29.5 | | 40 - 140 | 59% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q1685-01 | Acq On: | 02 Apr 2025 17:48 |
| Client Sample ID: | HR-02-040125 | Operator: | YP\AJ |
| Data file: | FE053138.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 16 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.137 | 6.779 | 1033603 | 6.624 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.780 | 10.229 | 1642182 | 10.689 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.230 | 13.604 | 3182635 | 22.05 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.605 | 17.273 | 6095952 | 45.375 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.274 | 22.174 | 84818214 | 682.605 | 600 | ug/ml |
| Aliphatic EPH | 3.137 | 22.174 | 96772586 | 767.343 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.889 | 11.889 | 4808559 | 29.52 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.333 | 13.333 | 3799327 | 31.65 | | ug/ml |
| Aliphatic C9-C28 | 3.137 | 17.273 | 11954372 | 84.738 | 1200 | ug/ml |