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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PSEG | Date Collected: | 05/05/25 |
| Project: | Harding (Morristown) Distribution Sub MA00006789 | Date Received: | 05/05/25 |
| Client Sample ID: | HD-01-050525-E2 | SDG No.: | Q1962 |
| Lab Sample ID: | Q1962-02 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 83.6 |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 05/06/25 08:00 | 05/07/25 11:24 | PB167876 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 50.7 | | 2 | 2.82 | 4.78 | mg/kg | FE053688.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 4.07 | J | 1 | 1.09 | 4.77 | mg/kg | FE053679.D |
| Total AliphaticEPH | Total AliphaticEPH | 54.8 | | | 3.91 | 9.55 | mg/kg | |
| Total EPH | Total EPH | 54.8 | | | 3.91 | 9.55 | 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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# Report of Analysis

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|---|---|---|---|
| Client: | PSEG | Date Collected: | 05/05/25 |
| Project: | Harding (Morristown) Distribution Sub MA00006789 | Date Received: | 05/05/25 |
| Client Sample ID: | HD-01-050525-E2 | SDG No.: | Q1962 |
| Lab Sample ID: | Q1962-02 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 83.6 |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FE053679.D | 1 | 05/06/25 | 05/06/25 | PB167876 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 4.07 | J | 1.09 | 4.77 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 57.0 | E | 1.41 | 2.39 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 24.8 | | 40 - 140 | 50% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 23.0 | | 40 - 140 | 46% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q1962-02 | Acq On: | 06 May 2025 20:33 |
| Client Sample ID: | HD-01-050525-E2 | Operator: | YP\AJ |
| Data file: | FE053679.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 20 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.110 | 6.752 | 444559 | 3.208 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.753 | 10.201 | 2534076 | 17.87 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.202 | 13.575 | 1091088 | 7.506 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.576 | 17.244 | 3206820 | 22.556 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.245 | 22.131 | 92307822 | 715.292 | 600 | ug/ml |
| Aliphatic EPH | 3.110 | 22.131 | 99584365 | 766.432 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.864 | 11.864 | 4153063 | 23.03 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.310 | 13.310 | 3352762 | 24.8 | | ug/ml |
| Aliphatic C9-C28 | 3.110 | 17.244 | 7276543 | 51.14 | 1200 | ug/ml |