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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | PSEG | | | Date Collected: | 04/10/25 |
| Project: | PSEG 14th St | | | Date Received: | 04/10/25 |
| Client Sample ID: | WC-13 | | | SDG No.: | Q1781 |
| Lab Sample ID: | Q1781-01 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 82.2 |
| Sample Wt/Vol: | 30.07 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 04/11/25 09:40 | 04/11/25 17:12 | PB167562 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 9.94 | | 1 | 1.43 | 2.43 | mg/kg | FE053327.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 3.58 | J | 1 | 1.10 | 4.85 | mg/kg | FE053327.D |
| Total AliphaticEPH | Total AliphaticEPH | 13.5 | | | 2.54 | 7.28 | mg/kg | |
| Total EPH | Total EPH | 13.5 | | | 2.54 | 7.28 | 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: | 04/10/25 | |
| Project: | PSEG 14th St | | Date Received: | 04/10/25 | |
| Client Sample ID: | WC-13 | | SDG No.: | Q1781 | |
| Lab Sample ID: | Q1781-01 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 82.2 | |
| Sample Wt/Vol: | 30.07 | 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 |
|---|---|---|---|---|
| FE053327.D | 1 | 04/11/25 | 04/11/25 | PB167562 |

| CAS Number | Parameter | | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | | 3.58 | J | 1.10 | 4.85 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | | 9.94 | | 1.43 | 2.43 | mg/kg |
| **SURROGATES** | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | | 43.3 | | 40 - 140 | 87% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | | 41.1 | | 40 - 140 | 82% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q1781-01 | Acq On: | 11 Apr 2025 17:12 |
| Client Sample ID: | WC-13 | Operator: | YP\AJ |
| Data file: | FE053327.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 | 6.780 | 616334 | 3.95 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.781 | 10.230 | 1644197 | 10.702 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.231 | 13.608 | 1821266 | 12.618 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.609 | 17.279 | 2266945 | 16.874 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.280 | 22.185 | 15269580 | 122.887 | 600 | ug/ml |
| Aliphatic EPH | 3.137 | 22.185 | 21618322 | 167.032 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.891 | 11.891 | 6689297 | 41.07 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.335 | 13.335 | 5199098 | 43.31 | | ug/ml |
| Aliphatic C9-C28 | 3.137 | 17.279 | 6348742 | 44.144 | 1200 | ug/ml |