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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | PSEG | | | Date Collected: | 05/09/25 |
| Project: | Camden M&R | | | Date Received: | 05/09/25 |
| Client Sample ID: | 205510 | | | SDG No.: | Q2004 |
| Lab Sample ID: | Q2004-07 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 95.1 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 05/12/25 08:30 | 05/12/25 20:08 | PB167945 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 11.0 | | 1 | 1.24 | 2.10 | mg/kg | FC068838.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 3.83 | J | 1 | 0.96 | 4.20 | mg/kg | FC068838.D |
| Total AliphaticEPH | Total AliphaticEPH | 14.8 | | | 2.20 | 6.30 | mg/kg | |
| Total EPH | Total EPH | 14.8 | | | 2.20 | 6.30 | 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

| | | | | | |
|---|---|---|---|---|---|
| Client: | PSEG | | Date Collected: | 05/09/25 | |
| Project: | Camden M&R | | Date Received: | 05/09/25 | |
| Client Sample ID: | 205510 | | SDG No.: | Q2004 | |
| Lab Sample ID: | Q2004-07 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 95.1 | |
| Sample Wt/Vol: | 30.02 | 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 |
|---|---|---|---|---|
| FC068838.D | 1 | 05/12/25 | 05/12/25 | PB167945 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 3.83 | J | 0.96 | 4.20 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 11.0 | | 1.24 | 2.10 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 65.7 | | 40 - 140 | 131% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 58.9 | | 40 - 140 | 118% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2004-07 | Acq On: | 12 May 2025 20:08 |
| Client Sample ID: | 205510 | Operator: | YP/AJ |
| Data file: | FC068838.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 22 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.340 | 6.639 | 392619 | 3.961 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.640 | 10.038 | 871069 | 9.574 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.039 | 13.403 | 1839921 | 21.454 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.404 | 17.066 | 1636652 | 19.697 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.067 | 22.059 | 13271722 | 156.834 | 600 | ug/ml |
| Aliphatic EPH | 3.340 | 22.059 | 18011983 | 211.52 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.713 | 11.713 | 6726221 | 58.93 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.144 | 13.144 | 5272395 | 65.72 | | ug/ml |
| Aliphatic C9-C28 | 3.340 | 17.066 | 4740261 | 54.686 | 1200 | ug/ml |