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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PSEG | Date Collected: | 05/20/25 |
| Project: | Bergen Point Substation | Date Received: | 05/20/25 |
| Client Sample ID: | VNJ-202 | SDG No.: | Q2092 |
| Lab Sample ID: | Q2092-01 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 88.1 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 05/22/25 09:30 | 05/22/25 15:09 | PB168127 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 13.4 | | 1 | 1.34 | 2.27 | mg/kg | FE053975.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 465 | | 10 | 10.3 | 45.3 | mg/kg | FE053990.D |
| Total AliphaticEPH | Total AliphaticEPH | 478 | | | 11.7 | 47.5 | mg/kg | |
| Total EPH | Total EPH | 478 | | | 11.7 | 47.5 | 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

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PSEG | Date Collected: | 05/20/25 |
| Project: | Bergen Point Substation | Date Received: | 05/20/25 |
| Client Sample ID: | VNJ-202 | SDG No.: | Q2092 |
| Lab Sample ID: | Q2092-01 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 88.1 |
| Sample Wt/Vol: | 30.06 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 |
|---|---|---|---|---|
| FE053975.D | 1 | 05/22/25 | 05/22/25 | PB168127 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 453 | E | 1.03 | 4.53 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 13.4 | | 1.34 | 2.27 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 58.8 | | 40 - 140 | 118% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 53.1 | | 40 - 140 | 106% | SPK: 50 |

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

# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2092-01 | Acq On: | 22 May 2025 15:09 |
| Client Sample ID: | VNJ-202 | Operator: | YP\AJ |
| Data file: | FE053975.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 9 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.094 | 6.735 | 18427404 | 135.932 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.736 | 10.183 | 188168762 | 1390 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.184 | 13.557 | 358738192 | 2720 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.558 | 17.224 | 219023279 | 1760 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.225 | 22.098 | 20463400 | 177.278 | 600 | ug/ml |
| Aliphatic EPH | 3.094 | 22.098 | 804821037 | 6190 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.852 | 11.852 | 8624979 | 53.07 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.297 | 13.297 | 6965796 | 58.76 | | ug/ml |
| Aliphatic C9-C28 | 3.094 | 17.224 | 784357637 | 6010 | 1200 | ug/ml |