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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | PSEG | | Date Collected: | 09/10/25 | |
| Project: | Clifton HQ | | Date Received: | 09/10/25 | |
| Client Sample ID: | VNJ-242-EPH-2 | | SDG No.: | Q3066 | |
| Lab Sample ID: | Q3066-04 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 90.4 | |
| 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 |
|---|---|---|
| 09/11/25 10:00 | 09/12/25 8:46 | PB169650 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 139 | | 5 | 6.52 | 11.0 | mg/kg | FE055790.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 17.4 | | 1 | 1.01 | 4.41 | mg/kg | FE055775.D |
| Total AliphaticEPH | Total AliphaticEPH | 156 | | | 7.53 | 15.4 | mg/kg | |
| Total EPH | Total EPH | 156 | | | 7.53 | 15.4 | 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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| Project: | Clifton HQ | | Date Received: | 09/10/25 | |
| Client Sample ID: | VNJ-242-EPH-2 | | SDG No.: | Q3066 | |
| Lab Sample ID: | Q3066-04 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 90.4 | |
| 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 |
|---|---|---|---|---|
| FE055775.D | 1 | 09/11/25 | 09/11/25 | PB169650 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 17.4 | | 1.01 | 4.41 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 153 | E | 1.30 | 2.21 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 42.1 | | 40 - 140 | 84% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 40.4 | | 40 - 140 | 81% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3066-04 | Acq On: | 11 Sep 2025 18:12 |
| Client Sample ID: | VNJ-242-EPH-2 | Operator: | YP\AJ |
| Data file: | FE055775.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 | 3.313 | 6.946 | 1069778 | 8.331 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.947 | 10.398 | 2340447 | 17.324 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.399 | 13.776 | 4841979 | 33.574 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.777 | 17.448 | 25347158 | 176.961 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.449 | 22.459 | 287551133 | 2090 | 600 | ug/ml |
| Aliphatic EPH | 3.313 | 22.459 | 321150495 | 2320 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.076 | 12.076 | 6642146 | 40.43 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.512 | 13.512 | 5265855 | 42.11 | | ug/ml |
| Aliphatic C9-C28 | 3.313 | 17.448 | 33599362 | 236.19 | 1200 | ug/ml |