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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | PSEG | | | Date Collected: | 08/05/25 |
| Project: | Bridgewater Switch | | | Date Received: | 08/05/25 |
| Client Sample ID: | RT3826-E2 | | | SDG No.: | Q2774 |
| Lab Sample ID: | Q2774-08 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 82.7 |
| Sample Wt/Vol: | 30.01 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 08/06/25 09:25 | 08/07/25 11:54 | PB169139 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 124 | | 5 | 7.13 | 12.1 | mg/kg | FE055173.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 337 | | 5 | 5.50 | 24.2 | mg/kg | FE055173.D |
| Total AliphaticEPH | Total AliphaticEPH | 461 | | | 12.6 | 36.3 | mg/kg | |
| Total EPH | Total EPH | 461 | | | 12.6 | 36.3 | 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: | Bridgewater Switch | | Date Received: | 08/05/25 | |
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| Sample Wt/Vol: | 30.01 | 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 |
|---|---|---|---|---|
| FE055155.D | 1 | 08/06/25 | 08/06/25 | PB169139 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 294 | E | 1.10 | 4.84 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 111 | E | 1.43 | 2.42 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 34.8 | | 40 - 140 | 70% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 30.9 | | 40 - 140 | 62% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2774-08 | Acq On: | 06 Aug 2025 18:07 |
| Client Sample ID: | RT3826-E2 | Operator: | YP\AJ |
| Data file: | FE055155.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 18 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.325 | 6.958 | 681647 | 5.837 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.959 | 10.409 | 26871658 | 214.583 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.410 | 13.787 | 260042148 | 2060 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.788 | 17.457 | 166748132 | 1380 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.458 | 22.476 | 158023391 | 1390 | 600 | ug/ml |
| Aliphatic EPH | 3.325 | 22.476 | 612366976 | 5050 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.088 | 12.088 | 4416519 | 30.93 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.524 | 13.524 | 3744213 | 34.82 | | ug/ml |
| Aliphatic C9-C28 | 3.325 | 17.457 | 454343585 | 3660 | 1200 | ug/ml |