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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PSEG | Date Collected: | 04/25/25 |
| Project: | GW South OP Pole | Date Received: | 04/25/25 |
| Client Sample ID: | WC-2-EPH | SDG No.: | Q1900 |
| Lab Sample ID: | Q1900-06 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 85 |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 04/28/25 10:25 | 04/28/25 22:40 | PB167768 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 4.69 | | 1 | 1.38 | 2.35 | mg/kg | FE053558.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 7.28 | | 1 | 1.07 | 4.68 | mg/kg | FE053558.D |
| Total AliphaticEPH | Total AliphaticEPH | 12.0 | | | 2.45 | 7.03 | mg/kg | |
| Total EPH | Total EPH | 12.0 | | | 2.45 | 7.03 | 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: | 04/25/25 | |
| Project: | GW South OP Pole | | Date Received: | 04/25/25 | |
| Client Sample ID: | WC-2-EPH | | SDG No.: | Q1900 | |
| Lab Sample ID: | Q1900-06 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 85 | |
| Sample Wt/Vol: | 30.09 | 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 |
|---|---|---|---|---|
| FE053558.D | 1 | 04/28/25 | 04/28/25 | PB167768 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 7.28 | | 1.07 | 4.68 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 4.69 | | 1.38 | 2.35 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 31.6 | | 40 - 140 | 63% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 27.5 | | 40 - 140 | 55% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q1900-06 | Acq On: | 28 Apr 2025 22:40 |
| Client Sample ID: | WC-2-EPH | Operator: | YP\AJ |
| Data file: | FE053558.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 24 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.119 | 6.761 | 390044 | 2.815 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.762 | 10.211 | 1350629 | 9.524 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.212 | 13.587 | 4944675 | 34.016 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.588 | 17.257 | 6636730 | 46.68 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.258 | 22.153 | 7734458 | 59.934 | 600 | ug/ml |
| Aliphatic EPH | 3.119 | 22.153 | 21056536 | 152.97 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.871 | 11.871 | 4967268 | 27.54 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.316 | 13.316 | 4268721 | 31.58 | | ug/ml |
| Aliphatic C9-C28 | 3.119 | 17.257 | 13322078 | 93.035 | 1200 | ug/ml |