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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PSEG | Date Collected: | 04/11/25 |
| Project: | NJPAC Copperman | Date Received: | 04/11/25 |
| Client Sample ID: | WC-1-EPH | SDG No.: | Q1788 |
| Lab Sample ID: | Q1788-02 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 83.9 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 04/14/25 08:38 | 04/15/25 9:08 | PB167574 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 58.6 | | 2 | 2.81 | 4.76 | mg/kg | FE053360.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 69.9 | | 1 | 1.08 | 4.76 | mg/kg | FE053346.D |
| Total AliphaticEPH | Total AliphaticEPH | 129 | | | 3.89 | 9.52 | mg/kg | |
| Total EPH | Total EPH | 129 | | | 3.89 | 9.52 | 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

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| Client: | PSEG | | Date Collected: | 04/11/25 | |
| Project: | NJPAC Copperman | | Date Received: | 04/11/25 | |
| Client Sample ID: | WC-1-EPH | | SDG No.: | Q1788 | |
| Lab Sample ID: | Q1788-02 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 83.9 | |
| Sample Wt/Vol: | 30.03 | 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 |
|---|---|---|---|---|
| FE053346.D | 1 | 04/14/25 | 04/14/25 | PB167574 |

| CAS Number | Parameter | | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | | 69.9 | | 1.08 | 4.76 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | | 52.6 | E | 1.41 | 2.38 | mg/kg |
| **SURROGATES** | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | | 49.1 | | 40 - 140 | 98% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | | 34.8 | | 40 - 140 | 70% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q1788-02 | Acq On: | 14 Apr 2025 17:03 |
| Client Sample ID: | WC-1-EPH | Operator: | YP\AJ |
| Data file: | FE053346.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 15 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.133 | 6.775 | 842719 | 5.401 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.776 | 10.227 | 3073454 | 20.005 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.228 | 13.605 | 50344858 | 348.8 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.606 | 17.276 | 67993301 | 506.1 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.277 | 22.185 | 82281124 | 662.187 | 600 | ug/ml |
| Aliphatic EPH | 3.133 | 22.185 | 204535456 | 1540 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.892 | 11.892 | 5660487 | 34.75 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.338 | 13.338 | 5896405 | 49.12 | | ug/ml |
| Aliphatic C9-C28 | 3.133 | 17.276 | 122254332 | 880.306 | 1200 | ug/ml |