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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PSEG | Date Collected: | 05/29/25 |
| Project: | Oakland Gas and Appliance Service MA00006789 | Date Received: | 05/29/25 |
| Client Sample ID: | OK-02-05292025 | SDG No.: | Q2152 |
| Lab Sample ID: | Q2152-01 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 88 |
| 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 |
|---|---|---|
| 05/30/25 08:00 | 06/03/25 8:13 | PB168210 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 53.0 | | 5 | 6.69 | 11.3 | mg/kg | FE054143.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 15.1 | | 1 | 1.03 | 4.53 | mg/kg | FE054105.D |
| Total AliphaticEPH | Total AliphaticEPH | 68.1 | | | 7.72 | 15.8 | mg/kg | |
| Total EPH | Total EPH | 68.1 | | | 7.72 | 15.8 | 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: | Oakland Gas and Appliance Service MA00006789 | Date Received: | 05/29/25 |
| Client Sample ID: | OK-02-05292025 | SDG No.: | Q2152 |
| Lab Sample ID: | Q2152-01 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 88 |
| 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 |
|---|---|---|---|---|
| FE054105.D | 1 | 05/30/25 | 05/30/25 | PB168210 |

| CAS Number | Parameter | | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | | 15.1 | | 1.03 | 4.53 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | | 53.7 | E | 1.34 | 2.27 | mg/kg |
| **SURROGATES** | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | | 31.7 | | 40 - 140 | 63% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | | 27.1 | | 40 - 140 | 54% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2152-01 | Acq On: | 30 May 2025 18:33 |
| Client Sample ID: | OK-02-05292025 | Operator: | YP\AJ |
| Data file: | FE054105.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 19 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.091 | 6.737 | 312909 | 2.308 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.738 | 10.186 | 2337711 | 17.324 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.187 | 13.562 | 12131301 | 91.966 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.563 | 17.233 | 10909722 | 87.856 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.234 | 22.117 | 81991620 | 710.31 | 600 | ug/ml |
| Aliphatic EPH | 3.091 | 22.117 | 107683263 | 909.764 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.840 | 11.840 | 4399436 | 27.07 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.285 | 13.285 | 3757409 | 31.69 | | ug/ml |
| Aliphatic C9-C28 | 3.091 | 17.233 | 25691643 | 199.454 | 1200 | ug/ml |