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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PSEG | Date Collected: | 11/09/24 |
| Project: | Bergen Point 69kV - 4KV-13KV Conversion Project OP | Date Received: | 11/09/24 |
| Client Sample ID: | BF-F13-EPH | SDG No.: | P4807 |
| Lab Sample ID: | P4807-10 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 89.6 |
| 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 |
|---|---|---|
| 11/12/24 10:40 | 11/12/24 16:50 | PB164909 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 2.23 | U | 1 | 2.01 | 2.23 | mg/kg | FG014749.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 4.45 | U | 1 | 1.92 | 4.45 | mg/kg | FG014749.D |
| Total AliphaticEPH | Total AliphaticEPH | 6.68 | U | | 3.93 | 6.68 | mg/kg | |
| Total EPH | Total EPH | 6.68 | U | | 3.93 | 6.68 | 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: | Bergen Point 69kV - 4KV-13KV Conversion Project OP | Date Received: | 11/09/24 |
| Client Sample ID: | BF-F13-EPH | SDG No.: | P4807 |
| Lab Sample ID: | P4807-10 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 89.6 |
| 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 |
|---|---|---|---|---|
| FG014749.D | 1 | 11/12/24 | 11/12/24 | PB164909 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 0.000 | U | 1.92 | 4.45 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 2.23 | U | 2.01 | 2.23 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 28.0 | | 40 - 140 | 56% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 28.9 | | 40 - 140 | 58% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | P4807-10 | Acq On: | 12 Nov 2024 16:50 |
| Client Sample ID: | BF-F13-EPH | Operator: | YP\AJ |
| Data file: | FG014749.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 19 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.223 | 6.843 | 204472 | 1.557 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.844 | 10.287 | 334023 | 2.459 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.288 | 13.658 | 505925 | 3.582 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.659 | 17.324 | 631953 | 4.495 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.325 | 22.256 | 407034 | 3.851 | 600 | ug/ml |
| Aliphatic EPH | 3.223 | 22.256 | 2083407 | 15.944 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.950 | 11.950 | 4437177 | 28.95 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.389 | 13.389 | 3441968 | 28.03 | | ug/ml |
| Aliphatic C9-C28 | 3.223 | 17.324 | 1676373 | 12.093 | 1200 | ug/ml |