

Report of Analysis

| | | | |
|--------------------|----------------------------|-----------------|----------------------|
| Client: | PSEG | Date Collected: | |
| Project: | Waldwick Switching Station | Date Received: | |
| Client Sample ID: | PB169265BSD | SDG No.: | Q2870 |
| Lab Sample ID: | PB169265BSD | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| | | |
|----------------|-----------------|---------------|
| Prep Date : | Date Analyzed : | Prep Batch ID |
| 08/15/25 09:30 | 08/15/25 17:30 | PB169265 |

Datafile

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| TARGETS | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 29.0 | | 1 | 1.18 | 2.00 | mg/kg | FC069678.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 74.4 | | 1 | 0.91 | 3.99 | mg/kg | FC069678.D |
| Total AliphaticEPH | Total AliphaticEPH | 103 | | | 2.09 | 5.99 | mg/kg | |
| Total EPH | Total EPH | 103 | | | 2.09 | 5.99 | 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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|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
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| Aliphatic C9-C28 | Aliphatic C9-C28 | 74.4 | | 1 | 0.91 | 3.99 | mg/kg FC069678.D |
| Total AliphaticEPH | Total AliphaticEPH | 103 | | | 2.09 | 5.99 | mg/kg |
| Total EPH | Total EPH | 103 | | | 2.09 | 5.99 | mg/kg |

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| Lab Sample ID: | PB169265BSD | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 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 |
| FC069678.D | 1 | 08/15/25 | 08/15/25 | PB169265 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| TARGETS | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 74.4 | | 0.91 | 3.99 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 29.0 | | 1.18 | 2.00 | mg/kg |
| SURROGATES | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 46.1 | | 40 - 140 | 92% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 43.5 | | 40 - 140 | 87% | SPK: 50 |

Quantitation Report For Aliphatic EPH Range.

| | | | |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID: | PB169265BSD | Acq On: | 15 Aug 2025 17:30 |
| Client Sample ID: | PB169265BSD | Operator: | YP/AJ |
| Data file: | FC069678.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 13 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12 | 3.295 | 6.590 | 30189961 | 208.668 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.591 | 9.994 | 37234285 | 259.59 | 200 | ug/ml |
| Aliphatic C16-C21 | 9.995 | 13.363 | 38975149 | 291.815 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.364 | 17.027 | 42237325 | 357.012 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.028 | 21.999 | 41554816 | 435.973 | 600 | ug/ml |
| Aliphatic EPH | 3.295 | 21.999 | 190191536 | 1550 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.663 | 11.663 | 6483186 | 43.46 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.098 | 13.098 | 5021488 | 46.06 | | ug/ml |
| Aliphatic C9-C28 | 3.295 | 17.027 | 148636720 | 1120 | 1200 | ug/ml |