

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | PSEG                   | Date Collected: | 04/21/25             |
| Project:           | Lawrenceville HQ       | Date Received:  | 04/21/25             |
| Client Sample ID:  | ETGI-275DL             | SDG No.:        | Q1848                |
| Lab Sample ID:     | Q1848-03DL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 85.9                 |
| Sample Wt/Vol:     | 30.08      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 |
| FG015749.D | 5         | 04/22/25    | 04/23/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 107   |           | 5.29     | 23.2       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 107   |           | 6.85     | 11.6       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 8.42  |           | 40 - 140 | 84%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 5.80  |           | 40 - 140 | 58%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1848-03DL | Acq On:            | 23 Apr 2025 08:42 |
| Client Sample ID: | Q1848-03DL | Operator:          | YP\AJ             |
| Data file:        | FG015749.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 21                |
| Dilution Factor:  | 5          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.142  | 6.784  | 33408    | 0.296   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.785  | 10.234 | 520423   | 4.508   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.235 | 13.610 | 5260781  | 44.221  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.611 | 17.281 | 26184566 | 231.534 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.282 | 22.192 | 27325725 | 276.975 | 600              | ug/ml |
| Aliphatic EPH             | 3.142  | 22.192 | 59324903 | 557.535 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.897 | 11.897 | 841315   | 5.8     |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.342 | 13.342 | 890863   | 8.42    |                  | ug/ml |
| Aliphatic C9-C28          | 3.142  | 17.281 | 31999178 | 280.559 | 1200             | ug/ml |