

## Report of Analysis

|                    |                  |                 |          |
|--------------------|------------------|-----------------|----------|
| Client:            | PSEG             | Date Collected: | 06/27/25 |
| Project:           | Lawrenceville HQ | Date Received:  | 06/27/25 |
| Client Sample ID:  | COMP-2           | SDG No.:        | Q2447    |
| Lab Sample ID:     | Q2447-04         | Matrix:         | Solid    |
| Analytical Method: | NJEPH            | % Solid:        | 66.8     |
| Sample Wt/Vol:     | 30.02            | Units:          | g        |
| Soil Aliquot Vol:  |                  |                 | uL       |
| Prep Method :      |                  | Final Vol:      | 2000     |
|                    |                  | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 06/30/25 08:50 | 06/30/25 16:24  | PB168656      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 57.5  |           | 1        | 1.77 | 2.99       | mg/kg             | FE054630.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 6190  |           | 100      | 136  | 597        | mg/kg             | FE054649.D |
| Total AliphaticEPH | Total AliphaticEPH | 6250  |           |          | 138  | 600        | mg/kg             |            |
| Total EPH          | Total EPH          | 6250  |           |          | 138  | 600        | 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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| Lab Sample ID:     | Q2447-04               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 66.8                 |
| 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 |
| FE054630.D | 1         | 06/30/25    | 06/30/25        | PB168656      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 5210  | E         | 1.36     | 5.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 57.5  |           | 1.77     | 2.99       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2447-04   | Acq On:            | 30 Jun 2025 16:24 |
| Client Sample ID: | COMP-2     | Operator:          | YP\AJ             |
| Data file:        | FE054630.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 13                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response   | Conc    | highest_standard | Units |
|---------------------------|--------|--------|------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.322  | 6.949  | 6433470    | 47.286  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.950  | 10.397 | 1051476882 | 7480    | 200              | ug/ml |
| Aliphatic C16-C21         | 10.398 | 13.771 | 4679993261 | 32400   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.772 | 17.439 | 1782257362 | 12300   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.440 | 22.445 | 79885381   | 576.176 | 600              | ug/ml |
| Aliphatic EPH             | 3.322  | 22.445 | 7600046356 | 52800   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| Aliphatic C9-C28          | 3.322  | 17.439 | 7520160975 | 52300   | 1200             | ug/ml |