

## Report of Analysis

|                    |                   |                 |          |
|--------------------|-------------------|-----------------|----------|
| Client:            | PSEG              | Date Collected: | 06/27/25 |
| Project:           | PSEG Bergen Point | Date Received:  | 06/27/25 |
| Client Sample ID:  | EP-2              | SDG No.:        | Q2452    |
| Lab Sample ID:     | Q2452-05          | Matrix:         | Solid    |
| Analytical Method: | NJEPH             | % Solid:        | 87       |
| Sample Wt/Vol:     | 30.05             | 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 18:57  | PB168656      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 34.2  |           | 1        | 1.35 | 2.30       | mg/kg             |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 5.20  |           | 1        | 1.04 | 4.59       | mg/kg             |
| Total AliphaticEPH | Total AliphaticEPH | 39.4  |           |          | 2.39 | 6.89       | mg/kg             |
| Total EPH          | Total EPH          | 39.4  |           |          | 2.39 | 6.89       | 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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| Client Sample ID:  | EP-2              | SDG No.:        | Q2452    |
| Lab Sample ID:     | Q2452-05          | Matrix:         | Solid    |
| Analytical Method: | NJEPH             | % Solid:        | 87       |
| Sample Wt/Vol:     | 30.05             | Units:          | g        |
| Soil Aliquot Vol:  |                   | Final Vol:      | 2000 uL  |
| Prep Method :      |                   | Test:           | EPH_NF   |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE054635.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          | 5.20  |           | 1.04     | 4.59       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 34.2  |           | 1.35     | 2.30       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 32.6  |           | 40 - 140 | 65%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 32.3  |           | 40 - 140 | 65%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2452-05   | Acq On:            | 30 Jun 2025 18:57 |
| Client Sample ID: | EP-2       | Operator:          | YP\AJ             |
| Data file:        | FE054635.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 18                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.322  | 6.949  | 4085732  | 30.03   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.950  | 10.397 | 1174936  | 8.358   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.398 | 13.771 | 1845733  | 12.783  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.772 | 17.439 | 2422523  | 16.747  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.440 | 22.445 | 61938487 | 446.734 | 600              | ug/ml |
| Aliphatic EPH             | 3.322  | 22.445 | 71467411 | 514.652 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.073 | 12.073 | 5240827  | 32.27   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.508 | 13.508 | 4113836  | 32.57   |                  | ug/ml |
| Aliphatic C9-C28          | 3.322  | 17.439 | 9528924  | 67.918  | 1200             | ug/ml |