

## Report of Analysis

|                    |                                         |                 |         |
|--------------------|-----------------------------------------|-----------------|---------|
| Client:            | PSEG                                    | Date Collected: |         |
| Project:           | PSEG Bergen Point Relocate - Greenville | Date Received:  |         |
| Client Sample ID:  | TP-16MSD                                | SDG No.:        | Q2586   |
| Lab Sample ID:     | Q2586-01MSD                             | Matrix:         | Solid   |
| Analytical Method: | NJEPH                                   | % Solid:        | 89.9    |
| Sample Wt/Vol:     | 30.04                                   | Units:          | g       |
| Soil Aliquot Vol:  |                                         | Final Vol:      | 2000 uL |
| Prep Method :      |                                         | Test:           | EPH_NF  |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 07/14/25 09:40 | 07/14/25 20:16  | PB168833      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Total AliphaticEPH | Total AliphaticEPH | 152   |           |          | 2.32 | 6.66       | mg/kg             |
| Total EPH          | Total EPH          | 152   |           |          | 2.32 | 6.66       | 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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| Sample Wt/Vol:     | 30.04      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 |
| FC069440.D | 1         | 07/14/25    | 07/14/25        | PB168833      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 101   | E         | 1.01     | 4.44       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 51.1  | E         | 1.31     | 2.22       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 25.0  |           | 40 - 140 | 50%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 22.6  |           | 40 - 140 | 45%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q2586-01MSD | Acq On:            | 14 Jul 2025 20:16 |
| Client Sample ID: | Q2586-01MSD | Operator:          | YP/AJ             |
| Data file:        | FC069440.D  | Misc:              |                   |
| Instrument:       | FID_C       | ALS Vial:          | 17                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.301  | 6.600  | 31163720  | 212.461 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.601  | 10.004 | 47590726  | 298.917 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.005 | 13.372 | 57146891  | 370.04  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.373 | 17.036 | 64330707  | 480.2   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.037 | 22.012 | 63549033  | 689.817 | 600              | ug/ml |
| Aliphatic EPH             | 3.301  | 22.012 | 263781077 | 2050    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.671 | 11.671 | 3904346   | 22.6    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.106 | 13.106 | 3260226   | 24.96   |                  | ug/ml |
| Aliphatic C9-C28          | 3.301  | 17.036 | 200232044 | 1360    | 1200             | ug/ml |