

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | PSEG                | Date Collected: | 04/28/25     |
| Project:           | GW South OP Pole    | Date Received:  | 04/28/25     |
| Client Sample ID:  | WC-6-EPH            | SDG No.:        | Q1906        |
| Lab Sample ID:     | Q1906-10            | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 84.3         |
| 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 |
| 04/29/25 09:05 | 04/29/25 18:44  | PB167778      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 8.34  |           | 1        | 1.40 | 2.37       | mg/kg             | FE053576.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 5.97  |           | 1        | 1.08 | 4.75       | mg/kg             | FE053576.D |
| Total AliphaticEPH | Total AliphaticEPH | 14.3  |           |          | 2.48 | 7.12       | mg/kg             |            |
| Total EPH          | Total EPH          | 14.3  |           |          | 2.48 | 7.12       | 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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| Project:           | GW South OP Pole       | Date Received:  | 04/28/25             |
| Client Sample ID:  | WC-6-EPH               | SDG No.:        | Q1906                |
| Lab Sample ID:     | Q1906-10               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 84.3                 |
| 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 |
| FE053576.D | 1         | 04/29/25    | 04/29/25        | PB167778      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 5.97  |           | 1.08     | 4.75       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 8.34  |           | 1.40     | 2.37       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 24.1  |           | 40 - 140 | 48%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 22.4  |           | 40 - 140 | 45%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1906-10   | Acq On:            | 29 Apr 2025 18:44 |
| Client Sample ID: | WC-6-EPH   | Operator:          | YP\AJ             |
| Data file:        | FE053576.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 21                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.116  | 6.759  | 282111   | 2.036   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.760  | 10.208 | 1085920  | 7.658   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.209 | 13.583 | 3492099  | 24.023  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.584 | 17.253 | 6244153  | 43.919  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.254 | 22.144 | 13624862 | 105.579 | 600              | ug/ml |
| Aliphatic EPH             | 3.116  | 22.144 | 24729145 | 183.215 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.868 | 11.868 | 4033706  | 22.36   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.313 | 13.313 | 3255209  | 24.08   |                  | ug/ml |
| Aliphatic C9-C28          | 3.116  | 17.253 | 11104283 | 77.636  | 1200             | ug/ml |