

## Report of Analysis

|                    |                     |                 |          |
|--------------------|---------------------|-----------------|----------|
| Client:            | PSEG                | Date Collected: | 11/14/25 |
| Project:           | PSEG Hillsdale SGMO | Date Received:  | 11/14/25 |
| Client Sample ID:  | VNJ-212             | SDG No.:        | Q3647    |
| Lab Sample ID:     | Q3647-01            | Matrix:         | Solid    |
| Analytical Method: | NJEPH               | % Solid:        | 95.2     |
| Sample Wt/Vol:     | 30.04 g             | Test:           | EPH_NF   |
| Prep Method :      |                     | Final Vol:      | 2000 uL  |
|                    |                     | Prep Date :     | 11/17/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.     | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|---------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |               |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 8.99  |      | 1  | 1.24 | 2.10       | mg/kg | FE056889.D | 11/18/25 1:43 | PB170578     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 6.43  |      | 1  | 0.95 | 4.20       | mg/kg | FE056889.D | 11/18/25 1:43 | PB170578     |
| Total AliphaticEPH | Total AliphaticEPH | 15.4  |      |    | 2.19 | 6.30       | mg/kg |            |               |              |
| Total EPH          | Total EPH          | 15.4  |      |    | 2.19 | 6.30       | 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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| Project:           | PSEG Hillsdale SGMO | Date Received:  | 11/14/25 |
| Client Sample ID:  | VNJ-212             | SDG No.:        | Q3647    |
| Lab Sample ID:     | Q3647-01            | Matrix:         | Solid    |
| Analytical Method: | NJEPH               | % Solid:        | 95.2     |
| Sample Wt/Vol:     | 30.04 g             | Final Vol:      | 2000 uL  |
| Prep Method :      |                     | Prep Date       | 11/17/25 |
|                    |                     | Test:           | EPH_NF   |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 6.43  | 1    |    | 0.95     | 4.20       | mg/kg   | 11/18/25  | PB170578     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 8.99  | 1    |    | 1.24     | 2.10       | mg/kg   | 11/18/25  | PB170578     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 32.9  |      |    | 40 - 140 | 66%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 39.2  |      |    | 40 - 140 | 78%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3647-01   | Acq On:            | 18 Nov 2025 01:43 |
| Client Sample ID: | VNJ-212    | Operator:          | YP\AJ             |
| Data file:        | FE056889.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 30                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.213  | 6.836  | 483370   | 2.824   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.837  | 10.281 | 454822   | 2.544   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.282 | 13.655 | 16170410 | 86.702  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.656 | 17.323 | 811620   | 4.21    | 400              | ug/ml |
| Aliphatic C28-C40         | 17.324 | 22.257 | 20474036 | 128.513 | 600              | ug/ml |
| Aliphatic EPH             | 3.213  | 22.257 | 38394258 | 224.794 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.951 | 11.951 | 8195061  | 39.23   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.388 | 13.388 | 5293175  | 32.85   |                  | ug/ml |
| Aliphatic C9-C28          | 3.213  | 17.323 | 17920222 | 96.28   | 1200             | ug/ml |