

## Report of Analysis

|                    |                       |                 |          |
|--------------------|-----------------------|-----------------|----------|
| Client:            | PSEG                  | Date Collected: | 11/21/25 |
| Project:           | PSEG Orange Gas       | Date Received:  | 11/21/25 |
| Client Sample ID:  | COMPRESSOR-EXCAVATION | SDG No.:        | Q3710    |
| Lab Sample ID:     | Q3710-03              | Matrix:         | Solid    |
| Analytical Method: | NJEPH                 | % Solid:        | 89.3     |
| Sample Wt/Vol:     | 30.05 g               | Test:           | EPH_NF   |
| Prep Method :      |                       | Final Vol:      | 2000 uL  |
|                    |                       | Prep Date :     | 11/24/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 15.4  |      | 1  | 1.32 | 2.24       | mg/kg | FE057009.D | 11/24/25 20:14 | PB170707     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.04  | J    | 1  | 1.02 | 4.47       | mg/kg | FE057009.D | 11/24/25 20:14 | PB170707     |
| Total AliphaticEPH | Total AliphaticEPH | 17.4  |      |    | 2.34 | 6.71       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 17.4  |      |    | 2.34 | 6.71       | 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:     | Q3710-03              | Matrix:         | Solid    |
| Analytical Method: | NJEPH                 | % Solid:        | 89.3     |
| Sample Wt/Vol:     | 30.05 g               | Final Vol:      | 2000 uL  |
| Prep Method :      |                       | Prep Date       | 11/24/25 |
|                    |                       | 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          | 2.04  | J    | 1  | 1.02     | 4.47       | mg/kg   | 11/24/25  | PB170707     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 15.4  |      | 1  | 1.32     | 2.24       | mg/kg   | 11/24/25  | PB170707     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 16.8  |      |    | 40 - 140 | 34%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 19.9  |      |    | 40 - 140 | 40%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | Q3710-03           | Acq On:            | 24 Nov 2025 20:14 |
| Client Sample ID: | COMPRESSOR-EXCAVAI | Operator:          | YP\AJ             |
| Data file:        | FE057009.D         | Misc:              |                   |
| Instrument:       | FID_E              | ALS Vial:          | 22                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.204  | 6.829  | 499675   | 2.919   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.830  | 10.275 | 877241   | 4.908   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.276 | 13.649 | 1334751  | 7.157   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.650 | 17.319 | 2380771  | 12.351  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.320 | 22.252 | 32829462 | 206.067 | 600              | ug/ml |
| Aliphatic EPH             | 3.204  | 22.252 | 37921900 | 233.401 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.942 | 11.942 | 4165583  | 19.94   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.379 | 13.379 | 2702206  | 16.77   |                  | ug/ml |
| Aliphatic C9-C28          | 3.204  | 17.319 | 5092438  | 27.335  | 1200             | ug/ml |