

## Report of Analysis

|                    |            |                 |          |
|--------------------|------------|-----------------|----------|
| Client:            | PSEG       | Date Collected: | 09/26/25 |
| Project:           | Orange Gas | Date Received:  | 09/26/25 |
| Client Sample ID:  | WC-4       | SDG No.:        | Q3231    |
| Lab Sample ID:     | Q3231-13   | Matrix:         | Solid    |
| Analytical Method: | NJEPH      | % Solid:        | 89.4     |
| 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 |
| 09/29/25 09:50 | 09/30/25 5:05   | PB169891      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 42.8  |           | 1        | 1.32 | 2.23       | mg/kg FE056071.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 76.8  |           | 1        | 1.02 | 4.47       | mg/kg FE056071.D  |
| Total AliphaticEPH | Total AliphaticEPH | 120   |           |          | 2.34 | 6.70       | mg/kg             |
| Total EPH          | Total EPH          | 120   |           |          | 2.34 | 6.70       | 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:     | Q3231-13   | Matrix:         | Solid    |
| Analytical Method: | NJEPH      | % Solid:        | 89.4     |
| 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 |
| FE056071.D | 1         | 09/29/25    | 09/30/25        | PB169891      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 76.8  |           | 1.02     | 4.47       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 42.8  |           | 1.32     | 2.23       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 33.2  |           | 40 - 140 | 66%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 26.8  |           | 40 - 140 | 54%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3231-13   | Acq On:            | 30 Sep 2025 05:05 |
| Client Sample ID: | WC-4       | Operator:          | YP\AJ             |
| Data file:        | FE056071.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 42                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.315  | 6.946  | 2074665   | 14.816  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.947  | 10.396 | 25529590  | 166.45  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.397 | 13.773 | 71994659  | 434.017 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.774 | 17.443 | 61827785  | 416.273 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.444 | 22.449 | 78327733  | 574.874 | 600              | ug/ml |
| Aliphatic EPH             | 3.315  | 22.449 | 239754432 | 1610    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.079 | 12.079 | 5033079   | 26.82   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.513 | 13.513 | 4629118   | 33.17   |                  | ug/ml |
| Aliphatic C9-C28          | 3.315  | 17.443 | 161426699 | 1030    | 1200             | ug/ml |