

## Report of Analysis

|                    |            |                 |        |
|--------------------|------------|-----------------|--------|
| Client:            | PSEG       | Date Collected: |        |
| Project:           | Orange Gas | Date Received:  |        |
| Client Sample ID:  | PB169891BL | SDG No.:        | Q3231  |
| Lab Sample ID:     | PB169891BL | Matrix:         | Solid  |
| Analytical Method: | NJEPH      | % Solid:        | 100    |
| Sample Wt/Vol:     | 30.02      | Units:          | g      |
| Soil Aliquot Vol:  |            |                 | uL     |
| Prep Method :      |            | Test:           | EPH_NF |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 09/29/25 09:50 | 09/29/25 17:35  | PB169891      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.00  | U         | 1        | 1.18 | 2.00       | mg/kg             | FG016687.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 3.99  | U         | 1        | 0.91 | 3.99       | mg/kg             | FG016687.D |
| Total AliphaticEPH | Total AliphaticEPH | 5.99  | U         |          | 2.09 | 5.99       | mg/kg             |            |
| Total EPH          | Total EPH          | 5.99  | U         |          | 2.09 | 5.99       | 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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|                    |            |                 |        |
|--------------------|------------|-----------------|--------|
| Client:            | PSEG       | Date Collected: |        |
| Project:           | Orange Gas | Date Received:  |        |
| Client Sample ID:  | PB169891BL | SDG No.:        | Q3231  |
| Lab Sample ID:     | PB169891BL | Matrix:         | Solid  |
| Analytical Method: | NJEPH      | % Solid:        | 100    |
| Sample Wt/Vol:     | 30.02      | Units:          | g      |
| Soil Aliquot Vol:  |            |                 | uL     |
| Prep Method :      |            | Test:           | EPH_NF |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 09/29/25 08:00 | 09/29/25 17:35  | PB169891      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.18  | U         | 1        | 1.18 | 2.00       | mg/kg             | FG016687.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 0.91  | U         | 1        | 0.91 | 3.99       | mg/kg             | FG016687.D |
| Total AliphaticEPH | Total AliphaticEPH | 2.09  | U         |          | 2.09 | 5.99       | mg/kg             |            |
| Total EPH          | Total EPH          | 2.09  | U         |          | 2.09 | 5.99       | 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.

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## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | PSEG                   | Date Collected: |                      |
| Project:           | Orange Gas             | Date Received:  |                      |
| Client Sample ID:  | PB169891BL             | SDG No.:        | Q3231                |
| Lab Sample ID:     | PB169891BL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  |                        | Test:           | EPH_NF               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG016687.D | 1         | 09/29/25    | 09/29/25        | PB169891      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 0.000 | U         | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.18  | U         | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 52.0  |           | 40 - 140 | 104%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 51.0  |           | 40 - 140 | 102%       | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB169891BL | Acq On:            | 29 Sep 2025 17:35 |
| Client Sample ID: | PB169891BL | Operator:          | YP\AJ             |
| Data file:        | FG016687.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 31                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.280  | 6.922  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.923  | 10.380 | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 10.381 | 13.770 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.771 | 17.456 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 17.457 | 22.494 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.280  | 22.494 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.060 | 12.060 | 7277628  | 51.02 |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.505 | 13.505 | 5864734  | 51.96 |                  | ug/ml |
| Aliphatic C9-C28          | 3.280  | 17.456 | 0        | 0     | 1200             | ug/ml |