

## Report of Analysis

|                    |             |                 |          |
|--------------------|-------------|-----------------|----------|
| Client:            | PSEG        | Date Collected: | 03/25/25 |
| Project:           | Oradell Gas | Date Received:  | 03/25/25 |
| Client Sample ID:  | 031925      | SDG No.:        | Q1644    |
| Lab Sample ID:     | Q1644-03    | Matrix:         | Water    |
| Analytical Method: | NJEPH       | % Solid:        | 0        |
| Sample Wt/Vol:     | 990         | Units:          | mL       |
| Soil Aliquot Vol:  |             | Final Vol:      | 2000 uL  |
| Prep Method :      | SW3510      | Test:           | EPH      |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 03/26/25 09:20 | 03/26/25 18:32  | PB167327      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |       |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 30.3  | U         | 1        | 8.36 | 30.3       | ug/l  | FC068413.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 26.0  |           | 1        | 13.6 | 20.2       | ug/l  | FC068413.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 30.3  | U         | 1        | 8.42 | 30.3       | ug/l  | FC068413.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 40.4  | U         | 1        | 12.6 | 40.4       | ug/l  | FC068413.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 81.5  |           | 1        | 24.0 | 60.6       | ug/l  | FC068413.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 12.6  | J         | 1        | 2.09 | 20.2       | ug/l  | FG015559.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 22.1  | J         | 1        | 4.30 | 30.3       | ug/l  | FG015559.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 55.1  |           | 1        | 8.35 | 50.5       | ug/l  | FG015559.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 80.8  | U         | 1        | 24.0 | 80.8       | ug/l  | FG015559.D |
| Total AliphaticEPH | Total AliphaticEPH | 108   | J         |          | 67.0 | 182        | ug/l  |            |
| Total AromaticEPH  | Total AromaticEPH  | 89.8  | J         |          | 38.7 | 182        | ug/l  |            |
| Total EPH          | Total EPH          | 197   | J         |          | 106  | 364        | ug/l  |            |

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

## Report of Analysis

|                    |             |                 |          |
|--------------------|-------------|-----------------|----------|
| Client:            | PSEG        | Date Collected: | 03/25/25 |
| Project:           | Oradell Gas | Date Received:  | 03/25/25 |
| Client Sample ID:  | 031925      | SDG No.:        | Q1644    |
| Lab Sample ID:     | Q1644-03    | Matrix:         | Water    |
| Analytical Method: | NJEPH       | % Solid:        | 0        |
| Sample Wt/Vol:     | 990         | Units:          | mL       |
| Soil Aliquot Vol:  |             |                 | uL       |
| Prep Method :      | SW3510      | Final Vol:      | 2000     |
|                    |             | Test:           | EPH      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068413.D | 1         | 03/26/25    | 03/26/25        | PB167327      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 30.3  | U         | 8.36     | 30.3       | ug/l    |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 26.0  |           | 13.6     | 20.2       | ug/l    |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 30.3  | U         | 8.42     | 30.3       | ug/l    |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 40.4  | U         | 12.6     | 40.4       | ug/l    |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 81.5  |           | 24.0     | 60.6       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 24.4  |           | 40 - 140 | 49%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1644-03   | Acq On:            | 26 Mar 2025 18:32 |
| Client Sample ID: | 031925     | Operator:          | YP/AJ             |
| Data file:        | FC068413.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 15                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.099  | 6.361  | 568249   | 3.501  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.362  | 9.744  | 2166323  | 12.88  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.745  | 13.097 | 701491   | 4.09   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.098 | 16.748 | 803016   | 4.755  | 400              | ug/ml |
| Aliphatic C28-C40         | 16.749 | 21.545 | 5490719  | 40.322 | 600              | ug/ml |
| Aliphatic EPH             | 3.099  | 21.545 | 9729798  | 65.548 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.827 | 12.827 | 3638910  | 24.41  |                  | ug/ml |
| Aliphatic C9-C28          | 3.099  | 16.748 | 4239079  | 25.226 | 1200             | ug/ml |