

## Report of Analysis

|                    |                         |                 |          |
|--------------------|-------------------------|-----------------|----------|
| Client:            | PSEG                    | Date Collected: | 05/20/25 |
| Project:           | Bergen Point Substation | Date Received:  | 05/20/25 |
| Client Sample ID:  | WATER-COMP              | SDG No.:        | Q2093    |
| Lab Sample ID:     | Q2093-14                | Matrix:         | Water    |
| Analytical Method: | NJEPH                   | % Solid:        | 0        |
| Sample Wt/Vol:     | 1000 Units: mL          | Final Vol:      | 2000 uL  |
| Soil Aliquot Vol:  | uL                      | Test:           | EPH      |
| Prep Method :      | SW3510                  |                 |          |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 05/22/25 09:13 | 05/22/25 18:21  | PB168132      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |       |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 10.2  | J         | 1        | 8.28 | 30.0       | ug/l  | FC068984.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 24.1  |           | 1        | 13.5 | 20.0       | ug/l  | FC068984.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 38.1  |           | 1        | 8.34 | 30.0       | ug/l  | FC068984.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 26.3  | J         | 1        | 12.5 | 40.0       | ug/l  | FC068984.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 47.0  | J         | 1        | 23.8 | 60.0       | ug/l  | FC068984.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 17.7  | J         | 1        | 2.07 | 20.0       | ug/l  | FD049388.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 63.4  |           | 1        | 4.26 | 30.0       | ug/l  | FD049388.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 233   |           | 1        | 8.27 | 50.0       | ug/l  | FD049388.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 81.4  |           | 1        | 23.8 | 80.0       | ug/l  | FD049388.D |
| Total AliphaticEPH | Total AliphaticEPH | 146   | J         |          | 66.4 | 180        | ug/l  |            |
| Total AromaticEPH  | Total AromaticEPH  | 396   |           |          | 38.4 | 180        | ug/l  |            |
| Total EPH          | Total EPH          | 541   |           |          | 105  | 360        | 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: | 05/20/25             |
| Project:           | Bergen Point Substation | Date Received:  | 05/20/25             |
| Client Sample ID:  | WATER-COMP              | SDG No.:        | Q2093                |
| Lab Sample ID:     | Q2093-14                | Matrix:         | Water                |
| Analytical Method: | NJEPH                   | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL  | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                      | Test:           | EPH                  |
| Prep Method :      | SW3510                  |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068984.D | 1         | 05/22/25    | 05/22/25        | PB168132      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 10.2  | J         | 8.28     | 30.0       | ug/l    |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 24.1  |           | 13.5     | 20.0       | ug/l    |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 38.1  |           | 8.34     | 30.0       | ug/l    |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 26.3  | J         | 12.5     | 40.0       | ug/l    |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 47.0  | J         | 23.8     | 60.0       | ug/l    |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 50.0  |           | 40 - 140 | 100%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2093-14   | Acq On:            | 22 May 2025 18:21 |
| Client Sample ID: | WATER-COMP | Operator:          | YP/AJ             |
| Data file:        | FC068984.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          | 3.340  | 6.640  | 504114   | 5.085  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.641  | 10.039 | 1098347  | 12.072 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.040 | 13.406 | 1633991  | 19.053 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.407 | 17.068 | 1093629  | 13.162 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.069 | 22.061 | 1989864  | 23.515 | 600              | ug/ml |
| Aliphatic EPH             | 3.340  | 22.061 | 6319945  | 72.886 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.141 | 13.141 | 4015646  | 50.05  |                  | ug/ml |
| Aliphatic C9-C28          | 3.340  | 17.068 | 4330081  | 49.372 | 1200             | ug/ml |