

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | PSEG                     | Date Collected: | 11/04/25 |
| Project:           | PSEG Waldwick Substation | Date Received:  | 11/04/25 |
| Client Sample ID:  | MW-17-PURGE-WATER        | SDG No.:        | Q3537    |
| Lab Sample ID:     | Q3537-03                 | Matrix:         | Water    |
| Analytical Method: | NJEPH                    | % Solid:        | 0        |
| Sample Wt/Vol:     | 970 mL                   | Test:           | EPH      |
| Prep Method :      | SW3510                   | Final Vol:      | 2000 uL  |
|                    |                          | Prep Date :     | 11/05/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 8.58  | J    | 1  | 8.54 | 30.9       | ug/l  | FE056688.D | 11/06/25 12:01 | PB170417     |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 20.6  | U    | 1  | 13.9 | 20.6       | ug/l  | FE056688.D | 11/06/25 12:01 | PB170417     |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 30.9  | U    | 1  | 8.60 | 30.9       | ug/l  | FE056688.D | 11/06/25 12:01 | PB170417     |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 41.2  | U    | 1  | 12.9 | 41.2       | ug/l  | FE056688.D | 11/06/25 12:01 | PB170417     |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 167   |      | 1  | 24.5 | 61.9       | ug/l  | FE056688.D | 11/06/25 12:01 | PB170417     |
| Aromatic C10-C12   | Aromatic C10-C12   | 5.83  | J    | 1  | 2.13 | 20.6       | ug/l  | FD049883.D | 11/06/25 14:23 | PB170417     |
| Aromatic C12-C16   | Aromatic C12-C16   | 7.96  | J    | 1  | 4.39 | 30.9       | ug/l  | FD049883.D | 11/06/25 14:23 | PB170417     |
| Aromatic C16-C21   | Aromatic C16-C21   | 40.2  | J    | 1  | 8.53 | 51.5       | ug/l  | FD049883.D | 11/06/25 14:23 | PB170417     |
| Aromatic C21-C36   | Aromatic C21-C36   | 25.4  | J    | 1  | 24.5 | 82.5       | ug/l  | FD049883.D | 11/06/25 14:23 | PB170417     |
| Total AliphaticEPH | Total AliphaticEPH | 176   | J    |    | 68.4 | 186        | ug/l  |            |                |              |
| Total AromaticEPH  | Total AromaticEPH  | 79.4  | J    |    | 39.5 | 186        | ug/l  |            |                |              |
| Total EPH          | Total EPH          | 255   | J    |    | 108  | 371        | 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

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| Client Sample ID:  | MW-17-PURGE-WATER        | SDG No.:        | Q3537    |
| Lab Sample ID:     | Q3537-03                 | Matrix:         | Water    |
| Analytical Method: | NJEPH                    | % Solid:        | 0        |
| Sample Wt/Vol:     | 970 mL                   | Final Vol:      | 2000 uL  |
| Prep Method :      | SW3510                   | Test:           | EPH      |
|                    |                          | Prep Date       | 11/05/25 |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aromatic C10-C12  | Aromatic C10-C12          | 5.83  | J    | 1  | 2.13     | 20.6       | ug/l    | 11/06/25  | PB170417     |
| Aromatic C12-C16  | Aromatic C12-C16          | 7.96  | J    | 1  | 4.39     | 30.9       | ug/l    | 11/06/25  | PB170417     |
| Aromatic C16-C21  | Aromatic C16-C21          | 40.2  | J    | 1  | 8.53     | 51.5       | ug/l    | 11/06/25  | PB170417     |
| Aromatic C21-C36  | Aromatic C21-C36          | 25.4  | J    | 1  | 24.5     | 82.5       | ug/l    | 11/06/25  | PB170417     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 43.0  |      |    | 40 - 140 | 86%        | SPK: 50 |           |              |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 42.1  |      |    | 40 - 140 | 84%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 39.9  |      |    | 40 - 140 | 80%        | SPK: 50 |           |              |

## Quantitation Report For Aromatic EPH Range.

|                   |                   |                    |                   |
|-------------------|-------------------|--------------------|-------------------|
| Lab Sample ID:    | Q3537-03          | Acq On:            | 06 Nov 2025 14:23 |
| Client Sample ID: | MW-17-PURGE-WATER | Operator:          | YP/AJ             |
| Data file:        | FD049883.D        | Misc:              |                   |
| Instrument:       | FID_D             | ALS Vial:          | 64                |
| Dilution Factor:  | 1                 | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aromatic C10-C12          | 4.391  | 6.134  | 331095   | 2.83   | 200              | ug/ml |
| Aromatic C12-C16          | 6.135  | 8.762  | 517155   | 3.861  | 300              | ug/ml |
| Aromatic C16-C21          | 8.763  | 13.050 | 2633304  | 19.487 | 500              | ug/ml |
| Aromatic C21-C36          | 13.051 | 18.469 | 1566329  | 12.335 | 800              | ug/ml |
| Aromatic EPH              | 4.391  | 18.469 | 5047883  | 38.513 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.609 | 11.609 | 5650935  | 39.91  |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.699  | 7.699  | 4767384  | 42.95  |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.563  | 8.563  | 3296092  | 42.07  |                  | ug/ml |