

## Report of Analysis

|                    |                    |                 |          |
|--------------------|--------------------|-----------------|----------|
| Client:            | PSEG               | Date Collected: | 06/02/25 |
| Project:           | BU-703 Willingboro | Date Received:  | 06/04/25 |
| Client Sample ID:  | BU-703-26B         | SDG No.:        | Q2208    |
| Lab Sample ID:     | Q2208-33           | Matrix:         | Solid    |
| Analytical Method: | NJEPH              | % Solid:        | 73.7     |
| Sample Wt/Vol:     | 30.01              | Units:          | g        |
| Soil Aliquot Vol:  |                    |                 | uL       |
| Prep Method :      |                    | Final Vol:      | 2000     |
|                    |                    | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 06/06/25 09:00 | 06/06/25 16:21  | PB168308      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 4.14  |           | 1        | 1.60 | 2.71       | mg/kg             | FE054222.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.49  | J         | 1        | 1.23 | 5.43       | mg/kg             | FE054222.D |
| Total AliphaticEPH | Total AliphaticEPH | 6.63  | J         |          | 2.83 | 8.14       | mg/kg             |            |
| Total EPH          | Total EPH          | 6.63  | J         |          | 2.83 | 8.14       | 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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|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
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| Project:           | BU-703 Willingboro     | Date Received:  | 06/04/25             |
| Client Sample ID:  | BU-703-26B             | SDG No.:        | Q2208                |
| Lab Sample ID:     | Q2208-33               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 73.7                 |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE054222.D | 1         | 06/06/25    | 06/06/25        | PB168308      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 2.49  | J         | 1.23     | 5.43       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 4.14  |           | 1.60     | 2.71       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 58.4  |           | 40 - 140 | 117%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 49.1  |           | 40 - 140 | 98%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2208-33   | Acq On:            | 06 Jun 2025 16:21 |
| Client Sample ID: | BU-703-26B | Operator:          | YP\AJ             |
| Data file:        | FE054222.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 12                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.080  | 6.725  | 226637   | 1.672  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.726  | 10.172 | 1304361  | 9.666  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.173 | 13.547 | 718006   | 5.443  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.548 | 17.214 | 1541447  | 12.413 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.215 | 22.084 | 5284186  | 45.778 | 600              | ug/ml |
| Aliphatic EPH             | 3.080  | 22.084 | 9074637  | 74.972 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.836 | 11.836 | 7978098  | 49.09  |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.281 | 13.281 | 6924039  | 58.41  |                  | ug/ml |
| Aliphatic C9-C28          | 3.080  | 17.214 | 3790451  | 29.194 | 1200             | ug/ml |