

## Report of Analysis

|                    |                                                    |                 |          |
|--------------------|----------------------------------------------------|-----------------|----------|
| Client:            | PSEG                                               | Date Collected: | 11/12/24 |
| Project:           | Bergen Point 69kV - 4KV-13KV Conversion Project OP | Date Received:  | 11/12/24 |
| Client Sample ID:  | BP-F-2                                             | SDG No.:        | P4821    |
| Lab Sample ID:     | P4821-05                                           | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                              | % Solid:        | 88.6     |
| Sample Wt/Vol:     | 30.05                                              | Units:          | g        |
| Soil Aliquot Vol:  |                                                    | Final Vol:      | 2000 uL  |
| Prep Method :      |                                                    | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 11/13/24 09:10 | 11/13/24 17:11  | PB164942      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 7.04  |           | 1        | 2.03 | 2.25       | mg/kg             | FE051203.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 1.96  | J         | 1        | 1.94 | 4.51       | mg/kg             | FE051203.D |
| Total AliphaticEPH | Total AliphaticEPH | 9.00  |           |          | 3.97 | 6.76       | mg/kg             |            |
| Total EPH          | Total EPH          | 9.00  |           |          | 3.97 | 6.76       | 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:           | Bergen Point 69kV - 4KV-13KV Conversion Project OP | Date Received:  | 11/12/24             |
| Client Sample ID:  | BP-F-2                                             | SDG No.:        | P4821                |
| Lab Sample ID:     | P4821-05                                           | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                              | % Solid:        | 88.6                 |
| Sample Wt/Vol:     | 30.05      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 |
| FE051203.D | 1         | 11/13/24    | 11/13/24        | PB164942      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 1.96  | J         | 1.94     | 4.51       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 7.04  |           | 2.03     | 2.25       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 37.1  |           | 40 - 140 | 74%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 36.9  |           | 40 - 140 | 74%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | P4821-05   | Acq On:            | 13 Nov 2024 17:11 |
| Client Sample ID: | BP-F-2     | Operator:          | YP\AJ             |
| Data file:        | FE051203.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 11                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.138  | 6.755  | 373593   | 2.67    | 300              | ug/ml |
| Aliphatic C12-C16         | 6.756  | 10.187 | 1930296  | 13.726  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.188 | 13.546 | 1698090  | 12.326  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.547 | 17.200 | 1555078  | 11.609  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.201 | 22.043 | 12064022 | 93.702  | 600              | ug/ml |
| Aliphatic EPH             | 3.138  | 22.043 | 17621079 | 134.033 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.848 | 11.848 | 5540821  | 36.92   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.281 | 13.281 | 4213489  | 37.11   |                  | ug/ml |
| Aliphatic C9-C28          | 3.138  | 17.200 | 5557057  | 40.331  | 1200             | ug/ml |