

## Report of Analysis

|                    |                                                    |                 |          |
|--------------------|----------------------------------------------------|-----------------|----------|
| Client:            | PSEG                                               | Date Collected: | 10/28/25 |
| Project:           | New Brunswick Gas and Appliance Service MA00006789 | Date Received:  | 10/28/25 |
| Client Sample ID:  | NB-07-102825                                       | SDG No.:        | Q3476    |
| Lab Sample ID:     | Q3476-01                                           | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                              | % Solid:        | 92.2     |
| Sample Wt/Vol:     | 30.09 g                                            | Test:           | EPH_NF   |
| Prep Method :      |                                                    | Final Vol:      | 2000 uL  |
|                    |                                                    | Prep Date :     | 10/29/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 7.40  |      | 1  | 1.28 | 2.16       | mg/kg | FC070073.D | 10/29/25 13:26 | PB170307     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.46  | J    | 1  | 0.98 | 4.32       | mg/kg | FC070073.D | 10/29/25 13:26 | PB170307     |
| Total AliphaticEPH | Total AliphaticEPH | 9.86  |      |    | 2.26 | 6.48       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 9.86  |      |    | 2.26 | 6.48       | 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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| Client Sample ID:  | NB-07-102825                                       | SDG No.:        | Q3476    |
| Lab Sample ID:     | Q3476-01                                           | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                              | % Solid:        | 92.2     |
| Sample Wt/Vol:     | 30.09 g                                            | Final Vol:      | 2000 uL  |
| Prep Method :      |                                                    | Test:           | EPH_NF   |
|                    |                                                    | Prep Date       | 10/29/25 |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 2.46  | J    | 1  | 0.98     | 4.32       | mg/kg   | 10/29/25  | PB170307     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 7.40  |      | 1  | 1.28     | 2.16       | mg/kg   | 10/29/25  | PB170307     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 29.3  |      |    | 40 - 140 | 59%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.8  |      |    | 40 - 140 | 58%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q3476-01     | Acq On:            | 29 Oct 2025 13:26 |
| Client Sample ID: | NB-07-102825 | Operator:          | YP/AJ             |
| Data file:        | FC070073.D   | Misc:              |                   |
| Instrument:       | FID_C        | ALS Vial:          | 11                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.281  | 6.573  | 521166   | 3.6     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.574  | 9.973  | 2047292  | 12.5    | 200              | ug/ml |
| Aliphatic C16-C21         | 9.974  | 13.341 | 1600803  | 9.885   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.342 | 17.005 | 1187190  | 8.068   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.006 | 21.961 | 11051756 | 102.712 | 600              | ug/ml |
| Aliphatic EPH             | 3.281  | 21.961 | 16408207 | 136.764 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.641 | 11.641 | 5063969  | 28.84   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.076 | 13.076 | 3972761  | 29.27   |                  | ug/ml |
| Aliphatic C9-C28          | 3.281  | 17.005 | 5356451  | 34.053  | 1200             | ug/ml |