

## Report of Analysis

|                    |                                              |                 |        |
|--------------------|----------------------------------------------|-----------------|--------|
| Client:            | PSEG                                         | Date Collected: |        |
| Project:           | New Brunswick Gas and Appliance Service (NB) | Date Received:  |        |
| Client Sample ID:  | NB-07-111725MS                               | SDG No.:        | Q3658  |
| Lab Sample ID:     | Q3658-01MS                                   | Matrix:         | Solid  |
| Analytical Method: | NJEPH                                        | % Solid:        | 90.9   |
| Sample Wt/Vol:     | 30.06 g                                      | Test:           | EPH_NF |
| Prep Method :      |                                              |                 |        |
|                    | Final Vol: 2000 uL                           |                 |        |
|                    | Prep Date : 11/18/25                         |                 |        |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|------------|-----------|-------|------|----|-----|------------|-------|----------|-----------|--------------|
|------------|-----------|-------|------|----|-----|------------|-------|----------|-----------|--------------|

### TARGETS

|                    |                    |     |  |  |      |      |       |  |  |  |
|--------------------|--------------------|-----|--|--|------|------|-------|--|--|--|
| Total AliphaticEPH | Total AliphaticEPH | 127 |  |  | 2.30 | 6.59 | mg/kg |  |  |  |
| Total EPH          | Total EPH          | 127 |  |  | 2.30 | 6.59 | 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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| Prep Method :      |                                              | Test:           | EPH_NF   |
|                    |                                              | Prep Date       | 11/18/25 |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 88.3  | E    | 1  | 1.00     | 4.39       | mg/kg   | 11/18/25  | PB170599     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 39.0  |      | 1  | 1.30     | 2.20       | mg/kg   | 11/18/25  | PB170599     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 23.5  |      |    | 40 - 140 | 47%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 26.5  |      |    | 40 - 140 | 53%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3658-01MS | Acq On:            | 18 Nov 2025 23:08 |
| Client Sample ID: | Q3658-01MS | Operator:          | YP\AJ             |
| Data file:        | FE056918.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 30                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.211  | 6.834  | 25254090  | 147.544 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.835  | 10.279 | 41601337  | 232.729 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.280 | 13.652 | 82596147  | 442.862 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.653 | 17.321 | 74069281  | 384.244 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.322 | 22.255 | 84866397  | 532.697 | 600              | ug/ml |
| Aliphatic EPH             | 3.211  | 22.255 | 308387252 | 1740    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.949 | 11.949 | 5538806   | 26.51   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.385 | 13.385 | 3782521   | 23.48   |                  | ug/ml |
| Aliphatic C9-C28          | 3.211  | 17.321 | 223520855 | 1210    | 1200             | ug/ml |