

## Report of Analysis

|                    |                                              |                 |              |
|--------------------|----------------------------------------------|-----------------|--------------|
| Client:            | PSEG                                         | Date Collected: | 12/06/24     |
| Project:           | Oakland Gas and Appliance Service MA00006789 | Date Received:  | 12/06/24     |
| Client Sample ID:  | OK-01-12062024-E2                            | SDG No.:        | P5175        |
| Lab Sample ID:     | P5175-02                                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                                        | % Solid:        | 91.1         |
| Sample Wt/Vol:     | 30.1      Units: g                           | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                                           | Test:           | EPH_NF       |
| Prep Method :      |                                              |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 12/09/24 09:15 | 12/09/24 13:57  | PB165478      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 32.0  |           | 1        | 1.97 | 2.19       | mg/kg             | FE051588.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 3.31  | J         | 1        | 1.88 | 4.37       | mg/kg             | FE051588.D |
| Total AliphaticEPH | Total AliphaticEPH | 35.3  |           |          | 3.85 | 6.56       | mg/kg             |            |
| Total EPH          | Total EPH          | 35.3  |           |          | 3.85 | 6.56       | 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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| Sample Wt/Vol:     | 30.1      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 |
| FE051588.D | 1         | 12/09/24    | 12/09/24        | PB165478      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 3.31  | J         | 1.88     | 4.37       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 32.0  |           | 1.97     | 2.19       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 30.1  |           | 40 - 140 | 60%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 27.1  |           | 40 - 140 | 54%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                   |                    |                   |
|-------------------|-------------------|--------------------|-------------------|
| Lab Sample ID:    | P5175-02          | Acq On:            | 09 Dec 2024 13:57 |
| Client Sample ID: | OK-01-12062024-E2 | Operator:          | YP\AJ             |
| Data file:        | FE051588.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          | 3.117  | 6.731  | 222757   | 1.575   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.732  | 10.162 | 962935   | 6.842   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.163 | 13.521 | 2223006  | 15.981  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.522 | 17.175 | 2941148  | 22.486  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.176 | 22.007 | 47046601 | 439.279 | 600              | ug/ml |
| Aliphatic EPH             | 3.117  | 22.007 | 53396447 | 486.163 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.824 | 11.824 | 4091740  | 27.08   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.257 | 13.257 | 3359054  | 30.06   |                  | ug/ml |
| Aliphatic C9-C28          | 3.117  | 17.175 | 6349846  | 46.884  | 1200             | ug/ml |