

## Report of Analysis

|                    |                                              |                 |                              |
|--------------------|----------------------------------------------|-----------------|------------------------------|
| Client:            | PSEG                                         | Date Collected: | 02/24/25                     |
| Project:           | Oakland Gas and Appliance Service MA00006789 | Date Received:  | 02/24/25                     |
| Client Sample ID:  | OK-01-022425                                 | SDG No.:        | Q1416                        |
| Lab Sample ID:     | Q1416-01                                     | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                                        | % Solid:        | 87.6                         |
| Sample Wt/Vol:     | 30.06      Units:    g                       | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                                           | Test:           | EPH_NF                       |
| Prep Method :      |                                              |                 |                              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 02/25/25 08:35 | 02/26/25 8:16   | PB166852      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight)   |
|--------------------|--------------------|-------|-----------|----------|------|------------|---------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                     |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 54.3  |           | 2        | 4.10 | 4.56       | mg/kg    FE052506.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 24.5  |           | 1        | 1.96 | 4.56       | mg/kg    FE052490.D |
| Total AliphaticEPH | Total AliphaticEPH | 78.8  |           |          | 6.06 | 9.12       | mg/kg               |
| Total EPH          | Total EPH          | 78.8  |           |          | 6.06 | 9.12       | 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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| Client Sample ID:  | OK-01-022425                                 | SDG No.:        | Q1416                |
| Lab Sample ID:     | Q1416-01                                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                        | % Solid:        | 87.6                 |
| Sample Wt/Vol:     | 30.06      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 |
| FE052490.D | 1         | 02/25/25    | 02/25/25        | PB166852      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 24.5  |           | 1.96     | 4.56       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 52.9  | E         | 2.05     | 2.28       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 28.9  |           | 40 - 140 | 58%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 24.4  |           | 40 - 140 | 49%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q1416-01     | Acq On:            | 25 Feb 2025 14:48 |
| Client Sample ID: | OK-01-022425 | Operator:          | YP\AJ             |
| Data file:        | FE052490.D   | Misc:              |                   |
| Instrument:       | FID_E        | ALS Vial:          | 14                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.155  | 6.800  | 4399261   | 28.229  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.801  | 10.255 | 15362945  | 95.734  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.256 | 13.635 | 17208309  | 107.205 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.309 | 14246556  | 91.674  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.310 | 22.233 | 91162543  | 695.979 | 600              | ug/ml |
| Aliphatic EPH             | 3.155  | 22.233 | 142379614 | 1020    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.917 | 11.917 | 4555166   | 24.37   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.363 | 13.363 | 4021723   | 28.93   |                  | ug/ml |
| Aliphatic C9-C28          | 3.155  | 17.309 | 51217071  | 322.842 | 1200             | ug/ml |