

## Report of Analysis

|                    |                                  |                 |                      |
|--------------------|----------------------------------|-----------------|----------------------|
| Client:            | PSEG                             | Date Collected: | 11/05/24             |
| Project:           | Robotic Intero Inline Inspection | Date Received:  | 11/05/24             |
| Client Sample ID:  | BAYAVE-STOCKPILE-E2              | SDG No.:        | P4719                |
| Lab Sample ID:     | P4719-02                         | Matrix:         | Solid                |
| Analytical Method: | NJEPH                            | % Solid:        | 93.8                 |
| Sample Wt/Vol:     | 30.05      Units:    g           | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                               | Test:           | EPH_NF               |
| Prep Method :      |                                  |                 |                      |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 11/06/24 08:32 | 11/06/24 18:46  | PB164709      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 26.6  |           | 1        | 1.92 | 2.13       | mg/kg FC067643.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 5.19  |           | 1        | 1.83 | 4.25       | mg/kg FC067643.D  |
| Total AliphaticEPH | Total AliphaticEPH | 31.8  |           |          | 3.75 | 6.38       | mg/kg             |
| Total EPH          | Total EPH          | 31.8  |           |          | 3.75 | 6.38       | 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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| Lab Sample ID:     | P4719-02                         | Matrix:         | Solid                |
| Analytical Method: | NJEPH                            | % Solid:        | 93.8                 |
| 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 |
| FC067643.D | 1         | 11/06/24    | 11/06/24        | PB164709      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 5.19  |           | 1.83     | 4.25       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 26.6  |           | 1.92     | 2.13       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 35.0  |           | 40 - 140 | 70%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 34.2  |           | 40 - 140 | 68%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                     |                    |                   |
|-------------------|---------------------|--------------------|-------------------|
| Lab Sample ID:    | P4719-02            | Acq On:            | 06 Nov 2024 18:46 |
| Client Sample ID: | BAYAVE-STOCKPILE-E2 | Operator:          | YP/AJ             |
| Data file:        | FC067643.D          | Misc:              |                   |
| Instrument:       | FID_C               | ALS Vial:          | 20                |
| Dilution Factor:  | 1                   | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.171  | 6.450  | 1810163  | 13.362  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.451  | 9.839  | 1183567  | 8.988   | 200              | ug/ml |
| Aliphatic C16-C21         | 9.840  | 13.197 | 2570529  | 20.203  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.198 | 16.850 | 3672309  | 30.58   | 400              | ug/ml |
| Aliphatic C28-C40         | 16.851 | 21.690 | 37828817 | 374.197 | 600              | ug/ml |
| Aliphatic EPH             | 3.171  | 21.690 | 47065385 | 447.33  |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.493 | 11.493 | 5015121  | 34.18   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.931 | 12.931 | 3782781  | 35.03   |                  | ug/ml |
| Aliphatic C9-C28          | 3.171  | 16.850 | 9236568  | 73.133  | 1200             | ug/ml |