

## Report of Analysis

|                    |                   |          |                 |          |    |
|--------------------|-------------------|----------|-----------------|----------|----|
| Client:            | BAPS North Bergen |          | Date Collected: | 11/12/24 |    |
| Project:           | BAPS North Bergen |          | Date Received:  | 11/12/24 |    |
| Client Sample ID:  | SOIL-2            |          | SDG No.:        | P4822    |    |
| Lab Sample ID:     | P4822-03          |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH             |          | % Solid:        | 91.8     |    |
| Sample Wt/Vol:     | 30.03             | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                   | uL       | Test:           | EPH      |    |
| Prep Method :      |                   |          |                 |          |    |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 11/13/24 09:40 | 11/13/24 20:52  | PB164943      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.41  | U         | 1        | 0.41 | 1.09       | mg/kg             | FC067743.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.37  | J         | 1        | 0.26 | 0.73       | mg/kg             | FC067743.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.34  | J         | 1        | 0.33 | 1.09       | mg/kg             | FC067743.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.87  | U         | 1        | 0.87 | 1.45       | mg/kg             | FC067743.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 11.5  |           | 1        | 1.96 | 2.18       | mg/kg             | FC067743.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.45  | J         | 1        | 0.33 | 0.73       | mg/kg             | FD048724.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 4.11  |           | 1        | 0.37 | 1.09       | mg/kg             | FD048724.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 2.40  |           | 1        | 1.04 | 1.81       | mg/kg             | FD048724.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 3.54  |           | 1        | 2.18 | 2.90       | mg/kg             | FD048724.D |
| Total AliphaticEPH | Total AliphaticEPH | 12.2  |           |          | 3.83 | 6.54       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 10.5  |           |          | 3.92 | 6.53       | mg/kg             |            |
| Total EPH          | Total EPH          | 22.7  |           |          | 7.75 | 13.1       | mg/kg             |            |

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

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | BAPS North Bergen      | Date Collected: | 11/12/24             |
| Project:           | BAPS North Bergen      | Date Received:  | 11/12/24             |
| Client Sample ID:  | SOIL-2                 | SDG No.:        | P4822                |
| Lab Sample ID:     | P4822-03               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 91.8                 |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC067743.D | 1         | 11/13/24    | 11/13/24        | PB164943      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.41  | U         | 0.41     | 1.09       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.37  | J         | 0.26     | 0.73       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.34  | J         | 0.33     | 1.09       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.87  | U         | 0.87     | 1.45       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 11.5  |           | 1.96     | 2.18       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 46.9  |           | 40 - 140 | 94%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | P4822-03   | Acq On:            | 13 Nov 2024 20:52 |
| Client Sample ID: | SOIL-2     | Operator:          | YP/AJ             |
| Data file:        | FC067743.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 19                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.169  | 6.447  | 394175   | 2.91    | 300              | ug/ml |
| Aliphatic C12-C16         | 6.448  | 9.836  | 670276   | 5.09    | 200              | ug/ml |
| Aliphatic C16-C21         | 9.837  | 13.192 | 597908   | 4.699   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.193 | 16.845 | 902161   | 7.512   | 400              | ug/ml |
| Aliphatic C28-C40         | 16.846 | 21.681 | 15993949 | 158.21  | 600              | ug/ml |
| Aliphatic EPH             | 3.169  | 21.681 | 18558469 | 178.421 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.927 | 12.927 | 5060163  | 46.86   |                  | ug/ml |
| Aliphatic C9-C28          | 3.169  | 16.845 | 2564520  | 20.211  | 1200             | ug/ml |