

## Report of Analysis

|                    |                        |                 |          |
|--------------------|------------------------|-----------------|----------|
| Client:            | Earth Engineering Inc. | Date Collected: | 06/25/25 |
| Project:           | 1710 N4 Ave            | Date Received:  | 06/26/25 |
| Client Sample ID:  | S-5                    | SDG No.:        | Q2431    |
| Lab Sample ID:     | Q2431-05               | Matrix:         | Solid    |
| Analytical Method: | NJEPH                  | % Solid:        | 83       |
| Sample Wt/Vol:     | 30.04                  | Units:          | g        |
| Soil Aliquot Vol:  |                        |                 | uL       |
| Prep Method :      |                        | Final Vol:      | 2000     |
|                    |                        | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 06/27/25 08:30 | 06/30/25 13:01  | PB168635      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.67  |           | 1        | 1.42 | 2.41       | mg/kg FC069328.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 5.69  |           | 1        | 1.09 | 4.80       | mg/kg FC069328.D  |
| Total AliphaticEPH | Total AliphaticEPH | 11.4  |           |          | 2.51 | 7.21       | mg/kg             |
| Total EPH          | Total EPH          | 11.4  |           |          | 2.51 | 7.21       | 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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| Analytical Method: | NJEPH                  | % Solid:        | 83                   |
| Sample Wt/Vol:     | 30.04      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 |
| FC069328.D | 1         | 06/27/25    | 06/30/25        | PB168635      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 5.69  |           | 1.09     | 4.80       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.67  |           | 1.42     | 2.41       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 27.1  |           | 40 - 140 | 54%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 27.1  |           | 40 - 140 | 54%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2431-05   | Acq On:            | 30 Jun 2025 13:01 |
| Client Sample ID: | S-5        | Operator:          | YP/AJ             |
| Data file:        | FC069328.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 12                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.308  | 6.605  | 3880361  | 26.455  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.606  | 10.009 | 935373   | 5.875   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.010 | 13.379 | 2113640  | 13.686  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.380 | 17.046 | 3343201  | 24.956  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.047 | 22.025 | 6514751  | 70.717  | 600              | ug/ml |
| Aliphatic EPH             | 3.308  | 22.025 | 16787326 | 141.688 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.678 | 11.678 | 4673415  | 27.05   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.114 | 13.114 | 3545638  | 27.14   |                  | ug/ml |
| Aliphatic C9-C28          | 3.308  | 17.046 | 10272575 | 70.972  | 1200             | ug/ml |