

## Report of Analysis

|                    |                                                |                 |                              |
|--------------------|------------------------------------------------|-----------------|------------------------------|
| Client:            | Remington & Vernick Engineers                  | Date Collected: |                              |
| Project:           | 169 Bridgeton Pike Mullica Hill, NJ # 0800X062 | Date Received:  |                              |
| Client Sample ID:  | BU-511-06MS                                    | SDG No.:        | O2505                        |
| Lab Sample ID:     | O2502-14MS                                     | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                                          | % Solid:        | 93.6                         |
| Sample Wt/Vol:     | 30.03      Units:    g                         | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                                             | Test:           | EPH_NF                       |
| Prep Method :      |                                                |                 |                              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/27/23 10:07 | 04/27/23 22:22  | PB152444      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 30.2  |           | 1        | 1.09 | 2.13       | mg/kg             | FC063482.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 96.7  | E         | 1        | 1.12 | 4.27       | mg/kg             | FC063482.D |
| Total AliphaticEPH | Total AliphaticEPH | 127   |           |          | 2.21 | 6.40       | mg/kg             |            |
| Total EPH          | Total EPH          | 127   |           |          | 2.21 | 6.40       | 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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| Project:           | 169 Bridgeton Pike Mullica Hill, NJ # 0800X062 | Date Received:  |         |
| Client Sample ID:  | BU-511-06MS                                    | SDG No.:        | O2505   |
| Lab Sample ID:     | O2502-14MS                                     | Matrix:         | Solid   |
| Analytical Method: | NJEPH                                          | % Solid:        | 93.6    |
| Sample Wt/Vol:     | 30.03                                          | Units:          | g       |
| Soil Aliquot Vol:  |                                                | Final Vol:      | 2000 uL |
| Prep Method :      |                                                | Test:           | EPH_NF  |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC063482.D | 1         | 04/27/23    | 04/27/23        | PB152444      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 96.7  | E         | 1.12     | 4.27       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 30.2  |           | 1.09     | 2.13       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 34.4  |           | 40 - 140 | 69%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 24.5  |           | 40 - 140 | 49%        | SPK: 50 |



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## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | O2502-14MS | Acq On:            | 27 Apr 2023 22:22 |
| Client Sample ID: | O2502-14MS | Operator:          | YP/AJ             |
| Data file:        | FC063482.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          | 3.199  | 6.486  | 26159495  | 190.854 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.487  | 9.878  | 49822519  | 367.461 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.879  | 13.234 | 50137678  | 369.156 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.235 | 16.884 | 57857169  | 430.914 | 400              | ug/ml |
| Aliphatic C28-C40         | 16.885 | 21.741 | 55678382  | 424.949 | 600              | ug/ml |
| Aliphatic EPH             | 3.199  | 21.741 | 239655243 | 1780    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.531 | 11.531 | 3734432   | 24.54   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.969 | 12.969 | 3806519   | 34.4    |                  | ug/ml |
| Aliphatic C9-C28          | 3.199  | 16.884 | 183976861 | 1360    | 1200             | ug/ml |