

## Report of Analysis

|                    |                           |                 |                      |
|--------------------|---------------------------|-----------------|----------------------|
| Client:            | Chemtech Consulting Group | Date Collected: | 01/23/25             |
| Project:           | LOD-LOQ Study             | Date Received:  | 01/23/25             |
| Client Sample ID:  | LOD-MDL-SOIL-01-QT1-2025  | SDG No.:        | Q1168                |
| Lab Sample ID:     | Q1168-01                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                     | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.04      Units:    g    | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                        | Test:           | EPH                  |
| Prep Method :      |                           |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015346.D | 1         | 01/28/25    | 01/29/25        | PB166218      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.55  | J         | 0.38     | 1.00       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.41  | J         | 0.24     | 0.67       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.65  | J         | 0.30     | 1.00       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.81  | J         | 0.80     | 1.33       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 2.00  | U         | 1.80     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 36.3  |           | 40 - 140 | 73%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                      |                    |                   |
|-------------------|----------------------|--------------------|-------------------|
| Lab Sample ID:    | Q1168-01             | Acq On:            | 29 Jan 2025 03:15 |
| Client Sample ID: | LOD-MDL-SOIL-01-QT1- | Operator:          | YP\AJ             |
| Data file:        | FF015346.D           | Misc:              | 4 PPM SOIL LOD    |
| Instrument:       | FID_F                | ALS Vial:          | 18                |
| Dilution Factor:  | 1                    | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.214  | 6.832  | 1106870  | 8.304  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.833  | 10.265 | 849618   | 6.139  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.266 | 13.633 | 1407875  | 9.746  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.634 | 17.299 | 1725133  | 12.113 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.207 | 1798540  | 17.18  | 600              | ug/ml |
| Aliphatic EPH             | 3.214  | 22.207 | 6888036  | 53.482 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.367 | 13.367 | 4425403  | 36.34  |                  | ug/ml |
| Aliphatic C9-C28          | 3.214  | 17.299 | 5089496  | 36.302 | 1200             | ug/ml |