

## Report of Analysis

|                    |                           |                 |                      |
|--------------------|---------------------------|-----------------|----------------------|
| Client:            | Chemtech Consulting Group | Date Collected: | 10/09/24             |
| Project:           | LOD-LOQ Study             | Date Received:  | 10/09/24             |
| Client Sample ID:  | LOD-MDL-SOIL-01-QT4-2024  | SDG No.:        | P4368                |
| Lab Sample ID:     | P4368-01                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                     | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g    | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                        | Test:           | EPH                  |
| Prep Method :      |                           |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC067412.D | 1         | 10/11/24    | 10/11/24        | PB164054      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.38  | U         | 0.38     | 1.00       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.24  | U         | 0.24     | 0.67       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.39  | J         | 0.30     | 1.00       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.80  | U         | 0.80     | 1.33       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.80  | U         | 1.80     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 40.1  |           | 40 - 140 | 80%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                      |                    |                   |
|-------------------|----------------------|--------------------|-------------------|
| Lab Sample ID:    | P4368-01             | Acq On:            | 11 Oct 2024 22:44 |
| Client Sample ID: | LOD-MDL-SOIL-01-QT4- | Operator:          | YP/AJ             |
| Data file:        | FC067412.D           | Misc:              |                   |
| Instrument:       | FID_C                | ALS Vial:          | 21                |
| Dilution Factor:  | 1                    | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.175  | 6.457  | 581480   | 4.53   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.458  | 9.848  | 451556   | 3.448  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.849  | 13.207 | 769490   | 5.853  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.208 | 16.862 | 1064954  | 8.397  | 400              | ug/ml |
| Aliphatic C28-C40         | 16.863 | 21.712 | 1559734  | 14.824 | 600              | ug/ml |
| Aliphatic EPH             | 3.175  | 21.712 | 4427214  | 37.052 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.943 | 12.943 | 4539941  | 40.11  |                  | ug/ml |
| Aliphatic C9-C28          | 3.175  | 16.862 | 2867480  | 22.228 | 1200             | ug/ml |