

## Report of Analysis

|                    |                           |                 |          |
|--------------------|---------------------------|-----------------|----------|
| Client:            | Chemtech Consulting Group | Date Collected: | 07/11/23 |
| Project:           | LOD-LOQ Study             | Date Received:  | 07/11/23 |
| Client Sample ID:  | LOQ-SOIL-02-QT3-2023      | SDG No.:        | O3572    |
| Lab Sample ID:     | O3572-02                  | Matrix:         | Solid    |
| Analytical Method: | NJEPH                     | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.05 Units: g            | Final Vol:      | 2000 uL  |
| Soil Aliquot Vol:  | uL                        | Test:           | EPH      |
| Prep Method :      |                           |                 |          |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/03/23 08:00 | 08/09/23 14:28  | PB154615      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.81  | J         | 1        | 0.24 | 1.00       | mg/kg             | FD046314.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.55  | J         | 1        | 0.14 | 0.67       | mg/kg             | FD046314.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.94  | J         | 1        | 0.21 | 1.00       | mg/kg             | FD046314.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 1.47  |           | 1        | 0.46 | 1.33       | mg/kg             | FD046314.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.15  |           | 1        | 1.02 | 2.00       | mg/kg             | FD046314.D |
| Total AliphaticEPH | Total AliphaticEPH | 5.92  | J         |          | 2.07 | 5.99       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 0     | U         |          | 0    | 0          | mg/kg             |            |
| Total EPH          | Total EPH          | 5.92  | J         |          | 2.07 | 5.99       | 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

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|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.81  | J         | 1        | 0.24 | 1.00       | mg/kg             | FD046314.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.55  | J         | 1        | 0.14 | 0.67       | mg/kg             | FD046314.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.94  | J         | 1        | 0.21 | 1.00       | mg/kg             | FD046314.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 1.47  |           | 1        | 0.46 | 1.33       | mg/kg             | FD046314.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.15  |           | 1        | 1.02 | 2.00       | mg/kg             | FD046314.D |
| Total AliphaticEPH | Total AliphaticEPH | 5.92  | J         |          | 2.07 | 5.99       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 0     | U         |          | 0    | 0          | mg/kg             |            |
| Total EPH          | Total EPH          | 5.92  | J         |          | 2.07 | 5.99       | mg/kg             |            |

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| Soil Aliquot Vol:  | uL                        | Test:           | EPH                  |
| Prep Method :      |                           |                 |                      |

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| 08/03/23 08:00 | 08/09/23 14:28  | PB154615      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.81  | J         | 1        | 0.24 | 1.00       | mg/kg             | FD046314.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.55  | J         | 1        | 0.14 | 0.67       | mg/kg             | FD046314.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.94  | J         | 1        | 0.21 | 1.00       | mg/kg             | FD046314.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 1.47  |           | 1        | 0.46 | 1.33       | mg/kg             | FD046314.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.15  |           | 1        | 1.02 | 2.00       | mg/kg             | FD046314.D |
| Total AliphaticEPH | Total AliphaticEPH | 5.92  | J         |          | 2.07 | 5.99       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 0     | U         |          | 0    | 0          | mg/kg             |            |
| Total EPH          | Total EPH          | 5.92  | J         |          | 2.07 | 5.99       | mg/kg             |            |

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284 Sheffield Street, Mountainside NJ 07092 Phone: 908 789 8900 Fax : 908 789 8922

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| Project:           | LOD-LOQ Study             | Date Received:  | 07/11/23             |
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| Lab Sample ID:     | O3572-02                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                     | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.05      Units:    g    | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                        | Test:           | EPH                  |
| Prep Method :      |                           |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC064328.D | 1         | 08/03/23    | 08/04/23        | PB154615      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.72  | J         | 0.24     | 1.00       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.61  | J         | 0.14     | 0.67       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 1.01  |           | 0.21     | 1.00       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 1.36  |           | 0.46     | 1.33       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 2.00  |           | 1.02     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 34.4  |           | 40 - 140 | 69%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Quantitation Report For Aliphatic EPH Range.

|                   |                      |                    |                   |
|-------------------|----------------------|--------------------|-------------------|
| Lab Sample ID:    | O3572-02             | Acq On:            | 04 Aug 2023 11:32 |
| Client Sample ID: | LOQ-SOIL-02-QT3-2023 | Operator:          | YP/AJ             |
| Data file:        | FC064328.D           | Misc:              | LOQ 5 PPM         |
| Instrument:       | FID_C                | ALS Vial:          | 36                |
| Dilution Factor:  | 1                    | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.205  | 6.477  | 1763750  | 10.82  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.478  | 9.864  | 1445384  | 9.199  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.865  | 13.215 | 2285539  | 15.115 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.216 | 16.860 | 2842251  | 20.499 | 400              | ug/ml |
| Aliphatic C28-C40         | 16.861 | 21.693 | 4131132  | 30.081 | 600              | ug/ml |
| Aliphatic EPH             | 3.205  | 21.693 | 12468056 | 85.714 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.949 | 12.949 | 4339511  | 34.41  |                  | ug/ml |
| Aliphatic C9-C28          | 3.205  | 16.860 | 8336924  | 55.633 | 1200             | ug/ml |