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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Earth Engineering Inc. | Date Collected: | |
| Project: | 1500 Oak | Date Received: | |
| Client Sample ID: | TP-10MSD | SDG No.: | Q2342 |
| Lab Sample ID: | Q2347-01MSD | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 90 |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 06/18/25 09:13 | 06/18/25 19:30 | PB168533 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 34.9 | | 1 | 1.31 | 2.22 | mg/kg | FE054491.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 90.0 | E | 1 | 1.01 | 4.44 | mg/kg | FE054491.D |
| Total AliphaticEPH | Total AliphaticEPH | 125 | | | 2.32 | 6.66 | mg/kg | |
| Total EPH | Total EPH | 125 | | | 2.32 | 6.66 | 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: | 1500 Oak | | Date Received: | | |
| Client Sample ID: | TP-10MSD | | SDG No.: | Q2342 | |
| Lab Sample ID: | Q2347-01MSD | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 90 | |
| Sample Wt/Vol: | 30.01 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 |
|---|---|---|---|---|
| FE054491.D | 1 | 06/18/25 | 06/18/25 | PB168533 |

| CAS Number | Parameter | | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | | 90.0 | E | 1.01 | 4.44 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | | 34.9 | | 1.31 | 2.22 | mg/kg |
| **SURROGATES** | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | | 40.1 | | 40 - 140 | 80% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | | 36.6 | | 40 - 140 | 73% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2347-01MSD | Acq On: | 18 Jun 2025 19:30 |
| Client Sample ID: | TP-10MSD | Operator: | YP\AJ |
| Data file: | FE054491.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 21 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.072 | 6.717 | 24379794 | 194.641 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.718 | 10.164 | 35420577 | 270.073 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.165 | 13.536 | 42354191 | 316.251 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.537 | 17.204 | 55335784 | 435.479 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.205 | 22.063 | 60387442 | 470.874 | 600 | ug/ml |
| Aliphatic EPH | 3.072 | 22.063 | 217877788 | 1690 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.824 | 11.824 | 6047855 | 36.6 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.268 | 13.268 | 4884692 | 40.06 | | ug/ml |
| Aliphatic C9-C28 | 3.072 | 17.204 | 157490346 | 1220 | 1200 | ug/ml |