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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-1	SDG No.:	Q2342
Lab Sample ID:	Q2342-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.06 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 15:26	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.08		1	1.38	2.33	mg/kg	FE054483.D
Aliphatic C9-C28	Aliphatic C9-C28	5.67		1	1.06	4.67	mg/kg	FE054483.D
Total AliphaticEPH	Total AliphaticEPH	10.8			2.44	7.00	mg/kg	
Total EPH	Total EPH	10.8			2.44	7.00	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054483.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	5.67		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.08		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.4		40 - 140	69%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2342-01	Acq On:	18 Jun 2025 15:26
Client Sample ID:	S-1	Operator:	YP\AJ
Data file:	FE054483.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	2198536	17.552	300	ug/ml
Aliphatic C12-C16	6.718	10.164	870600	6.638	200	ug/ml
Aliphatic C16-C21	10.165	13.536	5223756	39.005	300	ug/ml
Aliphatic C21-C28	13.537	17.204	1255596	9.881	400	ug/ml
Aliphatic C28-C40	17.205	22.063	8380030	65.344	600	ug/ml
Aliphatic EPH	3.072	22.063	17928518	138.42		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	5683141	34.39		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	4603007	37.75		ug/ml
Aliphatic C9-C28	3.072	17.204	9548488	73.076	1200	ug/ml