

## Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-5	SDG No.:	Q3001
Lab Sample ID:	Q3001-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.07      Units:    g	Final Vol:	2000                      uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 20:30	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	3.87		1	1.29	2.19	mg/kg	FE055649.D
Aliphatic C9-C28	Aliphatic C9-C28	15.3		1	1.00	4.37	mg/kg	FE055649.D
Total AliphaticEPH	Total AliphaticEPH	19.2			2.29	6.56	mg/kg	
Total EPH	Total EPH	19.2			2.29	6.56	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055649.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	15.3		1.00	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.87		1.29	2.19	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	36.1		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-05	Acq On:	03 Sep 2025 20:30
Client Sample ID:	S-5	Operator:	YP\AJ
Data file:	FE055649.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	500001	3.894	300	ug/ml
Aliphatic C12-C16	6.949	10.401	894315	6.62	200	ug/ml
Aliphatic C16-C21	10.402	13.781	20657338	143.238	300	ug/ml
Aliphatic C21-C28	13.782	17.452	8215852	57.359	400	ug/ml
Aliphatic C28-C40	17.453	22.470	7316963	53.129	600	ug/ml
Aliphatic EPH	3.314	22.470	37584469	264.24		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	5509858	33.54		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4514161	36.1		ug/ml
Aliphatic C9-C28	3.314	17.452	30267506	211.111	1200	ug/ml