

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-6	SDG No.:	Q3001
Lab Sample ID:	Q3001-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 21:00	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.91		1	1.29	2.19	mg/kg	FE055650.D
Total AliphaticEPH	Total AliphaticEPH	130			3.28	10.9	mg/kg	
Total EPH	Total EPH	130			3.28	10.9	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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TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4.91		1	1.29	2.19	mg/kg FE055650.D
Aliphatic C9-C28	Aliphatic C9-C28	125		2	1.99	8.76	mg/kg FE055657.D
Total AliphaticEPH	Total AliphaticEPH	130			3.28	10.9	mg/kg
Total EPH	Total EPH	130			3.28	10.9	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.

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Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055650.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	107	E	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.91		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.1		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-06	Acq On:	03 Sep 2025 21:00
Client Sample ID:	S-6	Operator:	YP\AJ
Data file:	FE055650.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	698460	5.44	300	ug/ml
Aliphatic C12-C16	6.949	10.401	8557633	63.345	200	ug/ml
Aliphatic C16-C21	10.402	13.781	138877945	962.978	300	ug/ml
Aliphatic C21-C28	13.782	17.452	62061670	433.283	400	ug/ml
Aliphatic C28-C40	17.453	22.470	9264426	67.27	600	ug/ml
Aliphatic EPH	3.314	22.470	219460134	1530		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	5356867	32.61		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	4512783	36.09		ug/ml
Aliphatic C9-C28	3.314	17.452	210195708	1470	1200	ug/ml