

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/21/25 09:00	07/21/25 17:34	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1	1.24	2.11	mg/kg	FE054945.D
Aliphatic C9-C28	Aliphatic C9-C28	4.89		1	0.96	4.23	mg/kg	FE054945.D
Total AliphaticEPH	Total AliphaticEPH	16.6			2.20	6.34	mg/kg	
Total EPH	Total EPH	16.6			2.20	6.34	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054945.D	1	07/21/25	07/21/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.89		0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.9		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.6		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2651-01	Acq On:	21 Jul 2025 17:34
Client Sample ID:	MH 2-1	Operator:	YP\AJ
Data file:	FE054945.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.330	6.963	3080565	22.642	300	ug/ml
Aliphatic C12-C16	6.964	10.415	1434704	10.206	200	ug/ml
Aliphatic C16-C21	10.416	13.793	1273485	8.82	300	ug/ml
Aliphatic C21-C28	13.794	17.463	4023636	27.816	400	ug/ml
Aliphatic C28-C40	17.464	22.490	23108376	166.67	600	ug/ml
Aliphatic EPH	3.330	22.490	32920766	236.154		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	3662606	22.55		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	2886154	22.85		ug/ml
Aliphatic C9-C28	3.330	17.463	9812390	69.484	1200	ug/ml