

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
Sample Wt/Vol:	30.08 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	07/22/25 9:54	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1	1.27	2.15	mg/kg	FE054956.D
Aliphatic C9-C28	Aliphatic C9-C28	2.24	J	1	0.98	4.29	mg/kg	FE054956.D
Total AliphaticEPH	Total AliphaticEPH	27.4			2.25	6.44	mg/kg	
Total EPH	Total EPH	27.4			2.25	6.44	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
FE054956.D	1	07/21/25	07/22/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.24	J	0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.9		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2651-05	Acq On:	22 Jul 2025 09:54
Client Sample ID:	MH 9-8	Operator:	YP\AJ
Data file:	FE054956.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	415192	3.052	300	ug/ml
Aliphatic C12-C16	6.961	10.412	723703	5.148	200	ug/ml
Aliphatic C16-C21	10.413	13.791	1286154	8.907	300	ug/ml
Aliphatic C21-C28	13.792	17.461	2058108	14.228	400	ug/ml
Aliphatic C28-C40	17.462	22.488	48861337	352.414	600	ug/ml
Aliphatic EPH	3.325	22.488	53344494	383.75		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	5674282	34.94		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	4640870	36.75		ug/ml
Aliphatic C9-C28	3.325	17.461	4483157	31.335	1200	ug/ml