

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	1710 N4 Ave		Date Received:		
Client Sample ID:	MH-E/FMS		SDG No.:	Q2431	
Lab Sample ID:	Q2430-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.2	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:05	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1	1.34	2.26	mg/kg	FG016160.D
Aliphatic C9-C28	Aliphatic C9-C28	91.0	E	1	1.03	4.53	mg/kg	FG016160.D
Total AliphaticEPH	Total AliphaticEPH	130			2.37	6.79	mg/kg	
Total EPH	Total EPH	130			2.37	6.79	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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Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016160.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	91.0	E	1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.1		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-01MS	Acq On:	27 Jun 2025 18:05
Client Sample ID:	Q2430-01MS	Operator:	YP\AJ
Data file:	FG016160.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	23922255	218.801	300	ug/ml
Aliphatic C12-C16	6.956	10.413	28002403	250.414	200	ug/ml
Aliphatic C16-C21	10.414	13.802	37290163	325.736	300	ug/ml
Aliphatic C21-C28	13.803	17.485	46989203	410.78	400	ug/ml
Aliphatic C28-C40	17.486	22.536	47679276	518.277	600	ug/ml
Aliphatic EPH	3.316	22.536	183883300	1720		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4148176	32.15		ug/ml
1-chlorooctadecane (SURR)	13.535	13.535	3392723	33.67		ug/ml
Aliphatic C9-C28	3.316	17.485	136204024	1210	1200	ug/ml