

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-1	SDG No.:	Q2431
Lab Sample ID:	Q2431-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.04 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 17:55	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1	1.38	2.33	mg/kg	FE054618.D
Aliphatic C9-C28	Aliphatic C9-C28	5.27		1	1.06	4.67	mg/kg	FE054618.D
Total AliphaticEPH	Total AliphaticEPH	10.5			2.44	7.00	mg/kg	
Total EPH	Total EPH	10.5			2.44	7.00	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
FE054618.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	5.27		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-01	Acq On:	27 Jun 2025 17:55
Client Sample ID:	S-1	Operator:	YP\AJ
Data file:	FE054618.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.943	4058554	29.83	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1143067	8.132	200	ug/ml
Aliphatic C16-C21	10.392	13.764	1588634	11.002	300	ug/ml
Aliphatic C21-C28	13.765	17.429	2712963	18.755	400	ug/ml
Aliphatic C28-C40	17.430	22.428	9379397	67.649	600	ug/ml
Aliphatic EPH	3.317	22.428	18882615	135.368		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	5301058	32.64		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	4110560	32.55		ug/ml
Aliphatic C9-C28	3.317	17.429	9503218	67.719	1200	ug/ml