

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-4	SDG No.:	Q2431
Lab Sample ID:	Q2431-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
Sample Wt/Vol:	30.01 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 19:25	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1	1.39	2.36	mg/kg FE054621.D
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1	1.07	4.73	mg/kg FE054621.D
Total AliphaticEPH	Total AliphaticEPH	9.96			2.46	7.09	mg/kg
Total EPH	Total EPH	9.96			2.46	7.09	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
FE054621.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	6.21		1.07	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-04	Acq On:	27 Jun 2025 19:25
Client Sample ID:	S-4	Operator:	YP\AJ
Data file:	FE054621.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.943	3869525	28.441	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1049050	7.463	200	ug/ml
Aliphatic C16-C21	10.392	13.764	1776999	12.307	300	ug/ml
Aliphatic C21-C28	13.765	17.429	4418936	30.549	400	ug/ml
Aliphatic C28-C40	17.430	22.428	6595023	47.567	600	ug/ml
Aliphatic EPH	3.317	22.428	17709533	126.326		ug/ml
ortho-Terphenyl (SURR)	12.066	12.066	5265543	32.42		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	4071607	32.24		ug/ml
Aliphatic C9-C28	3.317	17.429	11114510	78.76	1200	ug/ml