

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-5	SDG No.:	Q2342
Lab Sample ID:	Q2342-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 17:28	PB168533

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.84		1	1.38	2.33	mg/kg	FE054487.D
Aliphatic C9-C28	Aliphatic C9-C28	3.30	J	1	1.06	4.68	mg/kg	FE054487.D
Total AliphaticEPH	Total AliphaticEPH	7.14			2.44	7.01	mg/kg	
Total EPH	Total EPH	7.14			2.44	7.01	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054487.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.30	J	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.84		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.9		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.4		40 - 140	91%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2342-05	Acq On:	18 Jun 2025 17:28
Client Sample ID:	S-5	Operator:	YP\AJ
Data file:	FE054487.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	3.072	6.717	1982597	15.828	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1298773	9.903	200	ug/ml
Aliphatic C16-C21	10.165	13.536	710777	5.307	300	ug/ml
Aliphatic C21-C28	13.537	17.204	1449862	11.41	400	ug/ml
Aliphatic C28-C40	17.205	22.063	6331413	49.37	600	ug/ml
Aliphatic EPH	3.072	22.063	11773422	91.818		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	7507109	45.43		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	6087004	49.91		ug/ml
Aliphatic C9-C28	3.072	17.204	5442009	42.448	1200	ug/ml