

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-2	SDG No.:	Q2342
Lab Sample ID:	Q2342-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.2
Sample Wt/Vol:	30.08	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 15:57	PB168533

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.30		1	1.37	2.31	mg/kg	FE054484.D
Aliphatic C9-C28	Aliphatic C9-C28	3.89	J	1	1.05	4.63	mg/kg	FE054484.D
Total AliphaticEPH	Total AliphaticEPH	8.19			2.42	6.94	mg/kg	
Total EPH	Total EPH	8.19			2.42	6.94	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
FE054484.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	3.89	J	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.30		1.37	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.0		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.1		40 - 140	96%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2342-02	Acq On:	18 Jun 2025 15:57
Client Sample ID:	S-2	Operator:	YP\AJ
Data file:	FE054484.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	3.072	6.717	2010003	16.047	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1055093	8.045	200	ug/ml
Aliphatic C16-C21	10.165	13.536	1329123	9.924	300	ug/ml
Aliphatic C21-C28	13.537	17.204	2070779	16.297	400	ug/ml
Aliphatic C28-C40	17.205	22.063	7151595	55.765	600	ug/ml
Aliphatic EPH	3.072	22.063	13616593	106.078		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	7942859	48.07		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	6825320	55.97		ug/ml
Aliphatic C9-C28	3.072	17.204	6464998	50.313	1200	ug/ml