

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	1500 Oak		Date Received:		
Client Sample ID:	PB168533BS		SDG No.:	Q2342	
Lab Sample ID:	PB168533BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 14:26	PB168533

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.0		1	1.18	2.00	mg/kg	FE054481.D
Aliphatic C9-C28	Aliphatic C9-C28	76.5		1	0.91	3.99	mg/kg	FE054481.D
Total AliphaticEPH	Total AliphaticEPH	102			2.09	5.99	mg/kg	
Total EPH	Total EPH	102			2.09	5.99	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
FE054481.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	76.5		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.4		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168533BS	Acq On:	18 Jun 2025 14:26
Client Sample ID:	PB168533BS	Operator:	YP\AJ
Data file:	FE054481.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	22849447	182.423	300	ug/ml
Aliphatic C12-C16	6.718	10.164	34838101	265.632	200	ug/ml
Aliphatic C16-C21	10.165	13.536	40725092	304.087	300	ug/ml
Aliphatic C21-C28	13.537	17.204	50339219	396.157	400	ug/ml
Aliphatic C28-C40	17.205	22.063	48215138	375.96	600	ug/ml
Aliphatic EPH	3.072	22.063	196966997	1520		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	6730578	40.73		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	5295781	43.43		ug/ml
Aliphatic C9-C28	3.072	17.204	148751859	1150	1200	ug/ml