

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1500 Oak	Date Received:	
Client Sample ID:	PB168533BSD	SDG No.:	Q2342
Lab Sample ID:	PB168533BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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
06/18/25 09:13	06/18/25 14:56	PB168533

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	1.18	2.00	mg/kg	FE054482.D
Aliphatic C9-C28	Aliphatic C9-C28	75.8		1	0.91	4.00	mg/kg	FE054482.D
Total AliphaticEPH	Total AliphaticEPH	100			2.09	6.00	mg/kg	
Total EPH	Total EPH	100			2.09	6.00	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
FE054482.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	75.8		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.0		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168533BSD	Acq On:	18 Jun 2025 14:56
Client Sample ID:	PB168533BSD	Operator:	YP\AJ
Data file:	FE054482.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	21928824	175.073	300	ug/ml
Aliphatic C12-C16	6.718	10.164	33395334	254.631	200	ug/ml
Aliphatic C16-C21	10.165	13.536	43674658	326.111	300	ug/ml
Aliphatic C21-C28	13.537	17.204	48337171	380.402	400	ug/ml
Aliphatic C28-C40	17.205	22.063	47117311	367.4	600	ug/ml
Aliphatic EPH	3.072	22.063	194453298	1500		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	6448800	39.03		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	5071682	41.59		ug/ml
Aliphatic C9-C28	3.072	17.204	147335987	1140	1200	ug/ml