

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BS	SDG No.:	Q2431
Lab Sample ID:	PB168635BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 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 08:00	07/03/25 12:09	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1	1.18	2.00	mg/kg	FE054686.D
Aliphatic C9-C28	Aliphatic C9-C28	81.0	E	1	0.91	3.99	mg/kg	FE054686.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			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
FE054686.D	1	06/27/25	07/03/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	81.0	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.4		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BS	Acq On:	03 Jul 2025 12:09
Client Sample ID:	PB168635BS	Operator:	YP\AJ
Data file:	FE054686.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	3.321	6.950	31856855	234.147	300	ug/ml
Aliphatic C12-C16	6.951	10.400	41395356	294.486	200	ug/ml
Aliphatic C16-C21	10.401	13.777	46667381	323.196	300	ug/ml
Aliphatic C21-C28	13.778	17.447	52817187	365.133	400	ug/ml
Aliphatic C28-C40	17.448	22.460	55402360	399.592	600	ug/ml
Aliphatic EPH	3.321	22.460	228139139	1620		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6576935	40.5		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5225380	41.37		ug/ml
Aliphatic C9-C28	3.321	17.447	172736779	1220	1200	ug/ml