

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	RT2286MS	SDG No.:	Q2651
Lab Sample ID:	Q2635-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
07/21/25 09:00	07/21/25 16:03	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	40.6		1	1.39	2.36	mg/kg	FE054942.D
Aliphatic C9-C28	Aliphatic C9-C28	97.7	E	1	1.07	4.71	mg/kg	FE054942.D
Total AliphaticEPH	Total AliphaticEPH	138			2.46	7.08	mg/kg	
Total EPH	Total EPH	138			2.46	7.08	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054942.D	1	07/21/25	07/21/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	97.7	E	1.07	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	40.6		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.1		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.0		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2635-01MS	Acq On:	21 Jul 2025 16:03
Client Sample ID:	Q2635-01MS	Operator:	YP\AJ
Data file:	FE054942.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.330	6.963	19881309	146.127	300	ug/ml
Aliphatic C12-C16	6.964	10.415	33100247	235.475	200	ug/ml
Aliphatic C16-C21	10.416	13.793	67607910	468.219	300	ug/ml
Aliphatic C21-C28	13.794	17.463	56938977	393.628	400	ug/ml
Aliphatic C28-C40	17.464	22.490	71655580	516.818	600	ug/ml
Aliphatic EPH	3.330	22.490	249184023	1760		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	4543317	27.98		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	3673007	29.08		ug/ml
Aliphatic C9-C28	3.330	17.463	177528443	1240	1200	ug/ml