

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/13/25 9:17	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	177		10	13.5	22.8	mg/kg	FE055283.D
Aliphatic C9-C28	Aliphatic C9-C28	88.4		1	1.04	4.56	mg/kg	FE055259.D
Total AliphaticEPH	Total AliphaticEPH	265			14.5	27.4	mg/kg	
Total EPH	Total EPH	265			14.5	27.4	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
FE055259.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	88.4		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	162	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.1		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.3		40 - 140	115%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2818-01	Acq On:	12 Aug 2025 16:27
Client Sample ID:	B-2-5-1	Operator:	YP\AJ
Data file:	FE055259.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	3118496	26.703	300	ug/ml
Aliphatic C12-C16	6.960	10.413	10124600	80.85	200	ug/ml
Aliphatic C16-C21	10.414	13.793	37716984	298.382	300	ug/ml
Aliphatic C21-C28	13.794	17.466	91164955	756.52	400	ug/ml
Aliphatic C28-C40	17.467	22.498	243727810	2140	600	ug/ml
Aliphatic EPH	3.323	22.498	385852845	3300		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	8181382	57.29		ug/ml
1-chlorooctadecane (SURR)	13.529	13.529	6358946	59.14		ug/ml
Aliphatic C9-C28	3.323	17.466	142125035	1160	1200	ug/ml