

Report of Analysis

Client:	G Environmental	Date Collected:	07/25/25
Project:	Freehold	Date Received:	07/25/25
Client Sample ID:	FG1A	SDG No.:	Q2705
Lab Sample ID:	Q2705-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/28/25 09:00	07/29/25 11:39	PB169021

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	54.4		2	2.58	4.37	mg/kg	FE055063.D
Aliphatic C9-C28	Aliphatic C9-C28	2.62	J	1	0.99	4.37	mg/kg	FE055051.D
Total AliphaticEPH	Total AliphaticEPH	57.0			3.57	8.74	mg/kg	
Total EPH	Total EPH	57.0			3.57	8.74	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
FE055051.D	1	07/28/25	07/28/25	PB169021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.62	J	0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	55.6	E	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.8		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2705-01	Acq On:	28 Jul 2025 16:50
Client Sample ID:	FG1A	Operator:	YP\AJ
Data file:	FE055051.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.324	6.959	404757	3.265	300	ug/ml
Aliphatic C12-C16	6.960	10.413	1013613	7.626	200	ug/ml
Aliphatic C16-C21	10.414	13.792	1169776	8.92	300	ug/ml
Aliphatic C21-C28	13.793	17.462	2018560	16.18	400	ug/ml
Aliphatic C28-C40	17.463	22.490	91893567	762.673	600	ug/ml
Aliphatic EPH	3.324	22.490	96500273	798.664		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	4230434	28.58		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	3339559	29.82		ug/ml
Aliphatic C9-C28	3.324	17.462	4606706	35.991	1200	ug/ml