284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	07/25/25
Project:	Freehold			Date Received:	07/25/25
Client Sample ID:	FG1B			SDG No.:	Q2705
Lab Sample ID:	Q2705-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.9
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/28/25 09:00	07/28/25 17:21	PB169021

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	35.7		1	1.37	2.33	mg/kg	FE055052.D
Aliphatic C9-C28	Aliphatic C9-C28	4.50	J	1	1.06	4.64	mg/kg	FE055052.D
Total AliphaticEPH	Total AliphaticEPH	40.2			2.43	6.97	mg/kg	
Total EPH	Total EPH	40.2			2.43	6.97	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
FE055052.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		4.50	J	1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		35.7		1.37	2.33	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.6		40 - 140	71%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2705-02	Acq On:	28 Jul 2025 17:21
Client Sample ID:	FG1B	Operator:	YP\AJ
Data file:	FE055052.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	3.324	6.959	327425	2.641	300	ug/ml
Aliphatic C12-C16	6.960	10.413	814119	6.125	200	ug/ml
Aliphatic C16-C21	10.414	13.792	4995857	38.097	300	ug/ml
Aliphatic C21-C28	13.793	17.462	1408018	11.286	400	ug/ml
Aliphatic C28-C40	17.463	22.490	55539065	460.948	600	ug/ml
Aliphatic EPH	3.324	22.490	63084484	519.097		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	5266198	35.58		ug/ml
1-chlorooctadecane (SURR)	13.529	13.529	4202139	37.52		ug/ml
Aliphatic C9-C28	3.324	17.462	7545419	58.149	1200	ug/ml