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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Freehold			Date Received:	
Client Sample ID:	RT-5417MSD			SDG No.:	Q2705
Lab Sample ID:	Q2706-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.2
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
07/28/25 09:00	07/28/25 19:46	PB169021

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	44.2	E	1	1.28	2.17	mg/kg	FC069553.D
Aliphatic C9-C28	Aliphatic C9-C28	83.8		1	0.99	4.33	mg/kg	FC069553.D
Total AliphaticEPH	Total AliphaticEPH	128			2.27	6.50	mg/kg	
Total EPH	Total EPH	128			2.27	6.50	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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Analytical Method:	NJEPH		% Solid:	92.2	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069553.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	83.8		0.99	4.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	44.2	E	1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.1		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2706-01MSD	Acq On:	28 Jul 2025 19:46
Client Sample ID:	RT-5417MSD	Operator:	YP/AJ
Data file:	FC069553.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.602	24789350	178.341	300	ug/ml
Aliphatic C12-C16	6.603	10.006	35194892	244.284	200	ug/ml
Aliphatic C16-C21	10.007	13.376	42497727	312.49	300	ug/ml
Aliphatic C21-C28	13.377	17.043	50307736	422.793	400	ug/ml
Aliphatic C28-C40	17.044	22.029	54970151	611.573	600	ug/ml
Aliphatic EPH	3.303	22.029	207759856	1770		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	5511304	37.14		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	4406683	38.99		ug/ml
Aliphatic C9-C28	3.303	17.043	152789705	1160	1200	ug/ml