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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Hillside			Date Received:	
Client Sample ID:	GC1MS			SDG No.:	Q1987
Lab Sample ID:	Q1987-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86.6
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
05/13/25 09:35	05/13/25 17:41	PB167974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	47.3	E	1	1.36	2.31	mg/kg	FC068853.D
Aliphatic C9-C28	Aliphatic C9-C28	127	E	1	1.05	4.61	mg/kg	FC068853.D
Total AliphaticEPH	Total AliphaticEPH	174			2.41	6.92	mg/kg	
Total EPH	Total EPH	174			2.41	6.92	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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Lab Sample ID:	Q1987-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.6	
Sample Wt/Vol:	30.03 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
FC068853.D	1	05/13/25	05/13/25	PB167974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	127	E	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	47.3	E	1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.9		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1987-01MS	Acq On:	13 May 2025 17:41
Client Sample ID:	GC1MS	Operator:	YP/AJ
Data file:	FC068853.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	23401905	236.065	300	ug/ml
Aliphatic C12-C16	6.642	10.040	33231391	365.243	200	ug/ml
Aliphatic C16-C21	10.041	13.406	40245810	469.282	300	ug/ml
Aliphatic C21-C28	13.407	17.068	48208559	580.189	400	ug/ml
Aliphatic C28-C40	17.069	22.062	52100219	615.677	600	ug/ml
Aliphatic EPH	3.341	22.062	197187884	2270		ug/ml
ortho-Terphenyl (SURR)	11.709	11.709	3646047	31.94		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	2889403	36.02		ug/ml
Aliphatic C9-C28	3.341	17.068	145087665	1650	1200	ug/ml