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

Report of Analysis

Client:	PSEG	Date Collected:	04/30/25
Project:	Galloping Hills Sub OP	Date Received:	04/30/25
Client Sample ID:	MH-R-EPH	SDG No.:	Q1922
Lab Sample ID:	Q1922-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/01/25 08:45	05/01/25 16:18	PB167819

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.96		1	1.33	2.25	mg/kg	FE053609.D
Aliphatic C9-C28	Aliphatic C9-C28	4.51	U	1	1.02	4.51	mg/kg	FE053609.D
Total AliphaticEPH	Total AliphaticEPH	2.96	J		2.36	6.76	mg/kg	
Total EPH	Total EPH	2.96	J		2.36	6.76	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053609.D	1	05/01/25	05/01/25	PB167819

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.96		1.33	2.25	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		24.1		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		21.4		40 - 140	43%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1922-02	Acq On:	01 May 2025 16:18
Client Sample ID:	MH-R-EPH	Operator:	YP\AJ
Data file:	FE053609.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.754	377523	2.725	300	ug/ml
Aliphatic C12-C16	6.755	10.203	890628	6.281	200	ug/ml
Aliphatic C16-C21	10.204	13.577	410870	2.826	300	ug/ml
Aliphatic C21-C28	13.578	17.245	951508	6.693	400	ug/ml
Aliphatic C28-C40	17.246	22.133	5094720	39.479	600	ug/ml
Aliphatic EPH	3.114	22.133	7725249	58.003		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	3864635	21.43		ug/ml
1-chlorooctadecane (SURR)	13.309	13.309	3263938	24.15		ug/ml
Aliphatic C9-C28	3.114	17.245	2630529	18.525	1200	ug/ml