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

Report of Analysis

Client:	PSEG			Date Collected:	05/01/25
Project:	Galloping Hills Sub OP			Date Received:	05/01/25
Client Sample ID:	MH-MM-EPH			SDG No.:	Q1935
Lab Sample ID:	Q1935-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88.6
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 18:24	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.55		1	1.33	2.26	mg/kg	FE053628.D
Aliphatic C9-C28	Aliphatic C9-C28	4.51	U	1	1.03	4.51	mg/kg	FE053628.D
Total AliphaticEPH	Total AliphaticEPH	3.55	J		2.36	6.77	mg/kg	
Total EPH	Total EPH	3.55	J		2.36	6.77	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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Project:	Galloping Hills Sub OP		Date Received:	05/01/25	
Client Sample ID:	MH-MM-EPH		SDG No.:	Q1935	
Lab Sample ID:	Q1935-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.6	
Sample Wt/Vol:	30.01	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
FE053628.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.55		1.33	2.26	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		33.1		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1935-06	Acq On:	02 May 2025 18:24
Client Sample ID:	MH-MM-EPH	Operator:	YP\AJ
Data file:	FE053628.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	3.114	6.755	458244	3.307	300	ug/ml
Aliphatic C12-C16	6.756	10.204	777204	5.481	200	ug/ml
Aliphatic C16-C21	10.205	13.579	646485	4.447	300	ug/ml
Aliphatic C21-C28	13.580	17.248	1008374	7.093	400	ug/ml
Aliphatic C28-C40	17.249	22.135	6089584	47.188	600	ug/ml
Aliphatic EPH	3.114	22.135	8979891	67.516		ug/ml
ortho-Terphenyl (SURR)	11.866	11.866	5962306	33.06		ug/ml
1-chlorooctadecane (SURR)	13.311	13.311	4858151	35.94		ug/ml
Aliphatic C9-C28	3.114	17.248	2890307	20.328	1200	ug/ml