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

Report of Analysis

Client:	PSEG	Date Collected:	04/28/25
Project:	Galloping Hills Sub OP	Date Received:	04/28/25
Client Sample ID:	MH-G-EPH	SDG No.:	Q1905
Lab Sample ID:	Q1905-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/29/25 09:05	04/29/25 16:13	PB167778

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.95		1	1.33	2.25	mg/kg	FE053571.D
Aliphatic C9-C28	Aliphatic C9-C28	7.09		1	1.02	4.51	mg/kg	FE053571.D
Total AliphaticEPH	Total AliphaticEPH	12.0			2.35	6.76	mg/kg	
Total EPH	Total EPH	12.0			2.35	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053571.D	1	04/29/25	04/29/25	PB167778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.09		1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.95		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.0		40 - 140	50%	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:	Q1905-02	Acq On:	29 Apr 2025 16:13
Client Sample ID:	MH-G-EPH	Operator:	YP\AJ
Data file:	FE053571.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	3.116	6.759	497903	3.593	300	ug/ml
Aliphatic C12-C16	6.760	10.208	1649195	11.63	200	ug/ml
Aliphatic C16-C21	10.209	13.583	4370018	30.063	300	ug/ml
Aliphatic C21-C28	13.584	17.253	7000607	49.239	400	ug/ml
Aliphatic C28-C40	17.254	22.144	8508176	65.93	600	ug/ml
Aliphatic EPH	3.116	22.144	22025899	160.455		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	3854791	21.37		ug/ml
1-chlorooctadecane (SURR)	13.313	13.313	3379643	25		ug/ml
Aliphatic C9-C28	3.116	17.253	13517723	94.525	1200	ug/ml