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-Q	SDG No.:	Q1928
Lab Sample ID:	Q1928-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.06 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 18:27	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.93		1	1.35	2.29	mg/kg	FC068752.D
Aliphatic C9-C28	Aliphatic C9-C28	4.63		1	1.04	4.59	mg/kg	FC068752.D
Total AliphaticEPH	Total AliphaticEPH	10.6			2.39	6.88	mg/kg	
Total EPH	Total EPH	10.6			2.39	6.88	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:	87.1
Sample Wt/Vol:	30.06 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
FC068752.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	4.63		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.93		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.3		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.9		40 - 140	48%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1928-01	Acq On:	02 May 2025 18:27
Client Sample ID:	MH-Q	Operator:	YP/AJ
Data file:	FC068752.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	320606	3.045	300	ug/ml
Aliphatic C12-C16	6.646	10.046	712968	6.968	200	ug/ml
Aliphatic C16-C21	10.047	13.415	3152818	31.906	300	ug/ml
Aliphatic C21-C28	13.416	17.079	1767627	18.768	400	ug/ml
Aliphatic C28-C40	17.080	22.085	6981482	77.673	600	ug/ml
Aliphatic EPH	3.343	22.085	12935501	138.36		ug/ml
ortho-Terphenyl (SURR)	11.714	11.714	3048995	23.94		ug/ml
1-chlorooctadecane (SURR)	13.148	13.148	2353918	25.34		ug/ml
Aliphatic C9-C28	3.343	17.079	5954019	60.687	1200	ug/ml