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

Report of Analysis

Client:	PSEG	Date Collected:	05/06/25
Project:	Galloping Hills Sub OP	Date Received:	05/06/25
Client Sample ID:	MH-N	SDG No.:	Q1968
Lab Sample ID:	Q1968-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 11:17	05/07/25 19:55	PB167897

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.51		1	1.32	2.23	mg/kg	FE053699.D
Aliphatic C9-C28	Aliphatic C9-C28	1.70	J	1	1.02	4.47	mg/kg	FE053699.D
Total AliphaticEPH	Total AliphaticEPH	5.21	J		2.34	6.71	mg/kg	
Total EPH	Total EPH	5.21	J		2.34	6.71	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
FE053699.D	1	05/07/25	05/07/25	PB167897

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.70	J	1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.51		1.32	2.23	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.6		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		27.6		40 - 140	55%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1968-01	Acq On:	07 May 2025 19:55
Client Sample ID:	MH-N	Operator:	YP\AJ
Data file:	FE053699.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.110	6.753	488034	3.522	300	ug/ml
Aliphatic C12-C16	6.754	10.203	1185885	8.363	200	ug/ml
Aliphatic C16-C21	10.204	13.578	432202	2.973	300	ug/ml
Aliphatic C21-C28	13.579	17.247	1133750	7.974	400	ug/ml
Aliphatic C28-C40	17.248	22.135	6074946	47.075	600	ug/ml
Aliphatic EPH	3.110	22.135	9314817	69.907		ug/ml
ortho-Terphenyl (SURR)	11.863	11.863	4974315	27.58		ug/ml
1-chlorooctadecane (SURR)	13.308	13.308	3861982	28.57		ug/ml
Aliphatic C9-C28	3.110	17.247	3239871	22.832	1200	ug/ml