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-EPH	SDG No.:	Q1928
Lab Sample ID:	Q1928-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.5
Sample Wt/Vol:	30.02 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	05/05/25 11:24	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.85		1	1.36	2.31	mg/kg	FC068763.D
Aliphatic C9-C28	Aliphatic C9-C28	1.87	J	1	1.05	4.63	mg/kg	FC068763.D
Total AliphaticEPH	Total AliphaticEPH	4.72	J		2.41	6.94	mg/kg	
Total EPH	Total EPH	4.72	J		2.41	6.94	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
FC068763.D	1	05/02/25	05/05/25	PB167833

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.87	J	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.85		1.36	2.31	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.1		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.5		40 - 140	73%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1928-02	Acq On:	05 May 2025 11:24
Client Sample ID:	MH-Q-EPH	Operator:	YP/AJ
Data file:	FC068763.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.643	258813	2.458	300	ug/ml
Aliphatic C12-C16	6.644	10.043	506929	4.954	200	ug/ml
Aliphatic C16-C21	10.044	13.410	683720	6.919	300	ug/ml
Aliphatic C21-C28	13.411	17.073	931268	9.888	400	ug/ml
Aliphatic C28-C40	17.074	22.072	3321207	36.95	600	ug/ml
Aliphatic EPH	3.342	22.072	5701937	61.17		ug/ml
ortho-Terphenyl (SURR)	11.713	11.713	4643959	36.47		ug/ml
1-chlorooctadecane (SURR)	13.146	13.146	3909503	42.09		ug/ml
Aliphatic C9-C28	3.342	17.073	2380730	24.219	1200	ug/ml