

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-EPH	SDG No.:	Q1968
Lab Sample ID:	Q1968-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.07 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 20:25	PB167897

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.01		1	1.32	2.24	mg/kg	FE053700.D
Aliphatic C9-C28	Aliphatic C9-C28	4.48	U	1	1.02	4.48	mg/kg	FE053700.D
Total AliphaticEPH	Total AliphaticEPH	3.01	J		2.34	6.72	mg/kg	
Total EPH	Total EPH	3.01	J		2.34	6.72	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053700.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	0.000	U	1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.01		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.1		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.3		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1968-02	Acq On:	07 May 2025 20:25
Client Sample ID:	MH-N-EPH	Operator:	YP\AJ
Data file:	FE053700.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	3.110	6.753	490924	3.543	300	ug/ml
Aliphatic C12-C16	6.754	10.203	655463	4.622	200	ug/ml
Aliphatic C16-C21	10.204	13.578	366002	2.518	300	ug/ml
Aliphatic C21-C28	13.579	17.247	891413	6.27	400	ug/ml
Aliphatic C28-C40	17.248	22.135	5189543	40.214	600	ug/ml
Aliphatic EPH	3.110	22.135	7593345	57.167		ug/ml
ortho-Terphenyl (SURR)	11.861	11.861	4014977	22.26		ug/ml
1-chlorooctadecane (SURR)	13.307	13.307	3126674	23.13		ug/ml
Aliphatic C9-C28	3.110	17.247	2403802	16.953	1200	ug/ml