

Report of Analysis

Client:	PSEG	Date Collected:	05/01/25
Project:	Galloping Hills Sub OP	Date Received:	05/01/25
Client Sample ID:	MH-NN-EPH	SDG No.:	Q1935
Lab Sample ID:	Q1935-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/05/25 10:48	PB167833

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.46		1	1.34	2.28	mg/kg	FC068762.D
Aliphatic C9-C28	Aliphatic C9-C28	4.16	J	1	1.03	4.56	mg/kg	FC068762.D
Total AliphaticEPH	Total AliphaticEPH	10.6			2.38	6.84	mg/kg	
Total EPH	Total EPH	10.6			2.38	6.84	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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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
FC068762.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	4.16	J	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.46		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.7		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.4		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1935-02	Acq On:	05 May 2025 10:48
Client Sample ID:	MH-NN-EPH	Operator:	YP/AJ
Data file:	FC068762.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.643	267444	2.54	300	ug/ml
Aliphatic C12-C16	6.644	10.043	442329	4.323	200	ug/ml
Aliphatic C16-C21	10.044	13.410	4736626	47.934	300	ug/ml
Aliphatic C21-C28	13.411	17.073	676942	7.187	400	ug/ml
Aliphatic C28-C40	17.074	22.072	7652340	85.137	600	ug/ml
Aliphatic EPH	3.342	22.072	13775681	147.121		ug/ml
ortho-Terphenyl (SURR)	11.713	11.713	4256582	33.43		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3220724	34.67		ug/ml
Aliphatic C9-C28	3.342	17.073	6123341	61.984	1200	ug/ml