

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	SDG No.:	Q1935
Lab Sample ID:	Q1935-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.05	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	05/02/25 16:53	PB167833

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.05		1	1.34	2.26	mg/kg	FE053625.D
Aliphatic C9-C28	Aliphatic C9-C28	4.53	U	1	1.03	4.53	mg/kg	FE053625.D
Total AliphaticEPH	Total AliphaticEPH	4.05	J		2.37	6.79	mg/kg	
Total EPH	Total EPH	4.05	J		2.37	6.79	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053625.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	0.000	U	1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.05		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.0		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.6		40 - 140	43%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1935-01	Acq On:	02 May 2025 16:53
Client Sample ID:	MH-NN	Operator:	YP\AJ
Data file:	FE053625.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.755	476081	3.436	300	ug/ml
Aliphatic C12-C16	6.756	10.204	601379	4.241	200	ug/ml
Aliphatic C16-C21	10.205	13.579	352610	2.426	300	ug/ml
Aliphatic C21-C28	13.580	17.248	701602	4.935	400	ug/ml
Aliphatic C28-C40	17.249	22.135	6932950	53.723	600	ug/ml
Aliphatic EPH	3.114	22.135	9064622	68.761		ug/ml
ortho-Terphenyl (SURR)	11.866	11.866	3901192	21.63		ug/ml
1-chlorooctadecane (SURR)	13.311	13.311	3238755	23.96		ug/ml
Aliphatic C9-C28	3.114	17.248	2131672	15.038	1200	ug/ml