

Report of Analysis

Client:	PSEG	Date Collected:	05/06/25
Project:	Galloping Hills Sub OP	Date Received:	05/06/25
Client Sample ID:	MH-LL	SDG No.:	Q1964
Lab Sample ID:	Q1964-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.8
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
05/07/25 11:17	05/07/25 17:24	PB167897

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.42		1	1.46	2.47	mg/kg	FE053694.D
Aliphatic C9-C28	Aliphatic C9-C28	2.42	J	1	1.13	4.95	mg/kg	FE053694.D
Total AliphaticEPH	Total AliphaticEPH	8.84			2.59	7.42	mg/kg	
Total EPH	Total EPH	8.84			2.59	7.42	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
FE053694.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	2.42	J	1.13	4.95	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.42		1.46	2.47	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1964-01	Acq On:	07 May 2025 17:24
Client Sample ID:	MH-LL	Operator:	YP\AJ
Data file:	FE053694.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.110	6.753	570155	4.115	300	ug/ml
Aliphatic C12-C16	6.754	10.203	1779731	12.55	200	ug/ml
Aliphatic C16-C21	10.204	13.578	572729	3.94	300	ug/ml
Aliphatic C21-C28	13.579	17.247	1260499	8.866	400	ug/ml
Aliphatic C28-C40	17.248	22.135	10065535	77.998	600	ug/ml
Aliphatic EPH	3.110	22.135	14248649	107.469		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	5968435	33.09		ug/ml
1-chlorooctadecane (SURR)	13.310	13.310	4726607	34.97		ug/ml
Aliphatic C9-C28	3.110	17.247	4183114	29.471	1200	ug/ml