

Report of Analysis

Client:	PSEG	Date Collected:	05/02/25
Project:	Galloping Hills Sub OP	Date Received:	05/02/25
Client Sample ID:	MH-O	SDG No.:	Q1947
Lab Sample ID:	Q1947-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/05/25 09:05	05/05/25 21:17	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.30		1	1.33	2.26	mg/kg	FE053655.D
Aliphatic C9-C28	Aliphatic C9-C28	4.51	U	1	1.03	4.51	mg/kg	FE053655.D
Total AliphaticEPH	Total AliphaticEPH	6.30	J		2.36	6.77	mg/kg	
Total EPH	Total EPH	6.30	J		2.36	6.77	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
FE053655.D	1	05/05/25	05/05/25	PB167855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.30		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1947-05	Acq On:	05 May 2025 21:17
Client Sample ID:	MH-O	Operator:	YP\AJ
Data file:	FE053655.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.112	6.755	355733	2.567	300	ug/ml
Aliphatic C12-C16	6.756	10.204	628958	4.435	200	ug/ml
Aliphatic C16-C21	10.205	13.579	249911	1.719	300	ug/ml
Aliphatic C21-C28	13.580	17.249	845671	5.948	400	ug/ml
Aliphatic C28-C40	17.250	22.140	10812944	83.789	600	ug/ml
Aliphatic EPH	3.112	22.140	12893217	98.459		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	5451146	30.22		ug/ml
1-chlorooctadecane (SURR)	13.309	13.309	4312096	31.9		ug/ml
Aliphatic C9-C28	3.112	17.249	2080273	14.669	1200	ug/ml