

Report of Analysis

Client:	PSEG	Date Collected:	05/02/25
Project:	Galloping Hills Sub OP	Date Received:	05/02/25
Client Sample ID:	MH-P-EPH	SDG No.:	Q1947
Lab Sample ID:	Q1947-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/05/25 09:05	05/05/25 20:47	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.7		1	1.35	2.28	mg/kg	FE053654.D
Aliphatic C9-C28	Aliphatic C9-C28	2.06	J	1	1.04	4.56	mg/kg	FE053654.D
Total AliphaticEPH	Total AliphaticEPH	12.8			2.39	6.84	mg/kg	
Total EPH	Total EPH	12.8			2.39	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053654.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	2.06	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.7		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.3		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.7		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1947-02	Acq On:	05 May 2025 20:47
Client Sample ID:	MH-P-EPH	Operator:	YP\AJ
Data file:	FE053654.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.112	6.755	442090	3.191	300	ug/ml
Aliphatic C12-C16	6.756	10.204	701454	4.947	200	ug/ml
Aliphatic C16-C21	10.205	13.579	615659	4.235	300	ug/ml
Aliphatic C21-C28	13.580	17.249	2096267	14.744	400	ug/ml
Aliphatic C28-C40	17.250	22.140	18123068	140.435	600	ug/ml
Aliphatic EPH	3.112	22.140	21978538	167.552		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	4992924	27.68		ug/ml
1-chlorooctadecane (SURR)	13.308	13.308	3823566	28.29		ug/ml
Aliphatic C9-C28	3.112	17.249	3855470	27.117	1200	ug/ml