

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-EPH	SDG No.:	Q1947
Lab Sample ID:	Q1947-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
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
05/05/25 09:05	05/05/25 21:47	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.21		1	1.34	2.27	mg/kg	FE053656.D
Aliphatic C9-C28	Aliphatic C9-C28	4.55	U	1	1.03	4.55	mg/kg	FE053656.D
Total AliphaticEPH	Total AliphaticEPH	3.21	J		2.37	6.82	mg/kg	
Total EPH	Total EPH	3.21	J		2.37	6.82	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
FE053656.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	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.21		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.3		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.5		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1947-06	Acq On:	05 May 2025 21:47
Client Sample ID:	MH-O-EPH	Operator:	YP\AJ
Data file:	FE053656.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.112	6.755	407620	2.942	300	ug/ml
Aliphatic C12-C16	6.756	10.204	423400	2.986	200	ug/ml
Aliphatic C16-C21	10.205	13.579	226853	1.561	300	ug/ml
Aliphatic C21-C28	13.580	17.249	665424	4.68	400	ug/ml
Aliphatic C28-C40	17.250	22.140	5473010	42.41	600	ug/ml
Aliphatic EPH	3.112	22.140	7196307	54.579		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	4240599	23.51		ug/ml
1-chlorooctadecane (SURR)	13.309	13.309	3282863	24.29		ug/ml
Aliphatic C9-C28	3.112	17.249	1723297	12.169	1200	ug/ml