

Report of Analysis

Client:	PSEG	Date Collected:	04/28/25
Project:	Galloping Hills Sub OP	Date Received:	04/28/25
Client Sample ID:	MH-H-EPH	SDG No.:	Q1905
Lab Sample ID:	Q1905-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/29/25 09:05	04/29/25 17:13	PB167778

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.52		1	1.30	2.20	mg/kg	FE053573.D
Aliphatic C9-C28	Aliphatic C9-C28	2.97	J	1	1.00	4.39	mg/kg	FE053573.D
Total AliphaticEPH	Total AliphaticEPH	5.49	J		2.30	6.59	mg/kg	
Total EPH	Total EPH	5.49	J		2.30	6.59	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
FE053573.D	1	04/29/25	04/29/25	PB167778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.97	J	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.52		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.5		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.8		40 - 140	42%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1905-06	Acq On:	29 Apr 2025 17:13
Client Sample ID:	MH-H-EPH	Operator:	YP\AJ
Data file:	FE053573.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.116	6.759	268804	1.94	300	ug/ml
Aliphatic C12-C16	6.760	10.208	1319437	9.305	200	ug/ml
Aliphatic C16-C21	10.209	13.583	985801	6.782	300	ug/ml
Aliphatic C21-C28	13.584	17.253	3477523	24.46	400	ug/ml
Aliphatic C28-C40	17.254	22.144	4442885	34.428	600	ug/ml
Aliphatic EPH	3.116	22.144	10494450	76.913		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	3746534	20.77		ug/ml
1-chlorooctadecane (SURR)	13.312	13.312	3039053	22.48		ug/ml
Aliphatic C9-C28	3.116	17.253	6051565	42.487	1200	ug/ml