

Report of Analysis

Client:	PSEG	Date Collected:	05/15/25
Project:	Galloping Hills Sub OP	Date Received:	05/15/25
Client Sample ID:	MH-L-EPH	SDG No.:	Q2057
Lab Sample ID:	Q2057-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/16/25 08:53	05/16/25 20:40	PB168035

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.95		1	1.30	2.20	mg/kg	FE053886.D
Aliphatic C9-C28	Aliphatic C9-C28	4.41	U	1	1.00	4.41	mg/kg	FE053886.D
Total AliphaticEPH	Total AliphaticEPH	8.95			2.30	6.61	mg/kg	
Total EPH	Total EPH	8.95			2.30	6.61	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
FE053886.D	1	05/16/25	05/16/25	PB168035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.95		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.4		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.3		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2057-02	Acq On:	16 May 2025 20:40
Client Sample ID:	MH-L-EPH	Operator:	YP\AJ
Data file:	FE053886.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.740	207238	1.529	300	ug/ml
Aliphatic C12-C16	6.741	10.188	517875	3.838	200	ug/ml
Aliphatic C16-C21	10.189	13.562	589559	4.469	300	ug/ml
Aliphatic C21-C28	13.563	17.231	985755	7.938	400	ug/ml
Aliphatic C28-C40	17.232	22.111	14057746	121.785	600	ug/ml
Aliphatic EPH	3.099	22.111	16358173	139.559		ug/ml
ortho-Terphenyl (SURR)	11.849	11.849	4762011	29.3		ug/ml
1-chlorooctadecane (SURR)	13.295	13.295	3716324	31.35		ug/ml
Aliphatic C9-C28	3.099	17.231	2300427	17.774	1200	ug/ml