

Report of Analysis

Client:	PSEG	Date Collected:	04/30/25
Project:	Galloping Hills Sub OP	Date Received:	04/30/25
Client Sample ID:	MH-S-EPH	SDG No.:	Q1922
Lab Sample ID:	Q1922-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
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
05/01/25 08:45	05/01/25 17:18	PB167819

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.48		1	1.34	2.28	mg/kg	FE053611.D
Aliphatic C9-C28	Aliphatic C9-C28	4.56	U	1	1.03	4.56	mg/kg	FE053611.D
Total AliphaticEPH	Total AliphaticEPH	2.48	J		2.38	6.84	mg/kg	
Total EPH	Total EPH	2.48	J		2.38	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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Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.03 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
FE053611.D	1	05/01/25	05/01/25	PB167819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.48		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	21.1		40 - 140	42%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.0		40 - 140	40%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1922-06	Acq On:	01 May 2025 17:18
Client Sample ID:	MH-S-EPH	Operator:	YP\AJ
Data file:	FE053611.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.754	391259	2.824	300	ug/ml
Aliphatic C12-C16	6.755	10.203	607921	4.287	200	ug/ml
Aliphatic C16-C21	10.204	13.577	350129	2.409	300	ug/ml
Aliphatic C21-C28	13.578	17.245	825581	5.807	400	ug/ml
Aliphatic C28-C40	17.246	22.133	4211271	32.633	600	ug/ml
Aliphatic EPH	3.114	22.133	6386161	47.959		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	3610272	20.02		ug/ml
1-chlorooctadecane (SURR)	13.308	13.308	2847211	21.06		ug/ml
Aliphatic C9-C28	3.114	17.245	2174890	15.327	1200	ug/ml