

Report of Analysis

Client:	PSEG	Date Collected:	05/12/25
Project:	Galloping Hills Sub OP	Date Received:	05/12/25
Client Sample ID:	MH-I-EPH	SDG No.:	Q2017
Lab Sample ID:	Q2017-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/14/25 09:30	05/14/25 19:16	PB167999

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.25		1	1.42	2.41	mg/kg	FC068873.D
Aliphatic C9-C28	Aliphatic C9-C28	2.45	J	1	1.09	4.80	mg/kg	FC068873.D
Total AliphaticEPH	Total AliphaticEPH	5.70	J		2.51	7.21	mg/kg	
Total EPH	Total EPH	5.70	J		2.51	7.21	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:	83
Sample Wt/Vol:	30.04 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
FC068873.D	1	05/14/25	05/14/25	PB167999

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.45	J	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.25		1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.3		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2017-02	Acq On:	14 May 2025 19:16
Client Sample ID:	MH-I-EPH	Operator:	YP/AJ
Data file:	FC068873.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.340	6.640	326640	3.295	300	ug/ml
Aliphatic C12-C16	6.641	10.040	542095	5.958	200	ug/ml
Aliphatic C16-C21	10.041	13.405	877151	10.228	300	ug/ml
Aliphatic C21-C28	13.406	17.068	924441	11.126	400	ug/ml
Aliphatic C28-C40	17.069	22.062	3433196	40.571	600	ug/ml
Aliphatic EPH	3.340	22.062	6103523	71.177		ug/ml
ortho-Terphenyl (SURR)	11.708	11.708	4621815	40.49		ug/ml
1-chlorooctadecane (SURR)	13.140	13.140	3554224	44.3		ug/ml
Aliphatic C9-C28	3.340	17.068	2670327	30.607	1200	ug/ml