

Report of Analysis

Client:	PSEG	Date Collected:	05/12/25
Project:	Galloping Hills Sub OP	Date Received:	05/12/25
Client Sample ID:	MH-J-EPH	SDG No.:	Q2017
Lab Sample ID:	Q2017-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
05/14/25 09:30	05/15/25 3:29	PB167999

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.22		1	1.37	2.32	mg/kg	FC068878.D
Aliphatic C9-C28	Aliphatic C9-C28	2.98	J	1	1.05	4.64	mg/kg	FC068878.D
Total AliphaticEPH	Total AliphaticEPH	7.20			2.42	6.96	mg/kg	
Total EPH	Total EPH	7.20			2.42	6.96	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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Lab Sample ID:	Q2017-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
FC068878.D	1	05/14/25	05/15/25	PB167999

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.98	J	1.05	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.22		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.8		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2017-06	Acq On:	15 May 2025 03:29
Client Sample ID:	MH-J-EPH	Operator:	YP/AJ
Data file:	FC068878.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.340	6.640	306139	3.088	300	ug/ml
Aliphatic C12-C16	6.641	10.040	552929	6.077	200	ug/ml
Aliphatic C16-C21	10.041	13.405	1021495	11.911	300	ug/ml
Aliphatic C21-C28	13.406	17.068	1451457	17.468	400	ug/ml
Aliphatic C28-C40	17.069	22.062	4621257	54.61	600	ug/ml
Aliphatic EPH	3.340	22.062	7953277	93.155		ug/ml
ortho-Terphenyl (SURR)	11.709	11.709	5112915	44.8		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	3944556	49.17		ug/ml
Aliphatic C9-C28	3.340	17.068	3332020	38.544	1200	ug/ml