

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	Galloping Hills Sub OP	Date Received:	04/25/25
Client Sample ID:	MH-D	SDG No.:	Q1891
Lab Sample ID:	Q1891-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/28/25 08:00	04/28/25 17:09	PB167768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.0		1	1.41	2.39	mg/kg	FE053547.D
Aliphatic C9-C28	Aliphatic C9-C28	22.1		1	1.09	4.79	mg/kg	FE053547.D
Total AliphaticEPH	Total AliphaticEPH	33.1			2.50	7.18	mg/kg	
Total EPH	Total EPH	33.1			2.50	7.18	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053547.D	1	04/28/25	04/28/25	PB167768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	22.1		1.09	4.79	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.0		1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.0		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.4		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1891-05	Acq On:	28 Apr 2025 17:09
Client Sample ID:	MH-D	Operator:	YP\AJ
Data file:	FE053547.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.761	524386	3.784	300	ug/ml
Aliphatic C12-C16	6.762	10.211	4515953	31.846	200	ug/ml
Aliphatic C16-C21	10.212	13.587	14417861	99.185	300	ug/ml
Aliphatic C21-C28	13.588	17.257	20135536	141.625	400	ug/ml
Aliphatic C28-C40	17.258	22.153	17781149	137.786	600	ug/ml
Aliphatic EPH	3.119	22.153	57374885	414.226		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	4214470	23.37		ug/ml
1-chlorooctadecane (SURR)	13.320	13.320	3653623	27.03		ug/ml
Aliphatic C9-C28	3.119	17.257	39593736	276.44	1200	ug/ml