

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-EPH	SDG No.:	Q1891
Lab Sample ID:	Q1891-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/28/25 08:00	04/28/25 17:40	PB167768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	12.1		1	1.55	2.62	mg/kg FE053548.D
Aliphatic C9-C28	Aliphatic C9-C28	28.2		1	1.19	5.24	mg/kg FE053548.D
Total AliphaticEPH	Total AliphaticEPH	40.3			2.74	7.86	mg/kg
Total EPH	Total EPH	40.3			2.74	7.86	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
FE053548.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	28.2		1.19	5.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.1		1.55	2.62	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1891-06	Acq On:	28 Apr 2025 17:40
Client Sample ID:	MH-D-EPH	Operator:	YP\AJ
Data file:	FE053548.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	3.119	6.761	614381	4.434	300	ug/ml
Aliphatic C12-C16	6.762	10.211	4653591	32.817	200	ug/ml
Aliphatic C16-C21	10.212	13.587	17667139	121.537	300	ug/ml
Aliphatic C21-C28	13.588	17.257	23200660	163.184	400	ug/ml
Aliphatic C28-C40	17.258	22.153	17917280	138.841	600	ug/ml
Aliphatic EPH	3.119	22.153	64053051	460.813		ug/ml
ortho-Terphenyl (SURR)	11.875	11.875	6449777	35.76		ug/ml
1-chlorooctadecane (SURR)	13.320	13.320	5346054	39.55		ug/ml
Aliphatic C9-C28	3.119	17.257	46135771	321.972	1200	ug/ml