

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	Galloping Hills Sub OP	Date Received:	04/25/25
Client Sample ID:	MH-C	SDG No.:	Q1891
Lab Sample ID:	Q1891-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
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
04/28/25 08:00	04/28/25 16:09	PB167768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.27		1	1.29	2.19	mg/kg FE053545.D
Aliphatic C9-C28	Aliphatic C9-C28	16.0		1	1.00	4.37	mg/kg FE053545.D
Total AliphaticEPH	Total AliphaticEPH	18.3			2.29	6.56	mg/kg
Total EPH	Total EPH	18.3			2.29	6.56	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
FE053545.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	16.0		1.00	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.27		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.1		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1891-01	Acq On:	28 Apr 2025 16:09
Client Sample ID:	MH-C	Operator:	YP\AJ
Data file:	FE053545.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.761	323121	2.332	300	ug/ml
Aliphatic C12-C16	6.762	10.211	2158803	15.224	200	ug/ml
Aliphatic C16-C21	10.212	13.587	18186013	125.107	300	ug/ml
Aliphatic C21-C28	13.588	17.257	10866537	76.431	400	ug/ml
Aliphatic C28-C40	17.258	22.153	4011104	31.082	600	ug/ml
Aliphatic EPH	3.119	22.153	35545578	250.175		ug/ml
ortho-Terphenyl (SURR)	11.878	11.878	6156905	34.14		ug/ml
1-chlorooctadecane (SURR)	13.323	13.323	4729466	34.99		ug/ml
Aliphatic C9-C28	3.119	17.257	31534474	219.094	1200	ug/ml