

Report of Analysis

Client:	PSEG	Date Collected:	04/29/25
Project:	Galloping Hills Sub OP	Date Received:	04/29/25
Client Sample ID:	MH-F	SDG No.:	Q1912
Lab Sample ID:	Q1912-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/30/25 09:20	04/30/25 18:13	PB167797

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	14.2		1	1.29	2.19	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	46.5		1	1.00	4.39	mg/kg
Total AliphaticEPH	Total AliphaticEPH	60.7			2.29	6.58	mg/kg
Total EPH	Total EPH	60.7			2.29	6.58	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053593.D	1	04/30/25	04/30/25	PB167797

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	46.5		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.2		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.7		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.2		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1912-05	Acq On:	30 Apr 2025 18:13
Client Sample ID:	MH-F	Operator:	YP\AJ
Data file:	FE053593.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.756	697601	5.035	300	ug/ml
Aliphatic C12-C16	6.757	10.205	14104687	99.465	200	ug/ml
Aliphatic C16-C21	10.206	13.580	41210728	283.501	300	ug/ml
Aliphatic C21-C28	13.581	17.248	35471220	249.491	400	ug/ml
Aliphatic C28-C40	17.249	22.137	25050079	194.113	600	ug/ml
Aliphatic EPH	3.114	22.137	116534315	831.603		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	6715092	37.23		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	5776916	42.74		ug/ml
Aliphatic C9-C28	3.114	17.248	91484236	637.492	1200	ug/ml