

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-EPH	SDG No.:	Q1912
Lab Sample ID:	Q1912-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
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
04/30/25 09:20	04/30/25 20:13	PB167797

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.90		1	1.29	2.19	mg/kg	FE053597.D
Aliphatic C9-C28	Aliphatic C9-C28	16.6		1	1.00	4.39	mg/kg	FE053597.D
Total AliphaticEPH	Total AliphaticEPH	23.5			2.29	6.58	mg/kg	
Total EPH	Total EPH	23.5			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

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-EPH	SDG No.:	Q1912
Lab Sample ID:	Q1912-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.05 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
FE053597.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	16.6		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.90		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.9		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.1		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1912-06	Acq On:	30 Apr 2025 20:13
Client Sample ID:	MH-F-EPH	Operator:	YP\AJ
Data file:	FE053597.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.756	454401	3.279	300	ug/ml
Aliphatic C12-C16	6.757	10.205	4929076	34.759	200	ug/ml
Aliphatic C16-C21	10.206	13.580	16043081	110.365	300	ug/ml
Aliphatic C21-C28	13.581	17.248	11251355	79.138	400	ug/ml
Aliphatic C28-C40	17.249	22.137	12185411	94.425	600	ug/ml
Aliphatic EPH	3.114	22.137	44863324	321.966		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	6333772	35.12		ug/ml
1-chlorooctadecane (SURR)	13.313	13.313	4990905	36.92		ug/ml
Aliphatic C9-C28	3.114	17.248	32677913	227.541	1200	ug/ml