

Report of Analysis

Client:	PSEG	Date Collected:	04/28/25
Project:	Galloping Hills Sub OP	Date Received:	04/28/25
Client Sample ID:	MH-G	SDG No.:	Q1905
Lab Sample ID:	Q1905-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/29/25 09:05	04/29/25 15:43	PB167778

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.50		1	1.32	2.24	mg/kg FE053570.D
Aliphatic C9-C28	Aliphatic C9-C28	11.5		1	1.02	4.48	mg/kg FE053570.D
Total AliphaticEPH	Total AliphaticEPH	17.0			2.34	6.72	mg/kg
Total EPH	Total EPH	17.0			2.34	6.72	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:	04/28/25
Project:	Gallopings Hills Sub OP	Date Received:	04/28/25
Client Sample ID:	MH-G	SDG No.:	Q1905
Lab Sample ID:	Q1905-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.02 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
FE053570.D	1	04/29/25	04/29/25	PB167778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.5		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.50		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.9		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.4		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1905-01	Acq On:	29 Apr 2025 15:43
Client Sample ID:	MH-G	Operator:	YP\AJ
Data file:	FE053570.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.116	6.759	274225	1.979	300	ug/ml
Aliphatic C12-C16	6.760	10.208	1810052	12.764	200	ug/ml
Aliphatic C16-C21	10.209	13.583	11923516	82.025	300	ug/ml
Aliphatic C21-C28	13.584	17.253	8414427	59.184	400	ug/ml
Aliphatic C28-C40	17.254	22.144	9511457	73.704	600	ug/ml
Aliphatic EPH	3.116	22.144	31933677	229.657		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	4766354	26.43		ug/ml
1-chlorooctadecane (SURR)	13.314	13.314	3902103	28.87		ug/ml
Aliphatic C9-C28	3.116	17.253	22422220	155.952	1200	ug/ml