

Report of Analysis

Client:	PSEG	Date Collected:	06/09/25
Project:	PSEG East Edison Test Pits	Date Received:	06/09/25
Client Sample ID:	TP-13-MHP-EPH	SDG No.:	Q2274
Lab Sample ID:	Q2274-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/10/25 08:41	06/10/25 22:50	PB168374

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.42		1	1.42	2.40	mg/kg	FE054302.D
Aliphatic C9-C28	Aliphatic C9-C28	3.22	J	1	1.09	4.80	mg/kg	FE054302.D
Total AliphaticEPH	Total AliphaticEPH	6.64	J		2.51	7.20	mg/kg	
Total EPH	Total EPH	6.64	J		2.51	7.20	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
FE054302.D	1	06/10/25	06/10/25	PB168374

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.22	J	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.42		1.42	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.1		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.4		40 - 140	91%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2274-03	Acq On:	10 Jun 2025 22:50
Client Sample ID:	TP-13-MHP-EPH	Operator:	YP\AJ
Data file:	FE054302.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	276764	2.21	300	ug/ml
Aliphatic C12-C16	6.726	10.172	1482262	11.302	200	ug/ml
Aliphatic C16-C21	10.173	13.546	1325676	9.899	300	ug/ml
Aliphatic C21-C28	13.547	17.214	2141723	16.855	400	ug/ml
Aliphatic C28-C40	17.215	22.084	5489633	42.806	600	ug/ml
Aliphatic EPH	3.080	22.084	10716058	83.071		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	7494792	45.36		ug/ml
1-chlorooctadecane (SURR)	13.276	13.276	6107673	50.08		ug/ml
Aliphatic C9-C28	3.080	17.214	5226425	40.266	1200	ug/ml