

Report of Analysis

Client:	PSEG	Date Collected:	05/27/25
Project:	PSEG East Edison Test Pits	Date Received:	05/28/25
Client Sample ID:	TP04-MHN-EPH	SDG No.:	Q2146
Lab Sample ID:	Q2146-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	65.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/29/25 09:15	05/29/25 19:05	PB168197

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.89	J	1	1.81	3.07	mg/kg	FE054079.D
Aliphatic C9-C28	Aliphatic C9-C28	6.93		1	1.40	6.12	mg/kg	FE054079.D
Total AliphaticEPH	Total AliphaticEPH	9.82			3.21	9.19	mg/kg	
Total EPH	Total EPH	9.82			3.21	9.19	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
FE054079.D	1	05/29/25	05/29/25	PB168197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.93		1.40	6.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.89	J	1.81	3.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.5		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.4		40 - 140	97%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2146-03	Acq On:	29 May 2025 19:05
Client Sample ID:	TP04-MHN-EPH	Operator:	YP\AJ
Data file:	FE054079.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	3.088	6.732	254830	1.88	300	ug/ml
Aliphatic C12-C16	6.733	10.179	677089	5.018	200	ug/ml
Aliphatic C16-C21	10.180	13.553	8291504	62.857	300	ug/ml
Aliphatic C21-C28	13.554	17.219	870658	7.011	400	ug/ml
Aliphatic C28-C40	17.220	22.092	3265013	28.285	600	ug/ml
Aliphatic EPH	3.088	22.092	13359094	105.051		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	7870361	48.43		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	6459131	54.48		ug/ml
Aliphatic C9-C28	3.088	17.219	10094081	76.766	1200	ug/ml