

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Moorestown HQ	Date Received:	11/07/25
Client Sample ID:	11625	SDG No.:	Q3592
Lab Sample ID:	Q3592-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	18.8		1	1.18	2.00	mg/kg	FE056751.D	11/12/25 1:46	PB170479
Aliphatic C9-C28	Aliphatic C9-C28	36.0		1	0.91	3.99	mg/kg	FE056751.D	11/12/25 1:46	PB170479
Total AliphaticEPH	Total AliphaticEPH	54.8			2.09	5.99	mg/kg			
Total EPH	Total EPH	54.8			2.09	5.99	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	36.0	1		0.91	3.99	mg/kg	11/12/25	PB170479
Aliphatic C28-C40	Aliphatic C28-C40	18.8	1		1.18	2.00	mg/kg	11/12/25	PB170479
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.1			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.6			40 - 140	63%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3592-01	Acq On:	12 Nov 2025 01:46
Client Sample ID:	11625	Operator:	YP\AJ
Data file:	FE056751.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.845	405234	2.368	300	ug/ml
Aliphatic C12-C16	6.846	10.294	430791	2.41	200	ug/ml
Aliphatic C16-C21	10.295	13.672	51670365	277.045	300	ug/ml
Aliphatic C21-C28	13.673	17.343	50042492	259.602	400	ug/ml
Aliphatic C28-C40	17.344	22.291	44978448	282.325	600	ug/ml
Aliphatic EPH	3.220	22.291	147527330	823.749		ug/ml
ortho-Terphenyl (SURR)	11.958	11.958	6609445	31.64		ug/ml
1-chlorooctadecane (SURR)	13.397	13.397	4358591	27.05		ug/ml
Aliphatic C9-C28	3.220	17.343	102548882	541.425	1200	ug/ml