

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	PSEG Moorestown HQ	Date Received:	11/07/25
Client Sample ID:	MOO-25-0319	SDG No.:	Q3590
Lab Sample ID:	Q3590-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.02 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	1040		10	70.5	119	mg/kg	FE056758.D	11/12/25 5:17	PB170479
Aliphatic C9-C28	Aliphatic C9-C28	100000		500	2720	12000	mg/kg	FE056777.D	11/12/25 15:21	PB170479
Total AliphaticEPH	Total AliphaticEPH	101000			2790	12100	mg/kg			
Total EPH	Total EPH	101000			2790	12100	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 Date	11/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	95400	E	10	54.4	239	mg/kg	11/12/25	PB170479
Aliphatic C28-C40	Aliphatic C28-C40	1040		10	70.5	119	mg/kg	11/12/25	PB170479
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	0.00			40 - 140	0%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3590-05	Acq On:	12 Nov 2025 05:17
Client Sample ID:	MOO-25-0319	Operator:	YP\AJ
Data file:	FE056758.D	Misc:	
Instrument:	FID_E	ALS Vial:	36
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.845	21483777	125.517	300	ug/ml
Aliphatic C12-C16	6.846	10.294	610874175	3420	200	ug/ml
Aliphatic C16-C21	10.295	13.672	2896007379	15500	300	ug/ml
Aliphatic C21-C28	13.673	17.343	939463629	4870	400	ug/ml
Aliphatic C28-C40	17.344	22.291	41710554	261.812	600	ug/ml
Aliphatic EPH	3.220	22.291	4509539514	24300		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.220	17.343	4467828960	23900	1200	ug/ml