

Report of Analysis

Client:	PSEG	Date Collected:	11/20/25
Project:	PSEG - Moorestown HQ	Date Received:	11/20/25
Client Sample ID:	MOO-25-0333	SDG No.:	Q3697
Lab Sample ID:	Q3697-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/21/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	2690		25	175	298	mg/kg	FE057022.D	11/25/25 12:23	PB170681
Aliphatic C9-C28	Aliphatic C9-C28	7120		25	136	595	mg/kg	FE057022.D	11/25/25 12:23	PB170681
Total AliphaticEPH	Total AliphaticEPH	9810			311	893	mg/kg			
Total EPH	Total EPH	9810			311	893	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	7480	E	1	5.43	23.9	mg/kg	11/21/25	PB170681
Aliphatic C28-C40	Aliphatic C28-C40	2380	E	1	7.04	11.9	mg/kg	11/21/25	PB170681
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	44.1			40 - 140	88%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.3			40 - 140	73%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3697-03	Acq On:	21 Nov 2025 17:03
Client Sample ID:	MOO-25-0333	Operator:	YP\AJ
Data file:	FE056985.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.206	6.830	14219075	83.073	300	ug/ml
Aliphatic C12-C16	6.831	10.275	63084881	352.914	200	ug/ml
Aliphatic C16-C21	10.276	13.648	737646054	3960	300	ug/ml
Aliphatic C21-C28	13.649	17.317	2780983010	14400	400	ug/ml
Aliphatic C28-C40	17.318	22.248	954211025	5990	600	ug/ml
Aliphatic EPH	3.206	22.248	4550144045	24900		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	7588673	36.32		ug/ml
1-chlorooctadecane (SURR)	13.402	13.402	7108001	44.12		ug/ml
Aliphatic C9-C28	3.206	17.317	3595933020	18800	1200	ug/ml