

Report of Analysis

Client:	PSEG	Date Collected:	12/02/25
Project:	PSEG- Moorestown HQ	Date Received:	12/02/25
Client Sample ID:	MOO-25-334-337	SDG No.:	Q3753
Lab Sample ID:	Q3753-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/04/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	12.8		1	1.28	2.17	mg/kg	FE057165.D	12/04/25 16:40	PB170824
Aliphatic C9-C28	Aliphatic C9-C28	1130		20	19.8	86.8	mg/kg	FE057198.D	12/05/25 17:36	PB170824
Total AliphaticEPH	Total AliphaticEPH	1140			21.0	89.0	mg/kg			
Total EPH	Total EPH	1140			21.0	89.0	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	1200	E	1	0.99	4.33	mg/kg	12/04/25	PB170824
Aliphatic C28-C40	Aliphatic C28-C40	12.8		1	1.28	2.17	mg/kg	12/04/25	PB170824
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.3			40 - 140	69%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	52.7			40 - 140	105%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3753-02	Acq On:	04 Dec 2025 16:40
Client Sample ID:	MOO-25-334-337	Operator:	YP\AJ
Data file:	FE057165.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	3.194	6.819	656720	3.273	300	ug/ml
Aliphatic C12-C16	6.820	10.265	558890566	2750	200	ug/ml
Aliphatic C16-C21	10.266	13.639	2153637317	10900	300	ug/ml
Aliphatic C21-C28	13.640	17.309	603846065	3040	400	ug/ml
Aliphatic C28-C40	17.310	22.235	35480497	177.491	600	ug/ml
Aliphatic EPH	3.194	22.235	3352511165	16800		ug/ml
ortho-Terphenyl (SURR)	11.961	11.961	11562827	52.69		ug/ml
1-chlorooctadecane (SURR)	13.395	13.395	5712192	34.32		ug/ml
Aliphatic C9-C28	3.194	17.309	3317030668	16700	1200	ug/ml