

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	PSEG - Moorestown HQ	Date Received:	10/29/25
Client Sample ID:	MOO-25-0311-0313	SDG No.:	Q3488
Lab Sample ID:	Q3488-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	5.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/30/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	550		10	77.2	130	mg/kg	FE056594.D	10/30/25 20:29	PB170326
Aliphatic C9-C28	Aliphatic C9-C28	67900		200	1190	5230	mg/kg	FE056607.D	10/31/25 12:57	PB170326
Total AliphaticEPH	Total AliphaticEPH	68400			1270	5360	mg/kg			
Total EPH	Total EPH	68400			1270	5360	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	68100	E	10	59.6	262	mg/kg	10/30/25	PB170326
Aliphatic C28-C40	Aliphatic C28-C40	550		10	77.2	130	mg/kg	10/30/25	PB170326
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:	Q3488-06	Acq On:	30 Oct 2025 20:29
Client Sample ID:	MOO-25-0311-0313	Operator:	YP\AJ
Data file:	FE056594.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.232	6.857	257695	1.506	300	ug/ml
Aliphatic C12-C16	6.858	10.306	184642507	1030	200	ug/ml
Aliphatic C16-C21	10.307	13.683	2090698162	11300	300	ug/ml
Aliphatic C21-C28	13.684	17.354	648515087	3360	400	ug/ml
Aliphatic C28-C40	17.355	22.310	20088104	126.091	600	ug/ml
Aliphatic EPH	3.232	22.310	2944201555	15700		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	3.232	17.354	2924113451	15700	1200	ug/ml