

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Moorestown HQ	Date Received:	10/20/25
Client Sample ID:	MOO-25-0285-0288-E2	SDG No.:	Q3404
Lab Sample ID:	Q3404-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.3
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	6.05		1	1.43	2.42	mg/kg	FE056444.D	10/22/25 16:34	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	213		5	5.51	24.2	mg/kg	FE056455.D	10/23/25 8:57	PB170207
Total AliphaticEPH	Total AliphaticEPH	219			6.94	26.7	mg/kg			
Total EPH	Total EPH	219			6.94	26.7	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	212	E	1	1.10	4.85	mg/kg	10/22/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	6.05		1	1.43	2.42	mg/kg	10/22/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.0			40 - 140	56%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.4			40 - 140	59%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3404-03	Acq On:	22 Oct 2025 16:34
Client Sample ID:	MOO-25-0285-0288-E2	Operator:	YP\AJ
Data file:	FE056444.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.923	1937546	11.737	300	ug/ml
Aliphatic C12-C16	6.924	10.374	61347630	359.714	200	ug/ml
Aliphatic C16-C21	10.375	13.753	281684770	1580	300	ug/ml
Aliphatic C21-C28	13.754	17.425	121054015	675.943	400	ug/ml
Aliphatic C28-C40	17.426	22.420	10402002	74.941	600	ug/ml
Aliphatic EPH	3.296	22.420	476425963	2700		ug/ml
ortho-Terphenyl (SURR)	12.054	12.054	6013874	29.44		ug/ml
1-chlorooctadecane (SURR)	13.492	13.492	4265728	27.96		ug/ml
Aliphatic C9-C28	3.296	17.425	466023961	2620	1200	ug/ml