

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Moorestown HQ	Date Received:	10/20/25
Client Sample ID:	MOO-25-0292	SDG No.:	Q3404
Lab Sample ID:	Q3404-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.07 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	92.5		10	12.9	21.9	mg/kg	FE056448.D	10/22/25 18:35	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	2920		50	49.8	219	mg/kg	FE056457.D	10/23/25 9:58	PB170207
Total AliphaticEPH	Total AliphaticEPH	3010			62.7	241	mg/kg			
Total EPH	Total EPH	3010			62.7	241	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 Method :		Prep Date	10/22/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2920	E	10	9.95	43.7	mg/kg	10/22/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	92.5		10	12.9	21.9	mg/kg	10/22/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	4.16			40 - 140	83%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	8.00			40 - 140	160%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3404-04	Acq On:	22 Oct 2025 18:35
Client Sample ID:	MOO-25-0292	Operator:	YP\AJ
Data file:	FE056448.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.923	410177	2.485	300	ug/ml
Aliphatic C12-C16	6.924	10.374	130711054	766.429	200	ug/ml
Aliphatic C16-C21	10.375	13.753	432205263	2420	300	ug/ml
Aliphatic C21-C28	13.754	17.425	147489794	823.555	400	ug/ml
Aliphatic C28-C40	17.426	22.420	17600023	126.799	600	ug/ml
Aliphatic EPH	3.296	22.420	728416311	4140		ug/ml
ortho-Terphenyl (SURR)	12.032	12.032	1633548	8		ug/ml
1-chlorooctadecane (SURR)	13.489	13.489	634381	4.16		ug/ml
Aliphatic C9-C28	3.296	17.425	710816288	4010	1200	ug/ml