

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Moorestown HQ	Date Received:	10/20/25
Client Sample ID:	ARS20-0037	SDG No.:	Q3406
Lab Sample ID:	Q3406-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.05 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	67.6		5	6.55	11.1	mg/kg	FE056481.D	10/24/25 9:22	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	4140		100	101	444	mg/kg	FE056482.D	10/24/25 9:52	PB170207
Total AliphaticEPH	Total AliphaticEPH	4210			108	455	mg/kg			
Total EPH	Total EPH	4210			108	455	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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Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
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	4250	E	1	1.01	4.44	mg/kg	10/23/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	72.2	E	1	1.31	2.22	mg/kg	10/23/25	PB170207
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:	Q3406-01	Acq On:	23 Oct 2025 18:50
Client Sample ID:	ARS20-0037	Operator:	YP\AJ
Data file:	FE056470.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.294	6.921	11179062	67.72	300	ug/ml
Aliphatic C12-C16	6.922	10.373	1194393093	7000	200	ug/ml
Aliphatic C16-C21	10.374	13.751	6048751415	33900	300	ug/ml
Aliphatic C21-C28	13.752	17.422	2956022659	16600	400	ug/ml
Aliphatic C28-C40	17.423	22.413	135329398	974.976	600	ug/ml
Aliphatic EPH	3.294	22.413	10345675627	58400		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	3.294	17.422	10210346229	57400	1200	ug/ml