

Report of Analysis

Client: PSEG		Date Collected: 10/20/25
Project: Moorestown HQ		Date Received: 10/20/25
Client Sample ID: ARS20-0037-E2		SDG No.: Q3406
Lab Sample ID: Q3406-03		Matrix: Solid
Analytical Method: NJEPH		% Solid: 89
Sample Wt/Vol: 30.08 g	Final Vol: 2000 uL	Test: EPH_NF
Prep Method :	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	108		5	6.61	11.2	mg/kg	FE056483.D	10/24/25 10:22	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	4780		100	102	448	mg/kg	FE056484.D	10/24/25 10:52	PB170207
Total AliphaticEPH	Total AliphaticEPH	4890			109	459	mg/kg			
Total EPH	Total EPH	4890			109	459	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	4680	E	1	1.02	4.48	mg/kg	10/23/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	94.0	E	1	1.32	2.24	mg/kg	10/23/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURRE)	0.00			40 - 140	0%	SPK: 50		
84-15-1	ortho-Terphenyl (SURRE)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3406-03	Acq On:	23 Oct 2025 19:20
Client Sample ID:	ARS20-0037-E2	Operator:	YP\AJ
Data file:	FE056471.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.294	6.921	15289853	92.622	300	ug/ml
Aliphatic C12-C16	6.922	10.373	1284196127	7530	200	ug/ml
Aliphatic C16-C21	10.374	13.751	6614356868	37000	300	ug/ml
Aliphatic C21-C28	13.752	17.422	3221339201	18000	400	ug/ml
Aliphatic C28-C40	17.423	22.413	174591423	1260	600	ug/ml
Aliphatic EPH	3.294	22.413	11309773472	63900		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	11135182049	62600	1200	ug/ml