

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Moorestown HQ	Date Received:	10/20/25
Client Sample ID:	PAD-10-20-25-C	SDG No.:	Q3405
Lab Sample ID:	Q3405-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.1 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	9.79		1	1.18	1.99	mg/kg	FE056468.D	10/23/25 17:49	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	2260		50	45.3	199	mg/kg	FE056480.D	10/24/25 8:52	PB170207
Total AliphaticEPH	Total AliphaticEPH	2270			46.5	201	mg/kg			
Total EPH	Total EPH	2270			46.5	201	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

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Moorestown HQ	Date Received:	10/20/25
Client Sample ID:	PAD-10-20-25-C	SDG No.:	Q3405
Lab Sample ID:	Q3405-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.1 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	2050	E	1	0.91	3.99	mg/kg	10/23/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	9.79		1	1.18	1.99	mg/kg	10/23/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	46.5			40 - 140	93%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	66.4			40 - 140	133%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3405-03	Acq On:	23 Oct 2025 17:49
Client Sample ID:	PAD-10-20-25-C	Operator:	YP\AJ
Data file:	FE056468.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.294	6.921	794233	4.811	300	ug/ml
Aliphatic C12-C16	6.922	10.373	582632132	3420	200	ug/ml
Aliphatic C16-C21	10.374	13.751	3990066222	22300	300	ug/ml
Aliphatic C21-C28	13.752	17.422	914613249	5110	400	ug/ml
Aliphatic C28-C40	17.423	22.413	20449452	147.327	600	ug/ml
Aliphatic EPH	3.294	22.413	5508555288	31000		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	13565279	66.4		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	7101353	46.54		ug/ml
Aliphatic C9-C28	3.294	17.422	5488105836	30900	1200	ug/ml