

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-B	SDG No.:	Q3405
Lab Sample ID:	Q3405-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 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	8.13		1	1.18	2.00	mg/kg	FE056467.D	10/23/25 17:19	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	810		20	18.2	79.9	mg/kg	FE056479.D	10/24/25 8:22	PB170207
Total AliphaticEPH	Total AliphaticEPH	818			19.4	81.9	mg/kg			
Total EPH	Total EPH	818			19.4	81.9	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	698	E	1	0.91	3.99	mg/kg	10/23/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	8.13		1	1.18	2.00	mg/kg	10/23/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	45.5			40 - 140	91%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	52.5			40 - 140	105%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3405-02	Acq On:	23 Oct 2025 17:19
Client Sample ID:	PAD-10-20-25-B	Operator:	YP\AJ
Data file:	FE056467.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.294	6.921	530478	3.214	300	ug/ml
Aliphatic C12-C16	6.922	10.373	105846145	620.633	200	ug/ml
Aliphatic C16-C21	10.374	13.751	1388062008	7770	300	ug/ml
Aliphatic C21-C28	13.752	17.422	379333212	2120	400	ug/ml
Aliphatic C28-C40	17.423	22.413	16964443	122.22	600	ug/ml
Aliphatic EPH	3.294	22.413	1890736286	10600		ug/ml
ortho-Terphenyl (SURR)	12.069	12.069	10730720	52.53		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	6949521	45.55		ug/ml
Aliphatic C9-C28	3.294	17.422	1873771843	10500	1200	ug/ml