

Report of Analysis

Client:	PSEG	Date Collected:	12/11/25
Project:	PSEG 126 South Ave E, Cranford	Date Received:	12/12/25
Client Sample ID:	TP02-MH09-WC	SDG No.:	Q3862
Lab Sample ID:	Q3862-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/15/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	7.70		1	1.35	2.28	mg/kg	FE057347.D	12/15/25 21:55	PB170942
Aliphatic C9-C28	Aliphatic C9-C28	4.56	U	1	1.04	4.56	mg/kg	FE057347.D	12/15/25 21:55	PB170942
Total AliphaticEPH	Total AliphaticEPH	7.70			2.39	6.84	mg/kg			
Total EPH	Total EPH	7.70			2.39	6.84	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	0.000	U	1	1.04	4.56	mg/kg	12/15/25	PB170942
Aliphatic C28-C40	Aliphatic C28-C40	7.70		1	1.35	2.28	mg/kg	12/15/25	PB170942
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.5			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.6			40 - 140	63%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3862-01	Acq On:	15 Dec 2025 21:55
Client Sample ID:	TP02-MH09-WC	Operator:	YP\AJ
Data file:	FE057347.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	3.189	6.813	637789	3.179	300	ug/ml
Aliphatic C12-C16	6.814	10.257	931072	4.583	200	ug/ml
Aliphatic C16-C21	10.258	13.629	801806	4.043	300	ug/ml
Aliphatic C21-C28	13.630	17.298	1348667	6.786	400	ug/ml
Aliphatic C28-C40	17.299	22.217	20200443	101.053	600	ug/ml
Aliphatic EPH	3.189	22.217	23919777	119.643		ug/ml
ortho-Terphenyl (SURR)	11.928	11.928	6928039	31.57		ug/ml
1-chlorooctadecane (SURR)	13.364	13.364	4404007	26.46		ug/ml
Aliphatic C9-C28	3.189	17.298	3719334	18.591	1200	ug/ml