

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG 9th Ave Pole Yard	Date Received:	
Client Sample ID:	PB170649BSD	SDG No.:	Q3681
Lab Sample ID:	PB170649BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
<b>TARGETS</b>										
Aliphatic C28-C40	Aliphatic C28-C40	24.8		1	1.18	2.00	mg/kg	FE056962.D	11/20/25 16:03	PB170649
Aliphatic C9-C28	Aliphatic C9-C28	67.4		1	0.91	3.99	mg/kg	FE056962.D	11/20/25 16:03	PB170649
Total AliphaticEPH	Total AliphaticEPH	92.2			2.09	5.99	mg/kg			
Total EPH	Total EPH	92.2			2.09	5.99	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
<b>TARGETS</b>									
Aliphatic C9-C28	Aliphatic C9-C28	67.4	1		0.91	3.99	mg/kg	11/20/25	PB170649
Aliphatic C28-C40	Aliphatic C28-C40	24.8	1		1.18	2.00	mg/kg	11/20/25	PB170649
<b>SURROGATES</b>									
3383-33-2	1-chlorooctadecane (SURR)	28.8			40 - 140	58%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.1			40 - 140	66%	SPK: 50		

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170649BSD	Acq On:	20 Nov 2025 16:03
Client Sample ID:	PB170649BSD	Operator:	YP\AJ
Data file:	FE056962.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.212	6.835	32562905	190.245	300	ug/ml
Aliphatic C12-C16	6.836	10.280	43580971	243.804	200	ug/ml
Aliphatic C16-C21	10.281	13.654	48691282	261.072	300	ug/ml
Aliphatic C21-C28	13.655	17.324	61029710	316.6	400	ug/ml
Aliphatic C28-C40	17.325	22.258	59420218	372.974	600	ug/ml
Aliphatic EPH	3.212	22.258	245285086	1380		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	6910250	33.08		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	4642612	28.82		ug/ml
Aliphatic C9-C28	3.212	17.324	185864868	1010	1200	ug/ml