

Report of Analysis

Client:	PSEG	Date Collected:	12/03/25
Project:	Clifton - Metro Electric Division HQ	Date Received:	12/03/25
Client Sample ID:	346	SDG No.:	Q3767
Lab Sample ID:	Q3767-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/04/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	24.2		1	1.33	2.25	mg/kg	FE057159.D	12/04/25 13:38	PB170824
Aliphatic C9-C28	Aliphatic C9-C28	1.79	J	1	1.02	4.49	mg/kg	FE057159.D	12/04/25 13:38	PB170824
Total AliphaticEPH	Total AliphaticEPH	26.0			2.35	6.74	mg/kg			
Total EPH	Total EPH	26.0			2.35	6.74	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
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.79	J	1	1.02	4.49	mg/kg	12/04/25	PB170824
Aliphatic C28-C40	Aliphatic C28-C40	24.2		1	1.33	2.25	mg/kg	12/04/25	PB170824
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	18.6			40 - 140	37%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.4			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3767-01	Acq On:	04 Dec 2025 13:38
Client Sample ID:	346	Operator:	YP\AJ
Data file:	FE057159.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.194	6.819	346755	1.728	300	ug/ml
Aliphatic C12-C16	6.820	10.265	783852	3.858	200	ug/ml
Aliphatic C16-C21	10.266	13.639	1323753	6.675	300	ug/ml
Aliphatic C21-C28	13.640	17.309	2652679	13.347	400	ug/ml
Aliphatic C28-C40	17.310	22.235	64657546	323.45	600	ug/ml
Aliphatic EPH	3.194	22.235	69764585	349.058		ug/ml
ortho-Terphenyl (SURR)	11.936	11.936	4920900	22.42		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	3089053	18.56		ug/ml
Aliphatic C9-C28	3.194	17.309	5107039	25.608	1200	ug/ml