

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-EPH-2	SDG No.:	Q3767
Lab Sample ID:	Q3767-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.06 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	30.1		1	1.33	2.26	mg/kg	FE057160.D	12/04/25 14:09	PB170824
Aliphatic C9-C28	Aliphatic C9-C28	2.28	J	1	1.03	4.52	mg/kg	FE057160.D	12/04/25 14:09	PB170824
Total AliphaticEPH	Total AliphaticEPH	32.4			2.36	6.78	mg/kg			
Total EPH	Total EPH	32.4			2.36	6.78	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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		Prep Date	12/04/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.28	J	1	1.03	4.52	mg/kg	12/04/25	PB170824
Aliphatic C28-C40	Aliphatic C28-C40	30.1		1	1.33	2.26	mg/kg	12/04/25	PB170824
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	15.8			40 - 140	32%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	18.8			40 - 140	38%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3767-02	Acq On:	04 Dec 2025 14:09
Client Sample ID:	346-EPH-2	Operator:	YP\AJ
Data file:	FE057160.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.194	6.819	380101	1.894	300	ug/ml
Aliphatic C12-C16	6.820	10.265	804069	3.957	200	ug/ml
Aliphatic C16-C21	10.266	13.639	1357254	6.844	300	ug/ml
Aliphatic C21-C28	13.640	17.309	3889511	19.57	400	ug/ml
Aliphatic C28-C40	17.310	22.235	79755991	398.98	600	ug/ml
Aliphatic EPH	3.194	22.235	86186926	431.245		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	4134003	18.84		ug/ml
1-chlorooctadecane (SURR)	13.372	13.372	2637944	15.85		ug/ml
Aliphatic C9-C28	3.194	17.309	6430935	32.265	1200	ug/ml