

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	Clifton - Metro Electric Division HQ	Date Received:	11/07/25
Client Sample ID:	346	SDG No.:	Q3580
Lab Sample ID:	Q3580-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/10/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	26.0		1	1.35	2.29	mg/kg	FE056711.D	11/10/25 14:07	PB170458
Aliphatic C9-C28	Aliphatic C9-C28	3.63	J	1	1.04	4.57	mg/kg	FE056711.D	11/10/25 14:07	PB170458
Total AliphaticEPH	Total AliphaticEPH	29.6			2.39	6.86	mg/kg			
Total EPH	Total EPH	29.6			2.39	6.86	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.63	J	1	1.04	4.57	mg/kg	11/10/25	PB170458
Aliphatic C28-C40	Aliphatic C28-C40	26.0		1	1.35	2.29	mg/kg	11/10/25	PB170458
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	39.6			40 - 140	79%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.8			40 - 140	80%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3580-01	Acq On:	10 Nov 2025 14:07
Client Sample ID:	346	Operator:	YP\AJ
Data file:	FE056711.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.846	606439	3.543	300	ug/ml
Aliphatic C12-C16	6.847	10.294	1297203	7.257	200	ug/ml
Aliphatic C16-C21	10.295	13.670	2287792	12.267	300	ug/ml
Aliphatic C21-C28	13.671	17.342	4733265	24.554	400	ug/ml
Aliphatic C28-C40	17.343	22.288	54362117	341.225	600	ug/ml
Aliphatic EPH	3.221	22.288	63286816	388.846		ug/ml
ortho-Terphenyl (SURR)	11.968	11.968	8309315	39.77		ug/ml
1-chlorooctadecane (SURR)	13.406	13.406	6383612	39.62		ug/ml
Aliphatic C9-C28	3.221	17.342	8924699	47.621	1200	ug/ml