

## Report of Analysis

Client:	PSEG	Date Collected:	11/13/25
Project:	PSEG Aldene Switching Station & Substation	Date Received:	11/13/25
Client Sample ID:	ETGI-342	SDG No.:	Q3633
Lab Sample ID:	Q3633-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 11/14/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
<b>TARGETS</b>										
Aliphatic C28-C40	Aliphatic C28-C40	18.6		1	1.30	2.20	mg/kg	FE056856.D	11/14/25 19:55	PB170552
Aliphatic C9-C28	Aliphatic C9-C28	5.79		1	1.00	4.39	mg/kg	FE056856.D	11/14/25 19:55	PB170552
Total AliphaticEPH	Total AliphaticEPH	24.4			2.30	6.59	mg/kg			
Total EPH	Total EPH	24.4			2.30	6.59	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	11/14/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
<b>TARGETS</b>									
Aliphatic C9-C28	Aliphatic C9-C28	5.79	1		1.00	4.39	mg/kg	11/14/25	PB170552
Aliphatic C28-C40	Aliphatic C28-C40	18.6	1		1.30	2.20	mg/kg	11/14/25	PB170552
<b>SURROGATES</b>									
3383-33-2	1-chlorooctadecane (SURR)	24.3			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.3			40 - 140	55%	SPK: 50		

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3633-03	Acq On:	14 Nov 2025 19:55
Client Sample ID:	ETGI-342	Operator:	YP\AJ
Data file:	FE056856.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	3.212	6.835	332380	1.942	300	ug/ml
Aliphatic C12-C16	6.836	10.280	1539126	8.61	200	ug/ml
Aliphatic C16-C21	10.281	13.653	3807239	20.414	300	ug/ml
Aliphatic C21-C28	13.654	17.322	9661073	50.118	400	ug/ml
Aliphatic C28-C40	17.323	22.254	40436620	253.816	600	ug/ml
Aliphatic EPH	3.212	22.254	55776438	334.9		ug/ml
ortho-Terphenyl (SURR)	11.950	11.950	5697562	27.27		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	3916803	24.31		ug/ml
Aliphatic C9-C28	3.212	17.322	15339818	81.084	1200	ug/ml