

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-EPH-2	SDG No.:	Q3633
Lab Sample ID:	Q3633-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.03 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
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	9.22		1	1.31	2.21	mg/kg	FE056860.D	11/14/25 21:56	PB170552
Aliphatic C9-C28	Aliphatic C9-C28	4.34	J	1	1.01	4.44	mg/kg	FE056860.D	11/14/25 21:56	PB170552
Total AliphaticEPH	Total AliphaticEPH	13.6			2.32	6.65	mg/kg			
Total EPH	Total EPH	13.6			2.32	6.65	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	4.34	J	1	1.01	4.44	mg/kg	11/14/25	PB170552
Aliphatic C28-C40	Aliphatic C28-C40	9.22		1	1.31	2.21	mg/kg	11/14/25	PB170552
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	21.0			40 - 140	42%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	24.5			40 - 140	49%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3633-04	Acq On:	14 Nov 2025 21:56
Client Sample ID:	ETGI-342-EPH-2	Operator:	YP\AJ
Data file:	FE056860.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.212	6.835	452358	2.643	300	ug/ml
Aliphatic C12-C16	6.836	10.280	811310	4.539	200	ug/ml
Aliphatic C16-C21	10.281	13.653	2282444	12.238	300	ug/ml
Aliphatic C21-C28	13.654	17.322	7614399	39.501	400	ug/ml
Aliphatic C28-C40	17.323	22.254	19919524	125.033	600	ug/ml
Aliphatic EPH	3.212	22.254	31080035	183.953		ug/ml
ortho-Terphenyl (SURR)	11.949	11.949	5112309	24.47		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	3388520	21.03		ug/ml
Aliphatic C9-C28	3.212	17.322	11160511	58.921	1200	ug/ml