

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-369	SDG No.:	Q3633
Lab Sample ID:	Q3633-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.2
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
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TARGETS

Aliphatic C28-C40	Aliphatic C28-C40	54.4		2	2.87	4.86	mg/kg	FE056869.D	11/17/25 14:02	PB170552
Aliphatic C9-C28	Aliphatic C9-C28	5.67		1	1.10	4.85	mg/kg	FE056854.D	11/14/25 18:54	PB170552
Total AliphaticEPH	Total AliphaticEPH	60.1			3.98	9.71	mg/kg			
Total EPH	Total EPH	60.1			3.98	9.71	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
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	5.67	1		1.10	4.85	mg/kg	11/14/25	PB170552
Aliphatic C28-C40	Aliphatic C28-C40	54.6	E 1		1.43	2.43	mg/kg	11/14/25	PB170552
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.0			40 - 140	40%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	23.8			40 - 140	48%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3633-01	Acq On:	14 Nov 2025 18:54
Client Sample ID:	ETGI-369	Operator:	YP\AJ
Data file:	FE056854.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.212	6.835	294932	1.723	300	ug/ml
Aliphatic C12-C16	6.836	10.280	577301	3.23	200	ug/ml
Aliphatic C16-C21	10.281	13.653	4516852	24.218	300	ug/ml
Aliphatic C21-C28	13.654	17.322	8226278	42.675	400	ug/ml
Aliphatic C28-C40	17.323	22.254	107517045	674.872	600	ug/ml
Aliphatic EPH	3.212	22.254	121132408	746.718		ug/ml
ortho-Terphenyl (SURR)	11.949	11.949	4962412	23.75		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	3223279	20.01		ug/ml
Aliphatic C9-C28	3.212	17.322	13615363	71.846	1200	ug/ml