

Report of Analysis

Client:	PSEG	Date Collected:	11/05/25
Project:	Gloucester Substation	Date Received:	11/05/25
Client Sample ID:	TP-2-EPH-8	SDG No.:	Q3546
Lab Sample ID:	Q3546-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/06/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	9.41		1	1.26	2.13	mg/kg	FE056703.D	11/06/25 20:10	PB170423
Aliphatic C9-C28	Aliphatic C9-C28	2.05	J	1	0.97	4.27	mg/kg	FE056703.D	11/06/25 20:10	PB170423
Total AliphaticEPH	Total AliphaticEPH	11.5			2.23	6.40	mg/kg			
Total EPH	Total EPH	11.5			2.23	6.40	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	2.05	J	1	0.97	4.27	mg/kg	11/06/25	PB170423
Aliphatic C28-C40	Aliphatic C28-C40	9.41		1	1.26	2.13	mg/kg	11/06/25	PB170423
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	44.4			40 - 140	89%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	43.1			40 - 140	86%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3546-09	Acq On:	06 Nov 2025 20:10
Client Sample ID:	TP-2-EPH-8	Operator:	YP\AJ
Data file:	FE056703.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	3.221	6.847	654324	3.823	300	ug/ml
Aliphatic C12-C16	6.848	10.296	1360304	7.61	200	ug/ml
Aliphatic C16-C21	10.297	13.673	1477435	7.922	300	ug/ml
Aliphatic C21-C28	13.674	17.343	1839300	9.542	400	ug/ml
Aliphatic C28-C40	17.344	22.292	21096424	132.42	600	ug/ml
Aliphatic EPH	3.221	22.292	26427787	161.316		ug/ml
ortho-Terphenyl (SURR)	11.966	11.966	9000871	43.08		ug/ml
1-chlorooctadecane (SURR)	13.404	13.404	7148811	44.37		ug/ml
Aliphatic C9-C28	3.221	17.343	5331363	28.897	1200	ug/ml