

Report of Analysis

Client:	PSEG	Date Collected:	11/05/25
Project:	Gloucester Substation	Date Received:	11/05/25
Client Sample ID:	TP-2-EPH-5	SDG No.:	Q3546
Lab Sample ID:	Q3546-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.04 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	9.38		1	1.27	2.16	mg/kg	FE056700.D	11/06/25 18:39	PB170423
Aliphatic C9-C28	Aliphatic C9-C28	2.67	J	1	0.98	4.32	mg/kg	FE056700.D	11/06/25 18:39	PB170423
Total AliphaticEPH	Total AliphaticEPH	12.1			2.25	6.48	mg/kg			
Total EPH	Total EPH	12.1			2.25	6.48	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

Report of Analysis

Client:	PSEG	Date Collected:	11/05/25
Project:	Gloucester Substation	Date Received:	11/05/25
Client Sample ID:	TP-2-EPH-5	SDG No.:	Q3546
Lab Sample ID:	Q3546-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Prep Date	11/06/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.67	J	1	0.98	4.32	mg/kg	11/06/25	PB170423
Aliphatic C28-C40	Aliphatic C28-C40	9.38		1	1.27	2.16	mg/kg	11/06/25	PB170423
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	43.2			40 - 140	86%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	42.5			40 - 140	85%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3546-06	Acq On:	06 Nov 2025 18:39
Client Sample ID:	TP-2-EPH-5	Operator:	YP\AJ
Data file:	FE056700.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.847	592693	3.463	300	ug/ml
Aliphatic C12-C16	6.848	10.296	1249478	6.99	200	ug/ml
Aliphatic C16-C21	10.297	13.673	1967464	10.549	300	ug/ml
Aliphatic C21-C28	13.674	17.343	3094251	16.052	400	ug/ml
Aliphatic C28-C40	17.344	22.292	20769049	130.365	600	ug/ml
Aliphatic EPH	3.221	22.292	27672935	167.419		ug/ml
ortho-Terphenyl (SURR)	11.966	11.966	8870924	42.46		ug/ml
1-chlorooctadecane (SURR)	13.404	13.404	6954863	43.17		ug/ml
Aliphatic C9-C28	3.221	17.343	6903886	37.054	1200	ug/ml