

Report of Analysis

Client:	PSEG	Date Collected:	12/09/25
Project:	PSEG Gloucester Substation	Date Received:	12/09/25
Client Sample ID:	EPH-6	SDG No.:	Q3821
Lab Sample ID:	Q3821-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.07 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/10/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	4.55		1	1.33	2.25	mg/kg	FE057284.D	12/10/25 17:39	PB170886
Aliphatic C9-C28	Aliphatic C9-C28	3.91	J	1	1.02	4.49	mg/kg	FE057284.D	12/10/25 17:39	PB170886
Total AliphaticEPH	Total AliphaticEPH	8.46			2.35	6.74	mg/kg			
Total EPH	Total EPH	8.46			2.35	6.74	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:	12/09/25
Project:	PSEG Gloucester Substation	Date Received:	12/09/25
Client Sample ID:	EPH-6	SDG No.:	Q3821
Lab Sample ID:	Q3821-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.07 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/10/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.91	J	1	1.02	4.49	mg/kg	12/10/25	PB170886
Aliphatic C28-C40	Aliphatic C28-C40	4.55		1	1.33	2.25	mg/kg	12/10/25	PB170886
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.5			40 - 140	59%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.7			40 - 140	69%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3821-07	Acq On:	10 Dec 2025 17:39
Client Sample ID:	EPH-6	Operator:	YP\AJ
Data file:	FE057284.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.189	6.816	860546	4.289	300	ug/ml
Aliphatic C12-C16	6.817	10.262	852194	4.194	200	ug/ml
Aliphatic C16-C21	10.263	13.636	8650242	43.619	300	ug/ml
Aliphatic C21-C28	13.637	17.306	1135552	5.714	400	ug/ml
Aliphatic C28-C40	17.307	22.235	12135416	60.707	600	ug/ml
Aliphatic EPH	3.189	22.235	23633950	118.523		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	7606581	34.66		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4911078	29.51		ug/ml
Aliphatic C9-C28	3.189	17.306	11498534	57.816	1200	ug/ml