

Report of Analysis

Client:	PSEG	Date Collected:	11/05/25
Project:	Gloucester Substation	Date Received:	11/05/25
Client Sample ID:	TP-1-EPH-4	SDG No.:	Q3546
Lab Sample ID:	Q3546-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.01 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	37.9		1	1.34	2.27	mg/kg	FE056699.D	11/06/25 18:09	PB170423
Aliphatic C9-C28	Aliphatic C9-C28	5.64		1	1.03	4.55	mg/kg	FE056699.D	11/06/25 18:09	PB170423
Total AliphaticEPH	Total AliphaticEPH	43.5			2.37	6.82	mg/kg			
Total EPH	Total EPH	43.5			2.37	6.82	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	11/06/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	5.64	1		1.03	4.55	mg/kg	11/06/25	PB170423
Aliphatic C28-C40	Aliphatic C28-C40	37.9	1		1.34	2.27	mg/kg	11/06/25	PB170423
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	43.8			40 - 140	88%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	43.5			40 - 140	87%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3546-05	Acq On:	06 Nov 2025 18:09
Client Sample ID:	TP-1-EPH-4	Operator:	YP\AJ
Data file:	FE056699.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.847	850987	4.972	300	ug/ml
Aliphatic C12-C16	6.848	10.296	1622020	9.074	200	ug/ml
Aliphatic C16-C21	10.297	13.673	2907858	15.591	300	ug/ml
Aliphatic C21-C28	13.674	17.343	8651573	44.881	400	ug/ml
Aliphatic C28-C40	17.344	22.292	79695369	500.239	600	ug/ml
Aliphatic EPH	3.221	22.292	93727807	574.757		ug/ml
ortho-Terphenyl (SURR)	11.966	11.966	9087150	43.5		ug/ml
1-chlorooctadecane (SURR)	13.404	13.404	7060859	43.82		ug/ml
Aliphatic C9-C28	3.221	17.343	14032438	74.518	1200	ug/ml