

Report of Analysis

Client:	PSEG	Date Collected:	11/05/25
Project:	Gloucester Substation	Date Received:	11/05/25
Client Sample ID:	TP-1-EPH-3	SDG No.:	Q3546
Lab Sample ID:	Q3546-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.08 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	18.2		1	1.30	2.21	mg/kg	FE056698.D	11/06/25 17:39	PB170423
Aliphatic C9-C28	Aliphatic C9-C28	5.03		1	1.00	4.41	mg/kg	FE056698.D	11/06/25 17:39	PB170423
Total AliphaticEPH	Total AliphaticEPH	23.2			2.31	6.62	mg/kg			
Total EPH	Total EPH	23.2			2.31	6.62	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 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	5.03	1		1.00	4.41	mg/kg	11/06/25	PB170423
Aliphatic C28-C40	Aliphatic C28-C40	18.2	1		1.30	2.21	mg/kg	11/06/25	PB170423
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.2			40 - 140	48%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.7			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3546-04	Acq On:	06 Nov 2025 17:39
Client Sample ID:	TP-1-EPH-3	Operator:	YP\AJ
Data file:	FE056698.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.847	505825	2.955	300	ug/ml
Aliphatic C12-C16	6.848	10.296	884693	4.949	200	ug/ml
Aliphatic C16-C21	10.297	13.673	6030791	32.336	300	ug/ml
Aliphatic C21-C28	13.674	17.343	5423104	28.133	400	ug/ml
Aliphatic C28-C40	17.344	22.292	39283748	246.58	600	ug/ml
Aliphatic EPH	3.221	22.292	52128161	314.953		ug/ml
ortho-Terphenyl (SURR)	11.963	11.963	4741574	22.7		ug/ml
1-chlorooctadecane (SURR)	13.403	13.403	3902603	24.22		ug/ml
Aliphatic C9-C28	3.221	17.343	12844413	68.373	1200	ug/ml