

Report of Analysis

Client:	PSEG	Date Collected:	11/05/25
Project:	Gloucester Substation	Date Received:	11/05/25
Client Sample ID:	TP-COMP	SDG No.:	Q3546
Lab Sample ID:	Q3546-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.03 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	7.34		1	1.30	2.21	mg/kg	FC070151.D	11/06/25 21:12	PB170423
Aliphatic C9-C28	Aliphatic C9-C28	7.92		1	1.00	4.41	mg/kg	FC070151.D	11/06/25 21:12	PB170423
Total AliphaticEPH	Total AliphaticEPH	15.3			2.31	6.62	mg/kg			
Total EPH	Total EPH	15.3			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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	7.92	1		1.00	4.41	mg/kg	11/06/25	PB170423
Aliphatic C28-C40	Aliphatic C28-C40	7.34	1		1.30	2.21	mg/kg	11/06/25	PB170423
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	39.1			40 - 140	78%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.7			40 - 140	75%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3546-01	Acq On:	06 Nov 2025 21:12
Client Sample ID:	TP-COMP	Operator:	YP/AJ
Data file:	FC070151.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.279	21.959	29026986	207.493		ug/ml
ortho-Terphenyl (SURR)	11.639	11.639	6612576	37.67		ug/ml
1-chlorooctadecane (SURR)	13.074	13.074	5226556	39.09		ug/ml
Aliphatic C9-C12	3.279	6.571	563414	3.824	300	ug/ml
Aliphatic C12-C16	6.572	9.972	1015230	6.287	200	ug/ml
Aliphatic C16-C21	9.973	13.339	13082164	81.162	300	ug/ml
Aliphatic C21-C28	13.340	17.004	2491258	16.475	400	ug/ml
Aliphatic C28-C40	17.005	21.959	11874920	99.744	600	ug/ml
Aliphatic C9-C28	3.279	17.004	17152066	107.748	1200	ug/ml