

Report of Analysis

Client:	PSEG	Date Collected:	11/21/25
Project:	PSEG Sewaren Laydown Yard	Date Received:	11/21/25
Client Sample ID:	72-12017	SDG No.:	Q3711
Lab Sample ID:	Q3711-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	9.26		1	1.35	2.29	mg/kg	FE057012.D	11/24/25 21:44	PB170707
Aliphatic C9-C28	Aliphatic C9-C28	2.11	J	1	1.04	4.57	mg/kg	FE057012.D	11/24/25 21:44	PB170707
Total AliphaticEPH	Total AliphaticEPH	11.4			2.39	6.86	mg/kg			
Total EPH	Total EPH	11.4			2.39	6.86	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.11	J	1	1.04	4.57	mg/kg	11/24/25	PB170707
Aliphatic C28-C40	Aliphatic C28-C40	9.26		1	1.35	2.29	mg/kg	11/24/25	PB170707
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	22.1			40 - 140	44%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.1			40 - 140	52%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3711-03	Acq On:	24 Nov 2025 21:44
Client Sample ID:	72-12017	Operator:	YP\AJ
Data file:	FE057012.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.204	6.829	320903	1.875	300	ug/ml
Aliphatic C12-C16	6.830	10.275	712211	3.984	200	ug/ml
Aliphatic C16-C21	10.276	13.649	1089978	5.844	300	ug/ml
Aliphatic C21-C28	13.650	17.319	3444923	17.871	400	ug/ml
Aliphatic C28-C40	17.320	22.252	19325233	121.302	600	ug/ml
Aliphatic EPH	3.204	22.252	24893248	150.877		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	5457405	26.12		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	3554539	22.06		ug/ml
Aliphatic C9-C28	3.204	17.319	5568015	29.574	1200	ug/ml