

Report of Analysis

Client:	PSEG	Date Collected:	12/05/25
Project:	PSEG Sewaren Laydown Yard	Date Received:	12/05/25
Client Sample ID:	72-11966-EPH	SDG No.:	Q3795
Lab Sample ID:	Q3795-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	5.76		1	1.28	2.17	mg/kg	FE057219.D	12/08/25 16:36	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	1.61	J	1	0.99	4.32	mg/kg	FE057219.D	12/08/25 16:36	PB170866
Total AliphaticEPH	Total AliphaticEPH	7.37			2.27	6.49	mg/kg			
Total EPH	Total EPH	7.37			2.27	6.49	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	12/08/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.61	J	1	0.99	4.32	mg/kg	12/08/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	5.76		1	1.28	2.17	mg/kg	12/08/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.7			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.3			40 - 140	63%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3795-02	Acq On:	08 Dec 2025 16:36
Client Sample ID:	72-11966-EPH	Operator:	YP\AJ
Data file:	FE057219.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.819	711673	3.547	300	ug/ml
Aliphatic C12-C16	6.820	10.265	894642	4.403	200	ug/ml
Aliphatic C16-C21	10.266	13.640	1007194	5.079	300	ug/ml
Aliphatic C21-C28	13.641	17.310	1828221	9.199	400	ug/ml
Aliphatic C28-C40	17.311	22.240	15942916	79.755	600	ug/ml
Aliphatic EPH	3.193	22.240	20384646	101.982		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	6874703	31.33		ug/ml
1-chlorooctadecane (SURR)	13.372	13.372	4437827	26.67		ug/ml
Aliphatic C9-C28	3.193	17.310	4441730	22.228	1200	ug/ml