

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	PSEG Trenton M&R	Date Received:	10/29/25
Client Sample ID:	TP6	SDG No.:	Q3486
Lab Sample ID:	Q3486-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/30/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1	1.34	2.27	mg/kg	FE056602.D	10/31/25 10:21	PB170326
Aliphatic C9-C28	Aliphatic C9-C28	68.3		1	1.03	4.53	mg/kg	FE056602.D	10/31/25 10:21	PB170326
Total AliphaticEPH	Total AliphaticEPH	85.8			2.37	6.80	mg/kg			
Total EPH	Total EPH	85.8			2.37	6.80	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	68.3	1		1.03	4.53	mg/kg	10/31/25	PB170326
Aliphatic C28-C40	Aliphatic C28-C40	17.5	1		1.34	2.27	mg/kg	10/31/25	PB170326
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	37.4			40 - 140	75%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.3			40 - 140	77%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3486-07	Acq On:	31 Oct 2025 10:21
Client Sample ID:	TP6	Operator:	YP\AJ
Data file:	FE056602.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.227	6.853	404675	2.364	300	ug/ml
Aliphatic C12-C16	6.854	10.303	10927970	61.134	200	ug/ml
Aliphatic C16-C21	10.304	13.679	69784279	374.167	300	ug/ml
Aliphatic C21-C28	13.680	17.352	89772393	465.706	400	ug/ml
Aliphatic C28-C40	17.353	22.305	36804628	231.018	600	ug/ml
Aliphatic EPH	3.227	22.305	207693945	1130		ug/ml
ortho-Terphenyl (SURR)	11.979	11.979	8008585	38.33		ug/ml
1-chlorooctadecane (SURR)	13.418	13.418	6032373	37.44		ug/ml
Aliphatic C9-C28	3.227	17.352	170889317	903.371	1200	ug/ml