

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	PSEG Trenton M&R	Date Received:	10/29/25
Client Sample ID:	TP6-E2	SDG No.:	Q3486
Lab Sample ID:	Q3486-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.03 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	11.7		1	1.35	2.29	mg/kg	FE056603.D	10/31/25 10:52	PB170326
Aliphatic C9-C28	Aliphatic C9-C28	28.3		1	1.04	4.56	mg/kg	FE056603.D	10/31/25 10:52	PB170326
Total AliphaticEPH	Total AliphaticEPH	40.0			2.39	6.85	mg/kg			
Total EPH	Total EPH	40.0			2.39	6.85	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	28.3	1		1.04	4.56	mg/kg	10/31/25	PB170326
Aliphatic C28-C40	Aliphatic C28-C40	11.7	1		1.35	2.29	mg/kg	10/31/25	PB170326
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	35.7			40 - 140	71%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	41.1			40 - 140	82%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3486-08	Acq On:	31 Oct 2025 10:52
Client Sample ID:	TP6-E2	Operator:	YP\AJ
Data file:	FE056603.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.227	6.853	295788	1.728	300	ug/ml
Aliphatic C12-C16	6.854	10.303	4912388	27.481	200	ug/ml
Aliphatic C16-C21	10.304	13.679	24554637	131.656	300	ug/ml
Aliphatic C21-C28	13.680	17.352	41061773	213.013	400	ug/ml
Aliphatic C28-C40	17.353	22.305	24549585	154.095	600	ug/ml
Aliphatic EPH	3.227	22.305	95374171	527.974		ug/ml
ortho-Terphenyl (SURR)	11.977	11.977	8583091	41.08		ug/ml
1-chlorooctadecane (SURR)	13.415	13.415	5758896	35.74		ug/ml
Aliphatic C9-C28	3.227	17.352	70824586	373.878	1200	ug/ml