

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	PSEG Trenton M&R	Date Received:	10/29/25
Client Sample ID:	TP5	SDG No.:	Q3486
Lab Sample ID:	Q3486-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.1
Sample Wt/Vol:	30.06 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	5.21		1	1.42	2.40	mg/kg	FC070090.D	10/30/25 17:26	PB170326
Aliphatic C9-C28	Aliphatic C9-C28	1.09	U	1	1.09	4.80	mg/kg	FC070090.D	10/30/25 17:26	PB170326
Total AliphaticEPH	Total AliphaticEPH	5.21	J		2.51	7.20	mg/kg			
Total EPH	Total EPH	5.21	J		2.51	7.20	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	0.000	U	1	1.09	4.80	mg/kg	10/30/25	PB170326
Aliphatic C28-C40	Aliphatic C28-C40	5.21		1	1.42	2.40	mg/kg	10/30/25	PB170326
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.5			40 - 140	69%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	32.1			40 - 140	64%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3486-05	Acq On:	30 Oct 2025 17:26
Client Sample ID:	TP5	Operator:	YP/AJ
Data file:	FC070090.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.282	6.575	392852	2.713	300	ug/ml
Aliphatic C12-C16	6.576	9.976	959000	5.855	200	ug/ml
Aliphatic C16-C21	9.977	13.344	627929	3.877	300	ug/ml
Aliphatic C21-C28	13.345	17.011	984893	6.693	400	ug/ml
Aliphatic C28-C40	17.012	21.970	7008388	65.134	600	ug/ml
Aliphatic EPH	3.282	21.970	9973062	84.273		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	5639909	32.12		ug/ml
1-chlorooctadecane (SURR)	13.081	13.081	4683871	34.51		ug/ml
Aliphatic C9-C28	3.282	17.011	2964674	19.138	1200	ug/ml