

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	PSEG Trenton M&R	Date Received:	10/29/25
Client Sample ID:	TP5-E2	SDG No.:	Q3486
Lab Sample ID:	Q3486-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
Sample Wt/Vol:	30.04 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	11.9		1	1.45	2.47	mg/kg	FE056589.D	10/30/25 17:57	PB170326
Aliphatic C9-C28	Aliphatic C9-C28	1.12	U	1	1.12	4.92	mg/kg	FE056589.D	10/30/25 17:57	PB170326
Total AliphaticEPH	Total AliphaticEPH	11.9			2.57	7.39	mg/kg			
Total EPH	Total EPH	11.9			2.57	7.39	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 Method :		Prep Date	10/30/25
		Test:	EPH_NF

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	1.12	4.92	mg/kg	10/30/25	PB170326
Aliphatic C28-C40	Aliphatic C28-C40	11.9		1	1.45	2.47	mg/kg	10/30/25	PB170326
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.5			40 - 140	59%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.2			40 - 140	56%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3486-06	Acq On:	30 Oct 2025 17:57
Client Sample ID:	TP5-E2	Operator:	YP\AJ
Data file:	FE056589.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.232	6.857	150659	0.88	300	ug/ml
Aliphatic C12-C16	6.858	10.306	1385879	7.753	200	ug/ml
Aliphatic C16-C21	10.307	13.683	735182	3.942	300	ug/ml
Aliphatic C21-C28	13.684	17.354	653065	3.388	400	ug/ml
Aliphatic C28-C40	17.355	22.310	23036992	144.601	600	ug/ml
Aliphatic EPH	3.232	22.310	25961777	160.564		ug/ml
ortho-Terphenyl (SURR)	11.980	11.980	5884195	28.17		ug/ml
1-chlorooctadecane (SURR)	13.419	13.419	4755458	29.52		ug/ml
Aliphatic C9-C28	3.232	17.354	2924785	15.963	1200	ug/ml