

Report of Analysis

Client:	PSEG	Date Collected:	10/29/25
Project:	PSEG Trenton M&R	Date Received:	10/29/25
Client Sample ID:	TP3-E2	SDG No.:	Q3486
Lab Sample ID:	Q3486-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
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	16.1		1	1.23	2.09	mg/kg	FE056586.D	10/30/25 16:25	PB170326
Aliphatic C9-C28	Aliphatic C9-C28	3.40	J	1	0.95	4.19	mg/kg	FE056586.D	10/30/25 16:25	PB170326
Total AliphaticEPH	Total AliphaticEPH	19.5			2.18	6.28	mg/kg			
Total EPH	Total EPH	19.5			2.18	6.28	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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Aliphatic C28-C40	Aliphatic C28-C40	16.1		1	1.23	2.09	mg/kg	10/30/25	PB170326
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.7			40 - 140	59%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.9			40 - 140	58%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3486-02	Acq On:	30 Oct 2025 16:25
Client Sample ID:	TP3-E2	Operator:	YP\AJ
Data file:	FE056586.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.232	6.857	186146	1.088	300	ug/ml
Aliphatic C12-C16	6.858	10.306	2980383	16.673	200	ug/ml
Aliphatic C16-C21	10.307	13.683	2028639	10.877	300	ug/ml
Aliphatic C21-C28	13.684	17.354	4096881	21.253	400	ug/ml
Aliphatic C28-C40	17.355	22.310	36797590	230.974	600	ug/ml
Aliphatic EPH	3.232	22.310	46089639	280.865		ug/ml
ortho-Terphenyl (SURR)	11.983	11.983	6032694	28.88		ug/ml
1-chlorooctadecane (SURR)	13.421	13.421	4782221	29.68		ug/ml
Aliphatic C9-C28	3.232	17.354	9292049	49.891	1200	ug/ml