

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	South Mahwah Switch	Date Received:	
Client Sample ID:	PB170345BSD	SDG No.:	Q3477
Lab Sample ID:	PB170345BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	EPH
Prep Method :	SW3510	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 C9-C12	Aliphatic C9-C12	149		1	8.28	30.0	ug/l	FC070100.D	10/31/25 12:06	PB170345
Aliphatic C12-C16	Aliphatic C12-C16	127		1	13.5	20.0	ug/l	FC070100.D	10/31/25 12:06	PB170345
Aliphatic C16-C21	Aliphatic C16-C21	218		1	8.34	30.0	ug/l	FC070100.D	10/31/25 12:06	PB170345
Aliphatic C21-C28	Aliphatic C21-C28	291		1	12.5	40.0	ug/l	FC070100.D	10/31/25 12:06	PB170345
Aliphatic C28-C40	Aliphatic C28-C40	516		1	23.8	60.0	ug/l	FC070100.D	10/31/25 12:06	PB170345
Aromatic C10-C12	Aromatic C10-C12	128		1	2.07	20.0	ug/l	FD049863.D	10/31/25 12:06	PB170345
Aromatic C12-C16	Aromatic C12-C16	208		1	4.26	30.0	ug/l	FD049863.D	10/31/25 12:06	PB170345
Aromatic C16-C21	Aromatic C16-C21	414		1	8.27	50.0	ug/l	FD049863.D	10/31/25 12:06	PB170345
Aromatic C21-C36	Aromatic C21-C36	685		1	23.8	80.0	ug/l	FD049863.D	10/31/25 12:06	PB170345
Total AliphaticEPH	Total AliphaticEPH	1300			66.4	180	ug/l			
Total AromaticEPH	Total AromaticEPH	1440			38.4	180	ug/l			
Total EPH	Total EPH	2740			105	360	ug/l			

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	516	1		23.8	60.0	ug/l	10/31/25	PB170345
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	39.4			40 - 140	79%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170345BSD	Acq On:	31 Oct 2025 12:06
Client Sample ID:	PB170345BSD	Operator:	YP/AJ
Data file:	FC070100.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.281	6.574	10847792	74.923	300	ug/ml
Aliphatic C12-C16	6.575	9.976	10461707	63.876	200	ug/ml
Aliphatic C16-C21	9.977	13.346	17709555	109.355	300	ug/ml
Aliphatic C21-C28	13.347	17.012	21444929	145.743	400	ug/ml
Aliphatic C28-C40	17.013	21.974	27813217	258.488	600	ug/ml
Aliphatic EPH	3.281	21.974	88277200	652.384		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.080	13.080	5341160	39.35		ug/ml
Aliphatic C9-C28	3.281	17.012	60463983	393.897	1200	ug/ml