

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Ridgefield OH ROW Bridge	Date Received:	
Client Sample ID:	PB170607BSD	SDG No.:	Q3660
Lab Sample ID:	PB170607BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	2000 uL
Prep Method :	SW3510	Prep Date :	11/18/25
		Test:	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Total AliphaticEPH	Total AliphaticEPH	1400			66.4	180	ug/l			
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l			
Total EPH	Total EPH	1400			66.4	180	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	144	1		2.07	20.0	ug/l	11/18/25	PB170607
Aromatic C12-C16	Aromatic C12-C16	240	1		4.26	30.0	ug/l	11/18/25	PB170607
Aromatic C16-C21	Aromatic C16-C21	416	1		8.27	50.0	ug/l	11/18/25	PB170607
Aromatic C21-C36	Aromatic C21-C36	735	1		23.8	80.0	ug/l	11/18/25	PB170607
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	54.6			40 - 140	109%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	55.0			40 - 140	110%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.1			40 - 140	80%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB170607BSD	Acq On:	18 Nov 2025 17:49
Client Sample ID:	PB170607BSD	Operator:	YP\AJ
Data file:	FF016739.D	Misc:	
Instrument:	FID_F	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.487	6.366	9537559	72.274	200	ug/ml
Aromatic C12-C16	6.367	9.073	16237037	120.126	300	ug/ml
Aromatic C16-C21	9.074	13.397	27853278	208.26	500	ug/ml
Aromatic C21-C36	13.398	18.864	43286559	367.876	800	ug/ml
Aromatic EPH	4.487	18.864	96914433	768.536		ug/ml
2-Bromonaphthalene (SURR)	8.009	8.009	6183675	54.57		ug/ml
2-Fluorobiphenyl (SURR)	8.885	8.885	3920987	54.98		ug/ml
ortho-Terphenyl (SURR)	11.952	11.952	5893530	40.13		ug/ml