

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Locust Street 69kV Breaker	Date Received:	
Client Sample ID:	PB169439BS	SDG No.:	Q2971
Lab Sample ID:	PB169439BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/28/25 09:10	08/29/25 12:05	PB169439

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aromatic C10-C12	Aromatic C10-C12	165		1	2.07	20.0	ug/l	FD049709.D
Aromatic C12-C16	Aromatic C12-C16	297		1	4.26	30.0	ug/l	FD049709.D
Aromatic C16-C21	Aromatic C16-C21	603		1	8.27	50.0	ug/l	FD049709.D
Aromatic C21-C36	Aromatic C21-C36	975		1	23.8	80.0	ug/l	FD049709.D
Total AliphaticEPH	Total AliphaticEPH	0	U		0	0	ug/l	
Total AromaticEPH	Total AromaticEPH	2040			38.4	180	ug/l	
Total EPH	Total EPH	2040			38.4	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049709.D	1	08/28/25	08/29/25	PB169439

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SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.5		40 - 140	101%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.6		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.0		40 - 140	88%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169439BS	Acq On:	29 Aug 2025 12:05
Client Sample ID:	PB169439BS	Operator:	YP/AJ
Data file:	FD049709.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.148	8932403	82.754	200	ug/ml
Aromatic C12-C16	6.149	8.777	18354905	148.526	300	ug/ml
Aromatic C16-C21	8.778	13.068	38187090	301.907	500	ug/ml
Aromatic C21-C36	13.069	18.488	54929420	487.749	800	ug/ml
Aromatic EPH	4.405	18.488	120403818	1020		ug/ml
2-Bromonaphthalene (SURR)	7.714	7.714	5179497	50.54		ug/ml
2-Fluorobiphenyl (SURR)	8.580	8.580	3624726	49.62		ug/ml
ortho-Terphenyl (SURR)	11.626	11.626	5712997	44.02		ug/ml