

Report of Analysis

Client:	PSEG	Date Collected:	11/04/25
Project:	PSEG Leon Street Laydown Yard	Date Received:	11/04/25
Client Sample ID:	N48969	SDG No.:	Q3541
Lab Sample ID:	Q3541-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 mL	Test:	EPH
Prep Method :	SW3510	Final Vol:	2000 uL
		Prep Date :	11/05/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	9.18	J	1	8.36	30.3	ug/l	FE056689.D	11/06/25 12:31	PB170417
Aliphatic C12-C16	Aliphatic C12-C16	20.2	U	1	13.6	20.2	ug/l	FE056689.D	11/06/25 12:31	PB170417
Aliphatic C16-C21	Aliphatic C16-C21	30.3	U	1	8.42	30.3	ug/l	FE056689.D	11/06/25 12:31	PB170417
Aliphatic C21-C28	Aliphatic C21-C28	40.4	U	1	12.6	40.4	ug/l	FE056689.D	11/06/25 12:31	PB170417
Aliphatic C28-C40	Aliphatic C28-C40	157		1	24.0	60.6	ug/l	FE056689.D	11/06/25 12:31	PB170417
Aromatic C10-C12	Aromatic C10-C12	5.51	J	1	2.09	20.2	ug/l	FD049884.D	11/06/25 15:03	PB170417
Aromatic C12-C16	Aromatic C12-C16	88.5		1	4.30	30.3	ug/l	FD049884.D	11/06/25 15:03	PB170417
Aromatic C16-C21	Aromatic C16-C21	39.3	J	1	8.35	50.5	ug/l	FD049884.D	11/06/25 15:03	PB170417
Aromatic C21-C36	Aromatic C21-C36	26.5	J	1	24.0	80.8	ug/l	FD049884.D	11/06/25 15:03	PB170417
Total AliphaticEPH	Total AliphaticEPH	166	J		67.0	182	ug/l			
Total AromaticEPH	Total AromaticEPH	160	J		38.7	182	ug/l			
Total EPH	Total EPH	326	J		106	364	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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Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 mL	Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH
		Prep Date	11/05/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	5.51	J	1	2.09	20.2	ug/l	11/06/25	PB170417
Aromatic C12-C16	Aromatic C12-C16	88.5		1	4.30	30.3	ug/l	11/06/25	PB170417
Aromatic C16-C21	Aromatic C16-C21	39.3	J	1	8.35	50.5	ug/l	11/06/25	PB170417
Aromatic C21-C36	Aromatic C21-C36	26.5	J	1	24.0	80.8	ug/l	11/06/25	PB170417
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	48.3			40 - 140	97%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	47.3			40 - 140	95%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.9			40 - 140	80%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3541-01	Acq On:	06 Nov 2025 15:03
Client Sample ID:	N48969	Operator:	YP/AJ
Data file:	FD049884.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.391	6.134	318996	2.726	200	ug/ml
Aromatic C12-C16	6.135	8.762	5866200	43.794	300	ug/ml
Aromatic C16-C21	8.763	13.050	2625636	19.431	500	ug/ml
Aromatic C21-C36	13.051	18.469	1665437	13.116	800	ug/ml
Aromatic EPH	4.391	18.469	10476269	79.066		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	5651262	39.92		ug/ml
2-Bromonaphthalene (SURR)	7.699	7.699	5357795	48.27		ug/ml
2-Fluorobiphenyl (SURR)	8.563	8.563	3701992	47.26		ug/ml