

Report of Analysis

Client:	PSEG	Date Collected:	08/25/25
Project:	MT Laurel Row Bridge	Date Received:	08/25/25
Client Sample ID:	BRIDGE	SDG No.:	Q2954
Lab Sample ID:	Q2954-11	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/26/25 16:27	PB169398

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	11.8	J	1	8.36	30.3	ug/l	FE055510.D
Aliphatic C12-C16	Aliphatic C12-C16	20.2	U	1	13.6	20.2	ug/l	FE055510.D
Aliphatic C16-C21	Aliphatic C16-C21	10.8	J	1	8.42	30.3	ug/l	FE055510.D
Aliphatic C21-C28	Aliphatic C21-C28	40.4	U	1	12.6	40.4	ug/l	FE055510.D
Aliphatic C28-C40	Aliphatic C28-C40	184		1	24.0	60.6	ug/l	FE055510.D
Aromatic C10-C12	Aromatic C10-C12	6.34	J	1	2.09	20.2	ug/l	FD049675.D
Aromatic C12-C16	Aromatic C12-C16	10.4	J	1	4.30	30.3	ug/l	FD049675.D
Aromatic C16-C21	Aromatic C16-C21	42.9	J	1	8.35	50.5	ug/l	FD049675.D
Aromatic C21-C36	Aromatic C21-C36	60.4	J	1	24.0	80.8	ug/l	FD049675.D
Total AliphaticEPH	Total AliphaticEPH	207			67.0	182	ug/l	
Total AromaticEPH	Total AromaticEPH	120	J		38.7	182	ug/l	
Total EPH	Total EPH	327	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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Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Prep Method :	SW3510	Final Vol:	2000
		Test:	EPH

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049675.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.34	J	2.09	20.2	ug/l
Aromatic C12-C16	Aromatic C12-C16	10.4	J	4.30	30.3	ug/l
Aromatic C16-C21	Aromatic C16-C21	42.9	J	8.35	50.5	ug/l
Aromatic C21-C36	Aromatic C21-C36	60.4	J	24.0	80.8	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.6		40 - 140	83%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.4		40 - 140	69%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2954-11	Acq On:	26 Aug 2025 17:52
Client Sample ID:	BRIDGE	Operator:	YP/AJ
Data file:	FD049675.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	4.405	6.149	338486	3.136	200	ug/ml
Aromatic C12-C16	6.150	8.777	637923	5.162	300	ug/ml
Aromatic C16-C21	8.778	13.069	2683960	21.219	500	ug/ml
Aromatic C21-C36	13.070	18.490	3364605	29.876	800	ug/ml
Aromatic EPH	4.405	18.490	7024974	59.393		ug/ml
2-Bromonaphthalene (SURR)	7.714	7.714	4264793	41.61		ug/ml
2-Fluorobiphenyl (SURR)	8.580	8.580	3039264	41.61		ug/ml
ortho-Terphenyl (SURR)	11.626	11.626	4458838	34.35		ug/ml