

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	414 Grand Street Gas Pipe Repair	Date Received:	
Client Sample ID:	PB168639BL	SDG No.:	Q2418
Lab Sample ID:	PB168639BL	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
06/26/25 13:10	06/27/25 12:40	PB168639

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	1	8.28	30.0	ug/l	FG016149.D
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	1	13.5	20.0	ug/l	FG016149.D
Aliphatic C16-C21	Aliphatic C16-C21	30.0	U	1	8.34	30.0	ug/l	FG016149.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	12.5	40.0	ug/l	FG016149.D
Aliphatic C28-C40	Aliphatic C28-C40	60.0	U	1	23.8	60.0	ug/l	FG016149.D
Aromatic C10-C12	Aromatic C10-C12	20.0	U	1	2.07	20.0	ug/l	FD049526.D
Aromatic C12-C16	Aromatic C12-C16	30.0	U	1	4.26	30.0	ug/l	FD049526.D
Aromatic C16-C21	Aromatic C16-C21	50.0	U	1	8.27	50.0	ug/l	FD049526.D
Aromatic C21-C36	Aromatic C21-C36	80.0	U	1	23.8	80.0	ug/l	FD049526.D
Total AliphaticEPH	Total AliphaticEPH	180	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	180	U		38.4	180	ug/l	
Total EPH	Total EPH	360	U		105	360	ug/l	

U = Not Detected

LOQ = Limit of Quantitation

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Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FD049526.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FD049526.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FD049526.D
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Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049526.D	1	06/26/25	06/27/25	PB168639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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Aromatic C12-C16	Aromatic C12-C16	4.26	U	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	8.27	U	8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.2		40 - 140	118%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	60.9		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.1		40 - 140	108%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168639BL	Acq On:	27 Jun 2025 11:04
Client Sample ID:	PB168639BL	Operator:	YP/AJ
Data file:	FD049526.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.429	6.172	0	0	200	ug/ml
Aromatic C12-C16	6.173	8.798	0	0	300	ug/ml
Aromatic C16-C21	8.799	13.088	0	0	500	ug/ml
Aromatic C21-C36	13.089	18.507	0	0	800	ug/ml
Aromatic EPH	4.429	18.507	0	0		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	8587864	54.15		ug/ml
2-Bromonaphthalene (SURR)	7.736	7.736	7547894	59.2		ug/ml
2-Fluorobiphenyl (SURR)	8.601	8.601	5409790	60.93		ug/ml