

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	414 Grand Street Gas Pipe Repair	Date Received:	
Client Sample ID:	PB168639BS	SDG No.:	Q2418
Lab Sample ID:	PB168639BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
06/26/25 13:10	06/27/25 11:45	PB168639

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	1740			66.4	180	ug/l
Total AromaticEPH	Total AromaticEPH	1610			38.4	180	ug/l
Total EPH	Total EPH	3350			105	360	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:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
		Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
06/26/25 08:00	06/27/25 11:45	PB168639

Datafile

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Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
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Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049527.D	1	06/26/25	06/27/25	PB168639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	146		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	240		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	452		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	771		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.2		40 - 140	102%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.5		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.3		40 - 140	87%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168639BS	Acq On:	27 Jun 2025 11:45
Client Sample ID:	PB168639BS	Operator:	YP/AJ
Data file:	FD049527.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.429	6.172	9195466	73.456	200	ug/ml
Aromatic C12-C16	6.173	8.798	17956800	120.395	300	ug/ml
Aromatic C16-C21	8.799	13.088	35510541	226.033	500	ug/ml
Aromatic C21-C36	13.089	18.507	53271401	385.606	800	ug/ml
Aromatic EPH	4.429	18.507	115934208	805.489		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	6866960	43.3		ug/ml
2-Bromonaphthalene (SURR)	7.735	7.735	6530714	51.22		ug/ml
2-Fluorobiphenyl (SURR)	8.601	8.601	4571286	51.48		ug/ml