

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	414 Grand Street Gas Pipe Repair	Date Received:	
Client Sample ID:	PB168639BSD	SDG No.:	Q2418
Lab Sample ID:	PB168639BSD	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 12:31	PB168639

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	1770			66.4	180	ug/l
Total AromaticEPH	Total AromaticEPH	1590			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
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
06/26/25 08:00	06/27/25 12:31	PB168639

Datafile

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Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049528.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	145		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	235		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	440		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	765		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.1		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.1		40 - 140	84%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168639BSD	Acq On:	27 Jun 2025 12:31
Client Sample ID:	PB168639BSD	Operator:	YP/AJ
Data file:	FD049528.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.429	6.172	9109693	72.77	200	ug/ml
Aromatic C12-C16	6.173	8.798	17540096	117.601	300	ug/ml
Aromatic C16-C21	8.799	13.088	34571934	220.058	500	ug/ml
Aromatic C21-C36	13.089	18.507	52893016	382.867	800	ug/ml
Aromatic EPH	4.429	18.507	114114739	793.297		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	6672088	42.07		ug/ml
2-Bromonaphthalene (SURR)	7.735	7.735	6395029	50.15		ug/ml
2-Fluorobiphenyl (SURR)	8.601	8.601	4468820	50.33		ug/ml