

Report of Analysis

Client:	PSEG	Date Collected:	06/25/25
Project:	414 Grand Street Gas Pipe Repair	Date Received:	06/25/25
Client Sample ID:	VAC-TRUCK-4074	SDG No.:	Q2418
Lab Sample ID:	Q2418-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 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 14:09	PB168639

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	28.0	J	1	8.45	30.6	ug/l	FG016152.D
Aliphatic C12-C16	Aliphatic C12-C16	50000		250	3440	5100	ug/l	FG016165.D
Aliphatic C16-C21	Aliphatic C16-C21	149000		500	4260	15300	ug/l	FG016171.D
Aliphatic C21-C28	Aliphatic C21-C28	63800		100	1280	4080	ug/l	FG016164.D
Aliphatic C28-C40	Aliphatic C28-C40	3030		5	121	306	ug/l	FG016163.D
Aromatic C10-C12	Aromatic C10-C12	16.9	J	1	2.11	20.4	ug/l	FD049529.D
Aromatic C12-C16	Aromatic C12-C16	1880		10	43.5	306	ug/l	FD049532.D
Aromatic C16-C21	Aromatic C16-C21	78200		100	843	5100	ug/l	FD049533.D
Aromatic C21-C36	Aromatic C21-C36	35200		100	2430	8160	ug/l	FD049533.D
Total AliphaticEPH	Total AliphaticEPH	266000			9100	24800	ug/l	
Total AromaticEPH	Total AromaticEPH	115000			3320	13600	ug/l	
Total EPH	Total EPH	381000			12400	38400	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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Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049529.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	16.9	J	2.11	20.4	ug/l
Aromatic C12-C16	Aromatic C12-C16	2360	E	4.35	30.6	ug/l
Aromatic C16-C21	Aromatic C16-C21	61200	E	8.44	51.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	29300	E	24.3	81.6	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	0.00		40 - 140	0%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2418-01	Acq On:	27 Jun 2025 13:13
Client Sample ID:	VAC-TRUCK-4074	Operator:	YP/AJ
Data file:	FD049529.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.429	6.172	1035616	8.273	200	ug/ml
Aromatic C12-C16	6.173	8.798	172409694	1160	300	ug/ml
Aromatic C16-C21	8.799	13.088	4711172659	30000	500	ug/ml
Aromatic C21-C36	13.089	18.507	1986557625	14400	800	ug/ml
Aromatic EPH	4.429	18.507	6871175594	45500		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Fluorobiphenyl (SURR)	0.000	0.000	0	0		ug/ml