

Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	Row Watchung Bridge Replacement	Date Received:	06/20/25
Client Sample ID:	A5311	SDG No.:	Q2385
Lab Sample ID:	Q2385-01	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
06/23/25 09:20	06/24/25 11:32	PB168591

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.34	J	1	8.28	30.0	ug/l	FC069264.D
Aliphatic C12-C16	Aliphatic C12-C16	24.3		1	13.5	20.0	ug/l	FC069264.D
Aliphatic C16-C21	Aliphatic C16-C21	10.3	J	1	8.34	30.0	ug/l	FC069264.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	12.5	40.0	ug/l	FC069264.D
Aliphatic C28-C40	Aliphatic C28-C40	93.9		1	23.8	60.0	ug/l	FC069264.D
Aromatic C10-C12	Aromatic C10-C12	9.16	J	1	2.07	20.0	ug/l	FD049508.D
Aromatic C12-C16	Aromatic C12-C16	10.3	J	1	4.26	30.0	ug/l	FD049508.D
Aromatic C16-C21	Aromatic C16-C21	36.7	J	1	8.27	50.0	ug/l	FD049508.D
Aromatic C21-C36	Aromatic C21-C36	24.7	J	1	23.8	80.0	ug/l	FD049508.D
Total AliphaticEPH	Total AliphaticEPH	137	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	80.9	J		38.4	180	ug/l	
Total EPH	Total EPH	218	J		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

Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	Row Watchung Bridge Replacement	Date Received:	06/20/25
Client Sample ID:	A5311	SDG No.:	Q2385
Lab Sample ID:	Q2385-01	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		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069264.D	1	06/23/25	06/24/25	PB168591

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.34	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	24.3		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	10.3	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	93.9		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.5		40 - 140	113%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2385-01	Acq On:	24 Jun 2025 11:32
Client Sample ID:	A5311	Operator:	YP/AJ
Data file:	FC069264.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.606	611691	4.17	300	ug/ml
Aliphatic C12-C16	6.607	10.010	1932794	12.14	200	ug/ml
Aliphatic C16-C21	10.011	13.381	798261	5.169	300	ug/ml
Aliphatic C21-C28	13.382	17.047	526804	3.932	400	ug/ml
Aliphatic C28-C40	17.048	22.029	4324536	46.942	600	ug/ml
Aliphatic EPH	3.308	22.029	8194086	72.354		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.118	13.118	7384526	56.52		ug/ml
Aliphatic C9-C28	3.308	17.047	3869550	25.411	1200	ug/ml