

Report of Analysis

Client:	PSEG	Date Collected:	07/30/25
Project:	Row Watchung Bridge Replacement	Date Received:	07/30/25
Client Sample ID:	WBR-PBO	SDG No.:	Q2726
Lab Sample ID:	Q2726-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/31/25 09:05	07/31/25 14:17	PB169067

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.86		1	1.46	2.48	mg/kg	FE055092.D
Aliphatic C9-C28	Aliphatic C9-C28	4.57	J	1	1.13	4.96	mg/kg	FE055092.D
Total AliphaticEPH	Total AliphaticEPH	14.4			2.59	7.44	mg/kg	
Total EPH	Total EPH	14.4			2.59	7.44	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055092.D	1	07/31/25	07/31/25	PB169067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.57	J	1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.86		1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2726-01	Acq On:	31 Jul 2025 14:17
Client Sample ID:	WBR-PBO	Operator:	YP\AJ
Data file:	FE055092.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	533951	4.307	300	ug/ml
Aliphatic C12-C16	6.961	10.414	937404	7.053	200	ug/ml
Aliphatic C16-C21	10.415	13.793	1972807	15.044	300	ug/ml
Aliphatic C21-C28	13.794	17.465	3615326	28.979	400	ug/ml
Aliphatic C28-C40	17.466	22.493	14394130	119.464	600	ug/ml
Aliphatic EPH	3.325	22.493	21453618	174.847		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	4451113	30.07		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	3463454	30.93		ug/ml
Aliphatic C9-C28	3.325	17.465	7059488	55.383	1200	ug/ml