284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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:	Q2726-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/31/25 09:05	07/31/25 16:18	PB169067

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1	1.36	2.30	mg/kg	FE055096.D
Aliphatic C9-C28	Aliphatic C9-C28	7.58		1	1.05	4.61	mg/kg	FE055096.D
Total AliphaticEPH	Total AliphaticEPH	17.9			2.41	6.91	mg/kg	
Total EPH	Total EPH	17.9			2.41	6.91	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055096.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	7.58		1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.1		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2726-02	Acq On:	31 Jul 2025 16:18
Client Sample ID:	WBR-PBO	Operator:	YP\AJ
Data file:	FE055096.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	368652	2.974	300	ug/ml
Aliphatic C12-C16	6.961	10.414	851195	6.404	200	ug/ml
Aliphatic C16-C21	10.415	13.793	6561163	50.034	300	ug/ml
Aliphatic C21-C28	13.794	17.465	4903696	39.306	400	ug/ml
Aliphatic C28-C40	17.466	22.493	16108023	133.689	600	ug/ml
Aliphatic EPH	3.325	22.493	28792729	232.407		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	4239652	28.64		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	3258738	29.1		ug/ml
Aliphatic C9-C28	3.325	17.465	12684706	98.718	1200	ug/ml