

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	Row Watchung Bridge Replacement	Date Received:	06/16/25
Client Sample ID:	WBR-2-E2	SDG No.:	Q2336
Lab Sample ID:	Q2336-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/17/25 09:40	06/17/25 18:01	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.99		1	1.42	2.41	mg/kg FE054450.D
Aliphatic C9-C28	Aliphatic C9-C28	7.35		1	1.10	4.84	mg/kg FE054450.D
Total AliphaticEPH	Total AliphaticEPH	11.3			2.52	7.25	mg/kg
Total EPH	Total EPH	11.3			2.52	7.25	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054450.D	1	06/17/25	06/17/25	PB168506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.35		1.10	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.99		1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.9		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.0		40 - 140	96%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2336-04	Acq On:	17 Jun 2025 18:01
Client Sample ID:	WBR-2-E2	Operator:	YP\AJ
Data file:	FE054450.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	3.073	6.717	1709754	13.65	300	ug/ml
Aliphatic C12-C16	6.718	10.164	639457	4.876	200	ug/ml
Aliphatic C16-C21	10.165	13.536	8511052	63.55	300	ug/ml
Aliphatic C21-C28	13.537	17.202	1183424	9.313	400	ug/ml
Aliphatic C28-C40	17.203	22.064	6356060	49.562	600	ug/ml
Aliphatic EPH	3.073	22.064	18399747	140.951		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	7937503	48.04		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	6688322	54.85		ug/ml
Aliphatic C9-C28	3.073	17.202	12043687	91.389	1200	ug/ml