

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	SDG No.:	Q2336
Lab Sample ID:	Q2336-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.5
Sample Wt/Vol:	30.02	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 17:31	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.55		1	1.43	2.42	mg/kg	FE054449.D
Aliphatic C9-C28	Aliphatic C9-C28	2.27	J	1	1.10	4.85	mg/kg	FE054449.D
Total AliphaticEPH	Total AliphaticEPH	6.82	J		2.53	7.27	mg/kg	
Total EPH	Total EPH	6.82	J		2.53	7.27	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

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	SDG No.:	Q2336
Lab Sample ID:	Q2336-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.5
Sample Wt/Vol:	30.02 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
FE054449.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	2.27	J	1.10	4.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.55		1.43	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2336-03	Acq On:	17 Jun 2025 17:31
Client Sample ID:	WBR-2	Operator:	YP\AJ
Data file:	FE054449.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.717	1582514	12.634	300	ug/ml
Aliphatic C12-C16	6.718	10.164	503951	3.843	200	ug/ml
Aliphatic C16-C21	10.165	13.536	448941	3.352	300	ug/ml
Aliphatic C21-C28	13.537	17.202	1059666	8.339	400	ug/ml
Aliphatic C28-C40	17.203	22.064	7228020	56.361	600	ug/ml
Aliphatic EPH	3.073	22.064	10823092	84.529		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	5176784	31.33		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	4184165	34.31		ug/ml
Aliphatic C9-C28	3.073	17.202	3595072	28.168	1200	ug/ml