

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	Row Watchung Bridge Replacement	Date Received:	06/16/25
Client Sample ID:	WBR-1-E2	SDG No.:	Q2336
Lab Sample ID:	Q2336-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

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

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	7.04		1	1.53	2.59	mg/kg FE054448.D
Aliphatic C9-C28	Aliphatic C9-C28	6.62		1	1.18	5.16	mg/kg FE054448.D
Total AliphaticEPH	Total AliphaticEPH	13.7			2.71	7.75	mg/kg
Total EPH	Total EPH	13.7			2.71	7.75	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-1-E2	SDG No.:	Q2336
Lab Sample ID:	Q2336-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.01 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
FE054448.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	6.62		1.18	5.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.04		1.53	2.59	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.4		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.3		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2336-02	Acq On:	17 Jun 2025 17:01
Client Sample ID:	WBR-1-E2	Operator:	YP\AJ
Data file:	FE054448.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.717	1666422	13.304	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1202297	9.167	200	ug/ml
Aliphatic C16-C21	10.165	13.536	2721427	20.32	300	ug/ml
Aliphatic C21-C28	13.537	17.202	4313830	33.949	400	ug/ml
Aliphatic C28-C40	17.203	22.064	10466828	81.616	600	ug/ml
Aliphatic EPH	3.073	22.064	20370804	158.356		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	7323577	44.32		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	5778070	47.38		ug/ml
Aliphatic C9-C28	3.073	17.202	9903976	76.74	1200	ug/ml