

Report of Analysis

Client:	PSEG	Date Collected:	05/02/25
Project:	PSEG Bound Brook	Date Received:	05/02/25
Client Sample ID:	BB-CONCRETE	SDG No.:	Q1946
Lab Sample ID:	Q1946-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/05/25 09:05	05/05/25 19:46	PB167855

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.57		1	1.18	2.00	mg/kg	FE053652.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE053652.D
Total AliphaticEPH	Total AliphaticEPH	2.57	J		2.09	5.99	mg/kg	
Total EPH	Total EPH	2.57	J		2.09	5.99	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
FE053652.D	1	05/05/25	05/05/25	PB167855

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.57		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1946-02	Acq On:	05 May 2025 19:46
Client Sample ID:	BB-CONCRETE	Operator:	YP\AJ
Data file:	FE053652.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	3.112	6.755	528213	3.812	300	ug/ml
Aliphatic C12-C16	6.756	10.204	643706	4.539	200	ug/ml
Aliphatic C16-C21	10.205	13.579	610278	4.198	300	ug/ml
Aliphatic C21-C28	13.580	17.249	785333	5.524	400	ug/ml
Aliphatic C28-C40	17.250	22.140	4974546	38.548	600	ug/ml
Aliphatic EPH	3.112	22.140	7542076	56.621		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	5514285	30.57		ug/ml
1-chlorooctadecane (SURR)	13.309	13.309	4278172	31.65		ug/ml
Aliphatic C9-C28	3.112	17.249	2567530	18.073	1200	ug/ml