

Report of Analysis

Client:	PSEG	Date Collected:	11/19/25
Project:	PSEG Tonnelle Ave Substation	Date Received:	11/19/25
Client Sample ID:	COMPOSITE-STONE	SDG No.:	Q3678
Lab Sample ID:	Q3678-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	8.11		1	1.18	2.00	mg/kg	FE056963.D	11/20/25 16:34	PB170649
Aliphatic C9-C28	Aliphatic C9-C28	3.99	U	1	0.91	3.99	mg/kg	FE056963.D	11/20/25 16:34	PB170649
Total AliphaticEPH	Total AliphaticEPH	8.11			2.09	5.99	mg/kg			
Total EPH	Total EPH	8.11			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 Date	11/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1	0.91	3.99	mg/kg	11/20/25	PB170649
Aliphatic C28-C40	Aliphatic C28-C40	8.11		1	1.18	2.00	mg/kg	11/20/25	PB170649
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.2			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.9			40 - 140	72%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3678-01	Acq On:	20 Nov 2025 16:34
Client Sample ID:	COMPOSITE-STONE	Operator:	YP\AJ
Data file:	FE056963.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	3.212	6.835	322185	1.882	300	ug/ml
Aliphatic C12-C16	6.836	10.280	517313	2.894	200	ug/ml
Aliphatic C16-C21	10.281	13.654	601718	3.226	300	ug/ml
Aliphatic C21-C28	13.655	17.324	1251250	6.491	400	ug/ml
Aliphatic C28-C40	17.325	22.258	19426025	121.935	600	ug/ml
Aliphatic EPH	3.212	22.258	22118491	136.429		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	7500022	35.9		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	4871910	30.24		ug/ml
Aliphatic C9-C28	3.212	17.324	2692466	14.493	1200	ug/ml