

Report of Analysis

Client:	PSEG	Date Collected:	11/10/25
Project:	PSEG Orange Gas	Date Received:	11/10/25
Client Sample ID:	EO-CONCRETE	SDG No.:	Q3598
Lab Sample ID:	Q3598-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.9
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/12/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1	1.28	2.17	mg/kg	FE056793.D	11/13/25 0:25	PB170503
Aliphatic C9-C28	Aliphatic C9-C28	2.50	J	1	0.99	4.35	mg/kg	FE056793.D	11/13/25 0:25	PB170503
Total AliphaticEPH	Total AliphaticEPH	17.9			2.27	6.52	mg/kg			
Total EPH	Total EPH	17.9			2.27	6.52	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.50	J	1	0.99	4.35	mg/kg	11/13/25	PB170503
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1	1.28	2.17	mg/kg	11/13/25	PB170503
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.8			40 - 140	48%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.1			40 - 140	56%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3598-01	Acq On:	13 Nov 2025 00:25
Client Sample ID:	EO-CONCRETE	Operator:	YP\AJ
Data file:	FE056793.D	Misc:	
Instrument:	FID_E	ALS Vial:	38
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.840	368137	2.151	300	ug/ml
Aliphatic C12-C16	6.841	10.285	1111915	6.22	200	ug/ml
Aliphatic C16-C21	10.286	13.658	1836222	9.845	300	ug/ml
Aliphatic C21-C28	13.659	17.327	3148208	16.332	400	ug/ml
Aliphatic C28-C40	17.328	22.264	33778569	212.024	600	ug/ml
Aliphatic EPH	3.218	22.264	40243051	246.573		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	5871593	28.11		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	3841090	23.84		ug/ml
Aliphatic C9-C28	3.218	17.327	6464482	34.548	1200	ug/ml