

Report of Analysis

Client:	PSEG	Date Collected:	11/21/25
Project:	PSEG Orange Gas	Date Received:	11/21/25
Client Sample ID:	RBR200028-RT5376-COMP	SDG No.:	Q3710
Lab Sample ID:	Q3710-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	49.3		2	2.65	4.50	mg/kg	FE057023.D	11/25/25 12:54	PB170707
Aliphatic C9-C28	Aliphatic C9-C28	127		2	2.04	9.00	mg/kg	FE057023.D	11/25/25 12:54	PB170707
Total AliphaticEPH	Total AliphaticEPH	177			4.69	13.5	mg/kg			
Total EPH	Total EPH	177			4.69	13.5	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	114	E	1	1.02	4.49	mg/kg	11/24/25	PB170707
Aliphatic C28-C40	Aliphatic C28-C40	49.3	E	1	1.33	2.25	mg/kg	11/24/25	PB170707
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.6			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	23.9			40 - 140	48%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3710-01	Acq On:	24 Nov 2025 19:44
Client Sample ID:	RBR200028-RT5376-COM	Operator:	YP\AJ
Data file:	FE057008.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.204	6.829	7548435	44.101	300	ug/ml
Aliphatic C12-C16	6.830	10.275	69552647	389.096	200	ug/ml
Aliphatic C16-C21	10.276	13.649	115859314	621.211	300	ug/ml
Aliphatic C21-C28	13.650	17.319	90580554	469.899	400	ug/ml
Aliphatic C28-C40	17.320	22.252	104894375	658.41	600	ug/ml
Aliphatic EPH	3.204	22.252	388435325	2180		ug/ml
ortho-Terphenyl (SURR)	11.947	11.947	4995381	23.91		ug/ml
1-chlorooctadecane (SURR)	13.382	13.382	3968062	24.63		ug/ml
Aliphatic C9-C28	3.204	17.319	283540950	1520	1200	ug/ml