

Report of Analysis

Client:	PSEG	Date Collected:	12/12/25
Project:	Orange Gas and Appliance Service (EO)	Date Received:	12/12/25
Client Sample ID:	EO-03-121225	SDG No.:	Q3861
Lab Sample ID:	Q3861-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/15/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	57.7		10	12.7	21.6	mg/kg	FE057359.D	12/16/25 9:40	PB170942
Aliphatic C9-C28	Aliphatic C9-C28	30.8		1	0.98	4.32	mg/kg	FE057339.D	12/15/25 16:53	PB170942
Total AliphaticEPH	Total AliphaticEPH	88.5			13.7	25.9	mg/kg			
Total EPH	Total EPH	88.5			13.7	25.9	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	30.8		1	0.98	4.32	mg/kg	12/15/25	PB170942
Aliphatic C28-C40	Aliphatic C28-C40	54.3	E	1	1.27	2.16	mg/kg	12/15/25	PB170942
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.9			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.9			40 - 140	52%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3861-01	Acq On:	15 Dec 2025 16:53
Client Sample ID:	EO-03-121225	Operator:	YP\AJ
Data file:	FE057339.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	3.189	6.813	3180309	15.85	300	ug/ml
Aliphatic C12-C16	6.814	10.257	25337668	124.707	200	ug/ml
Aliphatic C16-C21	10.258	13.629	32204642	162.391	300	ug/ml
Aliphatic C21-C28	13.630	17.298	24834339	124.955	400	ug/ml
Aliphatic C28-C40	17.299	22.217	151115024	755.954	600	ug/ml
Aliphatic EPH	3.189	22.217	236671982	1180		ug/ml
ortho-Terphenyl (SURR)	11.928	11.928	5685879	25.91		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	4969982	29.86		ug/ml
Aliphatic C9-C28	3.189	17.298	85556958	427.903	1200	ug/ml