

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Orange Gas and Appliance Service (EO)	Date Received:	
Client Sample ID:	EO-01-11182025MS	SDG No.:	Q3669
Lab Sample ID:	Q3669-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :			
	Final Vol: 2000 uL		
	Prep Date : 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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### TARGETS

Total AliphaticEPH	Total AliphaticEPH	224			2.25	6.44	mg/kg			
Total EPH	Total EPH	224			2.25	6.44	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
<b>TARGETS</b>									
Aliphatic C9-C28	Aliphatic C9-C28	118	E	1	0.98	4.29	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	106	E	1	1.27	2.15	mg/kg	11/19/25	PB170632
<b>SURROGATES</b>									
3383-33-2	1-chlorooctadecane (SURR)	55.7			40 - 140	111%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.8			40 - 140	72%	SPK: 50		

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3669-01MS	Acq On:	19 Nov 2025 20:11
Client Sample ID:	Q3669-01MS	Operator:	YP\AJ
Data file:	FE056946.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	35037229	204.701	300	ug/ml
Aliphatic C12-C16	6.833	10.276	101230544	566.311	200	ug/ml
Aliphatic C16-C21	10.277	13.648	93808231	502.978	300	ug/ml
Aliphatic C21-C28	13.649	17.318	71532778	371.086	400	ug/ml
Aliphatic C28-C40	17.319	22.247	236893460	1490	600	ug/ml
Aliphatic EPH	3.209	22.247	538502242	3130		ug/ml
ortho-Terphenyl (SURR)	11.949	11.949	7470637	35.76		ug/ml
1-chlorooctadecane (SURR)	13.386	13.386	8980958	55.74		ug/ml
Aliphatic C9-C28	3.209	17.318	301608782	1650	1200	ug/ml