

Report of Analysis

Client:	PSEG	Date Collected:	11/18/25
Project:	Orange Gas and Appliance Service (EO)	Date Received:	11/18/25
Client Sample ID:	EO-01-11182025	SDG No.:	Q3669
Lab Sample ID:	Q3669-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
Sample Wt/Vol:	30.03 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
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	68.1		2	2.54	4.30	mg/kg	FE056956.D	11/20/25 9:58	PB170632
Aliphatic C9-C28	Aliphatic C9-C28	68.5		2	1.96	8.60	mg/kg	FE056956.D	11/20/25 9:58	PB170632
Total AliphaticEPH	Total AliphaticEPH	137			4.50	12.9	mg/kg			
Total EPH	Total EPH	137			4.50	12.9	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	66.8		1	0.98	4.31	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	63.8	E	1	1.27	2.15	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	58.3			40 - 140	117%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.6			40 - 140	77%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3669-01	Acq On:	19 Nov 2025 19:11
Client Sample ID:	EO-01-11182025	Operator:	YP\AJ
Data file:	FE056944.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	15926589	93.049	300	ug/ml
Aliphatic C12-C16	6.833	10.276	73771900	412.7	200	ug/ml
Aliphatic C16-C21	10.277	13.648	53745779	288.173	300	ug/ml
Aliphatic C21-C28	13.649	17.318	26367989	136.787	400	ug/ml
Aliphatic C28-C40	17.319	22.247	141877925	890.552	600	ug/ml
Aliphatic EPH	3.209	22.247	311690182	1820		ug/ml
ortho-Terphenyl (SURR)	11.946	11.946	8069489	38.63		ug/ml
1-chlorooctadecane (SURR)	13.382	13.382	9399316	58.34		ug/ml
Aliphatic C9-C28	3.209	17.318	169812257	930.709	1200	ug/ml