

Report of Analysis

Client:	PSEG	Date Collected:	10/23/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	10/23/25
Client Sample ID:	EO-01-102325	SDG No.:	Q3445
Lab Sample ID:	Q3445-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	42.7		1	1.28	2.18	mg/kg	FE056501.D	10/24/25 20:00	PB170247
Aliphatic C9-C28	Aliphatic C9-C28	34.7		1	0.99	4.36	mg/kg	FE056501.D	10/24/25 20:00	PB170247
Total AliphaticEPH	Total AliphaticEPH	77.4			2.27	6.54	mg/kg			
Total EPH	Total EPH	77.4			2.27	6.54	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	34.7	1		0.99	4.36	mg/kg	10/24/25	PB170247
Aliphatic C28-C40	Aliphatic C28-C40	42.7	1		1.28	2.18	mg/kg	10/24/25	PB170247
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	35.9			40 - 140	72%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.6			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3445-01	Acq On:	24 Oct 2025 20:00
Client Sample ID:	EO-01-102325	Operator:	YP\AJ
Data file:	FE056501.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.257	6.883	9760746	59.128	300	ug/ml
Aliphatic C12-C16	6.884	10.332	30025986	176.058	200	ug/ml
Aliphatic C16-C21	10.333	13.709	31355528	175.526	300	ug/ml
Aliphatic C21-C28	13.710	17.379	12197066	68.106	400	ug/ml
Aliphatic C28-C40	17.380	22.345	81609008	587.949	600	ug/ml
Aliphatic EPH	3.257	22.345	164948334	1070		ug/ml
ortho-Terphenyl (SURR)	11.995	11.995	4616542	22.6		ug/ml
1-chlorooctadecane (SURR)	13.434	13.434	5473019	35.87		ug/ml
Aliphatic C9-C28	3.257	17.379	83339326	478.818	1200	ug/ml