

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-E2	SDG No.:	Q3445
Lab Sample ID:	Q3445-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.01 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	58.3		2	2.61	4.42	mg/kg	FE056508.D	10/27/25 9:52	PB170247
Aliphatic C9-C28	Aliphatic C9-C28	59.7		1	1.01	4.41	mg/kg	FE056502.D	10/24/25 20:31	PB170247
Total AliphaticEPH	Total AliphaticEPH	118			3.62	8.83	mg/kg			
Total EPH	Total EPH	118			3.62	8.83	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	59.7	1		1.01	4.41	mg/kg	10/24/25	PB170247
Aliphatic C28-C40	Aliphatic C28-C40	62.1	E 1		1.30	2.21	mg/kg	10/24/25	PB170247
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	44.9			40 - 140	90%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.0			40 - 140	44%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3445-02	Acq On:	24 Oct 2025 20:31
Client Sample ID:	EO-01-102325-E2	Operator:	YP\AJ
Data file:	FE056502.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.257	6.883	7545643	45.71	300	ug/ml
Aliphatic C12-C16	6.884	10.332	31127050	182.515	200	ug/ml
Aliphatic C16-C21	10.333	13.709	69643359	389.858	300	ug/ml
Aliphatic C21-C28	13.710	17.379	34539168	192.86	400	ug/ml
Aliphatic C28-C40	17.380	22.345	117133961	843.888	600	ug/ml
Aliphatic EPH	3.257	22.345	259989181	1650		ug/ml
ortho-Terphenyl (SURR)	11.998	11.998	4492040	21.99		ug/ml
1-chlorooctadecane (SURR)	13.439	13.439	6847688	44.88		ug/ml
Aliphatic C9-C28	3.257	17.379	142855220	810.943	1200	ug/ml