

Report of Analysis

Client:	PSEG	Date Collected:	10/15/25
Project:	Orange Gas and Appliance Service MA00006789	Date Received:	10/15/25
Client Sample ID:	EO-03-101525-E2	SDG No.:	Q3355
Lab Sample ID:	Q3355-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/16/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	66.5		5	6.31	10.7	mg/kg	FG016791.D	10/16/25 17:55	PB170121
Aliphatic C9-C28	Aliphatic C9-C28	167		5	4.86	21.4	mg/kg	FG016791.D	10/16/25 17:55	PB170121
Total AliphaticEPH	Total AliphaticEPH	233			11.2	32.1	mg/kg			
Total EPH	Total EPH	233			11.2	32.1	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	143	E	1	0.97	4.28	mg/kg	10/16/25	PB170121
Aliphatic C28-C40	Aliphatic C28-C40	63.1	E	1	1.26	2.14	mg/kg	10/16/25	PB170121
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	90.7			40 - 140	181%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.7			40 - 140	53%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3355-02	Acq On:	16 Oct 2025 16:56
Client Sample ID:	EO-03-101525-E2	Operator:	YP\AJ
Data file:	FG016789.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.273	6.915	29988372	237.691	300	ug/ml
Aliphatic C12-C16	6.916	10.373	108117443	833.117	200	ug/ml
Aliphatic C16-C21	10.374	13.764	96985300	691.536	300	ug/ml
Aliphatic C21-C28	13.765	17.450	35014996	238.848	400	ug/ml
Aliphatic C28-C40	17.451	22.484	102271619	885.838	600	ug/ml
Aliphatic EPH	3.273	22.484	372377730	2890		ug/ml
ortho-Terphenyl (SURR)	12.053	12.053	4165241	26.67		ug/ml
1-chlorooctadecane (SURR)	13.492	13.492	11085663	90.65		ug/ml
Aliphatic C9-C28	3.273	17.450	270106111	2000	1200	ug/ml