

Report of Analysis

Client:	PSEG	Date Collected:	11/26/25
Project:	Orange Gas and Appliance Service (EO)	Date Received:	11/25/25
Client Sample ID:	EO-2-112525	SDG No.:	Q3721
Lab Sample ID:	Q3721-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/26/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	294		10	12.9	21.8	mg/kg	FE057061.D	11/26/25 22:40	PB170736
Aliphatic C9-C28	Aliphatic C9-C28	351		10	9.93	43.6	mg/kg	FE057061.D	11/26/25 22:40	PB170736
Total AliphaticEPH	Total AliphaticEPH	645			22.8	65.4	mg/kg			
Total EPH	Total EPH	645			22.8	65.4	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	351	10	9.93		43.6	mg/kg	11/26/25	PB170736
Aliphatic C28-C40	Aliphatic C28-C40	294	10	12.9		21.8	mg/kg	11/26/25	PB170736
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	12.1		40 - 140		242%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	4.01		40 - 140		80%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3721-01	Acq On:	26 Nov 2025 22:40
Client Sample ID:	EO-2-112525	Operator:	YP\AJ
Data file:	FE057061.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.202	6.826	16742816	97.818	300	ug/ml
Aliphatic C12-C16	6.827	10.271	43473111	243.2	200	ug/ml
Aliphatic C16-C21	10.272	13.644	20218971	108.41	300	ug/ml
Aliphatic C21-C28	13.645	17.314	6700717	34.761	400	ug/ml
Aliphatic C28-C40	17.315	22.241	64502353	404.874	600	ug/ml
Aliphatic EPH	3.202	22.241	151637968	889.063		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	838412	4.01		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	1946628	12.08		ug/ml
Aliphatic C9-C28	3.202	17.314	87135615	484.189	1200	ug/ml