

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-E2	SDG No.:	Q3721
Lab Sample ID:	Q3721-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.09 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	397		10	12.8	21.7	mg/kg	FE057062.D	11/26/25 23:11	PB170736
Aliphatic C9-C28	Aliphatic C9-C28	544		10	9.86	43.2	mg/kg	FE057062.D	11/26/25 23:11	PB170736
Total AliphaticEPH	Total AliphaticEPH	941			22.7	64.9	mg/kg			
Total EPH	Total EPH	941			22.7	64.9	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	544	10		9.86	43.2	mg/kg	11/26/25	PB170736
Aliphatic C28-C40	Aliphatic C28-C40	397	10		12.8	21.7	mg/kg	11/26/25	PB170736
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.9			40 - 140	479%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	4.79			40 - 140	96%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3721-02	Acq On:	26 Nov 2025 23:11
Client Sample ID:	EO-2-112525-E2	Operator:	YP\AJ
Data file:	FE057062.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.202	6.826	15918795	93.004	300	ug/ml
Aliphatic C12-C16	6.827	10.271	59958481	335.424	200	ug/ml
Aliphatic C16-C21	10.272	13.644	41949862	224.926	300	ug/ml
Aliphatic C21-C28	13.645	17.314	19338881	100.323	400	ug/ml
Aliphatic C28-C40	17.315	22.241	87654957	550.2	600	ug/ml
Aliphatic EPH	3.202	22.241	224820976	1300		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	1001557	4.79		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	3859034	23.95		ug/ml
Aliphatic C9-C28	3.202	17.314	137166019	753.677	1200	ug/ml