

Report of Analysis

Client:	PSEG	Date Collected:	11/06/25
Project:	Orange Gas and Appliance Service (EO)	Date Received:	11/06/25
Client Sample ID:	EO-03-110625	SDG No.:	Q3562
Lab Sample ID:	Q3562-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/10/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	39.6		1	1.28	2.17	mg/kg	FE056709.D	11/10/25 13:07	PB170458
Aliphatic C9-C28	Aliphatic C9-C28	28.1		1	0.99	4.32	mg/kg	FE056709.D	11/10/25 13:07	PB170458
Total AliphaticEPH	Total AliphaticEPH	67.7			2.27	6.49	mg/kg			
Total EPH	Total EPH	67.7			2.27	6.49	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	28.1	1		0.99	4.32	mg/kg	11/10/25	PB170458
Aliphatic C28-C40	Aliphatic C28-C40	39.6	1		1.28	2.17	mg/kg	11/10/25	PB170458
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	32.1			40 - 140	64%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.6			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3562-01	Acq On:	10 Nov 2025 13:07
Client Sample ID:	EO-03-110625	Operator:	YP\AJ
Data file:	FE056709.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.846	2837002	16.575	300	ug/ml
Aliphatic C12-C16	6.847	10.294	22268919	124.578	200	ug/ml
Aliphatic C16-C21	10.295	13.670	27840024	149.272	300	ug/ml
Aliphatic C21-C28	13.671	17.342	18907141	98.083	400	ug/ml
Aliphatic C28-C40	17.343	22.288	87282144	547.86	600	ug/ml
Aliphatic EPH	3.221	22.288	159135230	936.369		ug/ml
ortho-Terphenyl (SURR)	11.970	11.970	5775683	27.65		ug/ml
1-chlorooctadecane (SURR)	13.408	13.408	5164997	32.06		ug/ml
Aliphatic C9-C28	3.221	17.342	71853086	388.508	1200	ug/ml