

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Orange Gas and Appliance Service (EO)	Date Received:	
Client Sample ID:	PB170632BSD	SDG No.:	Q3669
Lab Sample ID:	PB170632BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :			
	Final Vol: 2000 uL		
	Prep Date : 11/19/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Total AliphaticEPH	Total AliphaticEPH	93.1			2.09	5.99	mg/kg			
Total EPH	Total EPH	93.1			2.09	5.99	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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		Prep Date	11/19/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	68.7	1		0.91	3.99	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	24.4	1		1.18	2.00	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.6			40 - 140	59%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.7			40 - 140	67%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170632BSD	Acq On:	19 Nov 2025 15:09
Client Sample ID:	PB170632BSD	Operator:	YP\AJ
Data file:	FE056936.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	34487889	201.492	300	ug/ml
Aliphatic C12-C16	6.833	10.276	44535366	249.143	200	ug/ml
Aliphatic C16-C21	10.277	13.648	49205316	263.828	300	ug/ml
Aliphatic C21-C28	13.649	17.318	61155484	317.252	400	ug/ml
Aliphatic C28-C40	17.319	22.247	58352592	366.273	600	ug/ml
Aliphatic EPH	3.209	22.247	247736647	1400		ug/ml
ortho-Terphenyl (SURR)	11.946	11.946	7039398	33.7		ug/ml
1-chlorooctadecane (SURR)	13.382	13.382	4767113	29.59		ug/ml
Aliphatic C9-C28	3.209	17.318	189384055	1030	1200	ug/ml