

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB170145BS	SDG No.:	Q3366
Lab Sample ID:	PB170145BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.18	2.00	mg/kg	FE056363.D	10/17/25 14:40	PB170145
Aliphatic C9-C28	Aliphatic C9-C28	41.2		1	0.91	4.00	mg/kg	FE056363.D	10/17/25 14:40	PB170145
Total AliphaticEPH	Total AliphaticEPH	60.1			2.09	6.00	mg/kg			
Total EPH	Total EPH	60.1			2.09	6.00	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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Aliphatic C28-C40	Aliphatic C28-C40	18.9	1		1.18	2.00	mg/kg	10/17/25	PB170145
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.9			40 - 140	70%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	32.6			40 - 140	65%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170145BS	Acq On:	17 Oct 2025 14:40
Client Sample ID:	PB170145BS	Operator:	YP\AJ
Data file:	FE056363.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.925	29056961	176.02	300	ug/ml
Aliphatic C12-C16	6.926	10.376	23232675	136.226	200	ug/ml
Aliphatic C16-C21	10.377	13.754	23880510	133.681	300	ug/ml
Aliphatic C21-C28	13.755	17.425	30852084	172.272	400	ug/ml
Aliphatic C28-C40	17.426	22.424	39336373	283.398	600	ug/ml
Aliphatic EPH	3.299	22.424	146358603	901.596		ug/ml
ortho-Terphenyl (SURR)	12.053	12.053	6655077	32.58		ug/ml
1-chlorooctadecane (SURR)	13.490	13.490	5320810	34.87		ug/ml
Aliphatic C9-C28	3.299	17.425	107022230	618.199	1200	ug/ml