

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	New Brunswick Gas and Appliance Service (NB)	Date Received:	
Client Sample ID:	PB170599BS	SDG No.:	Q3658
Lab Sample ID:	PB170599BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/18/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	25.9		1	1.18	2.00	mg/kg	FE056910.D	11/18/25 19:06	PB170599
Aliphatic C9-C28	Aliphatic C9-C28	71.6		1	0.91	3.99	mg/kg	FE056910.D	11/18/25 19:06	PB170599
Total AliphaticEPH	Total AliphaticEPH	97.5			2.09	5.99	mg/kg			
Total EPH	Total EPH	97.5			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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	71.6	1		0.91	3.99	mg/kg	11/18/25	PB170599
Aliphatic C28-C40	Aliphatic C28-C40	25.9	1		1.18	2.00	mg/kg	11/18/25	PB170599
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	32.6			40 - 140	65%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.5			40 - 140	75%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170599BS	Acq On:	18 Nov 2025 19:06
Client Sample ID:	PB170599BS	Operator:	YP\AJ
Data file:	FE056910.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.834	33928180	198.222	300	ug/ml
Aliphatic C12-C16	6.835	10.279	46534364	260.326	200	ug/ml
Aliphatic C16-C21	10.280	13.652	52493646	281.459	300	ug/ml
Aliphatic C21-C28	13.653	17.321	64944587	336.909	400	ug/ml
Aliphatic C28-C40	17.322	22.255	62015450	389.264	600	ug/ml
Aliphatic EPH	3.211	22.255	259916227	1470		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	7824834	37.46		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	5260846	32.65		ug/ml
Aliphatic C9-C28	3.211	17.321	197900777	1080	1200	ug/ml