

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	New Brunswick Gas and Appliance Service (NB)	Date Received:	
Client Sample ID:	PB170599BSD	SDG No.:	Q3658
Lab Sample ID:	PB170599BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 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	25.4		1	1.18	2.00	mg/kg	FE056911.D	11/18/25 19:37	PB170599
Aliphatic C9-C28	Aliphatic C9-C28	70.2		1	0.91	4.00	mg/kg	FE056911.D	11/18/25 19:37	PB170599
Total AliphaticEPH	Total AliphaticEPH	95.6			2.09	6.00	mg/kg			
Total EPH	Total EPH	95.6			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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	70.2	1		0.91	4.00	mg/kg	11/18/25	PB170599
Aliphatic C28-C40	Aliphatic C28-C40	25.4	1		1.18	2.00	mg/kg	11/18/25	PB170599
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.9			40 - 140	64%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.6			40 - 140	73%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170599BSD	Acq On:	18 Nov 2025 19:37
Client Sample ID:	PB170599BSD	Operator:	YP\AJ
Data file:	FE056911.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.834	33266347	194.355	300	ug/ml
Aliphatic C12-C16	6.835	10.279	45597457	255.085	200	ug/ml
Aliphatic C16-C21	10.280	13.652	51269189	274.894	300	ug/ml
Aliphatic C21-C28	13.653	17.321	63442242	329.115	400	ug/ml
Aliphatic C28-C40	17.322	22.255	60834539	381.852	600	ug/ml
Aliphatic EPH	3.211	22.255	254409774	1440		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	7657580	36.65		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	5139883	31.9		ug/ml
Aliphatic C9-C28	3.211	17.321	193575235	1050	1200	ug/ml