

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	New Brunswick Gas and Appliance Service (NB)	Date Received:	
Client Sample ID:	PB170503BS	SDG No.:	Q3587
Lab Sample ID:	PB170503BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/12/25

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

Total AliphaticEPH	Total AliphaticEPH	100			2.09	5.99	mg/kg			
Total EPH	Total EPH	100			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	78.8	1		0.91	3.99	mg/kg	11/12/25	PB170503
Aliphatic C28-C40	Aliphatic C28-C40	21.4	1		1.18	2.00	mg/kg	11/12/25	PB170503
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.4			40 - 140	69%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.1			40 - 140	78%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170503BS	Acq On:	12 Nov 2025 22:20
Client Sample ID:	PB170503BS	Operator:	YP\AJ
Data file:	FG016893.D	Misc:	
Instrument:	FID_G	ALS Vial:	43
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.261	6.902	23933701	196.173	300	ug/ml
Aliphatic C12-C16	6.903	10.360	35553056	289.399	200	ug/ml
Aliphatic C16-C21	10.361	13.749	43160191	325.993	300	ug/ml
Aliphatic C21-C28	13.750	17.437	51505957	370.454	400	ug/ml
Aliphatic C28-C40	17.438	22.463	36607972	321.702	600	ug/ml
Aliphatic EPH	3.261	22.463	190760877	1500		ug/ml
ortho-Terphenyl (SURR)	12.043	12.043	6177481	39.12		ug/ml
1-chlorooctadecane (SURR)	13.487	13.487	4137253	34.35		ug/ml
Aliphatic C9-C28	3.261	17.437	154152905	1180	1200	ug/ml