

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	New Brunswick Gas and Appliance Service (NB)	Date Received:	11/07/25
Client Sample ID:	NB-08-110725-E2	SDG No.:	Q3587
Lab Sample ID:	Q3587-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.05 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
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	12.0		1	1.34	2.27	mg/kg	FE056780.D	11/12/25 17:52	PB170503
Aliphatic C9-C28	Aliphatic C9-C28	16.4		1	1.03	4.53	mg/kg	FE056780.D	11/12/25 17:52	PB170503
Total AliphaticEPH	Total AliphaticEPH	28.4			2.37	6.80	mg/kg			
Total EPH	Total EPH	28.4			2.37	6.80	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	16.4	1		1.03	4.53	mg/kg	11/12/25	PB170503
Aliphatic C28-C40	Aliphatic C28-C40	12.0	1		1.34	2.27	mg/kg	11/12/25	PB170503
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.3			40 - 140	55%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.4			40 - 140	67%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3587-02	Acq On:	12 Nov 2025 17:52
Client Sample ID:	NB-08-110725-E2	Operator:	YP\AJ
Data file:	FE056780.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.840	1559505	9.111	300	ug/ml
Aliphatic C12-C16	6.841	10.285	16073205	89.918	200	ug/ml
Aliphatic C16-C21	10.286	13.658	17546253	94.079	300	ug/ml
Aliphatic C21-C28	13.659	17.327	4538820	23.546	400	ug/ml
Aliphatic C28-C40	17.328	22.264	25385223	159.34	600	ug/ml
Aliphatic EPH	3.218	22.264	65103006	375.994		ug/ml
ortho-Terphenyl (SURR)	11.955	11.955	6985309	33.44		ug/ml
1-chlorooctadecane (SURR)	13.393	13.393	4398977	27.3		ug/ml
Aliphatic C9-C28	3.218	17.327	39717783	216.654	1200	ug/ml