

Report of Analysis

Client:	PSEG	Date Collected:	11/17/25
Project:	New Brunswick Gas and Appliance Service (NB)	Date Received:	11/17/25
Client Sample ID:	NB-07-111725-E2	SDG No.:	Q3658
Lab Sample ID:	Q3658-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.08 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	20.0		1	1.27	2.16	mg/kg	FE056920.D	11/19/25 0:08	PB170599
Aliphatic C9-C28	Aliphatic C9-C28	1.45	J	1	0.98	4.32	mg/kg	FE056920.D	11/19/25 0:08	PB170599
Total AliphaticEPH	Total AliphaticEPH	21.4			2.25	6.48	mg/kg			
Total EPH	Total EPH	21.4			2.25	6.48	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	1.45	J	1	0.98	4.32	mg/kg	11/19/25	PB170599
Aliphatic C28-C40	Aliphatic C28-C40	20.0		1	1.27	2.16	mg/kg	11/19/25	PB170599
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.7			40 - 140	61%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.7			40 - 140	73%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3658-02	Acq On:	19 Nov 2025 00:08
Client Sample ID:	NB-07-111725-E2	Operator:	YP\AJ
Data file:	FE056920.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.834	402706	2.353	300	ug/ml
Aliphatic C12-C16	6.835	10.279	738368	4.131	200	ug/ml
Aliphatic C16-C21	10.280	13.652	1031549	5.531	300	ug/ml
Aliphatic C21-C28	13.653	17.321	1570014	8.145	400	ug/ml
Aliphatic C28-C40	17.322	22.255	44207086	277.483	600	ug/ml
Aliphatic EPH	3.211	22.255	47949723	297.642		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	7664896	36.69		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	4941915	30.67		ug/ml
Aliphatic C9-C28	3.211	17.321	3742637	20.16	1200	ug/ml