

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	SDG No.:	Q3658
Lab Sample ID:	Q3658-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.05 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	1.30	2.20	mg/kg	FE056916.D	11/18/25 22:08	PB170599
Aliphatic C9-C28	Aliphatic C9-C28	2.55	J	1	1.00	4.39	mg/kg	FE056916.D	11/18/25 22:08	PB170599
Total AliphaticEPH	Total AliphaticEPH	27.9			2.30	6.59	mg/kg			
Total EPH	Total EPH	27.9			2.30	6.59	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	2.55	J	1	1.00	4.39	mg/kg	11/18/25	PB170599
Aliphatic C28-C40	Aliphatic C28-C40	25.4		1	1.30	2.20	mg/kg	11/18/25	PB170599
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.1			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.7			40 - 140	63%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3658-01	Acq On:	18 Nov 2025 22:08
Client Sample ID:	NB-07-111725	Operator:	YP\AJ
Data file:	FE056916.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.834	934627	5.46	300	ug/ml
Aliphatic C12-C16	6.835	10.279	1106283	6.189	200	ug/ml
Aliphatic C16-C21	10.280	13.652	1462282	7.84	300	ug/ml
Aliphatic C21-C28	13.653	17.321	2935516	15.228	400	ug/ml
Aliphatic C28-C40	17.322	22.255	55220665	346.614	600	ug/ml
Aliphatic EPH	3.211	22.255	61659373	381.332		ug/ml
ortho-Terphenyl (SURR)	11.947	11.947	6614709	31.66		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	4357887	27.05		ug/ml
Aliphatic C9-C28	3.211	17.321	6438708	34.717	1200	ug/ml