

Report of Analysis

Client:	PSEG	Date Collected:	10/28/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	10/28/25
Client Sample ID:	NB-07-102825-E2	SDG No.:	Q3476
Lab Sample ID:	Q3476-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/29/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	11.9		1	1.28	2.18	mg/kg	FC070074.D	10/29/25 14:07	PB170307
Aliphatic C9-C28	Aliphatic C9-C28	25.1		1	0.99	4.36	mg/kg	FC070074.D	10/29/25 14:07	PB170307
Total AliphaticEPH	Total AliphaticEPH	37.0			2.27	6.54	mg/kg			
Total EPH	Total EPH	37.0			2.27	6.54	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	25.1	1		0.99	4.36	mg/kg	10/29/25	PB170307
Aliphatic C28-C40	Aliphatic C28-C40	11.9	1		1.28	2.18	mg/kg	10/29/25	PB170307
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	43.0			40 - 140	86%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	43.0			40 - 140	86%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3476-02	Acq On:	29 Oct 2025 14:07
Client Sample ID:	NB-07-102825-E2	Operator:	YP/AJ
Data file:	FC070074.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.281	6.573	2162827	14.938	300	ug/ml
Aliphatic C12-C16	6.574	9.973	24463625	149.367	200	ug/ml
Aliphatic C16-C21	9.974	13.341	24438398	150.905	300	ug/ml
Aliphatic C21-C28	13.342	17.005	4540229	30.856	400	ug/ml
Aliphatic C28-C40	17.006	21.961	17704281	164.538	600	ug/ml
Aliphatic EPH	3.281	21.961	73309360	510.604		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	7555143	43.02		ug/ml
1-chlorooctadecane (SURR)	13.078	13.078	5843123	43.05		ug/ml
Aliphatic C9-C28	3.281	17.005	55605079	346.066	1200	ug/ml