

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	New Brunswick Gas and Appliance Service (NB)	Date Received:	
Client Sample ID:	NB-07-111725MSD	SDG No.:	Q3658
Lab Sample ID:	Q3658-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.01 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
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TARGETS

Total AliphaticEPH	Total AliphaticEPH	129			2.30	6.60	mg/kg			
Total EPH	Total EPH	129			2.30	6.60	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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Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	11/18/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	89.9	E	1	1.00	4.40	mg/kg	11/18/25	PB170599
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1	1.30	2.20	mg/kg	11/18/25	PB170599
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.9			40 - 140	48%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.2			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3658-01MSD	Acq On:	18 Nov 2025 23:38
Client Sample ID:	Q3658-01MSD	Operator:	YP\AJ
Data file:	FE056919.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.834	25641808	149.81	300	ug/ml
Aliphatic C12-C16	6.835	10.279	42587548	238.246	200	ug/ml
Aliphatic C16-C21	10.280	13.652	84086465	450.852	300	ug/ml
Aliphatic C21-C28	13.653	17.321	74376001	385.835	400	ug/ml
Aliphatic C28-C40	17.322	22.255	85006240	533.575	600	ug/ml
Aliphatic EPH	3.211	22.255	311698062	1760		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	5677094	27.17		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	3852295	23.91		ug/ml
Aliphatic C9-C28	3.211	17.321	226691822	1220	1200	ug/ml