

Report of Analysis

Client:	PSEG	Date Collected:	08/04/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	08/04/25
Client Sample ID:	NB-07-08042025-E2	SDG No.:	Q2760
Lab Sample ID:	Q2760-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/05/25 09:20	08/05/25 18:25	PB169120

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	43.9		1	1.31	2.22	mg/kg	FE055137.D
Aliphatic C9-C28	Aliphatic C9-C28	12.0		1	1.01	4.44	mg/kg	FE055137.D
Total AliphaticEPH	Total AliphaticEPH	55.9			2.32	6.66	mg/kg	
Total EPH	Total EPH	55.9			2.32	6.66	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055137.D	1	08/05/25	08/05/25	PB169120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.0		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	43.9		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.3		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.5		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2760-02	Acq On:	05 Aug 2025 18:25
Client Sample ID:	NB-07-08042025-E2	Operator:	YP\AJ
Data file:	FE055137.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	1079238	9.241	300	ug/ml
Aliphatic C12-C16	6.959	10.410	6149419	49.106	200	ug/ml
Aliphatic C16-C21	10.411	13.789	8376451	66.267	300	ug/ml
Aliphatic C21-C28	13.790	17.459	4472320	37.113	400	ug/ml
Aliphatic C28-C40	17.460	22.481	67576079	592.839	600	ug/ml
Aliphatic EPH	3.325	22.481	87653507	754.567		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	5504651	38.55		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	4333928	40.31		ug/ml
Aliphatic C9-C28	3.325	17.459	20077428	161.727	1200	ug/ml