

Report of Analysis

Client:	PSEG	Date Collected:	03/19/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	03/19/25
Client Sample ID:	NB-070-031925-E2	SDG No.:	Q1603
Lab Sample ID:	Q1603-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/20/25 08:55	03/20/25 15:09	PB167227

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.9		1	1.25	2.11	mg/kg	FE052887.D
Aliphatic C9-C28	Aliphatic C9-C28	65.5		1	0.96	4.23	mg/kg	FE052887.D
Total AliphaticEPH	Total AliphaticEPH	77.4			2.21	6.34	mg/kg	
Total EPH	Total EPH	77.4			2.21	6.34	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052887.D	1	03/20/25	03/20/25	PB167227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	65.5		0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.9		1.25	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.5		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.5		40 - 140	93%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1603-02	Acq On:	20 Mar 2025 15:09
Client Sample ID:	NB-070-031925-E2	Operator:	YP\AJ
Data file:	FE052887.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.145	6.789	11314331	72.552	300	ug/ml
Aliphatic C12-C16	6.790	10.242	61400608	403.69	200	ug/ml
Aliphatic C16-C21	10.243	13.619	56772646	387.399	300	ug/ml
Aliphatic C21-C28	13.620	17.291	9564949	67.145	400	ug/ml
Aliphatic C28-C40	17.292	22.204	21566884	169.034	600	ug/ml
Aliphatic EPH	3.145	22.204	160619418	1100		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	7843501	46.53		ug/ml
1-chlorooctadecane (SURR)	13.353	13.353	5642897	46.47		ug/ml
Aliphatic C9-C28	3.145	17.291	139052534	930.786	1200	ug/ml