

Report of Analysis

Client:	PSEG	Date Collected:	02/04/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	02/04/25
Client Sample ID:	NB-07-020425-E2	SDG No.:	Q1286
Lab Sample ID:	Q1286-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/05/25 10:10	02/06/25 9:59	PB166565

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	126		5	9.80	10.9	mg/kg FE052257.D
Aliphatic C9-C28	Aliphatic C9-C28	36.7		1	1.87	4.36	mg/kg FE052245.D
Total AliphaticEPH	Total AliphaticEPH	163			11.7	15.3	mg/kg
Total EPH	Total EPH	163			11.7	15.3	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
FE052245.D	1	02/05/25	02/05/25	PB166565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	36.7		1.87	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	113	E	1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.7		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.0		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1286-03	Acq On:	05 Feb 2025 18:24
Client Sample ID:	NB-07-020425-E2	Operator:	YP\AJ
Data file:	FE052245.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.648	22.673	198060881	2070		ug/ml
ortho-Terphenyl (SURR)	12.315	12.315	3223422	26.04		ug/ml
1-chlorooctadecane (SURR)	13.723	13.723	2639454	26.74		ug/ml
Aliphatic C9-C12	3.648	7.209	5257424	54.66	300	ug/ml
Aliphatic C12-C16	7.210	10.614	22333121	213.277	200	ug/ml
Aliphatic C16-C21	10.615	13.961	20518488	181.544	300	ug/ml
Aliphatic C21-C28	13.962	17.604	6272732	55.025	400	ug/ml
Aliphatic C28-C40	17.605	22.673	143679116	1570	600	ug/ml
Aliphatic C9-C28	3.648	17.604	54381765	504.506	1200	ug/ml