

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	SDG No.:	Q1286
Lab Sample ID:	Q1286-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.04 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 9:29	PB166565

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	70.3		5	9.63	10.7	mg/kg FE052256.D
Aliphatic C9-C28	Aliphatic C9-C28	182		5	9.20	21.4	mg/kg FE052256.D
Total AliphaticEPH	Total AliphaticEPH	253			18.8	32.1	mg/kg
Total EPH	Total EPH	253			18.8	32.1	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

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	SDG No.:	Q1286
Lab Sample ID:	Q1286-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052244.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	179	E	1.84	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	72.4	E	1.93	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.7		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.3		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1286-01	Acq On:	05 Feb 2025 17:54
Client Sample ID:	NB-07-020425	Operator:	YP\AJ
Data file:	FE052244.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.648	22.673	362094380	3520		ug/ml
ortho-Terphenyl (SURR)	12.311	12.311	3629103	29.32		ug/ml
1-chlorooctadecane (SURR)	13.720	13.720	2932772	29.72		ug/ml
Aliphatic C9-C12	3.648	7.209	26647172	277.043	300	ug/ml
Aliphatic C12-C16	7.210	10.614	124483065	1190	200	ug/ml
Aliphatic C16-C21	10.615	13.961	102882278	910.283	300	ug/ml
Aliphatic C21-C28	13.962	17.604	15159517	132.98	400	ug/ml
Aliphatic C28-C40	17.605	22.673	92922348	1010	600	ug/ml
Aliphatic C9-C28	3.648	17.604	269172032	2510	1200	ug/ml