

Report of Analysis

Client:	PSEG	Date Collected:	02/11/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	02/11/25
Client Sample ID:	NB-08-021125	SDG No.:	Q1354
Lab Sample ID:	Q1354-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
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
02/12/25 09:10	02/12/25 16:38	PB166699

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	16.1		1	2.02	2.24	mg/kg FE052371.D
Aliphatic C9-C28	Aliphatic C9-C28	8.36		1	1.93	4.48	mg/kg FE052371.D
Total AliphaticEPH	Total AliphaticEPH	24.5			3.95	6.72	mg/kg
Total EPH	Total EPH	24.5			3.95	6.72	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:	02/11/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	02/11/25
Client Sample ID:	NB-08-021125	SDG No.:	Q1354
Lab Sample ID:	Q1354-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.08 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
FE052371.D	1	02/12/25	02/12/25	PB166699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.36		1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.1		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.3		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.5		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1354-01	Acq On:	12 Feb 2025 16:38
Client Sample ID:	NB-08-021125	Operator:	YP\AJ
Data file:	FE052371.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.692	7.248	5423825	56.39	300	ug/ml
Aliphatic C12-C16	7.249	10.651	2837017	27.093	200	ug/ml
Aliphatic C16-C21	10.652	13.997	1610430	14.249	300	ug/ml
Aliphatic C21-C28	13.998	17.639	1633832	14.332	400	ug/ml
Aliphatic C28-C40	17.640	22.734	19670385	214.851	600	ug/ml
Aliphatic EPH	3.692	22.734	31175489	326.915		ug/ml
ortho-Terphenyl (SURR)	12.326	12.326	2781615	22.47		ug/ml
1-chlorooctadecane (SURR)	13.736	13.736	2294561	23.25		ug/ml
Aliphatic C9-C28	3.692	17.639	11505104	112.064	1200	ug/ml