

Report of Analysis

Client:	PSEG	Date Collected:	12/10/24
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	12/10/24
Client Sample ID:	NB-08-121024	SDG No.:	P5244
Lab Sample ID:	P5244-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/11/24 08:51	12/11/24 17:18	PB165545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.7		1	2.02	2.25	mg/kg	FE051628.D
Aliphatic C9-C28	Aliphatic C9-C28	241		5	9.67	22.5	mg/kg	FE051630.D
Total AliphaticEPH	Total AliphaticEPH	261			11.7	24.7	mg/kg	
Total EPH	Total EPH	261			11.7	24.7	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:	12/10/24
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	12/10/24
Client Sample ID:	NB-08-121024	SDG No.:	P5244
Lab Sample ID:	P5244-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.03 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
FE051628.D	1	12/11/24	12/11/24	PB165545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	225	E	1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.7		2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5244-01	Acq On:	11 Dec 2024 17:18
Client Sample ID:	NB-08-121024	Operator:	YP\AJ
Data file:	FE051628.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.115	6.731	46694256	330.15	300	ug/ml
Aliphatic C12-C16	6.732	10.164	190110690	1350	200	ug/ml
Aliphatic C16-C21	10.165	13.524	155347676	1120	300	ug/ml
Aliphatic C21-C28	13.525	17.179	26584704	203.244	400	ug/ml
Aliphatic C28-C40	17.180	22.013	29579917	276.191	600	ug/ml
Aliphatic EPH	3.115	22.013	448317243	3280		ug/ml
ortho-Terphenyl (SURR)	11.828	11.828	6234225	41.25		ug/ml
1-chlorooctadecane (SURR)	13.261	13.261	4017001	35.95		ug/ml
Aliphatic C9-C28	3.115	17.179	418737326	3000	1200	ug/ml