

Report of Analysis

Client:	PSEG	Date Collected:	02/25/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	02/25/25
Client Sample ID:	NB-07-022525	SDG No.:	Q1428
Lab Sample ID:	Q1428-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/26/25 08:55	02/27/25 8:03	PB166871

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	45.4		2	3.84	4.26	mg/kg	FE052526.D
Aliphatic C9-C28	Aliphatic C9-C28	43.6		1	1.83	4.27	mg/kg	FE052519.D
Total AliphaticEPH	Total AliphaticEPH	89.0			5.67	8.53	mg/kg	
Total EPH	Total EPH	89.0			5.67	8.53	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
FE052519.D	1	02/26/25	02/26/25	PB166871

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	43.6		1.83	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	46.8	E	1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1428-01	Acq On:	26 Feb 2025 17:04
Client Sample ID:	NB-07-022525	Operator:	YP\AJ
Data file:	FE052519.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	3.154	6.799	5871169	37.673	300	ug/ml
Aliphatic C12-C16	6.800	10.253	31854999	198.503	200	ug/ml
Aliphatic C16-C21	10.254	13.633	36131641	225.094	300	ug/ml
Aliphatic C21-C28	13.634	17.305	23533496	151.434	400	ug/ml
Aliphatic C28-C40	17.306	22.225	86315131	658.971	600	ug/ml
Aliphatic EPH	3.154	22.225	183706436	1270		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	4881454	26.11		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	5181328	37.28		ug/ml
Aliphatic C9-C28	3.154	17.305	97391305	612.704	1200	ug/ml