

Report of Analysis

Client:	PSEG	Date Collected:	06/18/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	06/18/25
Client Sample ID:	NB-07-06182025-E2	SDG No.:	Q2358
Lab Sample ID:	Q2358-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/19/25 08:00	06/19/25 19:09	PB168552

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.28	2.18	mg/kg	FC069239.D
Aliphatic C9-C28	Aliphatic C9-C28	4.27	J	1	0.99	4.36	mg/kg	FC069239.D
Total AliphaticEPH	Total AliphaticEPH	24.8			2.27	6.54	mg/kg	
Total EPH	Total EPH	24.8			2.27	6.54	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069239.D	1	06/19/25	06/19/25	PB168552

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.27	J	0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1.28	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2358-02	Acq On:	19 Jun 2025 19:09
Client Sample ID:	NB-07-06182025-E2	Operator:	YP/AJ
Data file:	FC069239.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.306	6.606	3201159	21.824	300	ug/ml
Aliphatic C12-C16	6.607	10.012	1996436	12.54	200	ug/ml
Aliphatic C16-C21	10.013	13.383	1880248	12.175	300	ug/ml
Aliphatic C21-C28	13.384	17.051	1661447	12.402	400	ug/ml
Aliphatic C28-C40	17.052	22.043	26005914	282.291	600	ug/ml
Aliphatic EPH	3.306	22.043	34745204	341.232		ug/ml
ortho-Terphenyl (SURR)	11.684	11.684	5408217	31.31		ug/ml
1-chlorooctadecane (SURR)	13.120	13.120	4254478	32.57		ug/ml
Aliphatic C9-C28	3.306	17.051	8739290	58.941	1200	ug/ml