

Report of Analysis

Client:	PSEG	Date Collected:	09/15/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	09/15/25
Client Sample ID:	NB-07-09152025	SDG No.:	Q3106
Lab Sample ID:	Q3106-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/16/25 09:50	09/17/25 7:47	PB169702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	83.7		5	6.14	10.4	mg/kg FE055867.D
Aliphatic C9-C28	Aliphatic C9-C28	70.7		1	0.95	4.16	mg/kg FE055858.D
Total AliphaticEPH	Total AliphaticEPH	154			7.09	14.6	mg/kg
Total EPH	Total EPH	154			7.09	14.6	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055858.D	1	09/16/25	09/16/25	PB169702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	70.7		0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	81.2	E	1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.2		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3106-01	Acq On:	16 Sep 2025 19:56
Client Sample ID:	NB-07-09152025	Operator:	YP\AJ
Data file:	FE055858.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.310	6.941	6762158	52.663	300	ug/ml
Aliphatic C12-C16	6.942	10.393	57931455	428.819	200	ug/ml
Aliphatic C16-C21	10.394	13.770	58873460	408.228	300	ug/ml
Aliphatic C21-C28	13.771	17.442	18337702	128.025	400	ug/ml
Aliphatic C28-C40	17.443	22.546	161058680	1170	600	ug/ml
Aliphatic EPH	3.310	22.546	302963455	2190		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	6933674	42.21		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	5186793	41.48		ug/ml
Aliphatic C9-C28	3.310	17.442	141904775	1020	1200	ug/ml