

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-E2	SDG No.:	Q3106
Lab Sample ID:	Q3106-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
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
09/16/25 09:50	09/17/25 8:17	PB169702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	50.7		2	2.63	4.45	mg/kg	FE055868.D
Aliphatic C9-C28	Aliphatic C9-C28	48.4		1	1.01	4.44	mg/kg	FE055859.D
Total AliphaticEPH	Total AliphaticEPH	99.1			3.64	8.89	mg/kg	
Total EPH	Total EPH	99.1			3.64	8.89	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
FE055859.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	48.4		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	45.7	E	1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.2		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3106-02	Acq On:	16 Sep 2025 20:27
Client Sample ID:	NB-07-09152025-E2	Operator:	YP\AJ
Data file:	FE055859.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.310	6.941	5718628	44.536	300	ug/ml
Aliphatic C12-C16	6.942	10.393	40129844	297.049	200	ug/ml
Aliphatic C16-C21	10.394	13.770	35065081	243.141	300	ug/ml
Aliphatic C21-C28	13.771	17.442	9874030	68.936	400	ug/ml
Aliphatic C28-C40	17.443	22.546	84772191	615.542	600	ug/ml
Aliphatic EPH	3.310	22.546	175559774	1270		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	4668695	28.42		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	3529873	28.23		ug/ml
Aliphatic C9-C28	3.310	17.442	90787583	653.662	1200	ug/ml