

Report of Analysis

Client:	PSEG	Date Collected:	02/11/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	02/11/25
Client Sample ID:	NB-08-021125-E2	SDG No.:	Q1354
Lab Sample ID:	Q1354-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/12/25 09:10	02/12/25 17:08	PB166699

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	35.7		1	2.04	2.27	mg/kg FE052372.D
Aliphatic C9-C28	Aliphatic C9-C28	24.7		1	1.95	4.53	mg/kg FE052372.D
Total AliphaticEPH	Total AliphaticEPH	60.4			3.99	6.80	mg/kg
Total EPH	Total EPH	60.4			3.99	6.80	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
FE052372.D	1	02/12/25	02/12/25	PB166699

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	24.7		1.95	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.7		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	20.1		40 - 140	40%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.3		40 - 140	41%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1354-02	Acq On:	12 Feb 2025 17:08
Client Sample ID:	NB-08-021125-E2	Operator:	YP\AJ
Data file:	FE052372.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	3.692	7.248	4961223	51.58	300	ug/ml
Aliphatic C12-C16	7.249	10.651	14885875	142.157	200	ug/ml
Aliphatic C16-C21	10.652	13.997	11893257	105.229	300	ug/ml
Aliphatic C21-C28	13.998	17.639	3122793	27.393	400	ug/ml
Aliphatic C28-C40	17.640	22.734	43217333	472.044	600	ug/ml
Aliphatic EPH	3.692	22.734	78080481	798.404		ug/ml
ortho-Terphenyl (SURR)	12.333	12.333	2507176	20.26		ug/ml
1-chlorooctadecane (SURR)	13.743	13.743	1988484	20.15		ug/ml
Aliphatic C9-C28	3.692	17.639	34863148	326.359	1200	ug/ml