

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	04/01/25
Client Sample ID:	NB-08-04012025-E2	SDG No.:	Q1692
Lab Sample ID:	Q1692-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.4
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
04/01/25 14:00	04/02/25 2:58	PB167416

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	42.9		1	1.47	2.48	mg/kg	FE053115.D
Aliphatic C9-C28	Aliphatic C9-C28	4.32	J	1	1.13	4.97	mg/kg	FE053115.D
Total AliphaticEPH	Total AliphaticEPH	47.2			2.60	7.45	mg/kg	
Total EPH	Total EPH	47.2			2.60	7.45	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
FE053115.D	1	04/01/25	04/02/25	PB167416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.32	J	1.13	4.97	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.9		1.47	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.8		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1692-02	Acq On:	02 Apr 2025 02:58
Client Sample ID:	NB-08-04012025-E2	Operator:	YP\AJ
Data file:	FE053115.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1020388	6.54	300	ug/ml
Aliphatic C12-C16	6.783	10.232	1481084	9.641	200	ug/ml
Aliphatic C16-C21	10.233	13.609	1680133	11.64	300	ug/ml
Aliphatic C21-C28	13.610	17.278	3274686	24.375	400	ug/ml
Aliphatic C28-C40	17.279	22.189	64352880	517.903	600	ug/ml
Aliphatic EPH	3.141	22.189	71809171	570.098		ug/ml
ortho-Terphenyl (SURR)	11.892	11.892	4785028	29.38		ug/ml
1-chlorooctadecane (SURR)	13.336	13.336	3572816	29.76		ug/ml
Aliphatic C9-C28	3.141	17.278	7456291	52.196	1200	ug/ml