284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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	SDG No.:	Q2358
Lab Sample ID:	Q2358-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
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 16:10	PB168552

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.1		1	1.34	2.28	mg/kg	FC069235.D
Aliphatic C9-C28	Aliphatic C9-C28	52.3		1	1.04	4.56	mg/kg	FC069235.D
Total AliphaticEPH	Total AliphaticEPH	66.4			2.38	6.84	mg/kg	
Total EPH	Total EPH	66.4			2.38	6.84	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
FC069235.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	52.3		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.1		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.4		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2358-01	Acq On:	19 Jun 2025 16:10
Client Sample ID:	NB-07-06182025	Operator:	YP/AJ
Data file:	FC069235.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.306	6.606	5324196	36.298	300	ug/ml
Aliphatic C12-C16	6.607	10.012	26260356	164.941	200	ug/ml
Aliphatic C16-C21	10.013	13.383	58379336	378.02	300	ug/ml
Aliphatic C21-C28	13.384	17.051	14641484	109.292	400	ug/ml
Aliphatic C28-C40	17.052	22.043	17137046	186.021	600	ug/ml
Aliphatic EPH	3.306	22.043	121742418	874.573		ug/ml
ortho-Terphenyl (SURR)	11.684	11.684	6712864	38.86		ug/ml
1-chlorooctadecane (SURR)	13.119	13.119	5014945	38.39		ug/ml
Aliphatic C9-C28	3.306	17.051	104605372	688.551	1200	ug/ml