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

Report of Analysis

Client:	PSEG	Date Collected:	05/20/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	05/20/25
Client Sample ID:	NB-07-05202025	SDG No.:	Q2087
Lab Sample ID:	Q2087-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
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
05/21/25 09:30	05/22/25 9:40	PB168103

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	98.2		5	6.42	10.9	mg/kg	FE053968.D
Aliphatic C9-C28	Aliphatic C9-C28	12.5		1	0.99	4.36	mg/kg	FE053949.D
Total AliphaticEPH	Total AliphaticEPH	111			7.41	15.3	mg/kg	
Total EPH	Total EPH	111			7.41	15.3	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
FE053949.D	1	05/21/25	05/21/25	PB168103

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.5		0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	104	E	1.28	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.1		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.8		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2087-01	Acq On:	21 May 2025 16:50
Client Sample ID:	NB-07-05202025	Operator:	YP\AJ
Data file:	FE053949.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.735	604265	4.457	300	ug/ml
Aliphatic C12-C16	6.736	10.183	3265599	24.2	200	ug/ml
Aliphatic C16-C21	10.184	13.556	3240809	24.568	300	ug/ml
Aliphatic C21-C28	13.557	17.223	14851547	119.6	400	ug/ml
Aliphatic C28-C40	17.224	22.099	165643170	1430	600	ug/ml
Aliphatic EPH	3.094	22.099	187605390	1610		ug/ml
ortho-Terphenyl (SURR)	11.844	11.844	4359269	26.82		ug/ml
1-chlorooctadecane (SURR)	13.289	13.289	3447628	29.08		ug/ml
Aliphatic C9-C28	3.094	17.223	21962220	172.825	1200	ug/ml