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

Report of Analysis

Client:	PSEG	Date Collected:	04/22/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	04/22/25
Client Sample ID:	NB-08-04222025	SDG No.:	Q1854
Lab Sample ID:	Q1854-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/23/25 09:45	04/23/25 19:50	PB167712

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.8		1	1.30	2.20	mg/kg	FE053510.D
Aliphatic C9-C28	Aliphatic C9-C28	8.79		1	1.00	4.41	mg/kg	FE053510.D
Total AliphaticEPH	Total AliphaticEPH	30.6			2.30	6.61	mg/kg	
Total EPH	Total EPH	30.6			2.30	6.61	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
FE053510.D	1	04/23/25	04/23/25	PB167712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.79		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.8		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.8		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1854-01	Acq On:	23 Apr 2025 19:50
Client Sample ID:	NB-08-04222025	Operator:	YP\AJ
Data file:	FE053510.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.760	370566	2.674	300	ug/ml
Aliphatic C12-C16	6.761	10.209	1278242	9.014	200	ug/ml
Aliphatic C16-C21	10.210	13.585	5800426	39.903	300	ug/ml
Aliphatic C21-C28	13.586	17.252	9685598	68.125	400	ug/ml
Aliphatic C28-C40	17.253	22.138	38291705	296.722	600	ug/ml
Aliphatic EPH	3.120	22.138	55426537	416.438		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	5244130	29.08		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	4158287	30.76		ug/ml
Aliphatic C9-C28	3.120	17.252	17134832	119.716	1200	ug/ml