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

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	SDG No.:	Q1692
Lab Sample ID:	Q1692-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
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
04/01/25 08:00	04/02/25 13:18	PB167416

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	81.2		5	6.75	11.4	mg/kg	FE053130.D
Aliphatic C9-C28	Aliphatic C9-C28	7.79		1	1.04	4.57	mg/kg	FE053114.D
Total AliphaticEPH	Total AliphaticEPH	89.0			7.79	16.0	mg/kg	
Total EPH	Total EPH	89.0			7.79	16.0	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053114.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	7.79		1.04	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	70.7	E	1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.1		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1692-01	Acq On:	02 Apr 2025 02:29
Client Sample ID:	NB-08-04012025	Operator:	YP\AJ
Data file:	FE053114.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1132452	7.258	300	ug/ml
Aliphatic C12-C16	6.783	10.232	1997274	13	200	ug/ml
Aliphatic C16-C21	10.233	13.609	2850995	19.752	300	ug/ml
Aliphatic C21-C28	13.610	17.278	8330172	62.005	400	ug/ml
Aliphatic C28-C40	17.279	22.189	115138663	926.62	600	ug/ml
Aliphatic EPH	3.141	22.189	129449556	1030		ug/ml
ortho-Terphenyl (SURR)	11.893	11.893	6048254	37.13		ug/ml
1-chlorooctadecane (SURR)	13.337	13.337	4481371	37.33		ug/ml
Aliphatic C9-C28	3.141	17.278	14310893	102.015	1200	ug/ml