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

Report of Analysis

Client:	PSEG	Date Collected:	08/04/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	08/04/25
Client Sample ID:	NB-07-08042025	SDG No.:	Q2760
Lab Sample ID:	Q2760-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/05/25 09:20	08/05/25 17:55	PB169120

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1	1.24	2.10	mg/kg	FE055136.D
Aliphatic C9-C28	Aliphatic C9-C28	76.2		1	0.95	4.20	mg/kg	FE055136.D
Total AliphaticEPH	Total AliphaticEPH	103			2.19	6.30	mg/kg	
Total EPH	Total EPH	103			2.19	6.30	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
FE055136.D	1	08/05/25	08/05/25	PB169120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.2		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.0		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2760-01	Acq On:	05 Aug 2025 17:55
Client Sample ID:	NB-07-08042025	Operator:	YP\AJ
Data file:	FE055136.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	5016533	42.956	300	ug/ml
Aliphatic C12-C16	6.959	10.410	48695731	388.859	200	ug/ml
Aliphatic C16-C21	10.411	13.789	69668453	551.153	300	ug/ml
Aliphatic C21-C28	13.790	17.459	12885835	106.931	400	ug/ml
Aliphatic C28-C40	17.460	22.481	43695547	383.337	600	ug/ml
Aliphatic EPH	3.325	22.481	179962099	1470		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	5563060	38.96		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	4312544	40.11		ug/ml
Aliphatic C9-C28	3.325	17.459	136266552	1090	1200	ug/ml