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

Report of Analysis

Client:	PSEG	Date Collected:	09/15/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	09/15/25
Client Sample ID:	NB-08-09152025	SDG No.:	Q3106
Lab Sample ID:	Q3106-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/16/25 09:50	09/17/25 8:47	PB169702

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	71.5		2	2.65	4.49	mg/kg	FE055869.D
Aliphatic C9-C28	Aliphatic C9-C28	25.5		1	1.02	4.49	mg/kg	FE055860.D
Total AliphaticEPH	Total AliphaticEPH	97.0			3.67	8.98	mg/kg	
Total EPH	Total EPH	97.0			3.67	8.98	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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Lab Sample ID:	Q3106-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055860.D	1	09/16/25	09/16/25	PB169702

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		25.5		1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		70.2	E	1.33	2.25	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.6		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		27.9		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3106-03	Acq On:	16 Sep 2025 20:57
Client Sample ID:	NB-08-09152025	Operator:	YP\AJ
Data file:	FE055860.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.310	6.941	2783204	21.675	300	ug/ml
Aliphatic C12-C16	6.942	10.393	20896102	154.677	200	ug/ml
Aliphatic C16-C21	10.394	13.770	13345306	92.536	300	ug/ml
Aliphatic C21-C28	13.771	17.442	10313072	72.001	400	ug/ml
Aliphatic C28-C40	17.443	22.546	128971989	936.482	600	ug/ml
Aliphatic EPH	3.310	22.546	176309673	1280		ug/ml
ortho-Terphenyl (SURR)	12.069	12.069	4585710	27.91		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	3575814	28.6		ug/ml
Aliphatic C9-C28	3.310	17.442	47337684	340.889	1200	ug/ml