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

Report of Analysis

Client:	PSEG			Date Collected:	
Project:	Trenton Gas and Appliance Service MA00006789			Date Received:	
Client Sample ID:	TR-04-072225MS			SDG No.:	Q2674
Lab Sample ID:	Q2674-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	98.6
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
07/23/25 11:20	07/23/25 19:33	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	166			2.12	6.08	mg/kg
Total EPH	Total EPH	166			2.12	6.08	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
FC069514.D	1	07/23/25	07/23/25	PB168980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	98.4	E	0.92	4.04	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.2	E	1.20	2.03	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2674-01MS	Acq On:	23 Jul 2025 19:33
Client Sample ID:	Q2674-01MS	Operator:	YP/AJ
Data file:	FC069514.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	27218996	195.821	300	ug/ml
Aliphatic C12-C16	6.598	9.999	61264769	425.233	200	ug/ml
Aliphatic C16-C21	10.000	13.366	62673991	460.849	300	ug/ml
Aliphatic C21-C28	13.367	17.030	44714622	375.788	400	ug/ml
Aliphatic C28-C40	17.031	22.001	89373111	994.325	600	ug/ml
Aliphatic EPH	3.301	22.001	285245489	2450		ug/ml
ortho-Terphenyl (SURR)	11.673	11.673	4463370	30.08		ug/ml
1-chlorooctadecane (SURR)	13.107	13.107	3560933	31.51		ug/ml
Aliphatic C9-C28	3.301	17.030	195872378	1460	1200	ug/ml