

Report of Analysis

Client:	PSEG	Date Collected:	05/07/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	05/07/25
Client Sample ID:	TR-06-05072025	SDG No.:	Q1969
Lab Sample ID:	Q1969-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/08/25 09:45	05/08/25 15:30	PB167906

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.8		1	1.26	2.14	mg/kg	FE053711.D
Aliphatic C9-C28	Aliphatic C9-C28	3.63	J	1	0.97	4.28	mg/kg	FE053711.D
Total AliphaticEPH	Total AliphaticEPH	21.4			2.23	6.42	mg/kg	
Total EPH	Total EPH	21.4			2.23	6.42	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
FE053711.D	1	05/08/25	05/08/25	PB167906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.63	J	0.97	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.8		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1969-01	Acq On:	08 May 2025 15:30
Client Sample ID:	TR-06-05072025	Operator:	YP\AJ
Data file:	FE053711.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.109	6.750	310692	2.242	300	ug/ml
Aliphatic C12-C16	6.751	10.198	1612814	11.373	200	ug/ml
Aliphatic C16-C21	10.199	13.573	1820541	12.524	300	ug/ml
Aliphatic C21-C28	13.574	17.241	3530840	24.835	400	ug/ml
Aliphatic C28-C40	17.242	22.125	32302094	250.308	600	ug/ml
Aliphatic EPH	3.109	22.125	39576981	301.283		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	5109171	28.33		ug/ml
1-chlorooctadecane (SURR)	13.309	13.309	3967516	29.35		ug/ml
Aliphatic C9-C28	3.109	17.241	7274887	50.974	1200	ug/ml