

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-E2	SDG No.:	Q1969
Lab Sample ID:	Q1969-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.08 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 16:00	PB167906

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.2		1	1.27	2.16	mg/kg	FE053712.D
Aliphatic C9-C28	Aliphatic C9-C28	3.47	J	1	0.98	4.32	mg/kg	FE053712.D
Total AliphaticEPH	Total AliphaticEPH	22.7			2.25	6.48	mg/kg	
Total EPH	Total EPH	22.7			2.25	6.48	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
FE053712.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	3.47	J	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.2		1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	21.8		40 - 140	44%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.3		40 - 140	43%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1969-02	Acq On:	08 May 2025 16:00
Client Sample ID:	TR-06-05072025-E2	Operator:	YP\AJ
Data file:	FE053712.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.109	6.750	323550	2.335	300	ug/ml
Aliphatic C12-C16	6.751	10.198	834543	5.885	200	ug/ml
Aliphatic C16-C21	10.199	13.573	4496052	30.93	300	ug/ml
Aliphatic C21-C28	13.574	17.241	1295975	9.115	400	ug/ml
Aliphatic C28-C40	17.242	22.125	34519350	267.49	600	ug/ml
Aliphatic EPH	3.109	22.125	41469470	315.755		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	3842538	21.3		ug/ml
1-chlorooctadecane (SURR)	13.306	13.306	2950767	21.83		ug/ml
Aliphatic C9-C28	3.109	17.241	6950120	48.265	1200	ug/ml