

Report of Analysis

Client:	PSEG	Date Collected:	07/22/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	07/22/25
Client Sample ID:	TR-04-072225-E2	SDG No.:	Q2674
Lab Sample ID:	Q2674-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.5
Sample Wt/Vol:	30.01 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 20:57	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	30.6		1	1.22	2.07	mg/kg	FC069516.D
Aliphatic C9-C28	Aliphatic C9-C28	1.77	J	1	0.94	4.15	mg/kg	FC069516.D
Total AliphaticEPH	Total AliphaticEPH	32.4			2.16	6.22	mg/kg	
Total EPH	Total EPH	32.4			2.16	6.22	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069516.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	1.77	J	0.94	4.15	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.6		1.22	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.4		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2674-02	Acq On:	23 Jul 2025 20:57
Client Sample ID:	TR-04-072225-E2	Operator:	YP/AJ
Data file:	FC069516.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	322821	2.322	300	ug/ml
Aliphatic C12-C16	6.598	9.999	605283	4.201	200	ug/ml
Aliphatic C16-C21	10.000	13.366	905462	6.658	300	ug/ml
Aliphatic C21-C28	13.367	17.030	1489210	12.516	400	ug/ml
Aliphatic C28-C40	17.031	22.001	39791505	442.703	600	ug/ml
Aliphatic EPH	3.301	22.001	43114281	468.4		ug/ml
ortho-Terphenyl (SURR)	11.672	11.672	3952229	26.63		ug/ml
1-chlorooctadecane (SURR)	13.109	13.109	3100158	27.43		ug/ml
Aliphatic C9-C28	3.301	17.030	3322776	25.697	1200	ug/ml