

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	SDG No.:	Q2674
Lab Sample ID:	Q2674-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.6
Sample Wt/Vol:	30.09 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 18:06	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	38.6		1	1.19	2.02	mg/kg FC069512.D
Aliphatic C9-C28	Aliphatic C9-C28	38.5		1	0.92	4.04	mg/kg FC069512.D
Total AliphaticEPH	Total AliphaticEPH	77.1			2.11	6.06	mg/kg
Total EPH	Total EPH	77.1			2.11	6.06	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
FC069512.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	38.5		0.92	4.04	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.6		1.19	2.02	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.2		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2674-01	Acq On:	23 Jul 2025 18:06
Client Sample ID:	TR-04-072225	Operator:	YP/AJ
Data file:	FC069512.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	6137015	44.151	300	ug/ml
Aliphatic C12-C16	6.598	9.999	35813164	248.576	200	ug/ml
Aliphatic C16-C21	10.000	13.366	29506464	216.964	300	ug/ml
Aliphatic C21-C28	13.367	17.030	7309121	61.427	400	ug/ml
Aliphatic C28-C40	17.031	22.001	51461996	572.543	600	ug/ml
Aliphatic EPH	3.301	22.001	130227760	1140		ug/ml
ortho-Terphenyl (SURR)	11.667	11.667	5370991	36.19		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	4298375	38.04		ug/ml
Aliphatic C9-C28	3.301	17.030	78765764	571.118	1200	ug/ml