

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	TR-04-072225MSD	SDG No.:	Q2674
Lab Sample ID:	Q2674-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.6
Sample Wt/Vol:	30.05 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 20:15	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	165			2.11	6.08	mg/kg
Total EPH	Total EPH	165			2.11	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069515.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	96.6	E	0.92	4.04	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.9	E	1.19	2.03	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2674-01MSD	Acq On:	23 Jul 2025 20:15
Client Sample ID:	Q2674-01MSD	Operator:	YP/AJ
Data file:	FC069515.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	26917679	193.653	300	ug/ml
Aliphatic C12-C16	6.598	9.999	60081581	417.021	200	ug/ml
Aliphatic C16-C21	10.000	13.366	60972574	448.338	300	ug/ml
Aliphatic C21-C28	13.367	17.030	44229906	371.714	400	ug/ml
Aliphatic C28-C40	17.031	22.001	90441408	1010	600	ug/ml
Aliphatic EPH	3.301	22.001	282643148	2440		ug/ml
ortho-Terphenyl (SURR)	11.673	11.673	4371673	29.46		ug/ml
1-chlorooctadecane (SURR)	13.109	13.109	3486437	30.85		ug/ml
Aliphatic C9-C28	3.301	17.030	192201740	1430	1200	ug/ml