

Report of Analysis

Client:	PSEG	Date Collected:	12/05/25
Project:	Trenton Gas and Appliance Service (TR)	Date Received:	12/05/25
Client Sample ID:	TR-05-12-5-2025	SDG No.:	Q3806
Lab Sample ID:	Q3806-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/08/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	15.9		1	1.26	2.14	mg/kg	FE057243.D	12/09/25 12:24	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	3.97	J	1	0.98	4.28	mg/kg	FE057243.D	12/09/25 12:24	PB170866
Total AliphaticEPH	Total AliphaticEPH	19.9			2.23	6.42	mg/kg			
Total EPH	Total EPH	19.9			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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.97	J	1	0.98	4.28	mg/kg	12/09/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	15.9		1	1.26	2.14	mg/kg	12/09/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	32.9			40 - 140	66%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.5			40 - 140	75%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3806-05	Acq On:	09 Dec 2025 12:24
Client Sample ID:	TR-05-12-5-2025	Operator:	YP\AJ
Data file:	FE057243.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	2630850	13.111	300	ug/ml
Aliphatic C12-C16	6.819	10.263	5468768	26.916	200	ug/ml
Aliphatic C16-C21	10.264	13.636	1358064	6.848	300	ug/ml
Aliphatic C21-C28	13.637	17.304	1738122	8.745	400	ug/ml
Aliphatic C28-C40	17.305	22.230	44591459	223.069	600	ug/ml
Aliphatic EPH	3.193	22.230	55787263	278.69		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	8232510	37.52		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	5469784	32.87		ug/ml
Aliphatic C9-C28	3.193	17.304	11195804	55.62	1200	ug/ml