

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:	Q3806-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.09 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	10.4		1	1.25	2.12	mg/kg	FE057242.D	12/09/25 11:54	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	3.44	J	1	0.97	4.25	mg/kg	FE057242.D	12/09/25 11:54	PB170866
Total AliphaticEPH	Total AliphaticEPH	13.8			2.22	6.37	mg/kg			
Total EPH	Total EPH	13.8			2.22	6.37	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.44	J	1	0.97	4.25	mg/kg	12/09/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	1.25	2.12	mg/kg	12/09/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.8			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.6			40 - 140	53%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3806-04	Acq On:	09 Dec 2025 11:54
Client Sample ID:	TR-05-12-5-2025	Operator:	YP\AJ
Data file:	FE057242.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	1796708	8.954	300	ug/ml
Aliphatic C12-C16	6.819	10.263	6308689	31.05	200	ug/ml
Aliphatic C16-C21	10.264	13.636	1712055	8.633	300	ug/ml
Aliphatic C21-C28	13.637	17.304	1433954	7.215	400	ug/ml
Aliphatic C28-C40	17.305	22.230	29307282	146.61	600	ug/ml
Aliphatic EPH	3.193	22.230	40558688	202.462		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	5831755	26.58		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	4123942	24.78		ug/ml
Aliphatic C9-C28	3.193	17.304	11251406	55.852	1200	ug/ml