

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-01-12-5-2025	SDG No.:	Q3806
Lab Sample ID:	Q3806-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.04 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	11.8		1	1.28	2.16	mg/kg	FE057229.D	12/09/25 3:46	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	1.05	J	1	0.98	4.32	mg/kg	FE057229.D	12/09/25 3:46	PB170866
Total AliphaticEPH	Total AliphaticEPH	12.8			2.26	6.48	mg/kg			
Total EPH	Total EPH	12.8			2.26	6.48	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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Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/08/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.05	J	1	0.98	4.32	mg/kg	12/09/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	11.8		1	1.28	2.16	mg/kg	12/09/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.1			40 - 140	40%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	23.9			40 - 140	48%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3806-01	Acq On:	09 Dec 2025 03:46
Client Sample ID:	TR-01-12-5-2025	Operator:	YP\AJ
Data file:	FE057229.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.819	663013	3.304	300	ug/ml
Aliphatic C12-C16	6.820	10.265	1585614	7.804	200	ug/ml
Aliphatic C16-C21	10.266	13.640	687520	3.467	300	ug/ml
Aliphatic C21-C28	13.641	17.310	1220470	6.141	400	ug/ml
Aliphatic C28-C40	17.311	22.240	32795063	164.057	600	ug/ml
Aliphatic EPH	3.193	22.240	36951680	184.773		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	5252574	23.94		ug/ml
1-chlorooctadecane (SURR)	13.369	13.369	3350343	20.13		ug/ml
Aliphatic C9-C28	3.193	17.310	4156617	20.716	1200	ug/ml