

Report of Analysis

Client:	PSEG	Date Collected:	11/20/25
Project:	Trenton Gas and Appliance Service (TR)	Date Received:	11/20/25
Client Sample ID:	TR-04-112025-E2	SDG No.:	Q3699
Lab Sample ID:	Q3699-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/21/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	21.0		1	1.33	2.25	mg/kg	FE056990.D	11/21/25 19:35	PB170681
Aliphatic C9-C28	Aliphatic C9-C28	7.59		1	1.03	4.51	mg/kg	FE056990.D	11/21/25 19:35	PB170681
Total AliphaticEPH	Total AliphaticEPH	28.6			2.36	6.76	mg/kg			
Total EPH	Total EPH	28.6			2.36	6.76	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	7.59	1		1.03	4.51	mg/kg	11/21/25	PB170681
Aliphatic C28-C40	Aliphatic C28-C40	21.0	1		1.33	2.25	mg/kg	11/21/25	PB170681
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.3			40 - 140	51%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.0			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3699-02	Acq On:	21 Nov 2025 19:35
Client Sample ID:	TR-04-112025-E2	Operator:	YP\AJ
Data file:	FE056990.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.206	6.830	1239724	7.243	300	ug/ml
Aliphatic C12-C16	6.831	10.275	5484675	30.683	200	ug/ml
Aliphatic C16-C21	10.276	13.648	9525858	51.075	300	ug/ml
Aliphatic C21-C28	13.649	17.317	2310419	11.986	400	ug/ml
Aliphatic C28-C40	17.318	22.248	44471661	279.144	600	ug/ml
Aliphatic EPH	3.206	22.248	63032337	380.13		ug/ml
ortho-Terphenyl (SURR)	11.946	11.946	6270684	30.02		ug/ml
1-chlorooctadecane (SURR)	13.383	13.383	4082030	25.34		ug/ml
Aliphatic C9-C28	3.206	17.317	18560676	100.987	1200	ug/ml