

## Report of Analysis

Client:	PSEG	Date Collected:	10/16/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	10/16/25
Client Sample ID:	TR-1-101625	SDG No.:	Q3366
Lab Sample ID:	Q3366-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
<b>TARGETS</b>										
Aliphatic C28-C40	Aliphatic C28-C40	132		10	12.8	21.6	mg/kg	FE056383.D	10/20/25 11:10	PB170145
Aliphatic C9-C28	Aliphatic C9-C28	135		10	9.84	43.2	mg/kg	FE056383.D	10/20/25 11:10	PB170145
Total AliphaticEPH	Total AliphaticEPH	267			22.6	64.8	mg/kg			
Total EPH	Total EPH	267			22.6	64.8	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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<b>TARGETS</b>									
Aliphatic C9-C28	Aliphatic C9-C28	113	E	1	0.98	4.32	mg/kg	10/17/25	PB170145
Aliphatic C28-C40	Aliphatic C28-C40	115	E	1	1.28	2.16	mg/kg	10/17/25	PB170145
<b>SURROGATES</b>									
3383-33-2	1-chlorooctadecane (SURR)	32.0			40 - 140	64%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.1			40 - 140	54%	SPK: 50		

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3366-03	Acq On:	17 Oct 2025 17:38
Client Sample ID:	TR-1-101625	Operator:	YP\AJ
Data file:	FE056367.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.925	13305728	80.603	300	ug/ml
Aliphatic C12-C16	6.926	10.376	97297297	570.506	200	ug/ml
Aliphatic C16-C21	10.377	13.754	111040467	621.595	300	ug/ml
Aliphatic C21-C28	13.755	17.425	53716271	299.941	400	ug/ml
Aliphatic C28-C40	17.426	22.424	222690083	1600	600	ug/ml
Aliphatic EPH	3.299	22.424	498049846	3180		ug/ml
ortho-Terphenyl (SURR)	12.057	12.057	5534983	27.09		ug/ml
1-chlorooctadecane (SURR)	13.494	13.494	4888416	32.04		ug/ml
Aliphatic C9-C28	3.299	17.425	275359763	1570	1200	ug/ml