

Report of Analysis

Client:	PSEG	Date Collected:	10/24/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	10/24/25
Client Sample ID:	TR-05-102425-E2	SDG No.:	Q3457
Lab Sample ID:	Q3457-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/27/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	21.9		1	1.26	2.13	mg/kg	FE056517.D	10/27/25 16:48	PB170258
Aliphatic C9-C28	Aliphatic C9-C28	19.7		1	0.97	4.27	mg/kg	FE056517.D	10/27/25 16:48	PB170258
Total AliphaticEPH	Total AliphaticEPH	41.6			2.23	6.40	mg/kg			
Total EPH	Total EPH	41.6			2.23	6.40	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	19.7	1		0.97	4.27	mg/kg	10/27/25	PB170258
Aliphatic C28-C40	Aliphatic C28-C40	21.9	1		1.26	2.13	mg/kg	10/27/25	PB170258
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.0			40 - 140	58%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.5			40 - 140	51%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3457-02	Acq On:	27 Oct 2025 16:48
Client Sample ID:	TR-05-102425-E2	Operator:	YP\AJ
Data file:	FE056517.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.245	6.871	863371	5.23	300	ug/ml
Aliphatic C12-C16	6.872	10.320	6429563	37.7	200	ug/ml
Aliphatic C16-C21	10.321	13.697	23403631	131.012	300	ug/ml
Aliphatic C21-C28	13.698	17.368	18396614	102.723	400	ug/ml
Aliphatic C28-C40	17.369	22.326	42794945	308.315	600	ug/ml
Aliphatic EPH	3.245	22.326	91888124	584.979		ug/ml
ortho-Terphenyl (SURR)	11.991	11.991	5217102	25.54		ug/ml
1-chlorooctadecane (SURR)	13.430	13.430	4418411	28.96		ug/ml
Aliphatic C9-C28	3.245	17.368	49093179	276.665	1200	ug/ml