

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	SDG No.:	Q3457
Lab Sample ID:	Q3457-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.2
Sample Wt/Vol:	30.02 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	28.6		1	1.28	2.17	mg/kg	FE056516.D	10/27/25 16:18	PB170258
Aliphatic C9-C28	Aliphatic C9-C28	23.4		1	0.99	4.33	mg/kg	FE056516.D	10/27/25 16:18	PB170258
Total AliphaticEPH	Total AliphaticEPH	52.0			2.27	6.50	mg/kg			
Total EPH	Total EPH	52.0			2.27	6.50	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	23.4	1		0.99	4.33	mg/kg	10/27/25	PB170258
Aliphatic C28-C40	Aliphatic C28-C40	28.6	1		1.28	2.17	mg/kg	10/27/25	PB170258
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.3			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	24.9			40 - 140	50%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3457-01	Acq On:	27 Oct 2025 16:18
Client Sample ID:	TR-05-102425	Operator:	YP\AJ
Data file:	FE056516.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	3.245	6.871	1212571	7.345	300	ug/ml
Aliphatic C12-C16	6.872	10.320	16889412	99.032	200	ug/ml
Aliphatic C16-C21	10.321	13.697	27862112	155.97	300	ug/ml
Aliphatic C21-C28	13.698	17.368	10926730	61.013	400	ug/ml
Aliphatic C28-C40	17.369	22.326	54968492	396.019	600	ug/ml
Aliphatic EPH	3.245	22.326	111859317	719.378		ug/ml
ortho-Terphenyl (SURR)	11.988	11.988	5083618	24.88		ug/ml
1-chlorooctadecane (SURR)	13.429	13.429	4017497	26.33		ug/ml
Aliphatic C9-C28	3.245	17.368	56890825	323.36	1200	ug/ml