

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB170145BSD	SDG No.:	Q3366
Lab Sample ID:	PB170145BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 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
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	18.7		1	1.18	2.00	mg/kg	FE056364.D	10/17/25 16:08	PB170145
Aliphatic C9-C28	Aliphatic C9-C28	40.6		1	0.91	3.99	mg/kg	FE056364.D	10/17/25 16:08	PB170145
Total AliphaticEPH	Total AliphaticEPH	59.3			2.09	5.99	mg/kg			
Total EPH	Total EPH	59.3			2.09	5.99	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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Total EPH	Total EPH	59.3			2.09	5.99	mg/kg			

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TARGETS									
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Aliphatic C28-C40	Aliphatic C28-C40	18.7	1		1.18	2.00	mg/kg	10/17/25	PB170145
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.1			40 - 140	68%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.9			40 - 140	64%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170145BSD	Acq On:	17 Oct 2025 16:08
Client Sample ID:	PB170145BSD	Operator:	YP\AJ
Data file:	FE056364.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.925	28925509	175.224	300	ug/ml
Aliphatic C12-C16	6.926	10.376	23028467	135.028	200	ug/ml
Aliphatic C16-C21	10.377	13.754	23444002	131.237	300	ug/ml
Aliphatic C21-C28	13.755	17.425	30195031	168.603	400	ug/ml
Aliphatic C28-C40	17.426	22.424	38954593	280.647	600	ug/ml
Aliphatic EPH	3.299	22.424	144547602	890.74		ug/ml
ortho-Terphenyl (SURR)	12.057	12.057	6527887	31.95		ug/ml
1-chlorooctadecane (SURR)	13.494	13.494	5207000	34.13		ug/ml
Aliphatic C9-C28	3.299	17.425	105593009	610.092	1200	ug/ml