

Report of Analysis

Client:	PSEG	Date Collected:	11/13/25
Project:	Trenton Gas and Appliance Service (TR)	Date Received:	11/13/25
Client Sample ID:	TR-05-111325	SDG No.:	Q3641
Lab Sample ID:	Q3641-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.25	2.12	mg/kg	FE056877.D	11/17/25 18:10	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	0.97	U	1	0.97	4.24	mg/kg	FE056877.D	11/17/25 18:10	PB170578
Total AliphaticEPH	Total AliphaticEPH	13.0			2.22	6.36	mg/kg			
Total EPH	Total EPH	13.0			2.22	6.36	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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Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
Prep Method :		Prep Date	11/17/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1	0.97	4.24	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.25	2.12	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.2			40 - 140	52%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.6			40 - 140	63%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3641-01	Acq On:	17 Nov 2025 18:10
Client Sample ID:	TR-05-111325	Operator:	YP\AJ
Data file:	FE056877.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	600387	3.508	300	ug/ml
Aliphatic C12-C16	6.837	10.281	1079604	6.04	200	ug/ml
Aliphatic C16-C21	10.282	13.655	759732	4.074	300	ug/ml
Aliphatic C21-C28	13.656	17.323	1170353	6.071	400	ug/ml
Aliphatic C28-C40	17.324	22.257	29197519	183.27	600	ug/ml
Aliphatic EPH	3.213	22.257	32807595	202.962		ug/ml
ortho-Terphenyl (SURR)	11.950	11.950	6612566	31.65		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	4217157	26.17		ug/ml
Aliphatic C9-C28	3.213	17.323	3610076	19.693	1200	ug/ml