

Report of Analysis

Client:	PSEG	Date Collected:	11/07/25
Project:	Trenton Gas and Appliance Service (TR)	Date Received:	11/07/25
Client Sample ID:	TR-01-11072025-E2	SDG No.:	Q3588
Lab Sample ID:	Q3588-04	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 :	11/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	33.5		1	1.28	2.16	mg/kg	FE056750.D	11/12/25 1:16	PB170479
Aliphatic C9-C28	Aliphatic C9-C28	157		5	4.92	21.6	mg/kg	FE056765.D	11/12/25 9:18	PB170479
Total AliphaticEPH	Total AliphaticEPH	191			6.21	23.8	mg/kg			
Total EPH	Total EPH	191			6.21	23.8	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	147	E	1	0.98	4.32	mg/kg	11/12/25	PB170479
Aliphatic C28-C40	Aliphatic C28-C40	33.5		1	1.28	2.16	mg/kg	11/12/25	PB170479
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	18.8			40 - 140	38%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	23.6			40 - 140	47%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3588-04	Acq On:	12 Nov 2025 01:16
Client Sample ID:	TR-01-11072025-E2	Operator:	YP\AJ
Data file:	FE056750.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.845	41732994	243.821	300	ug/ml
Aliphatic C12-C16	6.846	10.294	171688616	960.473	200	ug/ml
Aliphatic C16-C21	10.295	13.672	135136983	724.574	300	ug/ml
Aliphatic C21-C28	13.673	17.343	21684958	112.494	400	ug/ml
Aliphatic C28-C40	17.344	22.291	74019854	464.614	600	ug/ml
Aliphatic EPH	3.220	22.291	444263405	2510		ug/ml
ortho-Terphenyl (SURR)	11.957	11.957	4926940	23.58		ug/ml
1-chlorooctadecane (SURR)	13.394	13.394	3030556	18.81		ug/ml
Aliphatic C9-C28	3.220	17.343	370243551	2040	1200	ug/ml