

Report of Analysis

Client:	PSEG	Date Collected:	12/05/25
Project:	Trenton Gas and Appliance Service (TR)	Date Received:	12/05/25
Client Sample ID:	TR-01-12-5-2025	SDG No.:	Q3806
Lab Sample ID:	Q3806-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/08/25

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	1.31	2.22	mg/kg	FE057241.D	12/09/25 11:24	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	2.33	J	1	1.01	4.44	mg/kg	FE057241.D	12/09/25 11:24	PB170866
Total AliphaticEPH	Total AliphaticEPH	15.3			2.32	6.66	mg/kg			
Total EPH	Total EPH	15.3			2.32	6.66	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.33	J	1	1.01	4.44	mg/kg	12/09/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.31	2.22	mg/kg	12/09/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.6			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.2			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3806-02	Acq On:	09 Dec 2025 11:24
Client Sample ID:	TR-01-12-5-2025	Operator:	YP\AJ
Data file:	FE057241.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	1446130	7.207	300	ug/ml
Aliphatic C12-C16	6.819	10.263	3680313	18.114	200	ug/ml
Aliphatic C16-C21	10.264	13.636	1227729	6.191	300	ug/ml
Aliphatic C21-C28	13.637	17.304	1496879	7.532	400	ug/ml
Aliphatic C28-C40	17.305	22.230	35123965	175.708	600	ug/ml
Aliphatic EPH	3.193	22.230	42975016	214.751		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	5963827	27.18		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	3926852	23.6		ug/ml
Aliphatic C9-C28	3.193	17.304	7851051	39.044	1200	ug/ml