

Report of Analysis

Client:	PSEG	Date Collected:	10/16/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	10/16/25
Client Sample ID:	TR-06-101625-E2	SDG No.:	Q3366
Lab Sample ID:	Q3366-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.08 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	115		10	12.3	20.9	mg/kg	FE056382.D	10/20/25 10:40	PB170145
Aliphatic C9-C28	Aliphatic C9-C28	181		10	9.51	41.9	mg/kg	FE056382.D	10/20/25 10:40	PB170145
Total AliphaticEPH	Total AliphaticEPH	296			21.8	62.8	mg/kg			
Total EPH	Total EPH	296			21.8	62.8	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	154	E	1	0.95	4.19	mg/kg	10/17/25	PB170145
Aliphatic C28-C40	Aliphatic C28-C40	120	E	1	1.23	2.09	mg/kg	10/17/25	PB170145
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.4			40 - 140	69%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.6			40 - 140	53%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3366-02	Acq On:	17 Oct 2025 17:08
Client Sample ID:	TR-06-101625-E2	Operator:	YP\AJ
Data file:	FE056366.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.925	10834956	65.636	300	ug/ml
Aliphatic C12-C16	6.926	10.376	129267289	757.963	200	ug/ml
Aliphatic C16-C21	10.377	13.754	164004701	918.084	300	ug/ml
Aliphatic C21-C28	13.755	17.425	83322299	465.256	400	ug/ml
Aliphatic C28-C40	17.426	22.424	240862884	1740	600	ug/ml
Aliphatic EPH	3.299	22.424	628292129	3940		ug/ml
ortho-Terphenyl (SURR)	12.057	12.057	5439091	26.62		ug/ml
1-chlorooctadecane (SURR)	13.493	13.493	5250976	34.41		ug/ml
Aliphatic C9-C28	3.299	17.425	387429245	2210	1200	ug/ml