

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	SDG No.:	Q3366
Lab Sample ID:	Q3366-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.04 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	119		10	12.4	21.0	mg/kg	FE056381.D	10/20/25 10:10	PB170145
Aliphatic C9-C28	Aliphatic C9-C28	175		10	9.57	42.0	mg/kg	FE056381.D	10/20/25 10:10	PB170145
Total AliphaticEPH	Total AliphaticEPH	294			22.0	63.0	mg/kg			
Total EPH	Total EPH	294			22.0	63.0	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

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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	158	E	1	0.96	4.20	mg/kg	10/17/25	PB170145
Aliphatic C28-C40	Aliphatic C28-C40	113	E	1	1.24	2.10	mg/kg	10/17/25	PB170145
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.3			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.8			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3366-01	Acq On:	17 Oct 2025 16:38
Client Sample ID:	TR-06-101625	Operator:	YP\AJ
Data file:	FE056365.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.925	32489314	196.812	300	ug/ml
Aliphatic C12-C16	6.926	10.376	162916920	955.269	200	ug/ml
Aliphatic C16-C21	10.377	13.754	135008144	755.764	300	ug/ml
Aliphatic C21-C28	13.755	17.425	61294754	342.258	400	ug/ml
Aliphatic C28-C40	17.426	22.424	224692626	1620	600	ug/ml
Aliphatic EPH	3.299	22.424	616401758	3870		ug/ml
ortho-Terphenyl (SURR)	12.053	12.053	5478720	26.82		ug/ml
1-chlorooctadecane (SURR)	13.489	13.489	3711208	24.32		ug/ml
Aliphatic C9-C28	3.299	17.425	391709132	2250	1200	ug/ml