

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	TR-01-101625-E2MSD	SDG No.:	Q3366
Lab Sample ID:	Q3366-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.2
Sample Wt/Vol:	30.09 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
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TARGETS

Total AliphaticEPH	Total AliphaticEPH	48.3			2.19	6.29	mg/kg			
Total EPH	Total EPH	48.3			2.19	6.29	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	28.5	1		0.95	4.20	mg/kg	10/17/25	PB170145
Aliphatic C28-C40	Aliphatic C28-C40	19.8	1		1.24	2.09	mg/kg	10/17/25	PB170145
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	42.5			40 - 140	85%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.7			40 - 140	79%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3366-04MSD	Acq On:	17 Oct 2025 19:40
Client Sample ID:	Q3366-04MSD	Operator:	YP\AJ
Data file:	FE056371.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	3.299	6.925	8697220	52.686	300	ug/ml
Aliphatic C12-C16	6.926	10.376	16714215	98.004	200	ug/ml
Aliphatic C16-C21	10.377	13.754	24547640	137.416	300	ug/ml
Aliphatic C21-C28	13.755	17.425	21554496	120.356	400	ug/ml
Aliphatic C28-C40	17.426	22.424	39319731	283.278	600	ug/ml
Aliphatic EPH	3.299	22.424	110833302	691.739		ug/ml
ortho-Terphenyl (SURR)	12.056	12.056	8106089	39.68		ug/ml
1-chlorooctadecane (SURR)	13.493	13.493	6485293	42.5		ug/ml
Aliphatic C9-C28	3.299	17.425	71513571	408.462	1200	ug/ml