

Report of Analysis

Client:	PSEG	Date Collected:	11/18/25
Project:	PSEG Camden Gas LPG Replacement	Date Received:	11/18/25
Client Sample ID:	ARS20-0013	SDG No.:	Q3664
Lab Sample ID:	Q3664-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/19/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	5.01		1	1.18	2.00	mg/kg	FE056940.D	11/19/25 17:10	PB170632
Aliphatic C9-C28	Aliphatic C9-C28	2.46	J	1	0.91	3.99	mg/kg	FE056940.D	11/19/25 17:10	PB170632
Total AliphaticEPH	Total AliphaticEPH	7.47			2.09	5.99	mg/kg			
Total EPH	Total EPH	7.47			2.09	5.99	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	2.46	J	1	0.91	3.99	mg/kg	11/19/25	PB170632
Aliphatic C28-C40	Aliphatic C28-C40	5.01		1	1.18	2.00	mg/kg	11/19/25	PB170632
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.4			40 - 140	63%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.4			40 - 140	75%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3664-03	Acq On:	19 Nov 2025 17:10
Client Sample ID:	ARS20-0013	Operator:	YP\AJ
Data file:	FE056940.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.832	418958	2.448	300	ug/ml
Aliphatic C12-C16	6.833	10.276	578585	3.237	200	ug/ml
Aliphatic C16-C21	10.277	13.648	5832796	31.274	300	ug/ml
Aliphatic C21-C28	13.649	17.318	1159509	6.015	400	ug/ml
Aliphatic C28-C40	17.319	22.247	11989296	75.255	600	ug/ml
Aliphatic EPH	3.209	22.247	19979144	118.229		ug/ml
ortho-Terphenyl (SURR)	11.945	11.945	7810139	37.38		ug/ml
1-chlorooctadecane (SURR)	13.382	13.382	5061498	31.42		ug/ml
Aliphatic C9-C28	3.209	17.318	7989848	42.974	1200	ug/ml