

Report of Analysis

Client:	PSEG	Date Collected:	11/21/25
Project:	Jersey City Gas and Appliance Service (JC)	Date Received:	11/21/25
Client Sample ID:	JC-03-11212025	SDG No.:	Q3712
Lab Sample ID:	Q3712-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	15.2		1	1.32	2.23	mg/kg	FE057013.D	11/24/25 22:15	PB170707
Aliphatic C9-C28	Aliphatic C9-C28	7.44		1	1.01	4.45	mg/kg	FE057013.D	11/24/25 22:15	PB170707
Total AliphaticEPH	Total AliphaticEPH	22.6			2.34	6.68	mg/kg			
Total EPH	Total EPH	22.6			2.34	6.68	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	7.44	1		1.01	4.45	mg/kg	11/24/25	PB170707
Aliphatic C28-C40	Aliphatic C28-C40	15.2	1		1.32	2.23	mg/kg	11/24/25	PB170707
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.3			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.1			40 - 140	56%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3712-01	Acq On:	24 Nov 2025 22:15
Client Sample ID:	JC-03-11212025	Operator:	YP\AJ
Data file:	FE057013.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.204	6.829	393338	2.298	300	ug/ml
Aliphatic C12-C16	6.830	10.275	3259509	18.235	200	ug/ml
Aliphatic C16-C21	10.276	13.649	7054279	37.823	300	ug/ml
Aliphatic C21-C28	13.650	17.319	8038319	41.7	400	ug/ml
Aliphatic C28-C40	17.320	22.252	32570960	204.444	600	ug/ml
Aliphatic EPH	3.204	22.252	51316405	304.5		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	5864649	28.07		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	3917124	24.31		ug/ml
Aliphatic C9-C28	3.204	17.319	18745445	100.056	1200	ug/ml