

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Plainfield Gas and Appliance Service (PL)	Date Received:	
Client Sample ID:	PB170903BS	SDG No.:	Q3831
Lab Sample ID:	PB170903BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1	1.18	2.00	mg/kg	FE057310.D	12/11/25 14:02	PB170903
Aliphatic C9-C28	Aliphatic C9-C28	54.6		1	0.91	3.99	mg/kg	FE057310.D	12/11/25 14:02	PB170903
Total AliphaticEPH	Total AliphaticEPH	71.7			2.09	5.99	mg/kg			
Total EPH	Total EPH	71.7			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	54.6	1		0.91	3.99	mg/kg	12/11/25	PB170903
Aliphatic C28-C40	Aliphatic C28-C40	17.1	1		1.18	2.00	mg/kg	12/11/25	PB170903
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.6			40 - 140	57%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.9			40 - 140	62%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170903BS	Acq On:	11 Dec 2025 14:02
Client Sample ID:	PB170903BS	Operator:	YP\AJ
Data file:	FE057310.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.187	6.813	27765380	138.373	300	ug/ml
Aliphatic C12-C16	6.814	10.258	38132919	187.683	200	ug/ml
Aliphatic C16-C21	10.259	13.632	41644838	209.993	300	ug/ml
Aliphatic C21-C28	13.633	17.300	56280173	283.175	400	ug/ml
Aliphatic C28-C40	17.301	22.225	51199740	256.127	600	ug/ml
Aliphatic EPH	3.187	22.225	215023050	1080		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	6771431	30.86		ug/ml
1-chlorooctadecane (SURR)	13.367	13.367	4757314	28.58		ug/ml
Aliphatic C9-C28	3.187	17.300	163823310	819.224	1200	ug/ml