

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Plainfield Gas and Appliance Service (PL)	Date Received:	
Client Sample ID:	PL-01-12102025MSD	SDG No.:	Q3831
Lab Sample ID:	Q3831-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.02 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

Total AliphaticEPH	Total AliphaticEPH	101			2.28	6.56	mg/kg			
Total EPH	Total EPH	101			2.28	6.56	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

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Plainfield Gas and Appliance Service (PL)	Date Received:	
Client Sample ID:	PL-01-12102025MSD	SDG No.:	Q3831
Lab Sample ID:	Q3831-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	12/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	66.3	1		0.99	4.37	mg/kg	12/11/25	PB170903
Aliphatic C28-C40	Aliphatic C28-C40	35.1	1		1.29	2.19	mg/kg	12/11/25	PB170903
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.7			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.7			40 - 140	53%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3831-01MSD	Acq On:	11 Dec 2025 16:34
Client Sample ID:	Q3831-01MSD	Operator:	YP\AJ
Data file:	FE057315.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.187	6.813	23148691	115.365	300	ug/ml
Aliphatic C12-C16	6.814	10.258	38619930	190.08	200	ug/ml
Aliphatic C16-C21	10.259	13.632	49430320	249.251	300	ug/ml
Aliphatic C21-C28	13.633	17.300	70270941	353.57	400	ug/ml
Aliphatic C28-C40	17.301	22.225	96363322	482.058	600	ug/ml
Aliphatic EPH	3.187	22.225	277833204	1390		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	5861126	26.71		ug/ml
1-chlorooctadecane (SURR)	13.366	13.366	4103576	24.66		ug/ml
Aliphatic C9-C28	3.187	17.300	181469882	908.266	1200	ug/ml