

Report of Analysis

Client:	PSEG	Date Collected:	10/31/25
Project:	Plainfield Gas and Appliance Service (PL)	Date Received:	10/31/25
Client Sample ID:	PL-01-103125	SDG No.:	Q3519
Lab Sample ID:	Q3519-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	69.9		5	6.91	11.7	mg/kg	FE056658.D	11/04/25 9:20	PB170373
Aliphatic C9-C28	Aliphatic C9-C28	10.7		1	1.07	4.68	mg/kg	FE056646.D	11/03/25 20:29	PB170373
Total AliphaticEPH	Total AliphaticEPH	80.6			7.98	16.4	mg/kg			
Total EPH	Total EPH	80.6			7.98	16.4	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	10.7	1		1.07	4.68	mg/kg	11/03/25	PB170373
Aliphatic C28-C40	Aliphatic C28-C40	71.3	E 1		1.38	2.34	mg/kg	11/03/25	PB170373
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.7			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.6			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3519-01	Acq On:	03 Nov 2025 20:29
Client Sample ID:	PL-01-103125	Operator:	YP\AJ
Data file:	FE056646.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.222	6.847	1465703	8.563	300	ug/ml
Aliphatic C12-C16	6.848	10.294	6561849	36.709	200	ug/ml
Aliphatic C16-C21	10.295	13.669	6916050	37.082	300	ug/ml
Aliphatic C21-C28	13.670	17.339	10638567	55.189	400	ug/ml
Aliphatic C28-C40	17.340	22.280	145520650	913.417	600	ug/ml
Aliphatic EPH	3.222	22.280	171102819	1050		ug/ml
ortho-Terphenyl (SURR)	11.975	11.975	4720082	22.59		ug/ml
1-chlorooctadecane (SURR)	13.414	13.414	3812150	23.66		ug/ml
Aliphatic C9-C28	3.222	17.339	25582169	137.543	1200	ug/ml