

Report of Analysis

Client:	PSEG	Date Collected:	09/05/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	09/05/25
Client Sample ID:	PL-01-09052025-E2	SDG No.:	Q3031
Lab Sample ID:	Q3031-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/08/25 09:35	09/09/25 9:18	PB169594

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	69.2		5	6.64	11.2	mg/kg	FE055733.D
Aliphatic C9-C28	Aliphatic C9-C28	117		5	5.12	22.5	mg/kg	FE055733.D
Total AliphaticEPH	Total AliphaticEPH	186			11.8	33.7	mg/kg	
Total EPH	Total EPH	186			11.8	33.7	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055726.D	1	09/08/25	09/08/25	PB169594

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	127	E	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	70.5	E	1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.0		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.2		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3031-02	Acq On:	08 Sep 2025 19:18
Client Sample ID:	PL-01-09052025-E2	Operator:	YP\AJ
Data file:	FE055726.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.954	1512664	11.781	300	ug/ml
Aliphatic C12-C16	6.955	10.408	14414187	106.696	200	ug/ml
Aliphatic C16-C21	10.409	13.788	100504459	696.896	300	ug/ml
Aliphatic C21-C28	13.789	17.461	125341649	875.072	400	ug/ml
Aliphatic C28-C40	17.462	22.490	129486343	940.217	600	ug/ml
Aliphatic EPH	3.317	22.490	371259302	2630		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	4302546	26.19		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	7126637	56.99		ug/ml
Aliphatic C9-C28	3.317	17.461	241772959	1690	1200	ug/ml