

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	
Client Sample ID:	PB169594BSD	SDG No.:	Q3031
Lab Sample ID:	PB169594BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 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	09/08/25 16:46	PB169594

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.18	2.00	mg/kg	FE055721.D
Aliphatic C9-C28	Aliphatic C9-C28	78.1		1	0.91	3.99	mg/kg	FE055721.D
Total AliphaticEPH	Total AliphaticEPH	105			2.09	5.99	mg/kg	
Total EPH	Total EPH	105			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055721.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	78.1		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.7		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.3		40 - 140	91%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169594BSD	Acq On:	08 Sep 2025 16:46
Client Sample ID:	PB169594BSD	Operator:	YP\AJ
Data file:	FE055721.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.954	25449781	198.201	300	ug/ml
Aliphatic C12-C16	6.955	10.408	36465470	269.924	200	ug/ml
Aliphatic C16-C21	10.409	13.788	44205446	306.52	300	ug/ml
Aliphatic C21-C28	13.789	17.461	56971810	397.749	400	ug/ml
Aliphatic C28-C40	17.462	22.490	54775238	397.73	600	ug/ml
Aliphatic EPH	3.317	22.490	217867745	1570		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	7440273	45.29		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	5834803	46.66		ug/ml
Aliphatic C9-C28	3.317	17.461	163092507	1170	1200	ug/ml