

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	
Client Sample ID:	PB169594BS	SDG No.:	Q3031
Lab Sample ID:	PB169594BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 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 16:16	PB169594

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.7		1	1.18	2.00	mg/kg	FE055720.D
Aliphatic C9-C28	Aliphatic C9-C28	73.6		1	0.91	3.99	mg/kg	FE055720.D
Total AliphaticEPH	Total AliphaticEPH	98.3			2.09	5.99	mg/kg	
Total EPH	Total EPH	98.3			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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055720.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	73.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.5		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169594BS	Acq On:	08 Sep 2025 16:16
Client Sample ID:	PB169594BS	Operator:	YP\AJ
Data file:	FE055720.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.954	23928045	186.35	300	ug/ml
Aliphatic C12-C16	6.955	10.408	34064141	252.149	200	ug/ml
Aliphatic C16-C21	10.409	13.788	41728042	289.342	300	ug/ml
Aliphatic C21-C28	13.789	17.461	54071248	377.498	400	ug/ml
Aliphatic C28-C40	17.462	22.490	50988249	370.232	600	ug/ml
Aliphatic EPH	3.317	22.490	204779725	1480		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	6977983	42.48		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	5477783	43.81		ug/ml
Aliphatic C9-C28	3.317	17.461	153791476	1110	1200	ug/ml