

Report of Analysis

Client:	PSEG	Date Collected:	07/23/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	07/23/25
Client Sample ID:	PL-02-07232025-E2	SDG No.:	Q2684
Lab Sample ID:	Q2684-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/25/25 08:15	07/25/25 13:13	PB169002

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.7		1	1.38	2.34	mg/kg	FE055023.D
Aliphatic C9-C28	Aliphatic C9-C28	8.11		1	1.06	4.68	mg/kg	FE055023.D
Total AliphaticEPH	Total AliphaticEPH	33.8			2.44	7.02	mg/kg	
Total EPH	Total EPH	33.8			2.44	7.02	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
FE055023.D	1	07/25/25	07/25/25	PB169002

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.11		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.7		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2684-02	Acq On:	25 Jul 2025 13:13
Client Sample ID:	PL-02-07232025-E2	Operator:	YP\AJ
Data file:	FE055023.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.326	6.961	941111	6.917	300	ug/ml
Aliphatic C12-C16	6.962	10.415	2611008	18.575	200	ug/ml
Aliphatic C16-C21	10.416	13.795	5275625	36.536	300	ug/ml
Aliphatic C21-C28	13.796	17.465	6090774	42.106	400	ug/ml
Aliphatic C28-C40	17.466	22.494	45697896	329.598	600	ug/ml
Aliphatic EPH	3.326	22.494	60616414	433.732		ug/ml
ortho-Terphenyl (SURR)	12.095	12.095	5115587	31.5		ug/ml
1-chlorooctadecane (SURR)	13.532	13.532	4017092	31.81		ug/ml
Aliphatic C9-C28	3.326	17.465	14918518	104.134	1200	ug/ml