

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	SDG No.:	Q2684
Lab Sample ID:	Q2684-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.06 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 12:43	PB169002

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	34.7		1	1.26	2.14	mg/kg FE055022.D
Aliphatic C9-C28	Aliphatic C9-C28	44.8		1	0.98	4.29	mg/kg FE055022.D
Total AliphaticEPH	Total AliphaticEPH	79.5			2.23	6.42	mg/kg
Total EPH	Total EPH	79.5			2.23	6.42	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
FE055022.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	44.8		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.7		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.9		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.9		40 - 140	42%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2684-01	Acq On:	25 Jul 2025 12:43
Client Sample ID:	PL-02-07232025	Operator:	YP\AJ
Data file:	FE055022.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.326	6.961	6035853	44.363	300	ug/ml
Aliphatic C12-C16	6.962	10.415	26164106	186.131	200	ug/ml
Aliphatic C16-C21	10.416	13.795	33654646	233.076	300	ug/ml
Aliphatic C21-C28	13.796	17.465	23484056	162.349	400	ug/ml
Aliphatic C28-C40	17.466	22.494	67318229	485.535	600	ug/ml
Aliphatic EPH	3.326	22.494	156656890	1110		ug/ml
ortho-Terphenyl (SURR)	12.097	12.097	3389317	20.87		ug/ml
1-chlorooctadecane (SURR)	13.533	13.533	3141010	24.87		ug/ml
Aliphatic C9-C28	3.326	17.465	89338661	625.919	1200	ug/ml