

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	SDG No.:	Q3031
Lab Sample ID:	Q3031-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.1
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
09/08/25 09:35	09/09/25 8:48	PB169594

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	44.9		2	2.80	4.75	mg/kg	FE055732.D
Aliphatic C9-C28	Aliphatic C9-C28	96.1		2	2.16	9.49	mg/kg	FE055732.D
Total AliphaticEPH	Total AliphaticEPH	141			4.96	14.2	mg/kg	
Total EPH	Total EPH	141			4.96	14.2	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
FE055722.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	102	E	1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	48.0	E	1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.6		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3031-01	Acq On:	08 Sep 2025 17:17
Client Sample ID:	PL-01-09052025	Operator:	YP\AJ
Data file:	FE055722.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.954	868090	6.761	300	ug/ml
Aliphatic C12-C16	6.955	10.408	8679990	64.251	200	ug/ml
Aliphatic C16-C21	10.409	13.788	73886471	512.328	300	ug/ml
Aliphatic C21-C28	13.789	17.461	101076565	705.666	400	ug/ml
Aliphatic C28-C40	17.462	22.490	83497182	606.284	600	ug/ml
Aliphatic EPH	3.317	22.490	268008298	1900		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	5259019	32.01		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	6578011	52.61		ug/ml
Aliphatic C9-C28	3.317	17.461	184511116	1290	1200	ug/ml