

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	06/27/25
Client Sample ID:	PL-2-062725	SDG No.:	Q2450
Lab Sample ID:	Q2450-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/30/25 08:50	07/01/25 10:40	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	87.0		5	6.38	10.8	mg/kg FE054651.D
Aliphatic C9-C28	Aliphatic C9-C28	158		5	4.92	21.6	mg/kg FE054651.D
Total AliphaticEPH	Total AliphaticEPH	245			11.3	32.4	mg/kg
Total EPH	Total EPH	245			11.3	32.4	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
FE054633.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	157	E	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	85.9	E	1.28	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.1		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.3		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2450-01	Acq On:	30 Jun 2025 17:56
Client Sample ID:	PL-2-062725	Operator:	YP\AJ
Data file:	FE054633.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	4532441	33.313	300	ug/ml
Aliphatic C12-C16	6.950	10.397	24219255	172.295	200	ug/ml
Aliphatic C16-C21	10.398	13.771	123494391	855.262	300	ug/ml
Aliphatic C21-C28	13.772	17.439	161747361	1120	400	ug/ml
Aliphatic C28-C40	17.440	22.445	165213758	1190	600	ug/ml
Aliphatic EPH	3.322	22.445	479207206	3370		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	4751645	29.26		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	6701189	53.06		ug/ml
Aliphatic C9-C28	3.322	17.439	313993448	2180	1200	ug/ml