

Report of Analysis

Client:	PSEG	Date Collected:	06/13/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	06/13/25
Client Sample ID:	PL-01-06132025	SDG No.:	Q2323
Lab Sample ID:	Q2323-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
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
06/16/25 08:50	06/17/25 9:57	PB168485

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	100		10	13.1	22.1	mg/kg FE054436.D
Aliphatic C9-C28	Aliphatic C9-C28	74.8		1	1.01	4.44	mg/kg FE054417.D
Total AliphaticEPH	Total AliphaticEPH	175			14.1	26.5	mg/kg
Total EPH	Total EPH	175			14.1	26.5	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
FE054417.D	1	06/16/25	06/16/25	PB168485

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	74.8		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	105	E	1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.9		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2323-01	Acq On:	16 Jun 2025 21:18
Client Sample ID:	PL-01-06132025	Operator:	YP\AJ
Data file:	FE054417.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	3.075	6.719	3548666	28.331	300	ug/ml
Aliphatic C12-C16	6.720	10.165	19723672	150.388	200	ug/ml
Aliphatic C16-C21	10.166	13.538	47612258	355.512	300	ug/ml
Aliphatic C21-C28	13.539	17.207	60990178	479.978	400	ug/ml
Aliphatic C28-C40	17.208	22.075	182730519	1420	600	ug/ml
Aliphatic EPH	3.075	22.075	314605293	2440		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	4853184	29.37		ug/ml
1-chlorooctadecane (SURR)	13.273	13.273	4984654	40.88		ug/ml
Aliphatic C9-C28	3.075	17.207	131874774	1010	1200	ug/ml