

Report of Analysis

Client:	PSEG	Date Collected:	11/21/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	01/21/25
Client Sample ID:	PL-1-012125-E2	SDG No.:	Q1142
Lab Sample ID:	Q1142-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
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
01/22/25 08:25	01/22/25 17:38	PB166164

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.6		1	1.94	2.16	mg/kg	FE052003.D
Aliphatic C9-C28	Aliphatic C9-C28	2.48	J	1	1.86	4.32	mg/kg	FE052003.D
Total AliphaticEPH	Total AliphaticEPH	20.1			3.80	6.48	mg/kg	
Total EPH	Total EPH	20.1			3.80	6.48	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052003.D	1	01/22/25	01/22/25	PB166164

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.48	J	1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.6		1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.1		40 - 140	44%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.9		40 - 140	44%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1142-04	Acq On:	22 Jan 2025 17:38
Client Sample ID:	PL-1-012125-E2	Operator:	YP\AJ
Data file:	FE052003.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.576	7.131	431624	3.936	300	ug/ml
Aliphatic C12-C16	7.132	10.531	608600	5.021	200	ug/ml
Aliphatic C16-C21	10.532	13.875	3862174	29.44	300	ug/ml
Aliphatic C21-C28	13.876	17.519	1137065	8.61	400	ug/ml
Aliphatic C28-C40	17.520	22.538	26176793	243.977	600	ug/ml
Aliphatic EPH	3.576	22.538	32216256	290.984		ug/ml
ortho-Terphenyl (SURR)	12.202	12.202	3126638	21.88		ug/ml
1-chlorooctadecane (SURR)	13.616	13.616	2536729	22.11		ug/ml
Aliphatic C9-C28	3.576	17.519	6039463	47.007	1200	ug/ml