

Report of Analysis

Client:	PSEG	Date Collected:	09/25/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	09/25/25
Client Sample ID:	PL-02-092525-E2	SDG No.:	Q3209
Lab Sample ID:	Q3209-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/26/25 09:35	09/29/25 12:19	PB169859

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	77.2		5	6.51	11.0	mg/kg	FE056041.D
Aliphatic C9-C28	Aliphatic C9-C28	87.4		1	1.00	4.41	mg/kg	FE056037.D
Total AliphaticEPH	Total AliphaticEPH	165			7.51	15.4	mg/kg	
Total EPH	Total EPH	165			7.51	15.4	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056037.D	1	09/26/25	09/29/25	PB169859

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	87.4		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.1	E	1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.1		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3209-02	Acq On:	29 Sep 2025 10:18
Client Sample ID:	PL-02-092525-E2	Operator:	YP\AJ
Data file:	FE056037.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	4611029	32.929	300	ug/ml
Aliphatic C12-C16	6.947	10.396	51961795	338.786	200	ug/ml
Aliphatic C16-C21	10.397	13.773	82806251	499.194	300	ug/ml
Aliphatic C21-C28	13.774	17.443	47154933	317.484	400	ug/ml
Aliphatic C28-C40	17.444	22.449	100267460	735.898	600	ug/ml
Aliphatic EPH	3.315	22.449	286801468	1920		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5093088	27.14		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	5583615	40.01		ug/ml
Aliphatic C9-C28	3.315	17.443	186534008	1190	1200	ug/ml