

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	SDG No.:	Q3209
Lab Sample ID:	Q3209-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
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
09/26/25 09:35	09/29/25 11:49	PB169859

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	73.5		10	13.1	22.3	mg/kg FE056040.D
Aliphatic C9-C28	Aliphatic C9-C28	42.0		1	1.01	4.45	mg/kg FE056036.D
Total AliphaticEPH	Total AliphaticEPH	115			14.1	26.8	mg/kg
Total EPH	Total EPH	115			14.1	26.8	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056036.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	42.0		1.01	4.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	52.4	E	1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.8		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.2		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3209-01	Acq On:	29 Sep 2025 09:47
Client Sample ID:	PL-02-092525	Operator:	YP\AJ
Data file:	FE056036.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	1238423	8.844	300	ug/ml
Aliphatic C12-C16	6.947	10.396	19825548	129.261	200	ug/ml
Aliphatic C16-C21	10.397	13.773	35202592	212.218	300	ug/ml
Aliphatic C21-C28	13.774	17.443	31854591	214.47	400	ug/ml
Aliphatic C28-C40	17.444	22.449	96072739	705.111	600	ug/ml
Aliphatic EPH	3.315	22.449	184193893	1270		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	6410407	34.16		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	6248587	44.77		ug/ml
Aliphatic C9-C28	3.315	17.443	88121154	564.793	1200	ug/ml