

Report of Analysis

Client:	PSEG	Date Collected:	08/15/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	08/15/25
Client Sample ID:	PL-02-081525-E2	SDG No.:	Q2889
Lab Sample ID:	Q2889-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/19/25 08:05	08/20/25 8:00	PB169296

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	48.2		2	2.59	4.39	mg/kg	FE055398.D
Aliphatic C9-C28	Aliphatic C9-C28	3.92	J	1	1.00	4.39	mg/kg	FE055386.D
Total AliphaticEPH	Total AliphaticEPH	52.1			3.59	8.78	mg/kg	
Total EPH	Total EPH	52.1			3.59	8.78	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
FE055386.D	1	08/19/25	08/19/25	PB169296

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.92	J	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	49.9	E	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2889-02	Acq On:	19 Aug 2025 16:32
Client Sample ID:	PL-02-081525-E2	Operator:	YP\AJ
Data file:	FE055386.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.951	539322	4.618	300	ug/ml
Aliphatic C12-C16	6.952	10.402	1465888	11.706	200	ug/ml
Aliphatic C16-C21	10.403	13.781	1821678	14.411	300	ug/ml
Aliphatic C21-C28	13.782	17.453	2761979	22.92	400	ug/ml
Aliphatic C28-C40	17.454	22.471	77815700	682.671	600	ug/ml
Aliphatic EPH	3.317	22.471	84404567	736.326		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	4383147	30.69		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	3451621	32.1		ug/ml
Aliphatic C9-C28	3.317	17.453	6588867	53.655	1200	ug/ml