

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	06/27/25
Client Sample ID:	PL-2-062725-E2	SDG No.:	Q2450
Lab Sample ID:	Q2450-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.3
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
06/30/25 08:50	07/01/25 11:11	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	143		10	12.9	21.8	mg/kg FE054652.D
Aliphatic C9-C28	Aliphatic C9-C28	227		10	9.94	43.7	mg/kg FE054652.D
Total AliphaticEPH	Total AliphaticEPH	370			22.8	65.5	mg/kg
Total EPH	Total EPH	370			22.8	65.5	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054634.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	209	E	0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	121	E	1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.4		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2450-02	Acq On:	30 Jun 2025 18:27
Client Sample ID:	PL-2-062725-E2	Operator:	YP\AJ
Data file:	FE054634.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	2669787	19.623	300	ug/ml
Aliphatic C12-C16	6.950	10.397	20428549	145.328	200	ug/ml
Aliphatic C16-C21	10.398	13.771	157012255	1090	300	ug/ml
Aliphatic C21-C28	13.772	17.439	235958095	1630	400	ug/ml
Aliphatic C28-C40	17.440	22.445	231155043	1670	600	ug/ml
Aliphatic EPH	3.322	22.445	647223729	4550		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	4181273	25.75		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	7254423	57.44		ug/ml
Aliphatic C9-C28	3.322	17.439	416068686	2880	1200	ug/ml