

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	04/02/25
Client Sample ID:	PL-02-040225	SDG No.:	Q1706
Lab Sample ID:	Q1706-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/03/25 10:09	04/04/25 10:35	PB167440

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	56.1		2	2.64	4.47	mg/kg	FE053186.D
Aliphatic C9-C28	Aliphatic C9-C28	35.8		1	1.02	4.48	mg/kg	FE053175.D
Total AliphaticEPH	Total AliphaticEPH	91.9			3.66	8.95	mg/kg	
Total EPH	Total EPH	91.9			3.66	8.95	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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Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053175.D	1	04/03/25	04/03/25	PB167440

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	35.8		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	57.6	E	1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1706-03	Acq On:	03 Apr 2025 21:56
Client Sample ID:	PL-02-040225	Operator:	YP\AJ
Data file:	FE053175.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.779	6959256	44.601	300	ug/ml
Aliphatic C12-C16	6.780	10.229	25951715	168.922	200	ug/ml
Aliphatic C16-C21	10.230	13.605	22282255	154.376	300	ug/ml
Aliphatic C21-C28	13.606	17.275	15006554	111.7	400	ug/ml
Aliphatic C28-C40	17.276	22.175	95985696	772.48	600	ug/ml
Aliphatic EPH	3.138	22.175	166185476	1250		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	4664914	28.64		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	3721304	31		ug/ml
Aliphatic C9-C28	3.138	17.275	70199780	479.599	1200	ug/ml