

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-01-040225-E2	SDG No.:	Q1706
Lab Sample ID:	Q1706-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.05 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 10:05	PB167440

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	61.6		2	2.63	4.45	mg/kg	FE053185.D
Aliphatic C9-C28	Aliphatic C9-C28	16.5		1	1.01	4.44	mg/kg	FE053174.D
Total AliphaticEPH	Total AliphaticEPH	78.1			3.64	8.89	mg/kg	
Total EPH	Total EPH	78.1			3.64	8.89	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
FE053174.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	16.5		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	52.9	E	1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.6		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1706-02	Acq On:	03 Apr 2025 21:26
Client Sample ID:	PL-01-040225-E2	Operator:	YP\AJ
Data file:	FE053174.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.779	5525492	35.413	300	ug/ml
Aliphatic C12-C16	6.780	10.229	6919994	45.043	200	ug/ml
Aliphatic C16-C21	10.230	13.605	7937082	54.99	300	ug/ml
Aliphatic C21-C28	13.606	17.275	11702259	87.104	400	ug/ml
Aliphatic C28-C40	17.276	22.175	88568423	712.786	600	ug/ml
Aliphatic EPH	3.138	22.175	120653250	935.336		ug/ml
ortho-Terphenyl (SURR)	11.893	11.893	5454846	33.49		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	4272656	35.59		ug/ml
Aliphatic C9-C28	3.138	17.275	32084827	222.55	1200	ug/ml