

Report of Analysis

Client:	PSEG	Date Collected:	01/17/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	01/17/25
Client Sample ID:	TR-04-1172025	SDG No.:	Q1133
Lab Sample ID:	Q1133-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/20/25 09:37	01/21/25 12:49	PB166126

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	91.3		5	9.83	10.9	mg/kg	FE051988.D
Aliphatic C9-C28	Aliphatic C9-C28	10.6		1	1.88	4.37	mg/kg	FE051974.D
Total AliphaticEPH	Total AliphaticEPH	102			11.7	15.3	mg/kg	
Total EPH	Total EPH	102			11.7	15.3	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
FE051974.D	1	01/20/25	01/20/25	PB166126

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.6		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	90.3	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.2		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.6		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1133-01	Acq On:	20 Jan 2025 18:48
Client Sample ID:	TR-04-1172025	Operator:	YP\AJ
Data file:	FE051974.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.522	7.102	1753740	15.994	300	ug/ml
Aliphatic C12-C16	7.103	10.519	4527133	37.348	200	ug/ml
Aliphatic C16-C21	10.520	13.873	4234070	32.275	300	ug/ml
Aliphatic C21-C28	13.874	17.523	7821297	59.226	400	ug/ml
Aliphatic C28-C40	17.524	22.562	132936579	1240	600	ug/ml
Aliphatic EPH	3.522	22.562	151272819	1380		ug/ml
ortho-Terphenyl (SURR)	12.222	12.222	3222977	22.55		ug/ml
1-chlorooctadecane (SURR)	13.640	13.640	3005276	26.2		ug/ml
Aliphatic C9-C28	3.522	17.523	18336240	144.843	1200	ug/ml