

Report of Analysis

Client:	PSEG	Date Collected:	07/16/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	07/16/25
Client Sample ID:	TR-05-07162025	SDG No.:	Q2621
Lab Sample ID:	Q2621-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/17/25 09:00	07/17/25 19:54	PB168898

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1	1.25	2.12	mg/kg	FE054911.D
Aliphatic C9-C28	Aliphatic C9-C28	5.93		1	0.97	4.24	mg/kg	FE054911.D
Total AliphaticEPH	Total AliphaticEPH	27.2			2.21	6.36	mg/kg	
Total EPH	Total EPH	27.2			2.21	6.36	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054911.D	1	07/17/25	07/17/25	PB168898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.93		0.97	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.5		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2621-01	Acq On:	17 Jul 2025 19:54
Client Sample ID:	TR-05-07162025	Operator:	YP\AJ
Data file:	FE054911.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.327	6.962	438577	3.224	300	ug/ml
Aliphatic C12-C16	6.963	10.415	1536942	10.934	200	ug/ml
Aliphatic C16-C21	10.416	13.794	4210957	29.163	300	ug/ml
Aliphatic C21-C28	13.795	17.464	5875580	40.619	400	ug/ml
Aliphatic C28-C40	17.465	22.496	41709515	300.831	600	ug/ml
Aliphatic EPH	3.327	22.496	53771571	384.771		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	4777609	29.42		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	3852263	30.5		ug/ml
Aliphatic C9-C28	3.327	17.464	12062056	83.94	1200	ug/ml