

Report of Analysis

Client:	PSEG	Date Collected:	05/14/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	05/14/25
Client Sample ID:	TR-05-05142025	SDG No.:	Q2039
Lab Sample ID:	Q2039-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
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
05/15/25 09:30	05/15/25 20:42	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4.67		1	1.40	2.37	mg/kg FE053856.D
Aliphatic C9-C28	Aliphatic C9-C28	7.63		1	1.08	4.73	mg/kg FE053856.D
Total AliphaticEPH	Total AliphaticEPH	12.3			2.48	7.10	mg/kg
Total EPH	Total EPH	12.3			2.48	7.10	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

Report of Analysis

Client:	PSEG	Date Collected:	05/14/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	05/14/25
Client Sample ID:	TR-05-05142025	SDG No.:	Q2039
Lab Sample ID:	Q2039-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
Sample Wt/Vol:	30.06 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
FE053856.D	1	05/15/25	05/15/25	PB168018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.63		1.08	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.67		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.8		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.7		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2039-01	Acq On:	15 May 2025 20:42
Client Sample ID:	TR-05-05142025	Operator:	YP\AJ
Data file:	FE053856.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.743	649165	4.789	300	ug/ml
Aliphatic C12-C16	6.744	10.192	2367670	17.546	200	ug/ml
Aliphatic C16-C21	10.193	13.567	8308352	62.985	300	ug/ml
Aliphatic C21-C28	13.568	17.235	1419807	11.434	400	ug/ml
Aliphatic C28-C40	17.236	22.117	6828735	59.159	600	ug/ml
Aliphatic EPH	3.101	22.117	19573729	155.912		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	6294177	38.73		ug/ml
1-chlorooctadecane (SURR)	13.295	13.295	4841351	40.84		ug/ml
Aliphatic C9-C28	3.101	17.235	12744994	96.754	1200	ug/ml