

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-E2	SDG No.:	Q2039
Lab Sample ID:	Q2039-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.03 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 21:13	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.91		1	1.34	2.27	mg/kg	FE053857.D
Aliphatic C9-C28	Aliphatic C9-C28	18.0		1	1.03	4.53	mg/kg	FE053857.D
Total AliphaticEPH	Total AliphaticEPH	26.9			2.37	6.80	mg/kg	
Total EPH	Total EPH	26.9			2.37	6.80	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-E2	SDG No.:	Q2039
Lab Sample ID:	Q2039-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.03 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
FE053857.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	18.0		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.91		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.7		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2039-02	Acq On:	15 May 2025 21:13
Client Sample ID:	TR-05-05142025-E2	Operator:	YP\AJ
Data file:	FE053857.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	3.101	6.743	2844105	20.98	300	ug/ml
Aliphatic C12-C16	6.744	10.192	15546334	115.208	200	ug/ml
Aliphatic C16-C21	10.193	13.567	11231611	85.145	300	ug/ml
Aliphatic C21-C28	13.568	17.235	2114541	17.028	400	ug/ml
Aliphatic C28-C40	17.236	22.117	13627206	118.055	600	ug/ml
Aliphatic EPH	3.101	22.117	45363797	356.417		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	5969936	36.74		ug/ml
1-chlorooctadecane (SURR)	13.296	13.296	4480918	37.8		ug/ml
Aliphatic C9-C28	3.101	17.235	31736591	238.361	1200	ug/ml