

Report of Analysis

Client:	PSEG	Date Collected:	05/29/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	05/29/25
Client Sample ID:	TR-04-0592025	SDG No.:	Q2153
Lab Sample ID:	Q2153-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/30/25 08:00	06/03/25 9:14	PB168210

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	55.0		5	6.53	11.1	mg/kg	FE054145.D
Aliphatic C9-C28	Aliphatic C9-C28	4.92		1	1.01	4.44	mg/kg	FE054107.D
Total AliphaticEPH	Total AliphaticEPH	59.9			7.54	15.5	mg/kg	
Total EPH	Total EPH	59.9			7.54	15.5	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
FE054107.D	1	05/30/25	05/30/25	PB168210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.92		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	51.0	E	1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.3		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2153-01	Acq On:	30 May 2025 19:33
Client Sample ID:	TR-04-0592025	Operator:	YP\AJ
Data file:	FE054107.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	3.091	6.737	322702	2.38	300	ug/ml
Aliphatic C12-C16	6.738	10.186	1267117	9.39	200	ug/ml
Aliphatic C16-C21	10.187	13.562	2828317	21.441	300	ug/ml
Aliphatic C21-C28	13.563	17.233	4156150	33.47	400	ug/ml
Aliphatic C28-C40	17.234	22.117	79733025	690.743	600	ug/ml
Aliphatic EPH	3.091	22.117	88307311	757.424		ug/ml
ortho-Terphenyl (SURR)	11.840	11.840	4638965	28.55		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	3710769	31.3		ug/ml
Aliphatic C9-C28	3.091	17.233	8574286	66.681	1200	ug/ml