

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	08/13/25
Client Sample ID:	Tr-5-081325	SDG No.:	Q2853
Lab Sample ID:	Q2853-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/15/25 17:24	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	101		5	6.07	10.3	mg/kg FE055332.D
Aliphatic C9-C28	Aliphatic C9-C28	144		5	4.68	20.6	mg/kg FE055332.D
Total AliphaticEPH	Total AliphaticEPH	245			10.8	30.9	mg/kg
Total EPH	Total EPH	245			10.8	30.9	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055306.D	1	08/14/25	08/14/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	130	E	0.94	4.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	90.2	E	1.21	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.4		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.0		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2853-01	Acq On:	14 Aug 2025 18:31
Client Sample ID:	Tr-5-081325	Operator:	YP\AJ
Data file:	FE055306.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	8743124	74.867	300	ug/ml
Aliphatic C12-C16	6.960	10.413	103369298	825.455	200	ug/ml
Aliphatic C16-C21	10.414	13.792	107012348	846.584	300	ug/ml
Aliphatic C21-C28	13.793	17.465	18367952	152.424	400	ug/ml
Aliphatic C28-C40	17.466	22.492	149884807	1310	600	ug/ml
Aliphatic EPH	3.325	22.492	387377529	3210		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	6139471	42.99		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	4131253	38.42		ug/ml
Aliphatic C9-C28	3.325	17.465	237492722	1900	1200	ug/ml