

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-E2	SDG No.:	Q2853
Lab Sample ID:	Q2853-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/15/25 17:55	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	195		5	6.12	10.4	mg/kg	FE055333.D
Aliphatic C9-C28	Aliphatic C9-C28	39.0		1	0.94	4.15	mg/kg	FE055307.D
Total AliphaticEPH	Total AliphaticEPH	234			7.06	14.6	mg/kg	
Total EPH	Total EPH	234			7.06	14.6	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055307.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	39.0		0.94	4.15	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	165	E	1.22	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.3		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.0		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2853-02	Acq On:	14 Aug 2025 19:01
Client Sample ID:	Tr-5-081325-E2	Operator:	YP\AJ
Data file:	FE055307.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	2373269	20.322	300	ug/ml
Aliphatic C12-C16	6.960	10.413	27723517	221.386	200	ug/ml
Aliphatic C16-C21	10.414	13.792	28691223	226.979	300	ug/ml
Aliphatic C21-C28	13.793	17.465	11446837	94.99	400	ug/ml
Aliphatic C28-C40	17.466	22.492	273373933	2400	600	ug/ml
Aliphatic EPH	3.325	22.492	343608779	2960		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	3715761	26.02		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	2717327	25.27		ug/ml
Aliphatic C9-C28	3.325	17.465	70234846	563.677	1200	ug/ml