

Report of Analysis

Client:	PSEG	Date Collected:	09/18/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	09/18/25
Client Sample ID:	TR-04-091825-E2	SDG No.:	Q3140
Lab Sample ID:	Q3140-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
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
09/19/25 08:55	09/22/25 11:59	PB169750

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	68.1		2	2.72	4.61	mg/kg	FE055919.D
Aliphatic C9-C28	Aliphatic C9-C28	13.7		1	1.05	4.61	mg/kg	FE055908.D
Total AliphaticEPH	Total AliphaticEPH	81.8			3.77	9.22	mg/kg	
Total EPH	Total EPH	81.8			3.77	9.22	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
FE055908.D	1	09/19/25	09/19/25	PB169750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	13.7		1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	62.5	E	1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.3		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3140-02	Acq On:	19 Sep 2025 18:58
Client Sample ID:	TR-04-091825-E2	Operator:	YP\AJ
Data file:	FE055908.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	3.311	6.947	2565620	19.981	300	ug/ml
Aliphatic C12-C16	6.948	10.401	7422080	54.94	200	ug/ml
Aliphatic C16-C21	10.402	13.781	8085830	56.067	300	ug/ml
Aliphatic C21-C28	13.782	17.454	6833563	47.709	400	ug/ml
Aliphatic C28-C40	17.455	22.471	111973070	813.051	600	ug/ml
Aliphatic EPH	3.311	22.471	136880163	991.747		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5057192	30.78		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	3908992	31.26		ug/ml
Aliphatic C9-C28	3.311	17.454	24907093	178.697	1200	ug/ml