

Report of Analysis

Client:	PSEG	Date Collected:	09/03/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	09/03/25
Client Sample ID:	TR-04-090325	SDG No.:	Q3009
Lab Sample ID:	Q3009-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/05/25 09:30	09/08/25 10:12	PB169567

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	93.7		5	6.08	10.3	mg/kg FE055710.D
Aliphatic C9-C28	Aliphatic C9-C28	114		5	4.69	20.6	mg/kg FE055710.D
Total AliphaticEPH	Total AliphaticEPH	208			10.8	30.9	mg/kg
Total EPH	Total EPH	208			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055694.D	1	09/05/25	09/05/25	PB169567

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	104	E	0.94	4.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	82.8	E	1.22	2.06	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.9		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3009-01	Acq On:	05 Sep 2025 17:39
Client Sample ID:	TR-04-090325	Operator:	YP\AJ
Data file:	FE055694.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	6.945	11937515	92.969	300	ug/ml
Aliphatic C12-C16	6.946	10.397	90687103	671.283	200	ug/ml
Aliphatic C16-C21	10.398	13.775	88202774	611.597	300	ug/ml
Aliphatic C21-C28	13.776	17.446	19101691	133.358	400	ug/ml
Aliphatic C28-C40	17.447	22.456	165925431	1200	600	ug/ml
Aliphatic EPH	3.311	22.456	375854514	2710		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5738697	34.93		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4877375	39		ug/ml
Aliphatic C9-C28	3.311	17.446	209929083	1510	1200	ug/ml