

Report of Analysis

Client:	PSEG	Date Collected:	09/25/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	09/25/25
Client Sample ID:	TR-06-092525	SDG No.:	Q3206
Lab Sample ID:	Q3206-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/26/25 09:35	09/29/25 16:23	PB169859

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	36.9		1	1.32	2.24	mg/kg	FE056048.D
Aliphatic C9-C28	Aliphatic C9-C28	12.8		1	1.02	4.48	mg/kg	FE056048.D
Total AliphaticEPH	Total AliphaticEPH	49.7			2.34	6.72	mg/kg	
Total EPH	Total EPH	49.7			2.34	6.72	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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Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056048.D	1	09/26/25	09/29/25	PB169859

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.8		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.9		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3206-01	Acq On:	29 Sep 2025 16:23
Client Sample ID:	TR-06-092525	Operator:	YP\AJ
Data file:	FE056048.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	3.315	6.946	962664	6.875	300	ug/ml
Aliphatic C12-C16	6.947	10.396	4703353	30.665	200	ug/ml
Aliphatic C16-C21	10.397	13.773	12970262	78.191	300	ug/ml
Aliphatic C21-C28	13.774	17.443	8211477	55.286	400	ug/ml
Aliphatic C28-C40	17.444	22.449	67265173	493.682	600	ug/ml
Aliphatic EPH	3.315	22.449	94112929	664.699		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	5972983	31.83		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	5003866	35.85		ug/ml
Aliphatic C9-C28	3.315	17.443	26847756	171.017	1200	ug/ml