

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB168980BS	SDG No.:	Q2674
Lab Sample ID:	PB168980BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/23/25 11:20	07/23/25 16:37	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.6		1	1.18	2.00	mg/kg	FC069510.D
Aliphatic C9-C28	Aliphatic C9-C28	77.5		1	0.91	4.00	mg/kg	FC069510.D
Total AliphaticEPH	Total AliphaticEPH	109			2.09	6.00	mg/kg	
Total EPH	Total EPH	109			2.09	6.00	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
FC069510.D	1	07/23/25	07/23/25	PB168980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	77.5		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168980BS	Acq On:	23 Jul 2025 16:37
Client Sample ID:	PB168980BS	Operator:	YP/AJ
Data file:	FC069510.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	28397454	204.299	300	ug/ml
Aliphatic C12-C16	6.598	9.999	37867671	262.836	200	ug/ml
Aliphatic C16-C21	10.000	13.366	41753341	307.017	300	ug/ml
Aliphatic C21-C28	13.367	17.030	46199408	388.266	400	ug/ml
Aliphatic C28-C40	17.031	22.001	42607560	474.033	600	ug/ml
Aliphatic EPH	3.301	22.001	196825434	1640		ug/ml
ortho-Terphenyl (SURR)	11.668	11.668	6113895	41.2		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4858009	42.99		ug/ml
Aliphatic C9-C28	3.301	17.030	154217874	1160	1200	ug/ml