

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	04/24/25
Client Sample ID:	TR-4-042425	SDG No.:	Q1878
Lab Sample ID:	Q1878-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.9
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
04/25/25 08:45	04/25/25 20:01	PB167736

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	36.5		1	1.19	2.02	mg/kg	FE053535.D
Aliphatic C9-C28	Aliphatic C9-C28	18.7		1	0.92	4.04	mg/kg	FE053535.D
Total AliphaticEPH	Total AliphaticEPH	55.2			2.11	6.06	mg/kg	
Total EPH	Total EPH	55.2			2.11	6.06	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
FE053535.D	1	04/25/25	04/25/25	PB167736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	18.7		0.92	4.04	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.5		1.19	2.02	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.4		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1878-01	Acq On:	25 Apr 2025 20:01
Client Sample ID:	TR-4-042425	Operator:	YP\AJ
Data file:	FE053535.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.758	1591578	11.486	300	ug/ml
Aliphatic C12-C16	6.759	10.207	18184421	128.234	200	ug/ml
Aliphatic C16-C21	10.208	13.582	13671520	94.05	300	ug/ml
Aliphatic C21-C28	13.583	17.248	6284244	44.201	400	ug/ml
Aliphatic C28-C40	17.249	22.139	69954473	542.076	600	ug/ml
Aliphatic EPH	3.117	22.139	109686236	820.048		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	4845016	26.86		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	3706671	27.42		ug/ml
Aliphatic C9-C28	3.117	17.248	39731763	277.971	1200	ug/ml