

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-E2	SDG No.:	Q1878
Lab Sample ID:	Q1878-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
Sample Wt/Vol:	30.03 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	04/28/25 10:43	PB167736

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	55.9		2	2.49	4.22	mg/kg	FE053542.D
Aliphatic C9-C28	Aliphatic C9-C28	18.5		1	0.96	4.23	mg/kg	FE053536.D
Total AliphaticEPH	Total AliphaticEPH	74.4			3.45	8.45	mg/kg	
Total EPH	Total EPH	74.4			3.45	8.45	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
FE053536.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	18.5		0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.1	E	1.25	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1878-02	Acq On:	25 Apr 2025 20:31
Client Sample ID:	TR-4-042425-E2	Operator:	YP\AJ
Data file:	FE053536.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.758	2310085	16.672	300	ug/ml
Aliphatic C12-C16	6.759	10.207	16111428	113.616	200	ug/ml
Aliphatic C16-C21	10.208	13.582	11934056	82.098	300	ug/ml
Aliphatic C21-C28	13.583	17.248	7102739	49.958	400	ug/ml
Aliphatic C28-C40	17.249	22.139	110081092	853.017	600	ug/ml
Aliphatic EPH	3.117	22.139	147539400	1120		ug/ml
ortho-Terphenyl (SURR)	11.872	11.872	5030511	27.89		ug/ml
1-chlorooctadecane (SURR)	13.317	13.317	3968658	29.36		ug/ml
Aliphatic C9-C28	3.117	17.248	37458308	262.344	1200	ug/ml