

Report of Analysis

Client:	PSEG	Date Collected:	03/14/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	03/14/25
Client Sample ID:	TR-06-031425	SDG No.:	Q1581
Lab Sample ID:	Q1581-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
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
03/17/25 09:40	03/18/25 8:00	PB167158

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	53.2		2	2.53	4.28	mg/kg	FE052835.D
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1	0.97	4.28	mg/kg	FE052823.D
Total AliphaticEPH	Total AliphaticEPH	63.4			3.50	8.56	mg/kg	
Total EPH	Total EPH	63.4			3.50	8.56	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
FE052823.D	1	03/17/25	03/17/25	PB167158

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.2		0.97	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	47.8	E	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.3		40 - 140	44%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.2		40 - 140	42%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1581-01	Acq On:	17 Mar 2025 16:28
Client Sample ID:	TR-06-031425	Operator:	YP\AJ
Data file:	FE052823.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	1791714	11.489	300	ug/ml
Aliphatic C12-C16	6.792	10.243	5711050	37.548	200	ug/ml
Aliphatic C16-C21	10.244	13.622	6310798	43.063	300	ug/ml
Aliphatic C21-C28	13.623	17.297	7248061	50.881	400	ug/ml
Aliphatic C28-C40	17.298	22.224	85516331	670.248	600	ug/ml
Aliphatic EPH	3.148	22.224	106577954	813.229		ug/ml
ortho-Terphenyl (SURR)	11.908	11.908	3571809	21.19		ug/ml
1-chlorooctadecane (SURR)	13.353	13.353	2701499	22.25		ug/ml
Aliphatic C9-C28	3.148	17.297	21061623	142.981	1200	ug/ml