

Report of Analysis

Client:	PSEG	Date Collected:	12/18/24
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	12/18/24
Client Sample ID:	TR-06-12182024-E2	SDG No.:	P5339
Lab Sample ID:	P5339-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.9
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 09:10	12/19/24 15:30	PB165749

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	25.3		1	1.98	2.20	mg/kg FE051715.D
Aliphatic C9-C28	Aliphatic C9-C28	5.93		1	1.89	4.39	mg/kg FE051715.D
Total AliphaticEPH	Total AliphaticEPH	31.2			3.87	6.59	mg/kg
Total EPH	Total EPH	31.2			3.87	6.59	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
FE051715.D	1	12/19/24	12/19/24	PB165749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.93		1.89	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.3		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.8		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5339-02	Acq On:	19 Dec 2024 15:30
Client Sample ID:	TR-06-12182024-E2	Operator:	YP\AJ
Data file:	FE051715.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	3.381	6.952	551177	4.418	300	ug/ml
Aliphatic C12-C16	6.953	10.358	1164198	8.406	200	ug/ml
Aliphatic C16-C21	10.359	13.700	3725946	25.792	300	ug/ml
Aliphatic C21-C28	13.701	17.331	6375129	46.761	400	ug/ml
Aliphatic C28-C40	17.332	22.209	37485224	345.277	600	ug/ml
Aliphatic EPH	3.381	22.209	49301674	430.654		ug/ml
ortho-Terphenyl (SURR)	12.018	12.018	4776161	29.75		ug/ml
1-chlorooctadecane (SURR)	13.438	13.438	4056217	32.15		ug/ml
Aliphatic C9-C28	3.381	17.331	11816450	85.377	1200	ug/ml