

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	SDG No.:	P5339
Lab Sample ID:	P5339-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
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
12/19/24 09:10	12/19/24 15:01	PB165749

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	31.0		1	2.08	2.31	mg/kg FE051714.D
Aliphatic C9-C28	Aliphatic C9-C28	11.7		1	1.99	4.63	mg/kg FE051714.D
Total AliphaticEPH	Total AliphaticEPH	42.7			4.07	6.94	mg/kg
Total EPH	Total EPH	42.7			4.07	6.94	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051714.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	11.7		1.99	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.0		2.08	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.3		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5339-01	Acq On:	19 Dec 2024 15:01
Client Sample ID:	TR-06-12182024	Operator:	YP\AJ
Data file:	FE051714.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.381	6.952	575858	4.616	300	ug/ml
Aliphatic C12-C16	6.953	10.358	1352867	9.768	200	ug/ml
Aliphatic C16-C21	10.359	13.700	7144491	49.456	300	ug/ml
Aliphatic C21-C28	13.701	17.331	12620701	92.573	400	ug/ml
Aliphatic C28-C40	17.332	22.209	43666525	402.213	600	ug/ml
Aliphatic EPH	3.381	22.209	65360442	558.625		ug/ml
ortho-Terphenyl (SURR)	12.017	12.017	5504489	34.29		ug/ml
1-chlorooctadecane (SURR)	13.438	13.438	4732074	37.51		ug/ml
Aliphatic C9-C28	3.381	17.331	21693917	156.413	1200	ug/ml