

Report of Analysis

Client:	PSEG	Date Collected:	12/04/24
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	12/04/24
Client Sample ID:	TR-04-12042024	SDG No.:	P5098
Lab Sample ID:	P5098-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
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
12/05/24 09:55	12/06/24 10:53	PB165385

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	56.6		5	9.86	11.0	mg/kg FE051564.D
Aliphatic C9-C28	Aliphatic C9-C28	281		5	9.42	21.9	mg/kg FE051564.D
Total AliphaticEPH	Total AliphaticEPH	337			19.3	32.9	mg/kg
Total EPH	Total EPH	337			19.3	32.9	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
FE051557.D	1	12/05/24	12/05/24	PB165385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	259	E	1.89	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	50.8	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.5		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5098-01	Acq On:	05 Dec 2024 19:34
Client Sample ID:	TR-04-12042024	Operator:	YP\AJ
Data file:	FE051557.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.734	48416628	342.328	300	ug/ml
Aliphatic C12-C16	6.735	10.166	233773513	1660	200	ug/ml
Aliphatic C16-C21	10.167	13.525	183707391	1320	300	ug/ml
Aliphatic C21-C28	13.526	17.181	29352321	224.403	400	ug/ml
Aliphatic C28-C40	17.182	22.017	74439140	695.046	600	ug/ml
Aliphatic EPH	3.120	22.017	569688993	4240		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	7482710	49.52		ug/ml
1-chlorooctadecane (SURR)	13.264	13.264	4195126	37.54		ug/ml
Aliphatic C9-C28	3.120	17.181	495249853	3550	1200	ug/ml