

Report of Analysis

Client:	PSEG	Date Collected:	12/26/24
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	12/26/24
Client Sample ID:	TR-05-122624-E2	SDG No.:	P5387
Lab Sample ID:	P5387-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
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
12/27/24 08:56	12/30/24 10:21	PB165873

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	83.9		5	10.2	11.3	mg/kg	FE051801.D
Aliphatic C9-C28	Aliphatic C9-C28	241		5	9.73	22.6	mg/kg	FE051801.D
Total AliphaticEPH	Total AliphaticEPH	325			19.9	33.9	mg/kg	
Total EPH	Total EPH	325			19.9	33.9	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
FE051792.D	1	12/27/24	12/27/24	PB165873

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	230	E	1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	74.7	E	2.04	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.2		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.8		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5387-02	Acq On:	27 Dec 2024 19:00
Client Sample ID:	TR-05-122624-E2	Operator:	YP\AJ
Data file:	FE051792.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	3.383	6.959	44742044	370.834	300	ug/ml
Aliphatic C12-C16	6.960	10.369	181798343	1370	200	ug/ml
Aliphatic C16-C21	10.370	13.712	154699846	1140	300	ug/ml
Aliphatic C21-C28	13.713	17.351	21689679	170.758	400	ug/ml
Aliphatic C28-C40	17.352	22.254	98893683	990.852	600	ug/ml
Aliphatic EPH	3.383	22.254	501823595	4040		ug/ml
ortho-Terphenyl (SURR)	12.045	12.045	5579415	36.84		ug/ml
1-chlorooctadecane (SURR)	13.466	13.466	3513002	30.2		ug/ml
Aliphatic C9-C28	3.383	17.351	402929912	3050	1200	ug/ml