

Report of Analysis

Client:	PSEG	Date Collected:	12/09/24
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	12/09/24
Client Sample ID:	TR-05-120924-E2	SDG No.:	P5223
Lab Sample ID:	P5223-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
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
12/10/24 09:15	12/10/24 17:35	PB165523

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	27.2		1	1.99	2.21	mg/kg FE051614.D
Aliphatic C9-C28	Aliphatic C9-C28	24.7		1	1.91	4.44	mg/kg FE051614.D
Total AliphaticEPH	Total AliphaticEPH	51.9			3.90	6.65	mg/kg
Total EPH	Total EPH	51.9			3.90	6.65	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
FE051614.D	1	12/10/24	12/10/24	PB165523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	24.7		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.2		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5223-02	Acq On:	10 Dec 2024 17:35
Client Sample ID:	TR-05-120924-E2	Operator:	YP\AJ
Data file:	FE051614.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.735	2570252	18.173	300	ug/ml
Aliphatic C12-C16	6.736	10.168	13693277	97.294	200	ug/ml
Aliphatic C16-C21	10.169	13.527	20418933	146.793	300	ug/ml
Aliphatic C21-C28	13.528	17.184	9501972	72.644	400	ug/ml
Aliphatic C28-C40	17.185	22.021	39446485	368.316	600	ug/ml
Aliphatic EPH	3.119	22.021	85630919	703.22		ug/ml
ortho-Terphenyl (SURR)	11.828	11.828	4279630	28.32		ug/ml
1-chlorooctadecane (SURR)	13.261	13.261	3448391	30.86		ug/ml
Aliphatic C9-C28	3.119	17.184	46184434	334.904	1200	ug/ml