

Report of Analysis

Client:	PSEG	Date Collected:	03/14/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	03/14/25
Client Sample ID:	TR-06-031425-E2	SDG No.:	Q1581
Lab Sample ID:	Q1581-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
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
03/17/25 09:40	03/18/25 8:30	PB167158

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	119		5	6.34	10.7	mg/kg FE052836.D
Aliphatic C9-C28	Aliphatic C9-C28	52.4		1	0.98	4.29	mg/kg FE052824.D
Total AliphaticEPH	Total AliphaticEPH	171			7.32	15.0	mg/kg
Total EPH	Total EPH	171			7.32	15.0	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
FE052824.D	1	03/17/25	03/17/25	PB167158

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	52.4		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	107	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.3		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1581-02	Acq On:	17 Mar 2025 16:58
Client Sample ID:	TR-06-031425-E2	Operator:	YP\AJ
Data file:	FE052824.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	12241619	78.498	300	ug/ml
Aliphatic C12-C16	6.792	10.243	49022268	322.306	200	ug/ml
Aliphatic C16-C21	10.244	13.622	33954083	231.692	300	ug/ml
Aliphatic C21-C28	13.623	17.297	14132075	99.206	400	ug/ml
Aliphatic C28-C40	17.298	22.224	191492285	1500	600	ug/ml
Aliphatic EPH	3.148	22.224	300842330	2230		ug/ml
ortho-Terphenyl (SURR)	11.910	11.910	4771365	28.3		ug/ml
1-chlorooctadecane (SURR)	13.355	13.355	3312319	27.28		ug/ml
Aliphatic C9-C28	3.148	17.297	109350045	731.702	1200	ug/ml