

Report of Analysis

Client:	PSEG	Date Collected:	01/13/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	01/13/25
Client Sample ID:	TR-05-01132025-E2	SDG No.:	Q1077
Lab Sample ID:	Q1077-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
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
01/14/25 08:55	01/14/25 17:42	PB166046

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	41.6		1	2.06	2.29	mg/kg	FE051921.D
Aliphatic C9-C28	Aliphatic C9-C28	90.4		1	1.97	4.56	mg/kg	FE051921.D
Total AliphaticEPH	Total AliphaticEPH	132			4.03	6.85	mg/kg	
Total EPH	Total EPH	132			4.03	6.85	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
FE051921.D	1	01/14/25	01/14/25	PB166046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	90.4		1.97	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.6		2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.2		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1077-02	Acq On:	14 Jan 2025 17:42
Client Sample ID:	TR-05-01132025-E2	Operator:	YP\AJ
Data file:	FE051921.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.470	7.060	12215110	107.25	300	ug/ml
Aliphatic C12-C16	7.061	10.484	56717973	457.645	200	ug/ml
Aliphatic C16-C21	10.485	13.843	60941018	461.597	300	ug/ml
Aliphatic C21-C28	13.844	17.400	20805100	158.826	400	ug/ml
Aliphatic C28-C40	17.401	22.524	59543288	545.545	600	ug/ml
Aliphatic EPH	3.470	22.524	210222489	1730		ug/ml
ortho-Terphenyl (SURR)	12.163	12.163	4525600	31.22		ug/ml
1-chlorooctadecane (SURR)	13.587	13.587	3980837	34.64		ug/ml
Aliphatic C9-C28	3.470	17.400	150679201	1190	1200	ug/ml