284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	02/03/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	02/03/25
Client Sample ID:	TR-05-020325	SDG No.:	Q1276
Lab Sample ID:	Q1276-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/04/25 08:15	02/04/25 14:06	PB166524

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.2		1	1.97	2.19	mg/kg	FE052218.D
Aliphatic C9-C28	Aliphatic C9-C28	5.78		1	1.88	4.37	mg/kg	FE052218.D
Total AliphaticEPH	Total AliphaticEPH	27.0			3.85	6.56	mg/kg	
Total EPH	Total EPH	27.0			3.85	6.56	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
FE052218.D	1	02/04/25	02/04/25	PB166524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.78		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.2		1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.9		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.7		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1276-01	Acq On:	04 Feb 2025 14:06
Client Sample ID:	TR-05-020325	Operator:	YP\AJ
Data file:	FE052218.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.618	7.187	1183571	12.305	300	ug/ml
Aliphatic C12-C16	7.188	10.597	1845885	17.628	200	ug/ml
Aliphatic C16-C21	10.598	13.950	2015965	17.837	300	ug/ml
Aliphatic C21-C28	13.951	17.598	3578080	31.387	400	ug/ml
Aliphatic C28-C40	17.599	22.669	26621293	290.773	600	ug/ml
Aliphatic EPH	3.618	22.669	35244794	369.93		ug/ml
ortho-Terphenyl (SURR)	12.276	12.276	3186336	25.74		ug/ml
1-chlorooctadecane (SURR)	13.691	13.691	2847284	28.85		ug/ml
Aliphatic C9-C28	3.618	17.598	8623501	79.157	1200	ug/ml