

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:	Q1276-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
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
02/04/25 08:15	02/04/25 14:36	PB166524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	31.4		1	2.00	2.23	mg/kg FE052219.D
Aliphatic C9-C28	Aliphatic C9-C28	11.2		1	1.91	4.44	mg/kg FE052219.D
Total AliphaticEPH	Total AliphaticEPH	42.6			3.91	6.67	mg/kg
Total EPH	Total EPH	42.6			3.91	6.67	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
FE052219.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	11.2		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.4		2.00	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.0		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1276-03	Acq On:	04 Feb 2025 14:36
Client Sample ID:	TR-05-020325	Operator:	YP\AJ
Data file:	FE052219.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	3.618	7.187	1572453	16.348	300	ug/ml
Aliphatic C12-C16	7.188	10.597	2792444	26.667	200	ug/ml
Aliphatic C16-C21	10.598	13.950	4780356	42.296	300	ug/ml
Aliphatic C21-C28	13.951	17.598	7473987	65.562	400	ug/ml
Aliphatic C28-C40	17.599	22.669	38714726	422.864	600	ug/ml
Aliphatic EPH	3.618	22.669	55333966	573.738		ug/ml
ortho-Terphenyl (SURR)	12.281	12.281	3532612	28.54		ug/ml
1-chlorooctadecane (SURR)	13.696	13.696	3355130	34		ug/ml
Aliphatic C9-C28	3.618	17.598	16619240	150.873	1200	ug/ml