

GC Application

ID No.: 14783

EPA Method 8260: Volatile Organics on ZB-624

Column: Zebron[™] ZB-624, GC Cap. Column 60 m x 0.25 mm x 1.40 µm, Ea

Phase: 6% Cyanopropylphenyl 94% Dimethylpolysiloxane

Dimensions: 60 meters x 0.25 mm x 1.4 µm

Order No: 7KG-G005-27

Oven Profile: 40°C for 2 min to 225°C at 10°C/min for 3.5 min

Carrier Gas: Constant Flow Helium, 1.1 mL/min

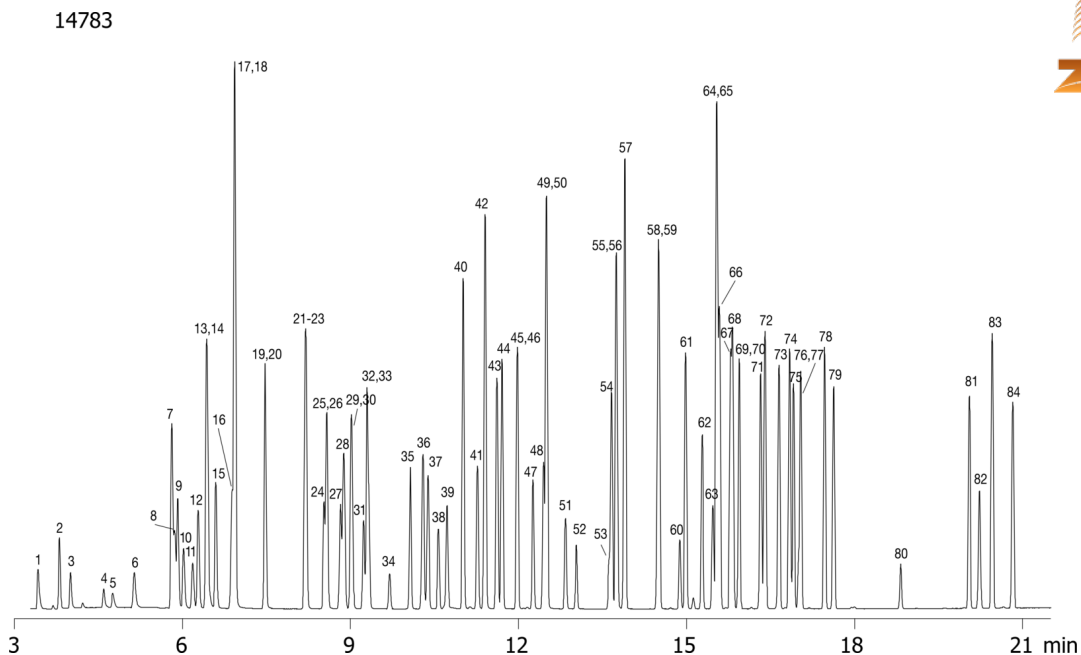
Injection: Purge and Trap 30:1 1 µL @ 250°C

Detection: Mass Selective (MSD) (180°C)

Analyst Note: The sample was introduced via a Tekmar 2000 Purge and Trap with the following settings. Purge time was 11.0



Products used in this application:



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ANALYTES:

1 Dichlorodifluoromethane	41 cis-1,3-Dichloropropene	81 1,2,4-Trichlorobenzene
2 Chloromethane	42 4-Methyl-2-Pentanone	82 Hexachlorobutadiene
3 Vinyl chloride	43 Toluene-d8	83 Naphthalene
4 Bromomethane	44 Toluene	84 1,2,3-Trichlorobenzene
5 Chloroethane	45 trans-1,3-Dichloropropene	
6 Trichlorofluoromethane	46 Ethyl methacrylate	
7 Acrolein	47 1,1,2-Trichloroethane	
8 1,1,2-Trichloro-1,2,2-trifluorome	48 Tetrachloroethene	
9 1,1-Dichloroethene	49 1,3-Dichloropropane	
10 Acetone	50 2-Hexanone	
11 Iodomethane	51 Dibromochloromethane	
12 Carbon disulfide	52 1,2-Dibromoethane	
13 Methyl acetate	53 Chlorobenzene-d5	
14 Acetonitrile	54 Chlorobenzene	
15 Methylene chloride	55 Ethylbenzene	
16 t-Butyl Methyl Ether	56 1,1,1,2-Tetrachloroethane	
17 trans-1,2-Dichloroethene	57 m/p-Xylene	
18 Acrylonitrile	58 o-Xylene	
19 1,1-Dichloroethane	59 Styrene	
20 Vinyl acetate	60 Bromoform	
21 2,2 Dichloropropane	61 Isopropylbenzene	
22 2-Butanone	62 p-Bromofluorobenzene	
23 cis-1,2-Dichloroethene	63 1,1,2,2-Tetrachloroethane	
24 Bromochloromethane	64 Bromobenzene	
25 Tetrahydrofuran	65 t-1,4-Dichloro-2-Butene	
26 Chloroform	66 1,2,3-Trichloropropane	
27 1,1,1-Trichloroethane	67 n-Propylbenzene	
28 Cyclohexane	68 1,3,5-Trimethylbenzene	
29 Carbon tetrachloride	69 2-Chlorotoluene	
30 1,1-Dichloropropene	70 4-Chlorotoluene	
31 1,2-Dichloroethane-d4	71 tert-Butylbenzene	
32 Benzene	72 1,2,4-Trimethylbenzene	
33 1,2-Dichloroethane	73 sec-Butylbenzene	
34 1,4-Difluorobenzene	74 4-Isopropyltoluene	
35 Trichloroethene	75 1,3-Dichlorobenzene	
36 Methylcyclohexane	76 1,4-Dichlorobenzene-d4	
37 1,2-Dichloropropane	77 1,4-Dichlorobenzene	
38 Dibromomethane	78 n-Butylbenzene	
39 Bromodichloromethane	79 1,2-Dichlorobenzene	
40 2-Chloroethyl vinyl ether	80 1,2-Dibromo-3-Chloropropane	

