

## EPA Method 525.2 on ZB-SemiVolatiles

**Column:** Zebron<sup>™</sup> ZB-SemiVolatiles, GC Cap. Column 30 m x 0.25 mm x 0.25  $\mu$ m, Ea

**Phase:** 5% Phenyl-Arylene 95% Dimethylpolysiloxane (Enviro-Inert)

**Dimensions:** 30 meters x 0.25 mm x 0.25  $\mu$ m

**Order No:** 7HG-G027-11

**Oven Profile:** 60 °C for 0.75 min to 180 °C @ 20 °C/min to 250 °C @ 10 °C/min to 310 °C @ 25 °C/min for 5 min.

**Carrier Gas:** Constant Flow Helium, 1.2 mL/min

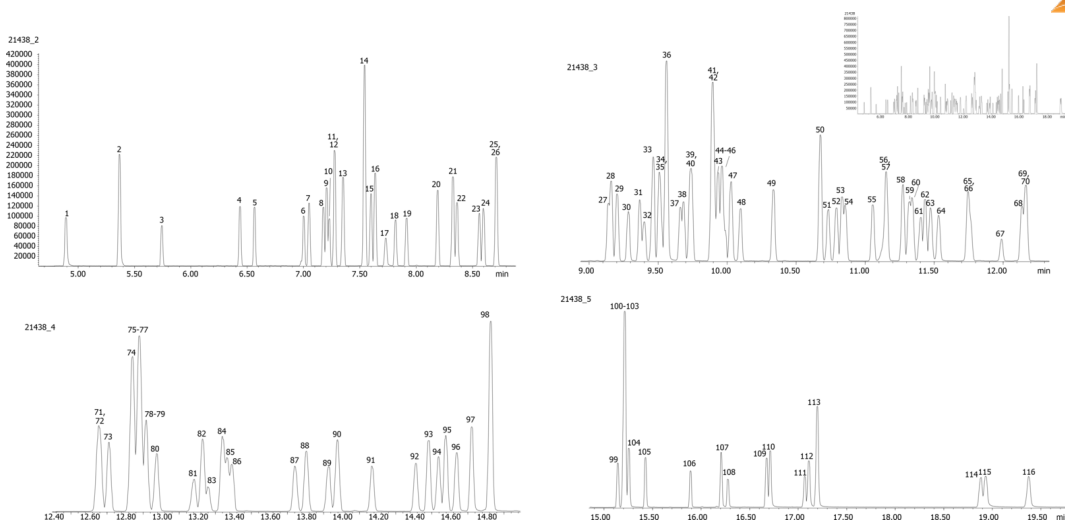
**Injection:** Pulsed :1 1  $\mu$ L @ 260°C

**Detection:** Mass Selective (MSD) (320°C)

**Analyst Note:** All analytes are 5ppm in dichloromethane except pentachlorophenol at 20ppm.  
 Liner: Single taper with wool at bottom (AG0-8499)  
 Septum: PhenoRed (AG0-4697)  
 Gold Seal: Easy Seal (AG0-8620)



Products used in this application:



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## ANALYTES:

|    |                             |    |                    |     |                            |
|----|-----------------------------|----|--------------------|-----|----------------------------|
| 1  | Isophorone                  | 41 | Phenanthrene-d10   | 81  | Tricyclazole               |
| 2  | 1,3-Dimethyl-2-nitrobenzene | 42 | Chlorthalonil      | 82  | DDE                        |
| 3  | Dichlorvos                  | 43 | Phenanthrene       | 83  | DEF                        |
| 4  | Hexachlorocyclopentadiene   | 44 | Disulfoton         | 84  | BZ# 154                    |
| 5  | EPTC                        | 45 | Methyl paraoxon    | 85  | Dieldrin                   |
| 6  | Mevinphos                   | 46 | Terbacil           | 86  | Carboxin                   |
| 7  | Butylate                    | 47 | Anthracene         | 87  | Endrin                     |
| 8  | Vernolate                   | 48 | delta-BHC          | 88  | Chlorobenzilate            |
| 9  | Dimethyl phthalate          | 49 | BZ# 29             | 89  | Endosulfan II              |
| 10 | Etridiazole                 | 50 | Alachlor           | 90  | DDD                        |
| 11 | 2,6-Dinitrotoluene          | 51 | Simetryn           | 91  | Endrin aldehyde            |
| 12 | Pebulate                    | 52 | Ametryn            | 92  | Norflurazon                |
| 13 | Acenaphthylene              | 53 | Prometryn          | 93  | Benzyl butyl phthalate     |
| 14 | Acenaphthene-d10            | 54 | Heptachlor         | 94  | Endosulfan sulfate         |
| 15 | Chloroneb                   | 55 | Terbutryn          | 95  | DDT                        |
| 16 | BZ# 1                       | 56 | Bromacil           | 96  | Hexazinone                 |
| 17 | Tebuthiuron                 | 57 | Dibutyl phthalate  | 97  | bis(2-Ethylhexyl)adipate   |
| 18 | 2,4-Dinitrotoluene          | 58 | BZ# 47             | 98  | Triphenyl phosphate        |
| 19 | Molinate                    | 59 | Metolachlor        | 99  | BZ# 171                    |
| 20 | Diethyl phthalate           | 60 | Chloropyrifos      | 100 | Benz[a]anthracene          |
| 21 | Fluorene                    | 61 | Cyanazine          | 101 | BZ# 200                    |
| 22 | Propachlor                  | 62 | Dacthal            | 102 | Methoxychlor               |
| 23 | Ethoprop                    | 63 | Aldrin             | 103 | Chrysene-d12               |
| 24 | Cycloate                    | 64 | Triadimefon        | 104 | Chrysene                   |
| 25 | Trifluralin                 | 65 | Diphenamide        | 105 | Bis(2-ethylhexyl)phthalate |
| 26 | Chlorpropham                | 66 | MGK-264            | 106 | Fenarimol                  |
| 27 | alpha-BHC                   | 67 | MGK-264            | 107 | cis-Permethrin             |
| 28 | BZ# 5                       | 68 | Heptachlor epoxide | 108 | trans-Permethrin           |
| 29 | Hexachlorobenzene           | 69 | Merphos            | 109 | Benzo[b]fluoranthene       |
| 30 | Atraton                     | 70 | BZ# 98             | 110 | Benzo[k]fluoranthene       |
| 31 | Prometon                    | 71 | trans-Chlordane    | 111 | Fluridone                  |
| 32 | Simazine                    | 72 | Tetrachlorvinphos  | 112 | Benzo[a]pyrene             |
| 33 | Atrazine                    | 73 | Butachlor          | 113 | Perylene-d12               |
| 34 | b-BHC                       | 74 | Pyrene d10         | 114 | Indeno[1,2,3-cd]pyrene     |
| 35 | Propazine                   | 75 | Pyrene             | 115 | Dibenz[a,h]anthracene      |
| 36 | Pentachlorophenol           | 76 | cis-Chlordane      | 116 | Benzo[g,h,i]perylene       |
| 37 | gamma-BHC                   | 77 | Endosulfan I       |     |                            |
| 38 | Terbufos                    | 78 | Fenamiphos         |     |                            |
| 39 | Pronamide                   | 79 | trans-Nonachlor    |     |                            |
| 40 | Diazinon                    | 80 | Napropamide        |     |                            |

