

## EPA Method 525.2 on ZB-SemiVolatiles

**Column:** Zebtron™ ZB-SemiVolatiles, GC Cap. Column 30 m x 0.25 mm x 0.25 µm, Ea

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

**Dimensions:** 30 meters x 0.25 mm x 0.25 µm

**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 µL @ 260°C

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

**Analyst Note:** All analytes are 5ppm in dichloromethane except pentachlorophenol at 20ppm.

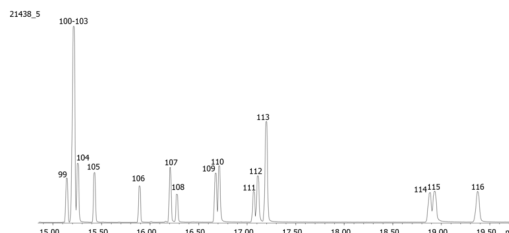
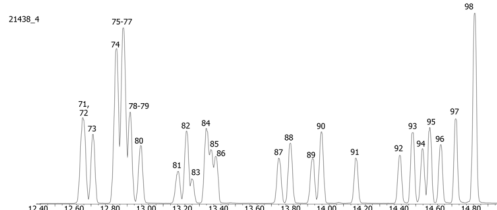
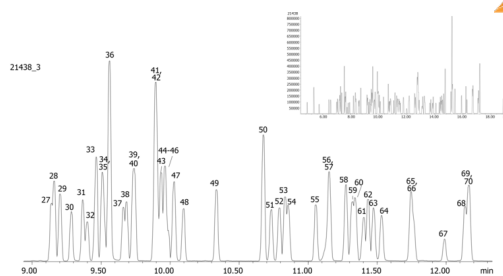
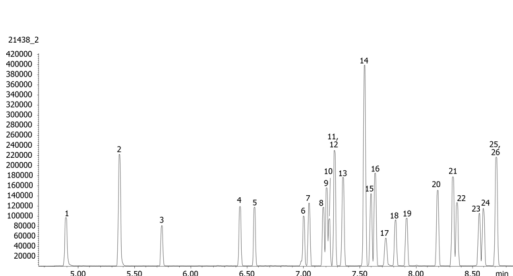
Liner: Single taper with wool at bottom (AG0-8499)

Septum: PhenoRed (AG0-4697)

Gold Seal: Easy Seal (AG0-8620)



Products used in this application:



**EPA Method 525.2 on ZB-SemiVolatiles****ANALYTES:**

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

