

HPLC Application

ID No.: 24473

Unspiked Grapes Extracted with RoQ on Kinetex Biphenyl by LCMS

Column: Kinetex[®] 5 μ m Biphenyl 100 Å LC Column 50 x 4.6 mm, Ea

Dimensions: 50 x 4.6 mm ID

Order No: 00B-4627-E0

Elution Type: Gradient

Eluent A: 10 mM ammonium formate in water

Eluent B: Methanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
| | 1 | 0 | 98 | 2 |
| | 2 | 1 | 98 | 2 |
| | 3 | 10 | 0 | 100 |
| | 4 | 13 | 0 | 100 |
| | 5 | 13.1 | 98 | 2 |
| | 6 | 16 | 98 | 2 |

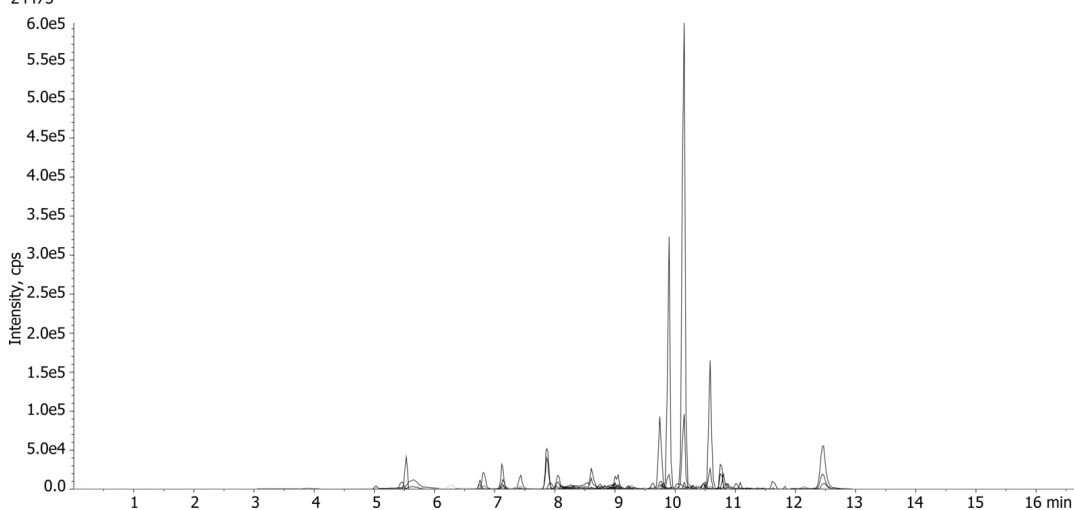
Flow Rate: 0.5 mL/min

Col. Temp.: 35 °C

Detection: Tandem Mass Spec (MS-MS) @ (ambient)

Detector Info:

SCIEX



Products used in this application:



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ANALYTES:

| | | | | | |
|----|----------------------|----|--------------------|-----|--------------------------|
| 1 | Methamidophos | 41 | Tebuthiuron | 81 | Ametryn |
| 2 | Acephate | 42 | Propoxur | 82 | Triadimenol |
| 3 | Cyromazine | 43 | Ethirimol | 83 | Clethodim Z |
| 4 | Omethoate | 44 | Aminocarb | 84 | Diethofencarb |
| 5 | Mesotrione | 45 | Bendiocarb | 85 | Promecarb |
| 6 | Dinotefuran | 46 | Monolinuron | 86 | Oxadixyl |
| 7 | Aldicarb-sulfoxide | 47 | Propham | 87 | Pirimicarb |
| 8 | Propamocarb | 48 | Chlortoluron | 88 | Methoprotryne |
| 9 | Butoxycarboxim | 49 | Metribuzin | 89 | Iprovalicarb |
| 10 | Aldicarb-sulfone | 50 | Forchlorfenuron | 90 | Flutolanil |
| 11 | Flonicamid | 51 | Diuron | 91 | Cyproconazole (isomer 2) |
| 12 | Formetanate | 52 | Pyracarbolid | 92 | Cyproconazole (isomer 1) |
| 13 | Methabenzthiazuron | 53 | Sulfentrazone | 93 | Methiocarb |
| 14 | Monocrotophos | 54 | Isoprocarb | 94 | Mexacarbate |
| 15 | OxamyI | 55 | Carbofuran | 95 | Nuarimol |
| 16 | Methomyl | 56 | Carbaryl | 96 | Neburon |
| 17 | Nitenpyram | 57 | Thiofanox | 97 | Fenhexamid |
| 18 | Clothianidin | 58 | Metobromuron | 98 | Prometryn |
| 19 | Fenuron | 59 | Isoproturon | 99 | Pyrimethanil |
| 20 | Dicrotophos | 60 | Thiacloprid | 100 | Tetraconazole |
| 21 | 3-Hydroxycarbofuran | 61 | Ethiofencarb | 101 | Diclobutrazol |
| 22 | Thiamethoxam | 62 | Simetryn | 102 | Etaconazole (isomer 1) |
| 23 | Acibenzolar-S-methyl | 63 | Thiophanate-methyl | 103 | Triadimefon |
| 24 | Pymetrozine | 64 | Prometon | 104 | Mepronil |
| 25 | Dimethoate | 65 | Cycluron | 105 | Metalaxyl |
| 26 | Carbendazim | 66 | Secbumeton | 106 | Methoxyfenozide |
| 27 | Mevinphos E | 67 | Ethiprole | 107 | Terbutryn |
| 28 | Dioxacarb | 68 | Flutriafol | 108 | Chloroxuron |
| 29 | Vamidotion | 69 | Fenobucarb | 109 | Fenamidone |
| 30 | Cymoxanil | 70 | Siduron | 110 | Myclobutanil |
| 31 | Carbetamide | 71 | Carboxin | 111 | Tricyclazole |
| 32 | Mevinphos Z | 72 | Linuron | 112 | Triticonazole |
| 33 | Imidacloprid | 73 | Desmedipham | 113 | Boscalid |
| 34 | Aldicarb | 74 | Fludioxinil | 114 | Ethofumesate |
| 35 | Fuberidazole | 75 | Isocarbophos | 115 | Hexaconazole |
| 36 | Thiabendazole | 76 | Phenmedipham | 116 | Tebuconazole |
| 37 | Thidiazuron | 77 | Halofenozide | 117 | Prothioconazole |
| 38 | Fluometuron | 78 | Fipronil | 118 | Tebufenozide |
| 39 | Acetamiprid | 79 | Paclobutrazol | 119 | Fenarimol |
| 40 | Clethodim E | 80 | Terbumeton | 120 | Diflubenzuron |
| | | | | 121 | Diniconazole |
| | | | | 122 | Spiroxamine |
| | | | | 123 | Zoxamide |
| | | | | 124 | Triflumuron |
| | | | | 125 | Flufenacet |
| | | | | 126 | Novaluron |
| | | | | 127 | Bifenazate |
| | | | | 128 | Mandipropamid |
| | | | | 129 | Metconazole |
| | | | | 130 | Penconazole |
| | | | | 131 | Monopyrim |

