

## 40 Pesticides out of a multi-target screening method for 300 compounds

**Column:** Synergi™ 4 µm Fusion-RP 80 Å, LC Column 50 x 2 mm, Ea

**Dimensions:** 50 x 2 mm ID

**Order No:** 00B-4424-B0

**Elution Type:** Gradient

**Eluent A:** H2O + 5mM NH4formate

**Eluent B:** CH3OH + 5mM NH4formate

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	80	20
	2	11	10	90
	3	23	10	90

**Flow Rate:** 0.2 mL/min

**Col. Temp.:** 20 °C

**Detection:** Mass Spectrometer (MS) @ amu (ambient)

**Detector Info:**

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href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIE<

TEM = 450°C, IS = 5000V, Declustering Potential (DP) = 30V,

Collision Energy (CE) = optimized for each compound

Positive polarity, Multiple Reaction Monitoring of 297 transitions

(MRMs of example see table)

Information Dependent Acquisition (IDA) Subtraction Product Ion

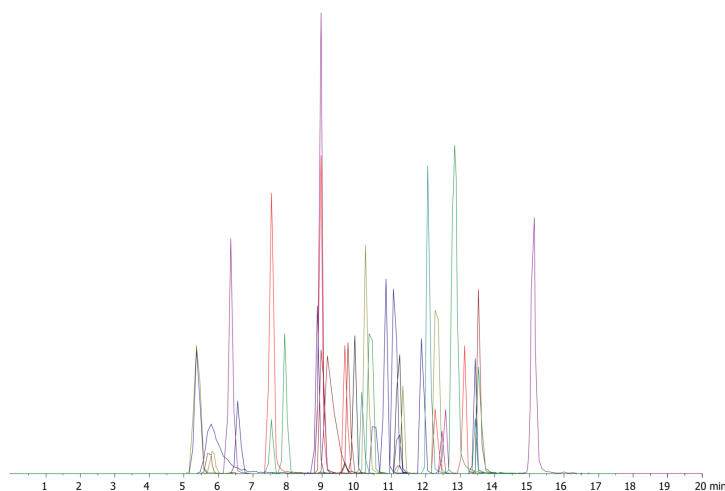
spectra to confirm peak identification. Resolution = 20,000 and 50V.

SecurityGuard™ Guard Cartridge System extends column lifetime.

**Analyst Note:**

- SecurityGuard Cartridges, Fusion-RP 4 x 2.0mm, 10/Pk Part No.: AJ0-7556

- Holder Part No.: KJ0-4282



15632



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### ANALYTES:

- |  |                                |
|--|--------------------------------|
| <b>1</b> Ethiofencarb-sulfone            | <b>41</b> Ethiofencarb-sulfone |
| <b>2</b> Ethiofencarb-sulfoxide          |                                |
| <b>3</b> Imidacloprid                    |                                |
| <b>4</b> Cinosulfurone                   |                                |
| <b>5</b> Propamocarb                     |                                |
| <b>6</b> Vamidothion                     |                                |
| <b>7</b> Dimethoate                      |                                |
| <b>8</b> Carbendazim                     |                                |
| <b>9</b> Thiacloprid                     |                                |
| <b>10</b> Desmethyl-pirimicarb           |                                |
| <b>11</b> Propoxur                       |                                |
| <b>12</b> Carbofuran                     |                                |
| <b>13</b> Desmethyl-formamido-pirimicarb |                                |
| <b>14</b> Thiophanate-methyl             |                                |
| <b>15</b> Thiabendazole                  |                                |
| <b>16</b> Ethiofencarb                   |                                |
| <b>17</b> Pirimicarb                     |                                |
| <b>18</b> Thiodicarb                     |                                |
| <b>19</b> Atrazine                       |                                |
| <b>20</b> Metalaxyl                      |                                |
| <b>21</b> 3,4,5 Trimethacarb             |                                |
| <b>22</b> Diuron                         |                                |
| <b>23</b> Desmedipham                    |                                |
| <b>24</b> Azoxystrobin                   |                                |
| <b>25</b> Linuron                        |                                |
| <b>26</b> Methiocarb                     |                                |
| <b>27</b> Promecarb                      |                                |
| <b>28</b> Iprovalicarb                   |                                |
| <b>29</b> Metolachlor                    |                                |
| <b>30</b> Diflubenzurone                 |                                |
| <b>31</b> Tebufenozide                   |                                |
| <b>32</b> Tebuconazole                   |                                |
| <b>33</b> Cyprodinil                     |                                |
| <b>34</b> Spiroxamine                    |                                |
| <b>35</b> Haloxyfop-methyl               |                                |
| <b>36</b> Haloxyfop-etotyl               |                                |
| <b>37</b> Quizalofop-ethyl               |                                |
| <b>38</b> Fluazifop-P-butyl              |                                |
| <b>39</b> Furathiocarb                   |                                |
| <b>40</b> Fenpropimorph                  |                                |

