



# Cannabis Testing Standards – Cannabinoids and Common Pesticide Contaminants



## **Cannabinoid Standards**

Research suggests the cannabis plant produces between 80-100 cannabinoids, primarily cannabidiol (CBD) and tetrahydrocannabinol (THC). The manufacture and sale of products derived from cannabis is regulated by a variety of state and federal laws due to the psychoactive effects associated with THC and medicinal claims related to CBD. High-purity native and stable isotope-labeled standards are necessary for quantification and qualification of a wide range of cannabinoid products, including textiles, pharmaceuticals, personal care products, and foods and beverages.

CIL has developed stable-isotope labeled and native standards of THC, CBD, and other cannabinoids to assist researchers with their testing needs.

Catalog No.	Description	Concentration	Amount
DLM-10854-1.2	Cannabichromene (CBC) (methyl-D <sub>3</sub> , 98%)	100 μg/mL in methanol	1.2 mL
ULM-10878-1.2	Cannabichromene (CBC) (unlabeled)	1000 μg/mL in methanol	1.2 mL
DLM-10855-1.2	Cannabidiol (CBD) (D <sub>3</sub> , 98%)	100 μg/mL in methanol	1.2 mL
ULM-10876-1.2	Cannabidiol (CBD) (unlabeled)	1000 μg/mL in methanol	1.2 mL
DLM-11140-1.2	Cannabidivarin (CBDV) (methyl-D <sub>3</sub> , 98%)	100 μg/mL in methanol	1.2 mL
ULM-11132-1.2	Cannabidivarin (CBDV) (unlabeled)	1000 μg/mL in methanol	1.2 mL
DLM-10853-1.2	Cannabigerol (CBG) (methyl-D <sub>3</sub> , 98%)	100 μg/mL in methanol	1.2 mL
ULM-10877-1.2	Cannabigerol (CBG) (unlabeled)	1000 μg/mL in methanol	1.2 mL
DLM-10847-1.2	Cannabinol (CBN) (methyl-D <sub>3</sub> , 98%)	100 μg/mL in methanol	1.2 mL
ULM-10875-1.2	Cannabinol (CBN) (unlabeled)	1000 μg/mL in methanol	1.2 mL
DLM-10915-1.2	Cannabivarin (CBV) (methyl-D <sub>3</sub> , 98%) CP 97%	100 μg/mL in methanol	1.2 mL
ULM-10916-1.2	Cannabivarin (CBV) (unlabeled)	1000 μg/mL in methanol	1.2 mL
DLM-10846-1.2	(-)-δ-9-Tetrahydrocannabinol (THC) (methyl-D <sub>3</sub> , 98%)	100 μg/mL in methanol	Inquire
ULM-10874-1.2	(-)-δ-9-Tetrahydrocannabinol (THC) (unlabeled)	1000 μg/mL in methanol	Inquire

CIL cannabinoid standards are excluded from or exempted under the US DEA Controlled Substances Act (CSA). International shipment restrictions may apply. Contact your local distributor or CIL customer service for more information.

Chemical purity (CP) is 98% or greater, unless otherwise specified. For research use only. Not for use in diagnostic procedures.

Nie, B., Henion, J, Ryona, I. 2019. The role of mass spectrometry in the cannabis industry. J Am Soc Mass Spectrom, 20, 719-730.

Meng, Q., Buchanan, B., Zuccolo, J., et al. 2018. A reliable and validated LC-MS/MS method for the simultaneous quantification of 4 cannabinoids in 40 consumer products. PLoS One, 13(5), 1-16.



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# **Common Pesticide Contaminants**

To support the growing cannabis industry, CIL also offers individual stable isotope-labeled and native standards of common pesticides that are required for cannabis testing in the US and Canada. Additional pesticide standards available from CIL can be accessed at **isotope.com**.

DIM-6000-1.2     Acephate (methoxy-D <sub>x</sub> , thiomethoxy-D <sub>y</sub> , 98%)     100 μg/mL in acetonitrile-D <sub>x</sub> 1.2 mL       LUM-7263-1.2     Acephate (unlabeled)     100 μg/mL in methanol     1.2 mL       LUM-963-1.2     Acetamiprid (unlabeled)     100 μg/mL in methanol     1.2 mL       DLM-9820-1.2     Adicard (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       LUM-9823-1.2     Adicard (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       LUM-9823-1.2     Adicard (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       LUM-9327-1.2     Atrazine (ring- <sup>1</sup> C <sub>y</sub> . 99%)     100 μg/mL in methyl r - butyl ether     1.2 mL       LUM-3737-M-1.2     Atrazine (ring- <sup>1</sup> C <sub>y</sub> . 99%)     100 μg/mL in methyl r - butyl ether     1.2 mL       DLM-1149-E-1.2     Atrazine (ethylamine-D <sub>y</sub> . 98%)     500 μg/mL in ethanol     1.2 mL       DLM-1149-E-1.2     Atrazine (ethylamine-D <sub>y</sub> . 98%)     500 μg/mL in ethanol     1.2 mL       DLM-1255-E-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-1255-I.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-1260-I.2     Bifernthrin (unlabeled)     100 μg/mL in nonane <td< th=""><th>Catalog No.</th><th>Description</th><th>Concentration</th><th>Amount</th></td<>	Catalog No.	Description	Concentration	Amount
CLM-9653-1.2     Acetamiprid (pyridylmethyl-¹¹°C <sub>x</sub> , 99%)     100 µg/ml. in methanol     1.2 ml.       ULM-9734-1.2     Acetamiprid (unlabeled)     100 µg/ml. in methanol     1.2 ml.       DCDM-9820-1.2     Aldicard (vil., 98%, 6), 93%)     100 µg/ml. in acetonitrile     1.2 ml.       ULM-9823-1.2     Aldicarb (unlabeled)     100 µg/ml. in acetonitrile     1.2 ml.       CLM-3737-MT-1.2     Atrazine (ethylamine-Q-99%)     100 µg/ml. in methyl r-buyl ether     1.2 ml.       DLM-1149-E-1.2     Atrazine (ethylamine-Q-98%)     500 µg/ml. in ethanol     1.2 ml.       DLM-1149-1.2     Atrazine (ethylamine-Q-98%)     100 µg/ml. in onanae     1.2 ml.       DLM-1253-1.2     Atrazine (unlabeled)     500 µg/ml. in ethanol     1.2 ml.       ULM-7235-1.2     Atrazine (unlabeled)     100 µg/ml. in onanae     1.2 ml.       ULM-7235-1.2     Atrazine (unlabeled)     100 µg/ml. in onanae     1.2 ml.       ULM-1003-1.2     Bifenthrin (unlabeled)     100 µg/ml. in nonane     1.2 ml.       ULM-4082-1.2     Carbayl (iniq-³°C <sub>c</sub> , 99%)     100 µg/ml. in nonane     1.2 ml.       ULM-4095-1.2     Carbofuran (inig-³°C <sub>c</sub> , 99%)     100 µg/ml. in nonane     1.2 ml. <td>DLM-6000-1.2</td> <td>Acephate (methoxy-D<sub>3</sub>, thiomethoxy-D<sub>3</sub>, 98%)</td> <td>100 μg/mL in acetonitrile-D<sub>3</sub></td> <td>1.2 mL</td>	DLM-6000-1.2	Acephate (methoxy-D <sub>3</sub> , thiomethoxy-D <sub>3</sub> , 98%)	100 μg/mL in acetonitrile-D <sub>3</sub>	1.2 mL
ULM-9734-1.2     Acetamiprix (unlabeled)     100 μg/mL in methanol     1.2 mL       CDLM-9820-1.2     Aldicarb ("°C <sub>2</sub> , 98%; D <sub>2</sub> , 98%)     100 μg/mL in acetonitrile     1.2 mL       ULM-9823-1.2     Aldracin (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       CLM-3737-1.7     Atrazine (ring-"C <sub>4</sub> , 99%)     100 μg/mL in nonane     1.2 mL       LCM-3737-MT-1.2     Atrazine (ethylamine-D <sub>2</sub> , 98%)     500 μg/mL in methyl r-butyl ether     1.2 mL       DLM-1149-1.2     Atrazine (ethylamine-D <sub>2</sub> , 98%)     500 μg/mL in nonane     1.2 mL       DLM-7235-1.2     Atrazine (unlabeled)     500 μg/mL in nonane     1.2 mL       ULM-7235-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (D <sub>6</sub> , 98%) C P 95%     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (Q <sub>6</sub> , 98%) C P 95%     100 μg/mL in nonane     1.2 mL       ULM-4093-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-4093-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     Carborura (unlabeled)     100 μg/mL in nonane     1.2 mL <t< td=""><td>ULM-7263-1.2</td><td>Acephate (unlabeled)</td><td>100 μg/mL in acetonitrile</td><td>1.2 mL</td></t<>	ULM-7263-1.2	Acephate (unlabeled)	100 μg/mL in acetonitrile	1.2 mL
CDLM-9820-1.2     Aldicarb ("2C <sub>2</sub> , 98%; D <sub>y</sub> , 98%)     100 μg/mL in acetonitrile     1.2 mL       ULM-9823-1.2     Aldicarb (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-3737-12     Atrazine (ring-"C <sub>y</sub> , 99%)     100 μg/mL in nonane     1.2 mL       CLM-3737-MT-1.2     Atrazine (ring-"C <sub>y</sub> , 99%)     100 μg/mL in nonane     1.2 mL       DLM-1149-1.2     Atrazine (ethylamine-D <sub>y</sub> , 98%)     500 μg/mL in nonane     1.2 mL       DLM-1149-1.2     Atrazine (unlabeled)     500 μg/mL in nonane     1.2 mL       ULM-7235-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-7235-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-7235-1.2     Bifenthrin (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbayl (ring-"C <sub>c</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbofuran (ring-"C <sub>c</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-4191-1.2     Carbofuran (ring-"C <sub>c</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     <	CLM-9653-1.2	Acetamiprid (pyridylmethyl-13C <sub>6</sub> , 99%)	100 μg/mL in methanol	1.2 mL
ULM-9823-1.2     Aldicarb (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       CLM-3737-1.2     Atrazine (ing-¹C <sub>x</sub> , 99%)     100 μg/mL in nonane     1.2 mL       CLM-3737-MT-1.2     Atrazine (ing-¹C <sub>x</sub> , 99%)     100 μg/mL in methyl r-bulyl ether     1.2 mL       DLM-1149-F.2     Atrazine (ethylamine-D <sub>x</sub> , 98%)     500 μg/mL in ethanol     1.2 mL       DLM-1149-F.2     Atrazine (unlabeled)     500 μg/mL in nonane     1.2 mL       ULM-7235-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-1004-1.2     Bifenthrin (D <sub>x</sub> , 98%) CP 95%     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-3034-1.2     Bifenthrin (mg-98%) CP 95%     100 μg/mL in nonane     1.2 mL       ULM-4082-1.2     Carbaryl (inig-¹²C <sub>y</sub> -99%)     100 μg/mL in nonane     1.2 mL       ULM-3096-1.2     Carbaryl (inig-²C <sub>y</sub> -99%)     100 μg/mL in nonane     1.2 mL       ULM-319-1.2     Carbofuran (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-3419-1.2     Carbofuran (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-3429-1.2	ULM-9734-1.2	Acetamiprid (unlabeled)	100 μg/mL in methanol	1.2 mL
CLM-3737-1.2     Atrazine (ring- <sup>12</sup> C <sub>3</sub> , 99%)     100 μg/mL in nonane     1.2 mL       CLM-3737-MT-1.2     Atrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)     100 μg/mL in nonane     1.2 mL       DLM-1149-1.2     Atrazine (ethylamine-D <sub>2</sub> , 98%)     500 μg/mL in ethanol     1.2 mL       DLM-1149-1.2     Atrazine (ethylamine-D <sub>2</sub> , 98%)     100 μg/mL in nonane     1.2 mL       ULM-7235-1.2     Atrazine (unlabeled)     500 μg/mL in nonane     1.2 mL       ULM-7235-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-10041-1.2     Bifenthrin (D <sub>2</sub> , 98%) CP 95%     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (Indlabeled)     100 μg/mL in nonane     1.2 mL       ULM-4682-1.2     Carbaryl (ing- <sup>13</sup> C <sub>2</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbourl (ing- <sup>13</sup> C <sub>2</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbourl (ing- <sup>13</sup> C <sub>2</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbourl (ing- <sup>13</sup> C <sub>2</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbourla (ing- <sup>13</sup> C <sub>2</sub> , 99%)     100 μg/mL in nonane     1.2 mL <td< td=""><td>CDLM-9820-1.2</td><td>Aldicarb (13C<sub>2</sub>, 98%; D<sub>3</sub>, 98%)</td><td>100 μg/mL in acetonitrile</td><td>1.2 mL</td></td<>	CDLM-9820-1.2	Aldicarb (13C <sub>2</sub> , 98%; D <sub>3</sub> , 98%)	100 μg/mL in acetonitrile	1.2 mL
CLM-3737-MT-1.2     Atrazine (ring-¹³C <sub>p</sub> , 99%)     100 µg/mL in methyl r - butyl ether     1.2 mL       DLM-1149-E-1.2     Atrazine (ethylamine-D <sub>s</sub> , 98%)     500 µg/mL in nethanol     1.2 mL       DLM-1149-1.2     Atrazine (ethylamine-D <sub>s</sub> , 98%)     100 µg/mL in nonane     1.2 mL       ULM-7235-E-1.2     Atrazine (unlabeled)     500 µg/mL in nonane     1.2 mL       DLM-10041-1.2     Bifenthrin (D <sub>s</sub> , 98%) CP 95%     100 µg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (D <sub>s</sub> , 98%) CP 95%     100 µg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (Unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-10034-1.2     Carbaryl (ring-¹³C <sub>s</sub> , 99%)     100 µg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbaryl (ving-¹³C <sub>s</sub> , 99%)     100 µg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbofuran (ring-¹³C <sub>s</sub> , 99%)     100 µg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     Carbofuran (vinalebeled)     100 µg/mL in nonane     1.2 mL       ULM-7419-1.2     cis-Chlordane (vinalebeled)     100 µg/mL in nonane     1.2 mL       ULM-7492-1.2     trans-Chlordane (vinalebeled)     100 µg/mL in nonane     1.2 mL	ULM-9823-1.2	Aldicarb (unlabeled)	100 μg/mL in acetonitrile	1.2 mL
DLM-1149-E-1.2     Atrazine (ethylamine-D₀, 98%)     500 μg/mL in ethanol     1.2 mL       DLM-1149-1.2     Atrazine (ethylamine-D₀, 98%)     100 μg/mL in nonane     1.2 mL       ULM-7235-E-1.2     Atrazine (unlabeled)     500 μg/mL in ethanol     1.2 mL       ULM-7235-E-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-10041-1.2     Bifenthrin (D₀, 98%) CP 95%     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-4602-1.2     Carbaryl (ring-°C₀, 99%)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbofuran (ring-°C₀, 99%)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     Carbofuran (inlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (°C₁₀, 99%)     100 μg/mL in nonane     1.2 mL       ULM-2429-1.2     trans-Chlordane (°C₁₀, 99%)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (°C₁₀, 99%)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2	CLM-3737-1.2	Atrazine (ring- <sup>13</sup> C <sub>3</sub> , 99%)	100 μg/mL in nonane	1.2 mL
DLM-1149-1.2     Altrazine (ethylamine-D₀, 98%)     100 μg/mL in nonane     1.2 mL       ULM-7235-F-1.2     Atrazine (unlabeled)     500 μg/mL in ethanol     1.2 mL       ULM-7235-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-10041-1.2     Bifenthrin (Unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (Unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-1911-1.2     Carbofuran (ring-¹°C₀, 99%)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-2419-1.2     Carbofuran (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     Cis-Chlordane (¹°C₀, 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     Cis-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-3489-1.2     Chlorpyrif	CLM-3737-MT-1.2	Atrazine (ring-13C <sub>3</sub> , 99%)	100 $\mu$ g/mL in methyl $t$ -butyl ether	1.2 mL
ULM-7235-E-1.2     Atrazine (unlabeled)     500 μg/mL in ethanol     1.2 mL       ULM-7235-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-10041-1.2     Bifenthrin (D₀, 98%) CP 95%     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-4682-1.2     Carbaryl (ring-¹¹C₀, 99%)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-911-1.2     Carbofuran (ring-¹²C₀, 99%)     100 μg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbofuran (unlabeled)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-8087-1.2     cis-Chlordane (¹²C₁₀, 99%)     100 μg/mL in nonane     1.2 mL       ULM-42419-1.2     cis-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-42419-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-4360-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-4360-1.2     Chlorpyrifos (diethyl-D₁₀, 99%) CP 97%     100 μg/mL in methanol     1.2 mL       ULM-4360-1.2	DLM-1149-E-1.2	Atrazine (ethylamine-D <sub>5</sub> , 98%)	500 μg/mL in ethanol	1.2 mL
ULM-7235-1.2     Atrazine (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-10041-1.2     Bifenthrin (D <sub>6</sub> , 98%) CP 95%     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-6096-1.2     Carbaryl (ing-1°C <sub>6</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carborfura (ing-1°C <sub>6</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-1911-1.2     Carbofuran (inlabeled)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     Carbofuran (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (1°C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (1°C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     tis-Chlordane (1°C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (1°C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-	DLM-1149-1.2	Atrazine (ethylamine-D <sub>5</sub> , 98%)	100 μg/mL in nonane	1.2 mL
DLM-10041-1.2     Bifenthrin (D <sub>g</sub> , 98%) CP 95%     100 μg/mL in nonane     1.2 mL       ULM-10034-1.2     Bifenthrin (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-4682-1.2     Carbaryl (ring-¹²C <sub>g</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbofuran (vinlabeled)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     Carbofuran (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     Cis-Chlordane (¹²C-1 <sub>G</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     Cis-Chlordane (¹²C-1 <sub>G</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (°¹C-1 <sub>G</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2430-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (delthyl-D <sub>1G</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-7499-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-	ULM-7235-E-1.2	Atrazine (unlabeled)	500 μg/mL in ethanol	1.2 mL
ULM-10034-1.2     Bifenthrin (unlabeled)     100 µg/mL in nonane     1.2 mL       CLM-4682-1.2     Carbaryl (ring-¹³C <sub>6</sub> , 99%)     100 µg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbaryl (unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-7419-1.2     Carbofuran (ring-¹³C <sub>6</sub> , 99%)     100 µg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     Carbofuran (unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-8087-1.2     cis-Chlordane (unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-24219-1.2     trans-Chlordane (unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 µg/mL in monane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 µg/mL in monane     1.2 mL       ULM-79940-1.2     Clothianidin (methylene-¹³C, 99%; thiazole-¹³C, 99%; ¹³N, 98%)     100 µg/mL in monane     1.2 mL <	ULM-7235-1.2	Atrazine (unlabeled)	100 μg/mL in nonane	1.2 mL
CLM-4682-1.2     Carbaryl (ring-1³C <sub>g</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-8096-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-1911-1.2     Carbofuran (ring-1³C <sub>g</sub> , 99%)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     Carbofuran (unlabeled)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     cis-Chlordane (³C <sub>1g</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     trans-Chlordane (¹S <sub>1g</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     trans-Chlordane (¹S <sub>1g</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-4792-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-4240-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (diethyl-D <sub>1g</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       VLM-79941-1.2     Clothianidin (methylene-¹²C, 99%; thiazole-¹²C, 99%; thiazole-	DLM-10041-1.2	Bifenthrin (D <sub>6</sub> , 98%) CP 95%	100 μg/mL in nonane	1.2 mL
ULM-8096-1.2     Carbaryl (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-1911-1.2     Carbofuran (ring-¹³C <sub>6</sub> , 99%)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     Carbofuran (unlabeled)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-8087-1.2     cis-Chlordane (¹³C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-4360-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-9940-1.2     Clothianidin (methylene-¹²C, 99%; thiazole-¹²C, 99%; 1°N, 98%)     100 μg/mL in nonane     1.2 mL       ULM-9941-1.2     Clothianidin (mlabeled)     100 μg/mL in methanol     1.2 mL       ULM-7993-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7923-1.2     Cyfluthrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (unlabeled) (mix	ULM-10034-1.2	Bifenthrin (unlabeled)	100 μg/mL in nonane	1.2 mL
CLM-1911-1.2     Carbofuran (ring-¹³C <sub>6</sub> , 99%)     100 μg/mL in 1,4-dioxane     1.2 mL       ULM-7419-1.2     Carbofuran (unlabeled)     100 μg/mL in 1,4-dioxane     1.2 mL       CLM-8087-1.2     cis-Chlordane (¹³C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-4792-1.2     trans-Chlordane (¹³C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (diethyl-D¹100 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       VLM-9940-1.2     Clothianidin (unlabeled)     100 μg/mL in methanol     1.2 mL       ULM-7293-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (D <sub>6</sub> , 98%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)	CLM-4682-1.2	Carbaryl (ring- <sup>13</sup> C <sub>6</sub> , 99%)	100 μg/mL in nonane	1.2 mL
ULM-7419-1.2     Carbofuran (unlabeled)     100 μg/mL in 1,4-dioxane     1.2 mL       CLM-8087-1.2     cis-Chlordane (¹²C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-4792-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-4360-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       CNLM-9940-1.2     Clothianidin (methylene-¹³C, 99%; thiazole-¹³C <sub>3</sub> , 99%; ¹⁵N, 98%)     100 μg/mL in methanol     1.2 mL       ULM-793-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cypermethrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL <td< td=""><td>ULM-8096-1.2</td><td>Carbaryl (unlabeled)</td><td>100 μg/mL in nonane</td><td>1.2 mL</td></td<>	ULM-8096-1.2	Carbaryl (unlabeled)	100 μg/mL in nonane	1.2 mL
CLM-8087-1.2     cis-Chlordane (¹³C <sub>10</sub> , 99%)     100 µg/mL in nonane     1.2 mL       ULM-2419-1.2     cis-Chlordane (unlabeled)     100 µg/mL in nonane     1.2 mL       CLM-4792-1.2     trans-Chlordane (unlabeled)     100 µg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 µg/mL in nonane     1.2 mL       DLM-4360-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 µg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 µg/mL in nonane     1.2 mL       VLM-9940-1.2     Clothianidin (methylene-¹³C, 99%; thiazole-¹³C₃, 99%; ¹⁵N, 98%)     100 µg/mL in methanol     1.2 mL       VLM-9941-1.2     Clothianidin (unlabeled)     100 µg/mL in methanol     1.2 mL       VLM-7293-1.2     Cyfluthrin (phenoxy-¹³C₅, 99%) (mix of stereoisomers)     100 µg/mL in nonane     1.2 mL       VLM-7454-1.2     Cyfluthrin (phenoxy-¹³C₅, 99%) (mix of stereoisomers)     100 µg/mL in nonane     1.2 mL       VLM-7292-1.2     Cypermethrin (phenoxy-¹³C₅, 99%) (mix of stereoisomers)     100 µg/mL in nonane     1.2 mL       VLM-7454-1.2     Cypermethrin (phenoxy-¹³C₅, 99%) (mix of stereoisomers)     100 µg/mL in nonane     1.2 mL       VLM-7453-	CLM-1911-1.2	Carbofuran (ring-13C <sub>6</sub> , 99%)	100 μg/mL in 1,4-dioxane	1.2 mL
ULM-2419-1.2     cis-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-4792-1.2     trans-Chlordane (1³C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-4360-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       CNLM-9940-1.2     Clothianidin (methylene-¹³C, 99%; thiazole-¹³C <sub>3</sub> , 99%; ¹⁵N, 98%)     100 μg/mL in methanol     1.2 mL       ULM-9941-1.2     Clothianidin (unlabeled)     100 μg/mL in methanol     1.2 mL       ULM-793-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7292-1.2     Cypermethrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-1042-1.2     Cypermethrin (D <sub>6</sub> , 98%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-1042-1.2     Cypermethrin (D <sub>6</sub> , 98%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL	ULM-7419-1.2	Carbofuran (unlabeled)	100 μg/mL in 1,4-dioxane	1.2 mL
CLM-4792-1.2     trans-Chlordane (¹³C <sub>10</sub> , 99%)     100 μg/mL in nonane     1.2 mL       ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-4360-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       CNLM-9940-1.2     Clothianidin (methylene-¹³C, 99%; thiazole-¹³C₃, 99%; ¹⁵N, 98%)     100 μg/mL in methanol     1.2 mL       ULM-9941-1.2     Clothianidin (unlabeled)     100 μg/mL in methanol     1.2 mL       CLM-7293-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10043-1.2     Cyfluthrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10042-1.2     Cypermethrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7453-1.2     Cypermethrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10040-1.2     Deltamethrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     <	CLM-8087-1.2	<i>cis</i> -Chlordane (13C <sub>10</sub> , 99%)	100 μg/mL in nonane	1.2 mL
ULM-2420-1.2     trans-Chlordane (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-4360-1.2     Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%     100 μg/mL in nonane     1.2 mL       ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       CNLM-9940-1.2     Clothianidin (methylene-¹³C, 99%; thiazole-¹³C₂, 99%; ¹⁵N, 98%)     100 μg/mL in methanol     1.2 mL       ULM-9941-1.2     Clothianidin (unlabeled)     100 μg/mL in nonane     1.2 mL       CLM-7293-1.2     Cyfluthrin (phenoxy-¹³C₅, 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10043-1.2     Cyfluthrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7452-1.2     Cypermethrin (phenoxy-¹³C₅, 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7453-1.2     Cypermethrin (phenoxy-¹³C₅, 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10042-1.2     Cypermethrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10040-1.2     Deltamethrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane <t< td=""><td>ULM-2419-1.2</td><td>cis-Chlordane (unlabeled)</td><td>100 μg/mL in nonane</td><td>1.2 mL</td></t<>	ULM-2419-1.2	cis-Chlordane (unlabeled)	100 μg/mL in nonane	1.2 mL
DLM-4360-1.2 Chlorpyrifos (diethyl- $D_{10}$ , 99%) CP 97% 100 µg/mL in nonane 1.2 mL ULM-7489-1.2 Chlorpyrifos (unlabeled) 100 µg/mL in nonane 1.2 mL CNLM-9940-1.2 Clothianidin (methylene- $^{13}$ C, 99%; thiazole- $^{13}$ C3, 99%; $^{15}$ N, 98%) 100 µg/mL in methanol 1.2 mL ULM-9941-1.2 Clothianidin (unlabeled) 100 µg/mL in methanol 1.2 mL CLM-7293-1.2 Cyfluthrin (phenoxy- $^{13}$ C6, 99%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10043-1.2 Cyfluthrin (D6, 98%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL ULM-7454-1.2 Cyfluthrin (unlabeled) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10042-1.2 Cypermethrin (phenoxy- $^{13}$ C6, 99%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10042-1.2 Cypermethrin (D6, 98%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10040-1.2 Deltamethrin (D6, 98%) (mix of isomers) 100 µg/mL in nonane 1.2 mL DLM-10040-1.2 Deltamethrin (D6, 98%) (mix of isomers) 100 µg/mL in nonane 1.2 mL DLM-10033-1.2 Deltamethrin (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-1148-A-1.2 Diazinon (diethyl- $D_{10}$ , 98%) 100 µg/mL in nonane 1.2 mL DLM-1148-1.2 Diazinon (diethyl- $D_{10}$ , 98%) 100 µg/mL in nonane 1.2 mL DLM-16575-A-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-16575-A-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-16575-A-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S	CLM-4792-1.2	trans-Chlordane (13C <sub>10</sub> , 99%)	100 μg/mL in nonane	1.2 mL
ULM-7489-1.2     Chlorpyrifos (unlabeled)     100 μg/mL in nonane     1.2 mL       CNLM-9940-1.2     Clothianidin (methylene-¹³C, 99%; thiazole-¹³C₃, 99%; ¹⁵N, 98%)     100 μg/mL in methanol     1.2 mL       ULM-9941-1.2     Clothianidin (unlabeled)     100 μg/mL in methanol     1.2 mL       CLM-7293-1.2     Cyfluthrin (phenoxy-¹³C₆, 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10043-1.2     Cyfluthrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       ULM-7454-1.2     Cyfluthrin (phenoxy-¹³C₆, 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10042-1.2     Cypermethrin (phenoxy-¹³C₆, 99%) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10042-1.2     Cypermethrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10040-1.2     Deltamethrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-1148-A-1.2     Diazinon (diethyl-D₁₀, 98%)     100 μg/mL in acetonotrile     1.2 mL       DLM-1148-1.2     Diazinon (unlabeled)     100 μg/mL in nonane     1.2 mL       ULM-6575-A-1.2     Diazinon (unlabeled)     100 μg/mL in nonane     1.2 mL	ULM-2420-1.2	trans-Chlordane (unlabeled)	100 μg/mL in nonane	1.2 mL
CNLM-9940-1.2 Clothianidin (methylene- $^{13}$ C, 99%; thiazole- $^{13}$ C3, 99%; $^{15}$ N, 98%) 100 µg/mL in methanol 1.2 mL ULM-9941-1.2 Clothianidin (unlabeled) 100 µg/mL in nonane 1.2 mL CLM-7293-1.2 Cyfluthrin (phenoxy- $^{13}$ C6, 99%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10043-1.2 Cyfluthrin (D6, 98%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL ULM-7454-1.2 Cyfluthrin (unlabeled) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10042-1.2 Cypermethrin (phenoxy- $^{13}$ C6, 99%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10042-1.2 Cypermethrin (phenoxy- $^{13}$ C6, 99%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10042-1.2 Cypermethrin (unlabeled) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10040-1.2 Deltamethrin (D6, 98%) (mix of isomers) 100 µg/mL in nonane 1.2 mL DLM-10040-1.2 Deltamethrin (Unlabeled) 100 µg/mL in nonane 1.2 mL DLM-1148-A-1.2 Diazinon (diethyl-D10, 98%) 100 µg/mL in acetonotrile 1.2 mL DLM-1148-1.2 Diazinon (diethyl-D10, 98%) 100 µg/mL in nonane 1.2 mL DLM-1148-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-16575-A-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-16575-A-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-16575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-16575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-6575-S-10X-1.2 Diazinon (unlabeled) 100 µg/mL in nonane 1.2 mL	DLM-4360-1.2	Chlorpyrifos (diethyl-D <sub>10</sub> , 99%) CP 97%	100 μg/mL in nonane	1.2 mL
ULM-9941-1.2Clothianidin (unlabeled)100 μg/mL in methanol1.2 mLCLM-7293-1.2Cyfluthrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10043-1.2Cyfluthrin (D <sub>6</sub> , 98%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLULM-7454-1.2Cyfluthrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLCLM-7292-1.2Cypermethrin (phenoxy-¹³C <sub>6</sub> , 99%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10042-1.2Cypermethrin (D <sub>6</sub> , 98%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLULM-7453-1.2Cypermethrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10040-1.2Deltamethrin (D <sub>6</sub> , 98%) (mix of isomers)100 μg/mL in nonane1.2 mLULM-10033-1.2Deltamethrin (unlabeled)100 μg/mL in nonane1.2 mLDLM-1148-A-1.2Diazinon (diethyl-D <sub>10</sub> , 98%)100 μg/mL in acetonotrile1.2 mLDLM-1148-1.2Diazinon (diethyl-D <sub>10</sub> , 98%)100 μg/mL in nonane1.2 mLULM-6575-A-1.2Diazinon (unlabeled)100 μg/mL in acetonitrile1.2 mLULM-6575-S-10X-1.2Diazinon (unlabeled)100 μg/mL in nonane1.2 mL	ULM-7489-1.2	Chlorpyrifos (unlabeled)	100 μg/mL in nonane	1.2 mL
CLM-7293-1.2Cyfluthrin (phenoxy- $^{13}$ C <sub>6</sub> , 99%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10043-1.2Cyfluthrin (D <sub>6</sub> , 98%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLULM-7454-1.2Cyfluthrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLCLM-7292-1.2Cypermethrin (phenoxy- $^{13}$ C <sub>6</sub> , 99%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10042-1.2Cypermethrin (D <sub>6</sub> , 98%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLULM-7453-1.2Cypermethrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10040-1.2Deltamethrin (D <sub>6</sub> , 98%) (mix of isomers)100 μg/mL in nonane1.2 mLULM-10033-1.2Deltamethrin (unlabeled)100 μg/mL in nonane1.2 mLDLM-1148-A-1.2Diazinon (diethyl-D <sub>10</sub> , 98%)100 μg/mL in acetonotrile1.2 mLDLM-1148-1.2Diazinon (diethyl-D <sub>10</sub> , 98%)100 μg/mL in nonane1.2 mLULM-6575-A-1.2Diazinon (unlabeled)100 μg/mL in acetonitrile1.2 mLULM-6575-S-10X-1.2Diazinon (unlabeled)1000 μg/mL in nonane1.2 mL	CNLM-9940-1.2	Clothianidin (methylene-13C, 99%; thiazole-13C <sub>3</sub> , 99%; 15N, 98%)	100 μg/mL in methanol	1.2 mL
DLM-10043-1.2Cyfluthrin ( $D_6$ , 98%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLULM-7454-1.2Cyfluthrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLCLM-7292-1.2Cypermethrin (phenoxy- $^{13}C_6$ , 99%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10042-1.2Cypermethrin ( $D_6$ , 98%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLULM-7453-1.2Cypermethrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10040-1.2Deltamethrin ( $D_6$ , 98%) (mix of isomers)100 μg/mL in nonane1.2 mLULM-10033-1.2Deltamethrin (unlabeled)100 μg/mL in nonane1.2 mLDLM-1148-A-1.2Diazinon (diethyl- $D_{10}$ , 98%)100 μg/mL in acetonotrile1.2 mLDLM-1148-1.2Diazinon (diethyl- $D_{10}$ , 98%)100 μg/mL in nonane1.2 mLULM-6575-A-1.2Diazinon (unlabeled)100 μg/mL in acetonitrile1.2 mLULM-6575-S-10X-1.2Diazinon (unlabeled)1000 μg/mL in nonane1.2 mL	ULM-9941-1.2	Clothianidin (unlabeled)	100 μg/mL in methanol	1.2 mL
ULM-7454-1.2Cyfluthrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLCLM-7292-1.2Cypermethrin (phenoxy- $^{13}$ C <sub>6</sub> , 99%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10042-1.2Cypermethrin (D <sub>6</sub> , 98%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLULM-7453-1.2Cypermethrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10040-1.2Deltamethrin (D <sub>6</sub> , 98%) (mix of isomers)100 μg/mL in nonane1.2 mLULM-10033-1.2Deltamethrin (unlabeled)100 μg/mL in nonane1.2 mLDLM-1148-A-1.2Diazinon (diethyl-D <sub>10</sub> , 98%)100 μg/mL in acetonotrile1.2 mLDLM-1148-1.2Diazinon (diethyl-D <sub>10</sub> , 98%)100 μg/mL in nonane1.2 mLULM-6575-A-1.2Diazinon (unlabeled)100 μg/mL in acetonitrile1.2 mLULM-6575-S-10X-1.2Diazinon (unlabeled)1000 μg/mL in nonane1.2 mL	CLM-7293-1.2	Cyfluthrin (phenoxy-13C <sub>6</sub> , 99%) (mix of stereoisomers)	100 μg/mL in nonane	1.2 mL
CLM-7292-1.2 Cypermethrin (phenoxy- $^{13}$ C <sub>6</sub> , 99%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10042-1.2 Cypermethrin (D <sub>6</sub> , 98%) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL ULM-7453-1.2 Cypermethrin (unlabeled) (mix of stereoisomers) 100 µg/mL in nonane 1.2 mL DLM-10040-1.2 Deltamethrin (D <sub>6</sub> , 98%) (mix of isomers) 100 µg/mL in nonane 1.2 mL ULM-10033-1.2 Deltamethrin (unlabeled) 100 µg/mL in nonane 1.2 mL DLM-1148-A-1.2 Diazinon (diethyl-D <sub>10</sub> , 98%) 100 µg/mL in acetonotrile 1.2 mL DLM-1148-1.2 Diazinon (diethyl-D <sub>10</sub> , 98%) 100 µg/mL in nonane 1.2 mL ULM-6575-A-1.2 Diazinon (unlabeled) 100 µg/mL in acetonitrile 1.2 mL ULM-6575-S-10X-1.2 Diazinon (unlabeled) 1000 µg/mL in nonane 1.2 mL ULM-6575-S-10X-1.2 Diazinon (unlabeled) 1000 µg/mL in nonane 1.2 mL	DLM-10043-1.2	Cyfluthrin (D <sub>6</sub> , 98%) (mix of stereoisomers)	100 μg/mL in nonane	1.2 mL
DLM-10042-1.2Cypermethrin ( $D_6$ , 98%) (mix of stereoisomers)100 μg/mL in nonane1.2 mLULM-7453-1.2Cypermethrin (unlabeled) (mix of stereoisomers)100 μg/mL in nonane1.2 mLDLM-10040-1.2Deltamethrin ( $D_6$ , 98%) (mix of isomers)100 μg/mL in nonane1.2 mLULM-10033-1.2Deltamethrin (unlabeled)100 μg/mL in nonane1.2 mLDLM-1148-A-1.2Diazinon (diethyl- $D_{10}$ , 98%)100 μg/mL in acetonotrile1.2 mLDLM-1148-1.2Diazinon (diethyl- $D_{10}$ , 98%)100 μg/mL in nonane1.2 mLULM-6575-A-1.2Diazinon (unlabeled)100 μg/mL in acetonitrile1.2 mLULM-6575-S-10X-1.2Diazinon (unlabeled)1000 μg/mL in nonane1.2 mL	ULM-7454-1.2	Cyfluthrin (unlabeled) (mix of stereoisomers)	100 μg/mL in nonane	1.2 mL
ULM-7453-1.2     Cypermethrin (unlabeled) (mix of stereoisomers)     100 μg/mL in nonane     1.2 mL       DLM-10040-1.2     Deltamethrin (D <sub>6</sub> , 98%) (mix of isomers)     100 μg/mL in nonane     1.2 mL       ULM-10033-1.2     Deltamethrin (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-1148-A-1.2     Diazinon (diethyl-D <sub>10</sub> , 98%)     100 μg/mL in acetonotrile     1.2 mL       DLM-1148-1.2     Diazinon (diethyl-D <sub>10</sub> , 98%)     100 μg/mL in nonane     1.2 mL       ULM-6575-A-1.2     Diazinon (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       ULM-6575-S-10X-1.2     Diazinon (unlabeled)     1000 μg/mL in nonane     1.2 mL	CLM-7292-1.2	Cypermethrin (phenoxy-13C <sub>6</sub> , 99%) (mix of stereoisomers)	100 μg/mL in nonane	1.2 mL
DLM-10040-1.2Deltamethrin ( $D_6$ , 98%) (mix of isomers)100 μg/mL in nonane1.2 mLULM-10033-1.2Deltamethrin (unlabeled)100 μg/mL in nonane1.2 mLDLM-1148-A-1.2Diazinon (diethyl- $D_{10}$ , 98%)100 μg/mL in acetonotrile1.2 mLDLM-1148-1.2Diazinon (diethyl- $D_{10}$ , 98%)100 μg/mL in nonane1.2 mLULM-6575-A-1.2Diazinon (unlabeled)100 μg/mL in acetonitrile1.2 mLULM-6575-S-10X-1.2Diazinon (unlabeled)1000 μg/mL in nonane1.2 mL	DLM-10042-1.2	Cypermethrin (D <sub>6</sub> , 98%) (mix of stereoisomers)	100 μg/mL in nonane	1.2 mL
ULM-10033-1.2     Deltamethrin (unlabeled)     100 μg/mL in nonane     1.2 mL       DLM-1148-A-1.2     Diazinon (diethyl-D <sub>10</sub> , 98%)     100 μg/mL in acetonotrile     1.2 mL       DLM-1148-1.2     Diazinon (diethyl-D <sub>10</sub> , 98%)     100 μg/mL in nonane     1.2 mL       ULM-6575-A-1.2     Diazinon (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       ULM-6575-S-10X-1.2     Diazinon (unlabeled)     1000 μg/mL in nonane     1.2 mL	ULM-7453-1.2	Cypermethrin (unlabeled) (mix of stereoisomers)	100 μg/mL in nonane	1.2 mL
DLM-1148-A-1.2Diazinon (diethyl- $D_{10}$ , 98%)100 μg/mL in acetonotrile1.2 mLDLM-1148-1.2Diazinon (diethyl- $D_{10}$ , 98%)100 μg/mL in nonane1.2 mLULM-6575-A-1.2Diazinon (unlabeled)100 μg/mL in acetonitrile1.2 mLULM-6575-S-10X-1.2Diazinon (unlabeled)1000 μg/mL in nonane1.2 mL	DLM-10040-1.2	Deltamethrin (D <sub>6</sub> , 98%) (mix of isomers)	100 μg/mL in nonane	1.2 mL
DLM-1148-1.2     Diazinon (diethyl-D <sub>10</sub> , 98%)     100 μg/mL in nonane     1.2 mL       ULM-6575-A-1.2     Diazinon (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       ULM-6575-S-10X-1.2     Diazinon (unlabeled)     1000 μg/mL in nonane     1.2 mL	ULM-10033-1.2	Deltamethrin (unlabeled)	100 μg/mL in nonane	1.2 mL
ULM-6575-A-1.2     Diazinon (unlabeled)     100 μg/mL in acetonitrile     1.2 mL       ULM-6575-S-10X-1.2     Diazinon (unlabeled)     1000 μg/mL in nonane     1.2 mL	DLM-1148-A-1.2	Diazinon (diethyl-D <sub>10</sub> , 98%)	100 μg/mL in acetonotrile	1.2 mL
ULM-6575-S-10X-1.2     Diazinon (unlabeled)     1000 μg/mL in nonane     1.2 mL	DLM-1148-1.2	Diazinon (diethyl-D <sub>10</sub> , 98%)	100 μg/mL in nonane	1.2 mL
15	ULM-6575-A-1.2	Diazinon (unlabeled)	100 μg/mL in acetonitrile	1.2 mL
DLM-2829-1.2 Dichloryos (dimethyl-D <sub>c</sub> , 98%) 100 μα/mL in nonane 1.2 ml	ULM-6575-S-10X-1.2	Diazinon (unlabeled)	1000 μg/mL in nonane	1.2 mL
	DLM-2829-1.2	Dichlorvos (dimethyl-D <sub>6</sub> , 98%)	100 μg/mL in nonane	1.2 mL
ULM-7217-1.2 Dichlorvos (unlabeled) 100 μg/mL in nonane 1.2 mL	ULM-7217-1.2	Dichlorvos (unlabeled)	100 μg/mL in nonane	1.2 mL
DLM-7151-1.2 Dimethoate ( <i>O,O</i> -dimethyl-D <sub>6</sub> , 98%) 100 μg/mL in acetonitrile 1.2 mL	DLM-7151-1.2	Dimethoate ( <i>O,O</i> -dimethyl-D <sub>6</sub> , 98%)	100 μg/mL in acetonitrile	1.2 mL
ULM-7972-1.2 Dimethoate (unlabeled) 100 μg/mL in acetonitrile 1.2 mL	ULM-7972-1.2			1.2 mL
CLM-9594-1.2 Dinotefuran (furylmethyl- $^{13}$ C <sub>5</sub> , 99%) 100 $\mu$ g/mL in methanol 1.2 mL	CLM-9594-1.2		100 μg/mL in methanol	1.2 mL
ULM-9732-1.2 Dinotefuran (unlabeled) 100 μg/mL in methanol 1.2 mL	ULM-9732-1.2	Dinotefuran (unlabeled)	100 μg/mL in methanol	1.2 mL

Catalog No.	Description	Concentration	Amount
DLM-7116	Diuron (dimethyl-D <sub>6</sub> , 98%)		Inquire
CLM-6025-1.2	Endosulfan I ( <sup>13</sup> C <sub>9</sub> , 99%) CP 95%	100 μg/mL in nonane	1.2 mL
DLM-2862-1.2	Endosulfan I (D <sub>4</sub> , 97%) CP 95%	100 μg/mL in nonane	1.2 mL
ULM-7447-1.2	Endosulfan I (unlabeled)	100 μg/mL in nonane	1.2 mL
CLM-6026-1.2	Endosulfan II (13C <sub>9</sub> , 99%) CP 95%	100 μg/mL in nonane	1.2 mL
ULM-7448-1.2	Endosulfan II (unlabeled)	100 μg/mL in nonane	1.2 mL
CLM-7531-1.2	Endosulfan sulfate (¹³C <sub>9</sub> , 99%)	100 μg/mL in nonane	1.2 mL
ULM-7990-1.2	Endosulfan sulfate (unlabeled)	100 μg/mL in nonane	1.2 mL
DLM-10035-1.2	Fenvalerate (D <sub>6</sub> , 98%)	100 μg/mL in nonane	1.2 mL
ULM-10022-1.2	Fenvalerate (unlabeled)	100 μg/mL in nonane	1.2 mL
CNLM-9636-MT-1.2	Fipronil (3-cyano,pyrazole-3,4,5-13C <sub>4</sub> , 99%; 3-cyano,5-15N <sub>2</sub> , 98%)	100 μg/mL in methyl <i>tert</i> -butyl ether	1.2 mL
ULM-9635-MT-1.2	Fipronil (unlabeled)	100 μg/mL in methyl <i>tert</i> -butyl ether	1.2 mL
NOLM-10860-1.2	Flonicamid (18O, 96%; amide-15N, 98%)	100 μg/mL in methanol	1.2 mL
ULM-10861-1.2	Flonicamid (unlabeled)	100 μg/mL in methanol	1.2 mL
CLM-10767-1.2	Imidacloprid (pyridylmethyl-13C <sub>6</sub> , 99%)	100 μg/mL in methanol	1.2 mL
DLM-8512-1.2	Imidacloprid (4,4,5,5-D <sub>4</sub> , 98%)	100 μg/mL in methanol	1.2 mL
ULM-8513-1.2	Imidacloprid (unlabeled)	100 μg/mL in methanol	1.2 mL
DLM-4476-1.2	Malathion (D <sub>10</sub> , 99%)	100 μg/mL in nonane	1.2 mL
ULM-8122-1.2	Malathion (unlabeled)	100 μg/mL in nonane	1.2 mL
CNLM-7148-1.2	Methomyl (acetohydroxamate-13C <sub>2</sub> , 99%; 15N, 98%) CP 97%	100 μg/mL in methanol	1.2 mL
ULM-8639-1.2	Methomyl (unlabeled)	100 μg/mL in methanol	1.2 mL
CLM-1955-1.2	Pentachloronitrobenzene (13C <sub>6</sub> , 99%)	100 μg/mL in nonane	1.2 mL
ULM-7597-1.2	Pentachloronitrobenzene (unlabeled)	100 μg/mL in nonane	1.2 mL
CLM-7322-1.2	cis-Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	50 μg/mL in nonane	1.2 mL
ULM-8526-1.2	cis-Permethrin (unlabeled)	50 μg/mL in nonane	1.2 mL
CLM-7323-1.2	trans-Permethrin (phenoxy- <sup>13</sup> C <sub>6</sub> , 99%)	50 μg/mL in nonane	1.2 mL
ULM-8527-1.2	trans-Permethrin (unlabeled)	50 μg/mL in nonane	1.2 mL
DLM-10036-1.2	Permethrin (cis/trans mix) (D <sub>6</sub> , 98%)	100 μg/mL in nonane	1.2 mL
ULM-10018-1.2	Permethrin (cis/trans mix) (unlabeled) CP 95%	100 μg/mL in nonane	1.2 mL
DLM-4667-1.2	Phosmet (dimethyl-D <sub>6</sub> , 98%)	100 μg/mL in acetonitrile	1.2 mL
ULM-8454-1.2	Phosmet (unlabeled)	100 μg/mL in acetonitrile	1.2 mL
DLM-7141-1.2	Propoxur (isopropyl-D <sub>7</sub> , 98%)	100 μg/mL in nonane	1.2 mL
ULM-9765-1.2	Propoxur (unlabeled)	100 μg/mL in nonane	1.2 mL
CLM-9880	Tetrachlorvinphos (TCVP) (ring-13C <sub>6</sub> , 99%)		Inquire
ULM-9991	Tetrachlorvinphos (TCVP) (unlabeled)		Inquire
CLM-9652-1.2	Thiacloprid (pyridylmethyl- <sup>13</sup> C <sub>6</sub> , 99%)	100 μg/mL in methanol	1.2 mL
ULM-9733-1.2	Thiacloprid (unlabeled)	100 μg/mL in methanol	1.2 mL
CNLM-9860-1.2	Thiamethoxam (methylene- <sup>13</sup> C, 99%; thiazole- <sup>13</sup> C <sub>3</sub> , 99%; <sup>15</sup> N, 98%)	100 μg/mL in methanol	1.2 mL
ULM-9939-1.2	Thiamethoxam (unlabeled)	100 μg/mL in methanol	1.2 mL

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