

Analytical Report For:

**Stigma**

Lab Work Order Number

**ID03018**

Project Name

**R&D Testing**

Project Number

**Pesticides & Residual Solvents - 04/03/2024**

### Samples in this Report

Lab ID	Sample Name	Sample Alias	Matrix	Sampled	Received
ID03018-01	Stigma Lemonade Iced Tea	--	Beverage	03/14/2024 00:00	04/03/2024
ID03018-02	Stigma Peach Iced Tea	--	Beverage	03/01/2024 00:00	04/03/2024
ID03018-03	Stigma Club Soda	--	Beverage	03/22/2024 00:00	04/03/2024
ID03018-04	Stigma Lime Seltzer	--	Beverage	02/15/2024 00:00	04/03/2024

**Detection Summary**

Sample ID	Sample Name	Potency	Hits	Limit
ID03018-01	Stigma Lemonade Iced Tea		..... None	-
ID03018-02	Stigma Peach Iced Tea		Ethanol..... 151 mg/kg	[5000]
ID03018-03	Stigma Club Soda		..... None	-
ID03018-04	Stigma Lime Seltzer		Ethanol..... 412 mg/kg	[5000]

### Sample Results

#### Sample: Stigma Lemonade Iced Tea ID03018-01 (Beverage)

#### Pesticides by LC-QQQ

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Abamectin, Total	ND	ug/kg		300	10	12.3	50.0	B4D0315	NAL	LC-QQQ
Acephate	ND	ug/kg		3000	10	9.78	25.0	B4D0315	NAL	LC-QQQ
Acequinocyl	ND	ug/kg		2000	10	11.7	50.0	B4D0315	NAL	LC-QQQ
Acetamiprid	ND	ug/kg		3000	10	15.1	25.0	B4D0315	NAL	LC-QQQ
Aldicarb	ND	ug/kg		100	10	12.9	25.0	B4D0315	NAL	LC-QQQ
Azoxystrobin	ND	ug/kg		3000	10	3.26	9.99	B4D0315	NAL	LC-QQQ
Bifenazate	ND	ug/kg		3000	10	3.67	25.0	B4D0315	NAL	LC-QQQ
Bifenthrin	ND	ug/kg		500	10	9.43	12.5	B4D0315	NAL	LC-QQQ
Boscalid	ND	ug/kg		3000	10	18.2	50.0	B4D0315	NAL	LC-QQQ
Carbaryl	ND	ug/kg		500	10	7.22	25.0	B4D0315	NAL	LC-QQQ
Carbofuran	ND	ug/kg		100	10	2.29	12.5	B4D0315	NAL	LC-QQQ
Chlorantraniliprole	ND	ug/kg		3000	10	5.11	125	B4D0315	NAL	LC-QQQ
Chlormequat chloride	ND	ug/kg		3000	10	9.36	50.0	B4D0315	NAL	LC-QQQ
Chlorpyrifos	ND	ug/kg		100	10	4.42	25.0	B4D0315	NAL	LC-QQQ
Clofentezine	ND	ug/kg		500	10	14.9	25.0	B4D0315	NAL	LC-QQQ
Coumaphos	ND	ug/kg		100	10	4.49	25.0	B4D0315	NAL	LC-QQQ
Cyfluthrin	ND	ug/kg		1000	10	26.7	50.0	B4D0315	NAL	LC-QQQ
Cypermethrin	ND	ug/kg		1000	10	11.4	125	B4D0315	NAL	LC-QQQ
Daminozide	ND	ug/kg		100	10	6.32	50.0	B4D0315	NAL	LC-QQQ
Diazinon	ND	ug/kg		200	10	3.19	12.5	B4D0315	NAL	LC-QQQ
Dichlorvos	ND	ug/kg		100	10	5.79	50.0	B4D0315	NAL	LC-QQQ
Dimethoate	ND	ug/kg		100	10	1.29	12.5	B4D0315	NAL	LC-QQQ
Dimethomorph, Total	ND	ug/kg		3000	10	2.50	50.0	B4D0315	NAL	LC-QQQ
Ethoprophos	ND	ug/kg		100	10	2.36	12.5	B4D0315	NAL	LC-QQQ
Etofenprox	ND	ug/kg		100	10	12.7	25.0	B4D0315	NAL	LC-QQQ
Etoxazole	ND	ug/kg		1500	10	15.4	25.0	B4D0315	NAL	LC-QQQ
Fenhexamid	ND	ug/kg		3000	10	5.41	50.0	B4D0315	NAL	LC-QQQ
Fenoxycarb	ND	ug/kg		100	10	4.69	25.0	B4D0315	NAL	LC-QQQ
Fenpyroximate	ND	ug/kg		2000	10	5.52	12.5	B4D0315	NAL	LC-QQQ
Fipronil	ND	ug/kg		100	10	14.3	50.0	B4D0315	NAL	LC-QQQ
Flonicamid	ND	ug/kg		2000	10	6.91	25.0	B4D0315	NAL	LC-QQQ
Fludioxonil	ND	ug/kg		3000	10	11.0	50.0	B4D0315	NAL	LC-QQQ
Hexythiazox	ND	ug/kg		2000	10	5.86	12.5	B4D0315	NAL	LC-QQQ
Imazalil	ND	ug/kg		100	10	9.60	50.0	B4D0315	NAL	LC-QQQ
Imidacloprid	ND	ug/kg		3000	10	17.3	25.0	B4D0315	NAL	LC-QQQ
Kresoxim-Methyl	ND	ug/kg		1000	10	7.61	25.0	B4D0315	NAL	LC-QQQ
Malathion	ND	ug/kg		2000	10	10.7	50.0	B4D0315	NAL	LC-QQQ
Metalaxyl	ND	ug/kg		3000	10	4.47	12.5	B4D0315	NAL	LC-QQQ
Methiocarb	ND	ug/kg		100	10	11.8	25.0	B4D0315	NAL	LC-QQQ
Methomyl	ND	ug/kg		100	10	4.42	12.5	B4D0315	NAL	LC-QQQ
Mevinphos	ND	ug/kg		100	10	9.28	25.0	B4D0315	NAL	LC-QQQ
Myclobutanil	ND	ug/kg		3000	10	16.3	25.0	B4D0315	NAL	LC-QQQ
Dibrom (Naled)	ND	ug/kg		500	10	6.03	50.0	B4D0315	NAL	LC-QQQ
Oxamyl	ND	ug/kg		500	10	2.33	12.5	B4D0315	NAL	LC-QQQ
Pacllobutrazol	ND	ug/kg		100	10	12.2	25.0	B4D0315	NAL	LC-QQQ
Permethrin	ND	ug/kg		1000	10	16.3	25.0	B4D0315	NAL	LC-QQQ

## Sample Results

(Continued)

### Sample: Stigma Lemonade Iced Tea ID03018-01 (Beverage)

#### Pesticides by LC-QQQ

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Phosmet	ND	ug/kg		200	10	9.16	25.0	B4D0315	NAL	LC-QQQ
Piperonyl butoxide	ND	ug/kg		3000	10	5.81	12.5	B4D0315	NAL	LC-QQQ
Prallethrin	ND	ug/kg		400	10	5.52	25.0	B4D0315	NAL	LC-QQQ
Propiconazole (Tilt)	ND	ug/kg		1000	10	17.9	50.0	B4D0315	NAL	LC-QQQ
Baygon (Propoxur)	ND	ug/kg		100	10	5.44	12.5	B4D0315	NAL	LC-QQQ
Pyrethrins, Total	ND	ug/kg		1000	10	11.0	50.0	B4D0315	NAL	LC-QQQ
Pyridaben	ND	ug/kg		3000	10	6.25	12.5	B4D0315	NAL	LC-QQQ
Spinetoram, Total	ND	ug/kg		3000	10	11.7	50.0	B4D0315	NAL	LC-QQQ
Spiromesifen	ND	ug/kg		3000	10	2.24	12.5	B4D0315	NAL	LC-QQQ
Spirotetramat	ND	ug/kg		3000	10	6.67	25.0	B4D0315	NAL	LC-QQQ
Spiroxamine	ND	ug/kg		100	10	6.81	12.5	B4D0315	NAL	LC-QQQ
Tebuconazole	ND	ug/kg		1000	10	19.0	25.0	B4D0315	NAL	LC-QQQ
Thiacloprid	ND	ug/kg		100	10	14.4	25.0	B4D0315	NAL	LC-QQQ
Thiamethoxam	ND	ug/kg		1000	10	15.9	25.0	B4D0315	NAL	LC-QQQ
Trifloxystrobin	ND	ug/kg		3000	10	6.04	12.5	B4D0315	NAL	LC-QQQ
Spinosad, Total	ND	ug/kg		3000	10	4.44	36.2	B4D0315	NAL	LC-QQQ

#### Pesticides by GC-QQQ

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Pentachloronitrobenzene (quintozene)	ND	ug/kg		200	5	34.2	74.9	B4D0315	MAH	GC-QQQ
Methyl parathion	ND	ug/kg		100	5	17.1	74.9	B4D0315	MAH	GC-QQQ
Captan	ND	ug/kg		3000	5	49.2	74.9	B4D0315	MAH	GC-QQQ
Chlordane, Total	ND	ug/kg		100	5	39.0	74.9	B4D0315	MAH	GC-QQQ
Chlorfenapyr	ND	ug/kg		100	5	43.6	74.9	B4D0315	MAH	GC-QQQ

**Sample Results**  
(Continued)

**Sample: Stigma Lemonade Iced Tea ID03018-01 (Beverage)**

**Residual Solvents by GC/MS-HS**

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Propane	ND	mg/kg		5000	1	107	267	B4D0320	VC	RS-GCMS-HS
n-Butane	ND	mg/kg		5000	1	107	267	B4D0320	VC	RS-GCMS-HS
Methanol	ND	mg/kg		250	1	26.7	107	B4D0320	VC	RS-GCMS-HS
Ethylene Oxide	ND	mg/kg		5	1	0.535	2.67	B4D0320	VC	RS-GCMS-HS
Ethanol	ND	mg/kg		5000	1	107	267	B4D0320	VC	RS-GCMS-HS
Pentane	ND	mg/kg		750	1	80.2	267	B4D0320	VC	RS-GCMS-HS
Ethyl Ether	ND	mg/kg		500	1	53.5	267	B4D0320	VC	RS-GCMS-HS
Acetone	ND	mg/kg		750	1	80.2	267	B4D0320	VC	RS-GCMS-HS
1,1-Dichloroethylene	ND	mg/kg		8	1	0.328	1.60	B4D0320	VC	RS-GCMS-HS
Isopropyl Alcohol (2-Propanol)	ND	mg/kg		500	1	53.5	267	B4D0320	VC	RS-GCMS-HS
Acetonitrile	ND	mg/kg		60	1	6.42	32.1	B4D0320	VC	RS-GCMS-HS
Methylene Chloride	ND	mg/kg		125	1	13.4	53.5	B4D0320	VC	RS-GCMS-HS
Hexane	ND	mg/kg		250	1	26.7	134	B4D0320	VC	RS-GCMS-HS
Ethyl Acetate	ND	mg/kg		400	1	42.8	214	B4D0320	VC	RS-GCMS-HS
Chloroform	ND	mg/kg		2	1	0.148	1.07	B4D0320	VC	RS-GCMS-HS
1,2-Dichloroethane	ND	mg/kg		2	1	0.193	1.07	B4D0320	VC	RS-GCMS-HS
Benzene	ND	mg/kg		1	1	0.0613	0.107	B4D0320	VC	RS-GCMS-HS
Heptane	ND	mg/kg		5000	1	107	267	B4D0320	VC	RS-GCMS-HS
Trichloroethene (Trichloroethylene)	ND	mg/kg		25	1	0.288	1.60	B4D0320	VC	RS-GCMS-HS
Toluene	ND	mg/kg		150	1	16.0	80.2	B4D0320	VC	RS-GCMS-HS
m/p-Xylenes	ND	mg/kg		100	1	8.02	32.1	B4D0320	VC	RS-GCMS-HS
o-xylene	ND	mg/kg		50	1	8.02	32.1	B4D0320	VC	RS-GCMS-HS

## Sample Results

### Sample: Stigma Peach Iced Tea ID03018-02 (Beverage)

#### Pesticides by LC-QQQ

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Abamectin, Total	ND	ug/kg		300	10	12.3	50.0	B4D0315	NAL	LC-QQQ
Acephate	ND	ug/kg		3000	10	9.78	25.0	B4D0315	NAL	LC-QQQ
Acequinocyl	ND	ug/kg		2000	10	11.7	50.0	B4D0315	NAL	LC-QQQ
Acetamiprid	ND	ug/kg		3000	10	15.1	25.0	B4D0315	NAL	LC-QQQ
Aldicarb	ND	ug/kg		100	10	12.9	25.0	B4D0315	NAL	LC-QQQ
Azoxystrobin	ND	ug/kg		3000	10	3.26	10.0	B4D0315	NAL	LC-QQQ
Bifenazate	ND	ug/kg		3000	10	3.67	25.0	B4D0315	NAL	LC-QQQ
Bifenthrin	ND	ug/kg		500	10	9.44	12.5	B4D0315	NAL	LC-QQQ
Boscalid	ND	ug/kg		3000	10	18.2	50.0	B4D0315	NAL	LC-QQQ
Carbaryl	ND	ug/kg		500	10	7.22	25.0	B4D0315	NAL	LC-QQQ
Carbofuran	ND	ug/kg		100	10	2.29	12.5	B4D0315	NAL	LC-QQQ
Chlorantraniliprole	ND	ug/kg		3000	10	5.11	125	B4D0315	NAL	LC-QQQ
Chloromequat chloride	ND	ug/kg		3000	10	9.36	50.0	B4D0315	NAL	LC-QQQ
Chlorpyrifos	ND	ug/kg		100	10	4.42	25.0	B4D0315	NAL	LC-QQQ
Clofentezine	ND	ug/kg		500	10	14.9	25.0	B4D0315	NAL	LC-QQQ
Coumaphos	ND	ug/kg		100	10	4.49	25.0	B4D0315	NAL	LC-QQQ
Cyfluthrin	ND	ug/kg		1000	10	26.7	50.0	B4D0315	NAL	LC-QQQ
Cypermethrin	ND	ug/kg		1000	10	11.4	125	B4D0315	NAL	LC-QQQ
Daminozide	ND	ug/kg		100	10	6.32	50.0	B4D0315	NAL	LC-QQQ
Diazinon	ND	ug/kg		200	10	3.19	12.5	B4D0315	NAL	LC-QQQ
Dichlorvos	ND	ug/kg		100	10	5.79	50.0	B4D0315	NAL	LC-QQQ
Dimethoate	ND	ug/kg		100	10	1.29	12.5	B4D0315	NAL	LC-QQQ
Dimethomorph, Total	ND	ug/kg		3000	10	2.50	50.0	B4D0315	NAL	LC-QQQ
Ethoprophos	ND	ug/kg		100	10	2.36	12.5	B4D0315	NAL	LC-QQQ
Etofenprox	ND	ug/kg		100	10	12.7	25.0	B4D0315	NAL	LC-QQQ
Etoxazole	ND	ug/kg		1500	10	15.4	25.0	B4D0315	NAL	LC-QQQ
Fenhexamid	ND	ug/kg		3000	10	5.42	50.0	B4D0315	NAL	LC-QQQ
Fenoxycarb	ND	ug/kg		100	10	4.69	25.0	B4D0315	NAL	LC-QQQ
Fenpyroximate	ND	ug/kg		2000	10	5.52	12.5	B4D0315	NAL	LC-QQQ
Fipronil	ND	ug/kg		100	10	14.3	50.0	B4D0315	NAL	LC-QQQ
Flonicamid	ND	ug/kg		2000	10	6.91	25.0	B4D0315	NAL	LC-QQQ
Fludioxonil	ND	ug/kg		3000	10	11.0	50.0	B4D0315	NAL	LC-QQQ
Hexythiazox	ND	ug/kg		2000	10	5.86	12.5	B4D0315	NAL	LC-QQQ
Imazalil	ND	ug/kg		100	10	9.60	50.0	B4D0315	NAL	LC-QQQ
Imidacloprid	ND	ug/kg		3000	10	17.3	25.0	B4D0315	NAL	LC-QQQ
Kresoxim-Methyl	ND	ug/kg		1000	10	7.62	25.0	B4D0315	NAL	LC-QQQ
Malathion	ND	ug/kg		2000	10	10.7	50.0	B4D0315	NAL	LC-QQQ
Metalaxyl	ND	ug/kg		3000	10	4.47	12.5	B4D0315	NAL	LC-QQQ
Methiocarb	ND	ug/kg		100	10	11.8	25.0	B4D0315	NAL	LC-QQQ
Methomyl	ND	ug/kg		100	10	4.43	12.5	B4D0315	NAL	LC-QQQ
Mevinphos	ND	ug/kg		100	10	9.28	25.0	B4D0315	NAL	LC-QQQ
Myclobutanil	ND	ug/kg		3000	10	16.3	25.0	B4D0315	NAL	LC-QQQ
Dibrom (Naled)	ND	ug/kg		500	10	6.03	50.0	B4D0315	NAL	LC-QQQ
Oxamyl	ND	ug/kg		500	10	2.33	12.5	B4D0315	NAL	LC-QQQ
Pacllobutrazol	ND	ug/kg		100	10	12.2	25.0	B4D0315	NAL	LC-QQQ
Permethrin	ND	ug/kg		1000	10	16.3	25.0	B4D0315	NAL	LC-QQQ

**Sample Results**  
(Continued)

**Sample: Stigma Peach Iced Tea ID03018-02 (Beverage)**

**Pesticides by LC-QQQ**

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Phosmet	ND	ug/kg		200	10	9.17	25.0	B4D0315	NAL	LC-QQQ
Piperonyl butoxide	ND	ug/kg		3000	10	5.82	12.5	B4D0315	NAL	LC-QQQ
Prallethrin	ND	ug/kg		400	10	5.52	25.0	B4D0315	NAL	LC-QQQ
Propiconazole (Tilt)	ND	ug/kg		1000	10	17.9	50.0	B4D0315	NAL	LC-QQQ
Baygon (Propoxur)	ND	ug/kg		100	10	5.44	12.5	B4D0315	NAL	LC-QQQ
Pyrethrins, Total	ND	ug/kg		1000	10	11.0	50.0	B4D0315	NAL	LC-QQQ
Pyridaben	ND	ug/kg		3000	10	6.26	12.5	B4D0315	NAL	LC-QQQ
Spinetoram, Total	ND	ug/kg		3000	10	11.7	50.0	B4D0315	NAL	LC-QQQ
Spiromesifen	ND	ug/kg		3000	10	2.24	12.5	B4D0315	NAL	LC-QQQ
Spirotetramat	ND	ug/kg		3000	10	6.67	25.0	B4D0315	NAL	LC-QQQ
Spiroxamine	ND	ug/kg		100	10	6.81	12.5	B4D0315	NAL	LC-QQQ
Tebuconazole	ND	ug/kg		1000	10	19.0	25.0	B4D0315	NAL	LC-QQQ
Thiacloprid	ND	ug/kg		100	10	14.4	25.0	B4D0315	NAL	LC-QQQ
Thiamethoxam	ND	ug/kg		1000	10	15.9	25.0	B4D0315	NAL	LC-QQQ
Trifloxystrobin	ND	ug/kg		3000	10	6.04	12.5	B4D0315	NAL	LC-QQQ
Spinosad, Total	ND	ug/kg		3000	10	4.44	36.2	B4D0315	NAL	LC-QQQ

**Pesticides by GC-QQQ**

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Pentachloronitrobenzene (quintozene)	ND	ug/kg		200	5	34.2	75.0	B4D0315	MAH	GC-QQQ
Methyl parathion	ND	ug/kg		100	5	17.1	75.0	B4D0315	MAH	GC-QQQ
Captan	ND	ug/kg		3000	5	49.2	75.0	B4D0315	MAH	GC-QQQ
Chlordane, Total	ND	ug/kg		100	5	39.0	75.0	B4D0315	MAH	GC-QQQ
Chlorfenapyr	ND	ug/kg		100	5	43.6	75.0	B4D0315	MAH	GC-QQQ



**Sample Results**  
(Continued)

**Sample: Stigma Peach Iced Tea ID03018-02 (Beverage)**

**Residual Solvents by GC/MS-HS**

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Propane	ND	mg/kg		5000	1	102	254	B4D0320	VC	RS-GCMS-HS
n-Butane	ND	mg/kg		5000	1	102	254	B4D0320	VC	RS-GCMS-HS
Methanol	ND	mg/kg		250	1	25.4	102	B4D0320	VC	RS-GCMS-HS
Ethylene Oxide	ND	mg/kg		5	1	0.508	2.54	B4D0320	VC	RS-GCMS-HS
Ethanol	151	mg/kg		5000	1	102	254	B4D0320	VC	RS-GCMS-HS
Pentane	ND	mg/kg		750	1	76.1	254	B4D0320	VC	RS-GCMS-HS
Ethyl Ether	ND	mg/kg		500	1	50.8	254	B4D0320	VC	RS-GCMS-HS
Acetone	ND	mg/kg		750	1	76.1	254	B4D0320	VC	RS-GCMS-HS
1,1-Dichloroethylene	ND	mg/kg		8	1	0.312	1.52	B4D0320	VC	RS-GCMS-HS
Isopropyl Alcohol (2-Propanol)	ND	mg/kg		500	1	50.8	254	B4D0320	VC	RS-GCMS-HS
Acetonitrile	ND	mg/kg		60	1	6.09	30.5	B4D0320	VC	RS-GCMS-HS
Methylene Chloride	ND	mg/kg		125	1	12.7	50.8	B4D0320	VC	RS-GCMS-HS
Hexane	ND	mg/kg		250	1	25.4	127	B4D0320	VC	RS-GCMS-HS
Ethyl Acetate	ND	mg/kg		400	1	40.6	203	B4D0320	VC	RS-GCMS-HS
Chloroform	ND	mg/kg		2	1	0.140	1.02	B4D0320	VC	RS-GCMS-HS
1,2-Dichloroethane	ND	mg/kg		2	1	0.183	1.02	B4D0320	VC	RS-GCMS-HS
Benzene	ND	mg/kg		1	1	0.0582	0.102	B4D0320	VC	RS-GCMS-HS
Heptane	ND	mg/kg		5000	1	102	254	B4D0320	VC	RS-GCMS-HS
Trichloroethene (Trichloroethylene)	ND	mg/kg		25	1	0.273	1.52	B4D0320	VC	RS-GCMS-HS
Toluene	ND	mg/kg		150	1	15.2	76.1	B4D0320	VC	RS-GCMS-HS
m/p-Xylenes	ND	mg/kg		100	1	7.61	30.5	B4D0320	VC	RS-GCMS-HS
o-xylene	ND	mg/kg		50	1	7.61	30.5	B4D0320	VC	RS-GCMS-HS

## Sample Results

### Sample: Stigma Club Soda ID03018-03 (Beverage)

#### Pesticides by LC-QQQ

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Abamectin, Total	ND	ug/kg		300	10	12.3	50.0	B4D0315	NAL	LC-QQQ
Acephate	ND	ug/kg		3000	10	9.78	25.0	B4D0315	NAL	LC-QQQ
Acequinocyl	ND	ug/kg		2000	10	11.7	50.0	B4D0315	NAL	LC-QQQ
Acetamiprid	ND	ug/kg		3000	10	15.1	25.0	B4D0315	NAL	LC-QQQ
Aldicarb	ND	ug/kg		100	10	12.9	25.0	B4D0315	NAL	LC-QQQ
Azoxystrobin	ND	ug/kg		3000	10	3.26	9.99	B4D0315	NAL	LC-QQQ
Bifenazate	ND	ug/kg		3000	10	3.67	25.0	B4D0315	NAL	LC-QQQ
Bifenthrin	ND	ug/kg		500	10	9.43	12.5	B4D0315	NAL	LC-QQQ
Boscalid	ND	ug/kg		3000	10	18.2	50.0	B4D0315	NAL	LC-QQQ
Carbaryl	ND	ug/kg		500	10	7.22	25.0	B4D0315	NAL	LC-QQQ
Carbofuran	ND	ug/kg		100	10	2.29	12.5	B4D0315	NAL	LC-QQQ
Chlorantraniliprole	ND	ug/kg		3000	10	5.11	125	B4D0315	NAL	LC-QQQ
Chloromequat chloride	ND	ug/kg		3000	10	9.36	50.0	B4D0315	NAL	LC-QQQ
Chlorpyrifos	ND	ug/kg		100	10	4.42	25.0	B4D0315	NAL	LC-QQQ
Clofentezine	ND	ug/kg		500	10	14.9	25.0	B4D0315	NAL	LC-QQQ
Coumaphos	ND	ug/kg		100	10	4.49	25.0	B4D0315	NAL	LC-QQQ
Cyfluthrin	ND	ug/kg		1000	10	26.7	50.0	B4D0315	NAL	LC-QQQ
Cypermethrin	ND	ug/kg		1000	10	11.4	125	B4D0315	NAL	LC-QQQ
Daminozide	ND	ug/kg		100	10	6.32	50.0	B4D0315	NAL	LC-QQQ
Diazinon	ND	ug/kg		200	10	3.19	12.5	B4D0315	NAL	LC-QQQ
Dichlorvos	ND	ug/kg		100	10	5.79	50.0	B4D0315	NAL	LC-QQQ
Dimethoate	ND	ug/kg		100	10	1.29	12.5	B4D0315	NAL	LC-QQQ
Dimethomorph, Total	ND	ug/kg		3000	10	2.50	50.0	B4D0315	NAL	LC-QQQ
Ethoprophos	ND	ug/kg		100	10	2.36	12.5	B4D0315	NAL	LC-QQQ
Etofenprox	ND	ug/kg		100	10	12.7	25.0	B4D0315	NAL	LC-QQQ
Etoxazole	ND	ug/kg		1500	10	15.4	25.0	B4D0315	NAL	LC-QQQ
Fenhexamid	ND	ug/kg		3000	10	5.41	50.0	B4D0315	NAL	LC-QQQ
Fenoxycarb	ND	ug/kg		100	10	4.69	25.0	B4D0315	NAL	LC-QQQ
Fenpyroximate	ND	ug/kg		2000	10	5.52	12.5	B4D0315	NAL	LC-QQQ
Fipronil	ND	ug/kg		100	10	14.3	50.0	B4D0315	NAL	LC-QQQ
Flonicamid	ND	ug/kg		2000	10	6.91	25.0	B4D0315	NAL	LC-QQQ
Fludioxonil	ND	ug/kg		3000	10	11.0	50.0	B4D0315	NAL	LC-QQQ
Hexythiazox	ND	ug/kg		2000	10	5.86	12.5	B4D0315	NAL	LC-QQQ
Imazalil	ND	ug/kg		100	10	9.60	50.0	B4D0315	NAL	LC-QQQ
Imidacloprid	ND	ug/kg		3000	10	17.3	25.0	B4D0315	NAL	LC-QQQ
Kresoxim-Methyl	ND	ug/kg		1000	10	7.61	25.0	B4D0315	NAL	LC-QQQ
Malathion	ND	ug/kg		2000	10	10.7	50.0	B4D0315	NAL	LC-QQQ
Metalaxyl	ND	ug/kg		3000	10	4.47	12.5	B4D0315	NAL	LC-QQQ
Methiocarb	ND	ug/kg		100	10	11.8	25.0	B4D0315	NAL	LC-QQQ
Methomyl	ND	ug/kg		100	10	4.42	12.5	B4D0315	NAL	LC-QQQ
Mevinphos	ND	ug/kg		100	10	9.28	25.0	B4D0315	NAL	LC-QQQ
Myclobutanil	ND	ug/kg		3000	10	16.3	25.0	B4D0315	NAL	LC-QQQ
Dibrom (Naled)	ND	ug/kg		500	10	6.03	50.0	B4D0315	NAL	LC-QQQ
Oxamyl	ND	ug/kg		500	10	2.33	12.5	B4D0315	NAL	LC-QQQ
Pacllobutrazol	ND	ug/kg		100	10	12.2	25.0	B4D0315	NAL	LC-QQQ
Permethrin	ND	ug/kg		1000	10	16.3	25.0	B4D0315	NAL	LC-QQQ

## Sample Results

(Continued)

### Sample: Stigma Club Soda ID03018-03 (Beverage)

#### Pesticides by LC-QQQ

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Phosmet	ND	ug/kg		200	10	9.16	25.0	B4D0315	NAL	LC-QQQ
Piperonyl butoxide	ND	ug/kg		3000	10	5.81	12.5	B4D0315	NAL	LC-QQQ
Prallethrin	ND	ug/kg		400	10	5.52	25.0	B4D0315	NAL	LC-QQQ
Propiconazole (Tilt)	ND	ug/kg		1000	10	17.9	50.0	B4D0315	NAL	LC-QQQ
Baygon (Propoxur)	ND	ug/kg		100	10	5.44	12.5	B4D0315	NAL	LC-QQQ
Pyrethrins, Total	ND	ug/kg		1000	10	11.0	50.0	B4D0315	NAL	LC-QQQ
Pyridaben	ND	ug/kg		3000	10	6.25	12.5	B4D0315	NAL	LC-QQQ
Spinetoram, Total	ND	ug/kg		3000	10	11.7	50.0	B4D0315	NAL	LC-QQQ
Spiromesifen	ND	ug/kg		3000	10	2.24	12.5	B4D0315	NAL	LC-QQQ
Spirotetramat	ND	ug/kg		3000	10	6.67	25.0	B4D0315	NAL	LC-QQQ
Spiroxamine	ND	ug/kg		100	10	6.81	12.5	B4D0315	NAL	LC-QQQ
Tebuconazole	ND	ug/kg		1000	10	19.0	25.0	B4D0315	NAL	LC-QQQ
Thiacloprid	ND	ug/kg		100	10	14.4	25.0	B4D0315	NAL	LC-QQQ
Thiamethoxam	ND	ug/kg		1000	10	15.9	25.0	B4D0315	NAL	LC-QQQ
Trifloxystrobin	ND	ug/kg		3000	10	6.04	12.5	B4D0315	NAL	LC-QQQ
Spinosad, Total	ND	ug/kg		3000	10	4.44	36.2	B4D0315	NAL	LC-QQQ

#### Pesticides by GC-QQQ

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Pentachloronitrobenzene (quintozene)	ND	ug/kg		200	5	34.2	74.9	B4D0315	MAH	GC-QQQ
Methyl parathion	ND	ug/kg		100	5	17.1	74.9	B4D0315	MAH	GC-QQQ
Captan	ND	ug/kg		3000	5	49.2	74.9	B4D0315	MAH	GC-QQQ
Chlordane, Total	ND	ug/kg		100	5	39.0	74.9	B4D0315	MAH	GC-QQQ
Chlorfenapyr	ND	ug/kg		100	5	43.6	74.9	B4D0315	MAH	GC-QQQ

## Sample Results

(Continued)

### Sample: Stigma Club Soda ID03018-03 (Beverage)

#### Residual Solvents by GC/MS-HS

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Propane	ND	mg/kg		5000	1	88.9	222	B4D0320	VC	RS-GCMS-HS
n-Butane	ND	mg/kg		5000	1	88.9	222	B4D0320	VC	RS-GCMS-HS
Methanol	ND	mg/kg		250	1	22.2	88.9	B4D0320	VC	RS-GCMS-HS
Ethylene Oxide	ND	mg/kg		5	1	0.444	2.22	B4D0320	VC	RS-GCMS-HS
Ethanol	ND	mg/kg		5000	1	88.9	222	B4D0320	VC	RS-GCMS-HS
Pentane	ND	mg/kg		750	1	66.7	222	B4D0320	VC	RS-GCMS-HS
Ethyl Ether	ND	mg/kg		500	1	44.4	222	B4D0320	VC	RS-GCMS-HS
Acetone	ND	mg/kg		750	1	66.7	222	B4D0320	VC	RS-GCMS-HS
1,1-Dichloroethylene	ND	mg/kg		8	1	0.273	1.33	B4D0320	VC	RS-GCMS-HS
Isopropyl Alcohol (2-Propanol)	ND	mg/kg		500	1	44.4	222	B4D0320	VC	RS-GCMS-HS
Acetonitrile	ND	mg/kg		60	1	5.33	26.7	B4D0320	VC	RS-GCMS-HS
Methylene Chloride	ND	mg/kg		125	1	11.1	44.4	B4D0320	VC	RS-GCMS-HS
Hexane	ND	mg/kg		250	1	22.2	111	B4D0320	VC	RS-GCMS-HS
Ethyl Acetate	ND	mg/kg		400	1	35.6	178	B4D0320	VC	RS-GCMS-HS
Chloroform	ND	mg/kg		2	1	0.123	0.889	B4D0320	VC	RS-GCMS-HS
1,2-Dichloroethane	ND	mg/kg		2	1	0.160	0.889	B4D0320	VC	RS-GCMS-HS
Benzene	ND	mg/kg		1	1	0.0509	0.0889	B4D0320	VC	RS-GCMS-HS
Heptane	ND	mg/kg		5000	1	88.9	222	B4D0320	VC	RS-GCMS-HS
Trichloroethene (Trichloroethylene)	ND	mg/kg		25	1	0.239	1.33	B4D0320	VC	RS-GCMS-HS
Toluene	ND	mg/kg		150	1	13.3	66.7	B4D0320	VC	RS-GCMS-HS
m/p-Xylenes	ND	mg/kg		100	1	6.67	26.7	B4D0320	VC	RS-GCMS-HS
o-xylene	ND	mg/kg		50	1	6.67	26.7	B4D0320	VC	RS-GCMS-HS

## Sample Results

### Sample: Stigma Lime Seltzer ID03018-04 (Beverage)

#### Pesticides by LC-QQQ

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Abamectin, Total	ND	ug/kg		300	10	12.3	49.9	B4D0315	NAL	LC-QQQ
Acephate	ND	ug/kg		3000	10	9.76	24.9	B4D0315	NAL	LC-QQQ
Acequinocyl	ND	ug/kg		2000	10	11.6	49.9	B4D0315	NAL	LC-QQQ
Acetamiprid	ND	ug/kg		3000	10	15.1	24.9	B4D0315	NAL	LC-QQQ
Aldicarb	ND	ug/kg		100	10	12.8	24.9	B4D0315	NAL	LC-QQQ
Azoxystrobin	ND	ug/kg		3000	10	3.25	9.97	B4D0315	NAL	LC-QQQ
Bifenazate	ND	ug/kg		3000	10	3.66	24.9	B4D0315	NAL	LC-QQQ
Bifenthrin	ND	ug/kg		500	10	9.41	12.5	B4D0315	NAL	LC-QQQ
Boscalid	ND	ug/kg		3000	10	18.2	49.9	B4D0315	NAL	LC-QQQ
Carbaryl	ND	ug/kg		500	10	7.21	24.9	B4D0315	NAL	LC-QQQ
Carbofuran	ND	ug/kg		100	10	2.28	12.5	B4D0315	NAL	LC-QQQ
Chlorantraniliprole	ND	ug/kg		3000	10	5.10	125	B4D0315	NAL	LC-QQQ
Chloromequat chloride	ND	ug/kg		3000	10	9.34	49.9	B4D0315	NAL	LC-QQQ
Chlorpyrifos	ND	ug/kg		100	10	4.41	24.9	B4D0315	NAL	LC-QQQ
Clofentezine	ND	ug/kg		500	10	14.9	24.9	B4D0315	NAL	LC-QQQ
Coumaphos	ND	ug/kg		100	10	4.48	24.9	B4D0315	NAL	LC-QQQ
Cyfluthrin	ND	ug/kg		1000	10	26.6	49.9	B4D0315	NAL	LC-QQQ
Cypermethrin	ND	ug/kg		1000	10	11.3	125	B4D0315	NAL	LC-QQQ
Daminozide	ND	ug/kg		100	10	6.31	49.9	B4D0315	NAL	LC-QQQ
Diazinon	ND	ug/kg		200	10	3.19	12.5	B4D0315	NAL	LC-QQQ
Dichlorvos	ND	ug/kg		100	10	5.78	49.9	B4D0315	NAL	LC-QQQ
Dimethoate	ND	ug/kg		100	10	1.29	12.5	B4D0315	NAL	LC-QQQ
Dimethomorph, Total	ND	ug/kg		3000	10	2.49	49.9	B4D0315	NAL	LC-QQQ
Ethoprophos	ND	ug/kg		100	10	2.36	12.5	B4D0315	NAL	LC-QQQ
Etofenprox	ND	ug/kg		100	10	12.7	24.9	B4D0315	NAL	LC-QQQ
Etoxazole	ND	ug/kg		1500	10	15.4	24.9	B4D0315	NAL	LC-QQQ
Fenhexamid	ND	ug/kg		3000	10	5.40	49.9	B4D0315	NAL	LC-QQQ
Fenoxycarb	ND	ug/kg		100	10	4.68	24.9	B4D0315	NAL	LC-QQQ
Fenpyroximate	ND	ug/kg		2000	10	5.51	12.5	B4D0315	NAL	LC-QQQ
Fipronil	ND	ug/kg		100	10	14.3	49.9	B4D0315	NAL	LC-QQQ
Flonicamid	ND	ug/kg		2000	10	6.90	24.9	B4D0315	NAL	LC-QQQ
Fludioxonil	ND	ug/kg		3000	10	11.0	49.9	B4D0315	NAL	LC-QQQ
Hexythiazox	ND	ug/kg		2000	10	5.85	12.5	B4D0315	NAL	LC-QQQ
Imazalil	ND	ug/kg		100	10	9.58	49.9	B4D0315	NAL	LC-QQQ
Imidacloprid	ND	ug/kg		3000	10	17.2	24.9	B4D0315	NAL	LC-QQQ
Kresoxim-Methyl	ND	ug/kg		1000	10	7.60	24.9	B4D0315	NAL	LC-QQQ
Malathion	ND	ug/kg		2000	10	10.7	49.9	B4D0315	NAL	LC-QQQ
Metalaxyl	ND	ug/kg		3000	10	4.46	12.5	B4D0315	NAL	LC-QQQ
Methiocarb	ND	ug/kg		100	10	11.8	24.9	B4D0315	NAL	LC-QQQ
Methomyl	ND	ug/kg		100	10	4.41	12.5	B4D0315	NAL	LC-QQQ
Mevinphos	ND	ug/kg		100	10	9.26	24.9	B4D0315	NAL	LC-QQQ
Myclobutanil	ND	ug/kg		3000	10	16.3	24.9	B4D0315	NAL	LC-QQQ
Dibrom (Naled)	ND	ug/kg		500	10	6.02	49.9	B4D0315	NAL	LC-QQQ
Oxamyl	ND	ug/kg		500	10	2.33	12.5	B4D0315	NAL	LC-QQQ
Pacllobutrazol	ND	ug/kg		100	10	12.2	24.9	B4D0315	NAL	LC-QQQ
Permethrin	ND	ug/kg		1000	10	16.3	24.9	B4D0315	NAL	LC-QQQ

**Sample Results**  
(Continued)

**Sample: Stigma Lime Seltzer ID03018-04 (Beverage)**

**Pesticides by LC-QQQ**

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Phosmet	ND	ug/kg		200	10	9.15	24.9	B4D0315	NAL	LC-QQQ
Piperonyl butoxide	ND	ug/kg		3000	10	5.80	12.5	B4D0315	NAL	LC-QQQ
Prallethrin	ND	ug/kg		400	10	5.50	24.9	B4D0315	NAL	LC-QQQ
Propiconazole (Tilt)	ND	ug/kg		1000	10	17.9	49.9	B4D0315	NAL	LC-QQQ
Baygon (Propoxur)	ND	ug/kg		100	10	5.43	12.5	B4D0315	NAL	LC-QQQ
Pyrethrins, Total	ND	ug/kg		1000	10	10.9	49.9	B4D0315	NAL	LC-QQQ
Pyridaben	ND	ug/kg		3000	10	6.24	12.5	B4D0315	NAL	LC-QQQ
Spinetoram, Total	ND	ug/kg		3000	10	11.7	49.9	B4D0315	NAL	LC-QQQ
Spiromesifen	ND	ug/kg		3000	10	2.23	12.5	B4D0315	NAL	LC-QQQ
Spirotetramat	ND	ug/kg		3000	10	6.66	24.9	B4D0315	NAL	LC-QQQ
Spiroxamine	ND	ug/kg		100	10	6.80	12.5	B4D0315	NAL	LC-QQQ
Tebuconazole	ND	ug/kg		1000	10	18.9	24.9	B4D0315	NAL	LC-QQQ
Thiacloprid	ND	ug/kg		100	10	14.4	24.9	B4D0315	NAL	LC-QQQ
Thiamethoxam	ND	ug/kg		1000	10	15.9	24.9	B4D0315	NAL	LC-QQQ
Trifloxystrobin	ND	ug/kg		3000	10	6.03	12.5	B4D0315	NAL	LC-QQQ
Spinosad, Total	ND	ug/kg		3000	10	4.43	36.1	B4D0315	NAL	LC-QQQ

**Pesticides by GC-QQQ**

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Pentachloronitrobenzene (quintozene)	ND	ug/kg		200	5	34.2	74.8	B4D0315	MAH	GC-QQQ
Methyl parathion	ND	ug/kg		100	5	17.1	74.8	B4D0315	MAH	GC-QQQ
Captan	ND	ug/kg		3000	5	49.1	74.8	B4D0315	MAH	GC-QQQ
Chlordane, Total	ND	ug/kg		100	5	38.9	74.8	B4D0315	MAH	GC-QQQ
Chlorfenapyr	ND	ug/kg		100	5	43.5	74.8	B4D0315	MAH	GC-QQQ

## Sample Results

(Continued)

### Sample: Stigma Lime Seltzer ID03018-04 (Beverage)

#### Residual Solvents by GC/MS-HS

Analyte	Result	Units	Qual.	Reg. Limit	Dil.	MDL	PQL	Batch	Analyst	Method
Propane	ND	mg/kg		5000	1	94.3	236	B4D0320	VC	RS-GCMS-HS
n-Butane	ND	mg/kg		5000	1	94.3	236	B4D0320	VC	RS-GCMS-HS
Methanol	ND	mg/kg		250	1	23.6	94.3	B4D0320	VC	RS-GCMS-HS
Ethylene Oxide	ND	mg/kg		5	1	0.472	2.36	B4D0320	VC	RS-GCMS-HS
Ethanol	412	mg/kg		5000	1	94.3	236	B4D0320	VC	RS-GCMS-HS
Pentane	ND	mg/kg		750	1	70.8	236	B4D0320	VC	RS-GCMS-HS
Ethyl Ether	ND	mg/kg		500	1	47.2	236	B4D0320	VC	RS-GCMS-HS
Acetone	ND	mg/kg		750	1	70.8	236	B4D0320	VC	RS-GCMS-HS
1,1-Dichloroethylene	ND	mg/kg		8	1	0.290	1.42	B4D0320	VC	RS-GCMS-HS
Isopropyl Alcohol (2-Propanol)	ND	mg/kg		500	1	47.2	236	B4D0320	VC	RS-GCMS-HS
Acetonitrile	ND	mg/kg		60	1	5.66	28.3	B4D0320	VC	RS-GCMS-HS
Methylene Chloride	ND	mg/kg		125	1	11.8	47.2	B4D0320	VC	RS-GCMS-HS
Hexane	ND	mg/kg		250	1	23.6	118	B4D0320	VC	RS-GCMS-HS
Ethyl Acetate	ND	mg/kg		400	1	37.7	189	B4D0320	VC	RS-GCMS-HS
Chloroform	ND	mg/kg		2	1	0.130	0.943	B4D0320	VC	RS-GCMS-HS
1,2-Dichloroethane	ND	mg/kg		2	1	0.170	0.943	B4D0320	VC	RS-GCMS-HS
Benzene	ND	mg/kg		1	1	0.0541	0.0943	B4D0320	VC	RS-GCMS-HS
Heptane	ND	mg/kg		5000	1	94.3	236	B4D0320	VC	RS-GCMS-HS
Trichloroethene (Trichloroethylene)	ND	mg/kg		25	1	0.254	1.42	B4D0320	VC	RS-GCMS-HS
Toluene	ND	mg/kg		150	1	14.2	70.8	B4D0320	VC	RS-GCMS-HS
m/p-Xylenes	ND	mg/kg		100	1	7.08	28.3	B4D0320	VC	RS-GCMS-HS
o-xylene	ND	mg/kg		50	1	7.08	28.3	B4D0320	VC	RS-GCMS-HS

## Quality Control

### Pesticides by GC-QQQ

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep**

**Blank (B4D0315-BLK1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 17:45

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pentachloronitrobenzene (quintozene)	ND		34.2	74.8	ug/kg						
Methyl parathion	ND		17.1	74.8	ug/kg						
Captan	ND		49.1	74.8	ug/kg						
Chlordane, Total	ND		38.9	74.8	ug/kg						
Chlorfenapyr	ND		43.5	74.8	ug/kg						

**LCS (B4D0315-BS1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 18:09

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pentachloronitrobenzene (quintozene)	2220		34.2	75.0	ug/kg	2500		88.7	70-130		
Methyl parathion	1900		17.1	75.0	ug/kg	2500		76.2	70-130		
Captan	1460		49.2	75.0	ug/kg	2500		58.2	70-130		
Chlordane, Total	1930		39.0	75.0	ug/kg	2500		77.3	70-130		
Chlorfenapyr	1940		43.6	75.0	ug/kg	2500		77.7	70-130		

**LCS Dup (B4D0315-BSD1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 18:33

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pentachloronitrobenzene (quintozene)	2180		34.2	75.0	ug/kg	2500		87.1	70-130	1.82	20
Methyl parathion	2100		17.1	75.0	ug/kg	2500		83.8	70-130	9.61	20
Captan	1390		49.2	75.0	ug/kg	2500		55.5	70-130	4.73	20
Chlordane, Total	2070		39.0	75.0	ug/kg	2500		83.0	70-130	7.10	20
Chlorfenapyr	1920		43.6	75.0	ug/kg	2500		76.7	70-130	1.23	20

**Duplicate (B4D0315-DUP1)**

Source: ID03003-01

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 18:58

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pentachloronitrobenzene (quintozene)	ND		34.2	74.9	ug/kg		34.2 U				20
Methyl parathion	ND		17.1	74.9	ug/kg		17.1 U				20
Captan	ND		49.2	74.9	ug/kg		49.2 U				20
Chlordane, Total	ND		39.0	74.9	ug/kg		39.0 U				20
Chlorfenapyr	ND		43.5	74.9	ug/kg		43.5 U				20

**Matrix Spike (B4D0315-MS1)**

Source: ID03019-03

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 19:22

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pentachloronitrobenzene (quintozene)	2170		34.1	74.7	ug/kg	2490	34.1 U	87.3	62.9-123		
Methyl parathion	2000		17.0	74.7	ug/kg	2490	17.0 U	80.5	55.4-127		
Captan	1190		49.1	74.7	ug/kg	2490	49.1 U	47.7	0-100		
Chlordane, Total	2010		38.8	74.7	ug/kg	2490	38.8 U	80.6	61.6-141		
Chlorfenapyr	1950		43.4	74.7	ug/kg	2490	43.4 U	78.4	33.1-140		

**Matrix Spike Dup (B4D0315-MSD1)**

Source: ID03019-03

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 19:46

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pentachloronitrobenzene (quintozene)	2170		34.1	74.8	ug/kg	2490	34.1 U	87.2	62.9-123	0.0286	20
Methyl parathion	2120		17.0	74.8	ug/kg	2490	17.0 U	85.2	55.4-127	5.74	20

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.  
No duplication of this report is allowed, except in its entirety.



## Quality Control

### Pesticides by GC-QQQ (Continued)

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep (Continued)**

**Matrix Spike Dup (B4D0315-MSD1)**

**Source: ID03019-03**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 19:46

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Captan	996		49.1	74.8	ug/kg	2490	49.1 U	40.0	0-100	17.6	20
Chlordane, Total	2060		38.9	74.8	ug/kg	2490	38.9 U	82.7	61.6-141	2.66	20
Chlorfenapyr	1910		43.5	74.8	ug/kg	2490	43.5 U	76.6	33.1-140	2.33	20

## Quality Control

### Pesticides by LC-QQQ

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep**

**Blank (B4D0315-BLK1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 20:34

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin, Total	ND		12.3	49.9	ug/kg						
Acephate	ND		9.76	24.9	ug/kg						
Acequinocyl	ND		11.6	49.9	ug/kg						
Acetamiprid	ND		15.1	24.9	ug/kg						
Aldicarb	ND		12.9	24.9	ug/kg						
Azoxystrobin	ND		3.25	9.98	ug/kg						
Bifenazate	ND		3.67	24.9	ug/kg						
Bifenthrin	ND		9.42	12.5	ug/kg						
Boscalid	ND		18.2	49.9	ug/kg						
Carbaryl	ND		7.21	24.9	ug/kg						
Carbofuran	ND		2.28	12.5	ug/kg						
Chlorantraniliprole	ND		5.10	125	ug/kg						
Chloromequat chloride	ND		9.34	49.9	ug/kg						
Chlorpyrifos	ND		4.42	24.9	ug/kg						
Clofentezine	ND		14.9	24.9	ug/kg						
Coumaphos	ND		4.48	24.9	ug/kg						
Cyfluthrin	ND		26.7	49.9	ug/kg						
Cypermethrin	ND		11.3	125	ug/kg						
Daminozide	ND		6.31	49.9	ug/kg						
Diazinon	ND		3.19	12.5	ug/kg						
Dichlorvos	ND		5.78	49.9	ug/kg						
Dimethoate	ND		1.29	12.5	ug/kg						
Dimethomorph, Total	ND		2.49	49.9	ug/kg						
Ethoprophos	ND		2.36	12.5	ug/kg						
Etofenprox	ND		12.7	24.9	ug/kg						
Etoxazole	ND		15.4	24.9	ug/kg						
Fenhexamid	ND		5.41	49.9	ug/kg						
Fenoxycarb	ND		4.68	24.9	ug/kg						
Fenpyroximate	ND		5.51	12.5	ug/kg						
Fipronil	ND		14.3	49.9	ug/kg						
Flonicamid	ND		6.90	24.9	ug/kg						
Fludioxonil	ND		11.0	49.9	ug/kg						
Hexythiazox	ND		5.85	12.5	ug/kg						
Imazalil	ND		9.59	49.9	ug/kg						
Imidacloprid	ND		17.2	24.9	ug/kg						
Kresoxim-Methyl	ND		7.60	24.9	ug/kg						
Malathion	ND		10.7	49.9	ug/kg						
Metalaxyl	ND		4.46	12.5	ug/kg						
Methiocarb	ND		11.8	24.9	ug/kg						
Methomyl	ND		4.42	12.5	ug/kg						
Mevinphos	ND		9.27	24.9	ug/kg						
Myclobutanil	ND		16.3	24.9	ug/kg						
Dibrom (Naled)	ND		6.02	49.9	ug/kg						
Oxamyl	ND		2.33	12.5	ug/kg						
Paclobutrazol	ND		12.2	24.9	ug/kg						
Permethrin	ND		16.3	24.9	ug/kg						
Phosmet	ND		9.15	24.9	ug/kg						
Piperonyl butoxide	ND		5.81	12.5	ug/kg						
Prallethrin	ND		5.51	24.9	ug/kg						
Propiconazole (Tilt)	ND		17.9	49.9	ug/kg						
Bayqon (Propoxur)	ND		5.44	12.5	ug/kg						
Pyrethrins, Total	ND		11.0	49.9	ug/kg						

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.  
No duplication of this report is allowed, except in its entirety.

### Quality Control

**Pesticides by LC-QQQ (Continued)**

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep (Continued)**

**Blank (B4D0315-BLK1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 20:34

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyridaben	ND		6.24	12.5	ug/kg						
Spinetoram, Total	ND		11.7	49.9	ug/kg						
Spiromesifen	ND		2.24	12.5	ug/kg						
Spirotetramat	ND		6.66	24.9	ug/kg						
Spiroxamine	ND		6.80	12.5	ug/kg						
Tebuconazole	ND		18.9	24.9	ug/kg						
Thiacloprid	ND		14.4	24.9	ug/kg						
Thiamethoxam	ND		15.9	24.9	ug/kg						
Trifloxystrobin	ND		6.03	12.5	ug/kg						
Spinosad, Total	ND		4.43	36.2	ug/kg						

**LCS (B4D0315-BS1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 20:48

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin, Total	2440		12.3	50.0	ug/kg	2500		97.5	70-130		
Acephate	2500		9.78	25.0	ug/kg	2500		99.8	70-130		
Acequinocyl	2560		11.7	50.0	ug/kg	2500		102	70-130		
Acetamiprid	2690		15.2	25.0	ug/kg	2500		108	70-130		
Aldicarb	2620		12.9	25.0	ug/kg	2500		105	70-130		
Azoxystrobin	2480		3.26	10.0	ug/kg	2500		99.2	70-130		
Bifenazate	2500		3.67	25.0	ug/kg	2500		99.8	70-130		
Bifenthrin	2630		9.44	12.5	ug/kg	2500		105	70-130		
Boscalid	2570		18.2	50.0	ug/kg	2500		103	70-130		
Carbaryl	2710		7.23	25.0	ug/kg	2500		108	70-130		
Carbofuran	2750		2.29	12.5	ug/kg	2500		110	70-130		
Chlorantraniliprole	2590		5.11	125	ug/kg	2500		104	70-130		
Chloromequat chloride	2480		9.36	50.0	ug/kg	2500		99.2	70-130		
Chlorpyrifos	2360		4.43	25.0	ug/kg	2500		94.6	70-130		
Clofentazine	2650		14.9	25.0	ug/kg	2500		106	70-130		
Coumaphos	2640		4.49	25.0	ug/kg	2500		105	70-130		
Cyfluthrin	2630		26.7	50.0	ug/kg	2500		105	70-130		
Cypermethrin	2620		11.4	125	ug/kg	2500		105	70-130		
Daminozide	1840		6.32	50.0	ug/kg	2500		73.7	70-130		
Diazinon	2420		3.19	12.5	ug/kg	2500		96.9	70-130		
Dichlorvos	2620		5.79	50.0	ug/kg	2500		105	70-130		
Dimethoate	2680		1.29	12.5	ug/kg	2500		107	70-130		
Dimethomorph, Total	2460		2.50	50.0	ug/kg	2500		98.2	70-130		
Ethoprophos	2540		2.36	12.5	ug/kg	2500		102	70-130		
Etofenprox	2600		12.7	25.0	ug/kg	2500		104	70-130		
Etoxazole	2350		15.4	25.0	ug/kg	2500		93.8	70-130		
Fenhexamid	2670		5.42	50.0	ug/kg	2500		107	70-130		
Fenoxycarb	2530		4.69	25.0	ug/kg	2500		101	70-130		
Fenpyroximate	2580		5.53	12.5	ug/kg	2500		103	70-130		
Fipronil	2440		14.3	50.0	ug/kg	2500		97.6	70-130		
Flonicamid	2570		6.92	25.0	ug/kg	2500		103	70-130		
Fludioxonil	2620		11.0	50.0	ug/kg	2500		105	70-130		
Hexythiazox	2550		5.86	12.5	ug/kg	2500		102	70-130		
Imazalil	2470		9.61	50.0	ug/kg	2500		98.8	70-130		
Imidacloprid	2690		17.3	25.0	ug/kg	2500		108	70-130		
Kresoxim-Methyl	2420		7.62	25.0	ug/kg	2500		96.7	70-130		
Malathion	2660		10.7	50.0	ug/kg	2500		106	70-130		

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### Quality Control

**Pesticides by LC-QQQ (Continued)**

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep (Continued)**

**LCS (B4D0315-BS1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 20:48

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Metalaxyl	2720		4.47	12.5	ug/kg	2500		109	70-130		
Methiocarb	2730		11.8	25.0	ug/kg	2500		109	70-130		
Methomyl	2510		4.43	12.5	ug/kg	2500		100	70-130		
Mevinphos	2330		9.29	25.0	ug/kg	2500		93.3	70-130		
Myclobutanil	2640		16.3	25.0	ug/kg	2500		105	70-130		
Dibrom (Naled)	2450		6.04	50.0	ug/kg	2500		98.0	70-130		
Oxamyl	2390		2.34	12.5	ug/kg	2500		95.6	70-130		
Paclobutrazol	2810		12.2	25.0	ug/kg	2500		112	70-130		
Permethrin	2550		16.3	25.0	ug/kg	2500		102	70-130		
Phosmet	2600		9.17	25.0	ug/kg	2500		104	70-130		
Piperonyl butoxide	2450		5.82	12.5	ug/kg	2500		97.9	70-130		
Prallethrin	2530		5.52	25.0	ug/kg	2500		101	70-130		
Propiconazole (Tilt)	2610		17.9	50.0	ug/kg	2500		104	70-130		
Baygon (Propoxur)	2820		5.45	12.5	ug/kg	2500		113	70-130		
Pyrethrins, Total	2310		11.0	50.0	ug/kg	2500		92.2	70-130		
Pyridaben	2560		6.26	12.5	ug/kg	2500		102	70-130		
Spinetoram, Total	2370		11.7	50.0	ug/kg	2500		94.6	70-130		
Spiromesifen	2510		2.24	12.5	ug/kg	2500		100	70-130		
Spirotetramat	2540		6.68	25.0	ug/kg	2500		102	70-130		
Spiroxamine	2350		6.82	12.5	ug/kg	2500		94.0	70-130		
Tebuconazole	2740		19.0	25.0	ug/kg	2500		110	70-130		
Thiacloprid	2660		14.4	25.0	ug/kg	2500		106	70-130		
Thiamethoxam	2480		15.9	25.0	ug/kg	2500		99.1	70-130		
Trifloxystrobin	2490		6.05	12.5	ug/kg	2500		99.5	70-130		
Spinosad, Total	2490		4.44	36.2	ug/kg	2500		99.7	70-130		

**LCS Dup (B4D0315-BSD1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 21:02

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin, Total	2490		12.3	50.0	ug/kg	2500		99.5	70-130	2.04	20
Acephate	2600		9.78	25.0	ug/kg	2500		104	70-130	4.03	20
Acequinocyl	2580		11.7	50.0	ug/kg	2500		103	70-130	0.725	20
Acetamiprid	2700		15.2	25.0	ug/kg	2500		108	70-130	0.200	20
Aldicarb	2700		12.9	25.0	ug/kg	2500		108	70-130	3.02	20
Azoxystrobin	2500		3.26	10.0	ug/kg	2500		99.9	70-130	0.662	20
Bifenazate	2560		3.67	25.0	ug/kg	2500		102	70-130	2.37	20
Bifenthrin	2640		9.44	12.5	ug/kg	2500		106	70-130	0.392	20
Boscalid	2560		18.2	50.0	ug/kg	2500		103	70-130	0.439	20
Carbaryl	2690		7.23	25.0	ug/kg	2500		108	70-130	0.549	20
Carbofuran	2770		2.29	12.5	ug/kg	2500		111	70-130	0.841	20
Chlorantraniliprole	2560		5.11	125	ug/kg	2500		102	70-130	1.28	20
Chloromequat chloride	2560		9.36	50.0	ug/kg	2500		103	70-130	3.38	20
Chlorpyrifos	2370		4.43	25.0	ug/kg	2500		95.0	70-130	0.420	20
Clofentazine	2680		14.9	25.0	ug/kg	2500		107	70-130	0.949	20
Coumaphos	2690		4.49	25.0	ug/kg	2500		108	70-130	2.10	20
Cyfluthrin	2660		26.7	50.0	ug/kg	2500		107	70-130	1.16	20
Cypermethrin	2680		11.4	125	ug/kg	2500		107	70-130	2.41	20
Daminozide	2090		6.32	50.0	ug/kg	2500		83.7	70-130	12.7	20
Diazinon	2440		3.19	12.5	ug/kg	2500		97.7	70-130	0.764	20
Dichlorvos	2700		5.79	50.0	ug/kg	2500		108	70-130	3.31	20
Dimethoate	2760		1.29	12.5	ug/kg	2500		110	70-130	3.07	20

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.  
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### Quality Control

**Pesticides by LC-QQQ (Continued)**

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep (Continued)**

**LCS Dup (B4D0315-BSD1)**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 21:02

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dimethomorph, Total	2440		2.50	50.0	ug/kg	2500		97.7	70-130	0.541	20
Ethoprophos	2590		2.36	12.5	ug/kg	2500		104	70-130	2.08	20
Etofenprox	2640		12.7	25.0	ug/kg	2500		106	70-130	1.77	20
Etoazole	2380		15.4	25.0	ug/kg	2500		95.2	70-130	1.40	20
Fenhexamid	2660		5.42	50.0	ug/kg	2500		107	70-130	0.245	20
Fenoxycarb	2590		4.69	25.0	ug/kg	2500		104	70-130	2.49	20
Fenpyroximate	2620		5.53	12.5	ug/kg	2500		105	70-130	1.55	20
Fipronil	2370		14.3	50.0	ug/kg	2500		94.7	70-130	3.06	20
Flonicamid	2630		6.92	25.0	ug/kg	2500		105	70-130	2.43	20
Fludioxonil	2590		11.0	50.0	ug/kg	2500		104	70-130	0.976	20
Hexythiazox	2590		5.86	12.5	ug/kg	2500		103	70-130	1.28	20
Imazalil	2400		9.61	50.0	ug/kg	2500		96.2	70-130	2.66	20
Imidacloprid	2710		17.3	25.0	ug/kg	2500		108	70-130	0.577	20
Kresoxim-Methyl	2430		7.62	25.0	ug/kg	2500		97.2	70-130	0.461	20
Malathion	2570		10.7	50.0	ug/kg	2500		103	70-130	3.42	20
Metalaxyl	2720		4.47	12.5	ug/kg	2500		109	70-130	0.288	20
Methiocarb	2790		11.8	25.0	ug/kg	2500		111	70-130	2.03	20
Methomyl	2610		4.43	12.5	ug/kg	2500		104	70-130	3.86	20
Mevinphos	2360		9.29	25.0	ug/kg	2500		94.5	70-130	1.26	20
Myclobutanil	2680		16.3	25.0	ug/kg	2500		107	70-130	1.69	20
Dibrom (Naled)	2490		6.04	50.0	ug/kg	2500		99.7	70-130	1.66	20
Oxamyl	2460		2.34	12.5	ug/kg	2500		98.4	70-130	2.80	20
Paclobutrazol	2730		12.2	25.0	ug/kg	2500		109	70-130	2.59	20
Permethrin	2580		16.3	25.0	ug/kg	2500		103	70-130	0.930	20
Phosmet	2570		9.17	25.0	ug/kg	2500		103	70-130	1.43	20
Piperonyl butoxide	2530		5.82	12.5	ug/kg	2500		101	70-130	3.33	20
Prallethrin	2520		5.52	25.0	ug/kg	2500		101	70-130	0.392	20
Propiconazole (Tilt)	2620		17.9	50.0	ug/kg	2500		105	70-130	0.443	20
Baygon (Propoxur)	2860		5.45	12.5	ug/kg	2500		115	70-130	1.61	20
Pyrethrins, Total	2300		11.0	50.0	ug/kg	2500		92.1	70-130	0.107	20
Pyridaben	2550		6.26	12.5	ug/kg	2500		102	70-130	0.0982	20
Spinetoram, Total	2400		11.7	50.0	ug/kg	2500		95.8	70-130	1.25	20
Spiromesifen	2530		2.24	12.5	ug/kg	2500		101	70-130	0.789	20
Spirotetramat	2590		6.68	25.0	ug/kg	2500		104	70-130	1.84	20
Spiroxamine	2330		6.82	12.5	ug/kg	2500		93.1	70-130	0.935	20
Tebuconazole	2680		19.0	25.0	ug/kg	2500		107	70-130	2.26	20
Thiacloprid	2640		14.4	25.0	ug/kg	2500		106	70-130	0.440	20
Thiamethoxam	2550		15.9	25.0	ug/kg	2500		102	70-130	2.93	20
Trifloxystrobin	2520		6.05	12.5	ug/kg	2500		101	70-130	1.46	20
Spinosad, Total	2490		4.44	36.2	ug/kg	2500		99.6	70-130	0.0471	20

**Duplicate (B4D0315-DUP1)**

**Source: ID03003-01**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 22:13

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin, Total	ND		12.3	49.9	ug/kg		12.3 U				20
Acephate	ND		9.77	25.0	ug/kg		9.77 U				20
Acequinocyl	ND		11.7	49.9	ug/kg		11.7 U				20
Acetamiprid	ND		15.1	25.0	ug/kg		15.1 U				20
Aldicarb	ND		12.9	25.0	ug/kg		12.9 U				20
Azoxystrobin	ND		3.26	9.99	ug/kg		3.26 U				20
Bifenazate	ND		3.67	25.0	ug/kg		3.67 U				20

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## Quality Control

### Pesticides by LC-QQQ (Continued)

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep (Continued)**

**Duplicate (B4D0315-DUP1)**

**Source: ID03003-01**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 22:13

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Bifenthrin	ND		9.43	12.5	ug/kg		9.43 U				20
Boscalid	ND		18.2	49.9	ug/kg		18.2 U				20
Carbaryl	ND		7.22	25.0	ug/kg		7.22 U				20
Carbofuran	ND		2.29	12.5	ug/kg		2.29 U				20
Chlorantraniliprole	ND		5.11	125	ug/kg		5.11 U				20
Chloromequat chloride	ND		9.35	49.9	ug/kg		9.35 U				20
Chlorpyrifos	ND		4.42	25.0	ug/kg		4.42 U				20
Clofentezine	ND		14.9	25.0	ug/kg		14.9 U				20
Coumaphos	ND		4.49	25.0	ug/kg		4.49 U				20
Cyfluthrin	ND		26.7	49.9	ug/kg		26.7 U				20
Cypermethrin	ND		11.4	125	ug/kg		11.4 U				20
Daminozide	ND		6.32	49.9	ug/kg		6.32 U				20
Diazinon	ND		3.19	12.5	ug/kg		3.19 U				20
Dichlorvos	ND		5.79	49.9	ug/kg		5.79 U				20
Dimethoate	ND		1.29	12.5	ug/kg		1.29 U				20
Dimethomorph, Total	ND		2.50	49.9	ug/kg		2.50 U				20
Ethoprophos	ND		2.36	12.5	ug/kg		2.36 U				20
Etofenprox	ND		12.7	25.0	ug/kg		12.7 U				20
Etoxazole	ND		15.4	25.0	ug/kg		15.4 U				20
Fenhexamid	ND		5.41	49.9	ug/kg		5.41 U				20
Fenoxycarb	ND		4.68	25.0	ug/kg		4.68 U				20
Fenpyroximate	ND		5.52	12.5	ug/kg		5.52 U				20
Fipronil	ND		14.3	49.9	ug/kg		14.3 U				20
Flonicamid	ND		6.91	25.0	ug/kg		6.91 U				20
Fludioxonil	ND		11.0	49.9	ug/kg		11.0 U				20
Hexythiazox	ND		5.85	12.5	ug/kg		5.85 U				20
Imazalil	ND		9.60	49.9	ug/kg		9.60 U				20
Imidacloprid	ND		17.3	25.0	ug/kg		17.3 U				20
Kresoxim-Methyl	ND		7.61	25.0	ug/kg		7.61 U				20
Malathion	ND		10.7	49.9	ug/kg		10.7 U				20
Metaxyl	ND		4.47	12.5	ug/kg		4.47 U				20
Methiocarb	ND		11.8	25.0	ug/kg		11.8 U				20
Methomyl	ND		4.42	12.5	ug/kg		4.42 U				20
Mevinphos	ND		9.28	25.0	ug/kg		9.28 U				20
Myclobutanil	ND		16.3	25.0	ug/kg		16.3 U				20
Dibrom (Naled)	ND		6.03	49.9	ug/kg		6.03 U				20
Oxamyl	ND		2.33	12.5	ug/kg		2.33 U				20
Paclobutrazol	ND		12.2	25.0	ug/kg		12.2 U				20
Permethrin	ND		16.3	25.0	ug/kg		16.3 U				20
Phosmet	ND		9.16	25.0	ug/kg		9.16 U				20
Piperonyl butoxide	ND		5.81	12.5	ug/kg		5.81 U				20
Prallethrin	ND		5.51	25.0	ug/kg		5.51 U				20
Propiconazole (Tilt)	ND		17.9	49.9	ug/kg		17.9 U				20
Baygon (Propoxur)	ND		5.44	12.5	ug/kg		5.44 U				20
Pyrethrins, Total	ND		11.0	49.9	ug/kg		11.0 U				20
Pyridaben	ND		6.25	12.5	ug/kg		6.25 U				20
Spinetoram, Total	ND		11.7	49.9	ug/kg		11.7 U				20
Spiromesifen	ND		2.24	12.5	ug/kg		2.24 U				20
Spirotetramat	ND		6.67	25.0	ug/kg		6.67 U				20
Spiroxamine	ND		6.81	12.5	ug/kg		6.81 U				20
Tebuconazole	ND		19.0	25.0	ug/kg		19.0 U				20
Thiacloprid	ND		14.4	25.0	ug/kg		14.4 U				20

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## Quality Control

### Pesticides by LC-QQQ (Continued)

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep (Continued)**

**Duplicate (B4D0315-DUP1)**

**Source: ID03003-01**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 22:13

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Thiamethoxam	ND		15.9	25.0	ug/kg		15.9 U				20
Trifloxystrobin	ND		6.04	12.5	ug/kg		6.04 U				20
Spinosad, Total	ND		4.44	36.2	ug/kg		4.44 U				20

**Matrix Spike (B4D0315-MS1)**

**Source: ID03019-03**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 21:16

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin, Total	2460		12.2	49.8	ug/kg	2490	12.2 U	98.6	70-130		
Acephate	2580		9.75	24.9	ug/kg	2490	9.75 U	104	70-130		
Acequinocyl	2550		11.6	49.8	ug/kg	2490	11.6 U	102	70-130		
Acetamiprid	2650		15.1	24.9	ug/kg	2490	15.1 U	107	80.8-138		
Aldicarb	2710		12.8	24.9	ug/kg	2490	12.8 U	109	70-130		
Azoxystrobin	2520		3.25	9.96	ug/kg	2490	3.25 U	101	79-130		
Bifenazate	2810		3.66	24.9	ug/kg	2490	3.66 U	113	39.7-157		
Bifenthrin	2600		9.40	12.5	ug/kg	2490	9.40 U	105	70-130		
Boscalid	2550		18.2	49.8	ug/kg	2490	18.2 U	102	70-130		
Carbaryl	2690		7.20	24.9	ug/kg	2490	7.20 U	108	70-130		
Carbofuran	2700		2.28	12.5	ug/kg	2490	2.28 U	109	77.7-120		
Chlorantraniliprole	2430		5.09	125	ug/kg	2490	5.09 U	97.7	70-130		
Chloromequat chloride	2620		9.33	49.8	ug/kg	2490	9.33 U	105	70-130		
Chlorpyrifos	2360		4.41	24.9	ug/kg	2490	4.41 U	94.6	70-130		
Clofentezine	2570		14.8	24.9	ug/kg	2490	14.8 U	103	70-130		
Coumaphos	2460		4.47	24.9	ug/kg	2490	4.47 U	98.7	76.4-170		
Cyfluthrin	2320		26.6	49.8	ug/kg	2490	26.6 U	93.2	70-130		
Cypermethrin	2490		11.3	125	ug/kg	2490	11.3 U	99.9	70-130		
Daminozide	2300		6.30	49.8	ug/kg	2490	6.30 U	92.4	70-130		
Diazinon	2390		3.18	12.5	ug/kg	2490	3.18 U	96.2	67.2-160		
Dichlorvos	2660		5.77	49.8	ug/kg	2490	5.77 U	107	69.9-140		
Dimethoate	2670		1.28	12.5	ug/kg	2490	1.28 U	107	81.2-128		
Dimethomorph, Total	2430		2.49	49.8	ug/kg	2490	2.49 U	97.5	70-130		
Ethoprophos	2630		2.35	12.5	ug/kg	2490	2.35 U	106	88.4-140		
Etofenprox	2530		12.7	24.9	ug/kg	2490	12.7 U	102	70-130		
Etoxazole	2350		15.3	24.9	ug/kg	2490	15.3 U	94.6	47.9-139		
Fenhexamid	2680		5.40	49.8	ug/kg	2490	5.40 U	108	70-130		
Fenoxycarb	2570		4.67	24.9	ug/kg	2490	4.67 U	103	78.3-163		
Fenpyroximate	2530		5.50	12.5	ug/kg	2490	5.50 U	102	70-130		
Fipronil	2510		14.2	49.8	ug/kg	2490	14.2 U	101	70-130		
Flonicamid	2620		6.89	24.9	ug/kg	2490	6.89 U	105	68.3-159		
Fludioxonil	2590		10.9	49.8	ug/kg	2490	10.9 U	104	70-130		
Hexythiazox	2550		5.84	12.5	ug/kg	2490	5.84 U	102	70-130		
Imazalil	2430		9.57	49.8	ug/kg	2490	9.57 U	97.5	68.7-138		
Imidacloprid	2640		17.2	24.9	ug/kg	2490	17.2 U	106	55.7-165		
Kresoxim-Methyl	2390		7.59	24.9	ug/kg	2490	7.59 U	95.9	66.3-159		
Malathion	2570		10.7	49.8	ug/kg	2490	10.7 U	103	70-130		
Metalaxyl	2670		4.46	12.5	ug/kg	2490	4.46 U	107	89.4-131		
Methiocarb	2750		11.8	24.9	ug/kg	2490	11.8 U	111	70-130		
Methomyl	2540		4.41	12.5	ug/kg	2490	4.41 U	102	78.7-116		
Mevinphos	2370		9.25	24.9	ug/kg	2490	9.25 U	95.4	70-130		
Myclobutanil	2660		16.2	24.9	ug/kg	2490	16.2 U	107	70-130		
Dibrom (Naled)	2470		6.01	49.8	ug/kg	2490	6.01 U	99.1	70-130		
Oxamyl	2400		2.33	12.5	ug/kg	2490	2.33 U	96.5	79.4-108		

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## Quality Control

### Pesticides by LC-QQQ (Continued)

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep (Continued)**

**Matrix Spike (B4D0315-MS1)**

**Source: ID03019-03**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 21:16

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Paclobutrazol	2720		12.2	24.9	ug/kg	2490	12.2 U	109	70-130		
Permethrin	2570		16.3	24.9	ug/kg	2490	16.3 U	103	70-130		
Phosmet	2540		9.13	24.9	ug/kg	2490	9.13 U	102	70-130		
Piperonyl butoxide	2420		5.80	12.5	ug/kg	2490	5.80 U	97.2	70-130		
Prallethrin	2470		5.50	24.9	ug/kg	2490	5.50 U	99.2	70-130		
Propiconazole (Tilt)	2610		17.8	49.8	ug/kg	2490	17.8 U	105	70-130		
Bayqon (Propoxur)	2780		5.43	12.5	ug/kg	2490	5.43 U	112	70-130		
Pyrethrins, Total	2250		10.9	49.8	ug/kg	2490	10.9 U	90.3	70-130		
Pyridaben	2510		6.23	12.5	ug/kg	2490	6.23 U	101	55.6-165		
Spinetoram, Total	2280		11.7	49.8	ug/kg	2490	11.7 U	91.6	68.3-152		
Spiromesifen	2440		2.23	12.5	ug/kg	2490	2.23 U	98.0	69-136		
Spirotetramat	2530		6.65	24.9	ug/kg	2490	6.65 U	102	70-130		
Spiroxamine	2340		6.79	12.5	ug/kg	2490	6.79 U	94.1	70-130		
Tebuconazole	2660		18.9	24.9	ug/kg	2490	18.9 U	107	70-130		
Thiacloprid	2600		14.4	24.9	ug/kg	2490	14.4 U	105	84.3-141		
Thiamethoxam	2470		15.8	24.9	ug/kg	2490	15.8 U	99.2	66.4-133		
Trifloxystrobin	2440		6.02	12.5	ug/kg	2490	6.02 U	98.0	66.3-167		
Spinosad, Total	2410		4.42	36.1	ug/kg	2490	4.42 U	96.7	70-130		

**Matrix Spike Dup (B4D0315-MSD1)**

**Source: ID03019-03**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 21:30

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin, Total	2460		12.3	49.8	ug/kg	2490	12.3 U	98.7	70-130	0.153	20
Acephate	2470		9.75	24.9	ug/kg	2490	9.75 U	99.1	70-130	4.27	20
Acequinocyl	2510		11.6	49.8	ug/kg	2490	11.6 U	101	70-130	1.39	20
Acetamiprid	2640		15.1	24.9	ug/kg	2490	15.1 U	106	80.8-138	0.669	20
Aldicarb	2720		12.8	24.9	ug/kg	2490	12.8 U	109	70-130	0.592	20
Azoxystrobin	2500		3.25	9.97	ug/kg	2490	3.25 U	100	79-130	1.12	20
Bifenazate	2880		3.66	24.9	ug/kg	2490	3.66 U	115	39.7-157	2.29	20
Bifenthrin	2590		9.41	12.5	ug/kg	2490	9.41 U	104	70-130	0.597	20
Boscalid	2470		18.2	49.8	ug/kg	2490	18.2 U	99.2	70-130	3.20	20
Carbaryl	2700		7.20	24.9	ug/kg	2490	7.20 U	108	70-130	0.323	20
Carbofuran	2700		2.28	12.5	ug/kg	2490	2.28 U	108	77.7-120	0.212	20
Chlorantraniliprole	2460		5.10	125	ug/kg	2490	5.10 U	98.6	70-130	0.956	20
Chloromequat chloride	2590		9.34	49.8	ug/kg	2490	9.34 U	104	70-130	1.04	20
Chlorpyrifos	2370		4.41	24.9	ug/kg	2490	4.41 U	95.3	70-130	0.788	20
Clofentezine	2590		14.9	24.9	ug/kg	2490	14.9 U	104	70-130	0.828	20
Coumaphos	2470		4.48	24.9	ug/kg	2490	4.48 U	99.1	76.4-170	0.479	20
Cyfluthrin	2280		26.6	49.8	ug/kg	2490	26.6 U	91.4	70-130	1.84	20
Cypermethrin	2490		11.3	125	ug/kg	2490	11.3 U	99.7	70-130	0.0804	20
Daminozide	2010		6.31	49.8	ug/kg	2490	6.31 U	80.8	70-130	13.3	20
Diazinon	2380		3.18	12.5	ug/kg	2490	3.18 U	95.7	67.2-160	0.423	20
Dichlorvos	2630		5.78	49.8	ug/kg	2490	5.78 U	106	69.9-140	1.16	20
Dimethoate	2600		1.29	12.5	ug/kg	2490	1.29 U	104	81.2-128	2.61	20
Dimethomorph, Total	2420		2.49	49.8	ug/kg	2490	2.49 U	97.2	70-130	0.268	20
Ethoprophos	2680		2.36	12.5	ug/kg	2490	2.36 U	108	88.4-140	1.90	20
Etofenprox	2530		12.7	24.9	ug/kg	2490	12.7 U	102	70-130	0.217	20
Etoxazole	2350		15.4	24.9	ug/kg	2490	15.4 U	94.3	47.9-139	0.172	20
Fenhexamid	2600		5.40	49.8	ug/kg	2490	5.40 U	105	70-130	2.82	20
Fenoxycarb	2570		4.68	24.9	ug/kg	2490	4.68 U	103	78.3-163	0.0254	20
Fenpyroximate	2510		5.51	12.5	ug/kg	2490	5.51 U	101	70-130	0.790	20

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### Quality Control

**Pesticides by LC-QQQ (Continued)**

**Batch: B4D0315 - MCS-Pesticide-Myco-Prep (Continued)**

**Matrix Spike Dup (B4D0315-MSD1)**

**Source: ID03019-03**

Prepared: 04/03/24 14:16 Analyzed: 04/03/24 21:30

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Fipronil	2500		14.3	49.8	ug/kg	2490	14.3 U	100	70-130	0.350	20
Flonicamid	2610		6.90	24.9	ug/kg	2490	6.90 U	105	68.3-159	0.104	20
Fludioxonil	2510		11.0	49.8	ug/kg	2490	11.0 U	101	70-130	2.97	20
Hexythiazox	2550		5.84	12.5	ug/kg	2490	5.84 U	102	70-130	0.0692	20
Imazalil	2430		9.58	49.8	ug/kg	2490	9.58 U	97.6	68.7-138	0.238	20
Imidacloprid	2600		17.2	24.9	ug/kg	2490	17.2 U	104	55.7-165	1.83	20
Kresoxim-Methyl	2390		7.60	24.9	ug/kg	2490	7.60 U	95.8	66.3-159	0.0784	20
Malathion	2620		10.7	49.8	ug/kg	2490	10.7 U	105	70-130	1.96	20
Metalaxyl	2650		4.46	12.5	ug/kg	2490	4.46 U	106	89.4-131	0.678	20
Methiocarb	2660		11.8	24.9	ug/kg	2490	11.8 U	107	70-130	3.53	20
Methomyl	2510		4.41	12.5	ug/kg	2490	4.41 U	101	78.7-116	1.22	20
Mevinphos	2340		9.26	24.9	ug/kg	2490	9.26 U	93.9	70-130	1.50	20
Myclobutanil	2630		16.3	24.9	ug/kg	2490	16.3 U	105	70-130	1.07	20
Dibrom (Naled)	2370		6.02	49.8	ug/kg	2490	6.02 U	95.1	70-130	3.99	20
Oxamyl	2390		2.33	12.5	ug/kg	2490	2.33 U	96.0	79.4-108	0.410	20
Paclobutrazol	2700		12.2	24.9	ug/kg	2490	12.2 U	108	70-130	0.769	20
Permethrin	2570		16.3	24.9	ug/kg	2490	16.3 U	103	70-130	0.0431	20
Phosmet	2570		9.14	24.9	ug/kg	2490	9.14 U	103	70-130	1.17	20
Piperonyl butoxide	2390		5.80	12.5	ug/kg	2490	5.80 U	95.8	70-130	1.28	20
Prallethrin	2490		5.50	24.9	ug/kg	2490	5.50 U	100	70-130	0.862	20
Propiconazole (Tilt)	2590		17.9	49.8	ug/kg	2490	17.9 U	104	70-130	0.517	20
Baygon (Propoxur)	2760		5.43	12.5	ug/kg	2490	5.43 U	111	70-130	0.859	20
Pyrethrins, Total	2220		10.9	49.8	ug/kg	2490	10.9 U	89.0	70-130	1.34	20
Pyridaben	2540		6.24	12.5	ug/kg	2490	6.24 U	102	55.6-165	1.03	20
Spinetoram, Total	2290		11.7	49.8	ug/kg	2490	11.7 U	91.7	68.3-152	0.214	20
Spiromesifen	2420		2.23	12.5	ug/kg	2490	2.23 U	97.2	69-136	0.693	20
Spirotetramat	2490		6.65	24.9	ug/kg	2490	6.65 U	99.9	70-130	1.76	20
Spiroxamine	2310		6.80	12.5	ug/kg	2490	6.80 U	92.8	70-130	1.28	20
Tebuconazole	2630		18.9	24.9	ug/kg	2490	18.9 U	105	70-130	1.38	20
Thiacloprid	2610		14.4	24.9	ug/kg	2490	14.4 U	105	84.3-141	0.119	20
Thiamethoxam	2440		15.9	24.9	ug/kg	2490	15.9 U	97.8	66.4-133	1.27	20
Trifloxystrobin	2410		6.03	12.5	ug/kg	2490	6.03 U	96.8	66.3-167	1.17	20
Spinosad, Total	2410		4.43	36.1	ug/kg	2490	4.43 U	96.8	70-130	0.182	20

## Quality Control

### Residual Solvents by GC/MS-HS

**Batch: B4D0320 - Solid Extraction**

**Blank (B4D0320-BLK1)**

Prepared: 04/03/24 16:04 Analyzed: 04/03/24 17:49

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propane	ND		104	259	mg/kg						
n-Butane	ND		104	259	mg/kg						
Methanol	ND		25.9	104	mg/kg						
Ethylene Oxide	ND		0.518	2.59	mg/kg						
Ethanol	ND		104	259	mg/kg						
Pentane	ND		77.7	259	mg/kg						
Ethyl Ether	ND		51.8	259	mg/kg						
Acetone	ND		77.7	259	mg/kg						
1,1-Dichloroethylene	ND		0.318	1.55	mg/kg						
Isopropyl Alcohol (2-Propanol)	ND		51.8	259	mg/kg						
Acetonitrile	ND		6.22	31.1	mg/kg						
Methylene Chloride	ND		13.0	51.8	mg/kg						
Hexane	ND		25.9	130	mg/kg						
Ethyl Acetate	ND		41.5	207	mg/kg						
Chloroform	ND		0.143	1.04	mg/kg						
1,2-Dichloroethane	ND		0.187	1.04	mg/kg						
Benzene	ND		0.0594	0.104	mg/kg						
Heptane	ND		104	259	mg/kg						
Trichloroethene (Trichloroethylene)	ND		0.279	1.55	mg/kg						
Toluene	ND		15.5	77.7	mg/kg						
m/p-Xylenes	ND		7.77	31.1	mg/kg						
o-xylene	ND		7.77	31.1	mg/kg						

**LCS (B4D0320-BS1)**

Prepared: 04/03/24 16:04 Analyzed: 04/03/24 18:09

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propane	1030		100	250	mg/kg	1000		103	70-130		
n-Butane	471		100	250	mg/kg	500		94.2	70-130		
Methanol	983		25.0	100	mg/kg	1000		98.3	70-130		
Ethylene Oxide	978		0.500	2.50	mg/kg	1000		97.8	70-130		
Ethanol	1030		100	250	mg/kg	1000		103	70-130		
Pentane	335		75.0	250	mg/kg	334		101	70-130		
Ethyl Ether	1040		50.0	250	mg/kg	1000		104	70-130		
Acetone	1030		75.0	250	mg/kg	1000		103	70-130		
1,1-Dichloroethylene	1030		0.307	1.50	mg/kg	1000		103	70-130		
Isopropyl Alcohol (2-Propanol)	998		50.0	250	mg/kg	1000		99.8	70-130		
Acetonitrile	1030		6.00	30.0	mg/kg	1000		103	70-130		
Methylene Chloride	1020		12.5	50.0	mg/kg	1000		102	70-130		
Hexane	205		25.0	125	mg/kg	200		103	70-130		
Ethyl Acetate	1020		40.0	200	mg/kg	1000		102	70-130		
1,2-Dichloroethane	1060		0.180	1.00	mg/kg	1000		106	70-130		
Heptane	1030		100	250	mg/kg	1000		103	70-130		
Trichloroethene (Trichloroethylene)	1040		0.269	1.50	mg/kg	1000		104	70-130		
Toluene	1090		15.0	75.0	mg/kg	1000		109	70-130		
m/p-Xylenes	523		7.50	30.0	mg/kg	500		105	70-130		
o-xylene	255		7.50	30.0	mg/kg	250		102	70-130		

**LCS Dup (B4D0320-BSD1)**

Prepared: 04/03/24 16:04 Analyzed: 04/03/24 18:29

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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### Quality Control

#### Residual Solvents by GC/MS-HS (Continued)

**Batch: B4D0320 - Solid Extraction (Continued)**

**LCS Dup (B4D0320-BSD1)**

Prepared: 04/03/24 16:04 Analyzed: 04/03/24 18:29

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propane	1040		100	250	mg/kg	1000		104	70-130	0.708	30
n-Butane	474		100	250	mg/kg	500		94.7	70-130	0.530	30
Methanol	990		25.0	100	mg/kg	1000		99.0	70-130	0.680	30
Ethylene Oxide	1030		0.500	2.50	mg/kg	1000		103	70-130	5.25	30
Ethanol	1040		100	250	mg/kg	1000		104	70-130	0.928	30
Pentane	340		75.0	250	mg/kg	334		102	70-130	1.33	30
Ethyl Ether	1050		50.0	250	mg/kg	1000		105	70-130	1.28	30
Acetone	1030		75.0	250	mg/kg	1000		103	70-130	0.593	30
1,1-Dichloroethylene	1040		0.307	1.50	mg/kg	1000		104	70-130	0.931	30
Isopropyl Alcohol (2-Propanol)	1020		50.0	250	mg/kg	1000		102	70-130	2.46	30
Acetonitrile	1040		6.00	30.0	mg/kg	1000		104	70-130	0.805	30
Methylene Chloride	1030		12.5	50.0	mg/kg	1000		103	70-130	1.09	30
Hexane	208		25.0	125	mg/kg	200		104	70-130	1.44	30
Ethyl Acetate	1030		40.0	200	mg/kg	1000		103	70-130	0.869	30
1,2-Dichloroethane	1060		0.180	1.00	mg/kg	1000		106	70-130	0.119	30
Heptane	1030		100	250	mg/kg	1000		103	70-130	0.641	30
Trichloroethene (Trichloroethylene)	1050		0.269	1.50	mg/kg	1000		105	70-130	0.519	30
Toluene	1100		15.0	75.0	mg/kg	1000		110	70-130	1.42	30
m/p-Xylenes	532		7.50	30.0	mg/kg	500		106	70-130	1.66	30
o-xylene	259		7.50	30.0	mg/kg	250		104	70-130	1.63	30

**Duplicate (B4D0320-DUP1)**

**Source: ID03003-01**

Prepared: 04/03/24 16:04 Analyzed: 04/03/24 18:49

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propane	ND		87.0	217	mg/kg		87.0 U				30
n-Butane	ND		87.0	217	mg/kg		87.0 U				30
Methanol	ND		21.7	87.0	mg/kg		21.7 U				30
Ethylene Oxide	ND		0.435	2.17	mg/kg		0.435 U				30
Ethanol	ND		87.0	217	mg/kg		87.0 U				30
Pentane	ND		65.2	217	mg/kg		65.2 U				30
Ethyl Ether	ND		43.5	217	mg/kg		43.5 U				30
Acetone	ND		65.2	217	mg/kg		65.2 U				30
1,1-Dichloroethylene	ND		0.267	1.30	mg/kg		0.267 U				30
Isopropyl Alcohol (2-Propanol)	ND		43.5	217	mg/kg		43.5 U				30
Acetonitrile	ND		5.22	26.1	mg/kg		5.22 U				30
Methylene Chloride	ND		10.9	43.5	mg/kg		10.9 U				30
Hexane	ND		21.7	109	mg/kg		21.7 U				30
Ethyl Acetate	ND		34.8	174	mg/kg		34.8 U				30
Chloroform	ND		0.120	0.870	mg/kg		0.120 U				30
1,2-Dichloroethane	ND		0.157	0.870	mg/kg		0.157 U				30
Benzene	ND		0.0498	0.0870	mg/kg		0.0498 U				30
Heptane	ND		87.0	217	mg/kg		87.0 U				30
Trichloroethene (Trichloroethylene)	ND		0.234	1.30	mg/kg		0.234 U				30
Toluene	ND		13.0	65.2	mg/kg		13.0 U				30
m/p-Xylenes	ND		6.52	26.1	mg/kg		6.52 U				30
o-xylene	ND		6.52	26.1	mg/kg		6.52 U				30

**Matrix Spike (B4D0320-MS1)**

**Source: ID03019-03**

Prepared: 04/03/24 16:04 Analyzed: 04/03/24 19:09

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.  
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### Quality Control

#### Residual Solvents by GC/MS-HS (Continued)

**Batch: B4D0320 - Solid Extraction (Continued)**

**Matrix Spike (B4D0320-MS1)**

**Source: ID03019-03**

Prepared: 04/03/24 16:04 Analyzed: 04/03/24 19:09

Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propane	945		97.6	244	mg/kg	976	97.6 U	96.8	41.9-145		
n-Butane	459		97.6	244	mg/kg	488	97.6 U	94.0	62.5-126		
Methanol	800		24.4	97.6	mg/kg	976	24.4 U	82.0	61.2-122		
Ethylene Oxide	927		0.488	2.44	mg/kg	976	0.488 U	95.0	61.8-119		
Ethanol	827		97.6	244	mg/kg	976	97.6 U	84.8	60.6-109		
Pentane	313		73.2	244	mg/kg	325	73.2 U	96.2	62-124		
Ethyl Ether	975		48.8	244	mg/kg	976	48.8 U	100	66.3-131		
Acetone	943		73.2	244	mg/kg	976	73.2 U	96.6	69.3-124		
1,1-Dichloroethylene	952		0.300	1.46	mg/kg	976	0.300 U	97.6	67.1-127		
Isopropyl Alcohol (2-Propanol)	852		48.8	244	mg/kg	976	48.8 U	87.3	64.7-114		
Acetonitrile	926		5.85	29.3	mg/kg	976	5.85 U	94.9	64.6-126		
Methylene Chloride	943		12.2	48.8	mg/kg	976	12.2 U	96.7	64.8-129		
Hexane	191		24.4	122	mg/kg	195	24.4 U	97.7	57.4-121		
Ethyl Acetate	949		39.0	195	mg/kg	976	39.0 U	97.3	61-128		
1,2-Dichloroethane	991		0.176	0.976	mg/kg	976	0.176 U	102	61.2-127		
Heptane	955		97.6	244	mg/kg	976	97.6 U	97.9	57.2-130		
Trichloroethene (Trichloroethylene)	977		0.262	1.46	mg/kg	976	0.262 U	100	56.8-130		
Toluene	1010		14.6	73.2	mg/kg	976	14.6 U	103	58.4-136		
m/p-Xylenes	503		7.32	29.3	mg/kg	488	7.32 U	103	53.2-130		
o-xylene	250		7.32	29.3	mg/kg	244	7.32 U	102	52.3-128		

**Matrix Spike Dup (B4D0320-MSD1)**

**Source: ID03019-03**

Prepared: 04/03/24 16:04 Analyzed: 04/03/24 19:29

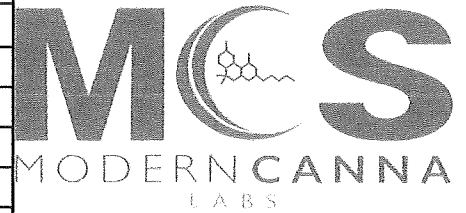
Analyte	Result	Qual	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propane	995		103	258	mg/kg	1030	103 U	96.5	41.9-145	5.21	30
n-Butane	467		103	258	mg/kg	515	103 U	90.5	62.5-126	1.69	30
Methanol	827		25.8	103	mg/kg	1030	25.8 U	80.2	61.2-122	3.24	30
Ethylene Oxide	975		0.515	2.58	mg/kg	1030	0.515 U	94.5	61.8-119	5.03	30
Ethanol	886		103	258	mg/kg	1030	103 U	85.9	60.6-109	6.86	30
Pentane	330		77.3	258	mg/kg	344	77.3 U	96.1	62-124	5.40	30
Ethyl Ether	1010		51.5	258	mg/kg	1030	51.5 U	98.4	66.3-131	3.89	30
Acetone	994		77.3	258	mg/kg	1030	77.3 U	96.5	69.3-124	5.33	30
1,1-Dichloroethylene	1000		0.316	1.55	mg/kg	1030	0.316 U	97.4	67.1-127	5.27	30
Isopropyl Alcohol (2-Propanol)	911		51.5	258	mg/kg	1030	51.5 U	88.3	64.7-114	6.69	30
Acetonitrile	986		6.19	30.9	mg/kg	1030	6.19 U	95.6	64.6-126	6.26	30
Methylene Chloride	1000		12.9	51.5	mg/kg	1030	12.9 U	97.1	64.8-129	5.92	30
Hexane	201		25.8	129	mg/kg	206	25.8 U	97.3	57.4-121	5.11	30
Ethyl Acetate	977		41.2	206	mg/kg	1030	41.2 U	94.7	61-128	2.88	30
1,2-Dichloroethane	1020		0.186	1.03	mg/kg	1030	0.186 U	99.0	61.2-127	2.96	30
Heptane	992		103	258	mg/kg	1030	103 U	96.2	57.2-130	3.77	30
Trichloroethene (Trichloroethylene)	1010		0.277	1.55	mg/kg	1030	0.277 U	98.0	56.8-130	3.38	30
Toluene	1060		15.5	77.3	mg/kg	1030	15.5 U	103	58.4-136	4.82	30
m/p-Xylenes	527		7.73	30.9	mg/kg	515	7.73 U	102	53.2-130	4.70	30
o-xylene	262		7.73	30.9	mg/kg	258	7.73 U	102	52.3-128	4.80	30

### Notes and Definitions

<b>Item</b>	<b>Definition</b>
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
U	Analyte NOT DETECTED at or above the reporting limit.
%REC	Percent Recovery
Dil.	Dilution
LOQ	Limit of Quantitation
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Modern Canna, LLC  
 4705 Old Road 37  
 Lakeland, Florida 33813  
 Phone: (863) 608-7800  
 Email: info@moderncanna.com

MCS WORK ORDER NUMBER: **ID03018**



**Chain of Custody**

Company Name: Stigma	Project Name:
Address: 2563 Monterey Ave Minneapolis MN 55416	Project Location:
Email Address: tim@stigmahemp.com	Project Manager:
Phone: 510-928-9798	

Sampled by [Print Name(s)] / Affiliation Tim Anderson, Stigma COO	Analyses Requested
Sampler(s) Signature(s) <i>Timothy Anderson</i>	

Item No.	Sample Name	Sampled		Sample Size	Matrix	Container Type	Potency	Terpenes	Metals	Pesticides	Mycotoxins	Microbials	Water Activity	Residual Solvents	Foreign Matter	Moisture	REQUESTED DUE DATE	
		Date	Time														/	ASAP
1	Stigma Lemonade Iced	3/14/24	n/a	470.337g fill weight						x								01
2	Stigma Peach Iced Tea	3/1/24	n/a	470.337g fill weight						x								02
3	Stigma Club Soda	3/22	n/a	470.337g fill weight						x								03
4	Stigma Lime Seltzer	2/15	n/a	470.337g fill weight						x								04
5																		
6																		
7																		
8																		
9																		
10																		

PO Number:						
Transport Sticker:	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
				<i>[Signature]</i> / MCS	4.3.24	1047

MATRIX CODES: P = Plant Material Ex = Extract Material S = Soil W = Water E = Edible O = Other

CONTAINER TYPE: T = Tincture Bottle S = Syringe PR = Pre-Roll V = Vape Cartridge C = Capsule J = Jar/Plastic Container B = Bag (Plastic, Mylar, etc) O = Other