

Farmer's Friend Extracts 6451 NF Colwood Wy Portland, OR 97218 503-442-8653

Sample Type: Extracts Sample Date: 5/11/2020 Analysis Date: 5/15/2020 Report Date: 5/18/2020

1A4010300016315000024735 Metrc Sample ID: 1A4010300016315000024768 Harvest/Process Date: 5/7/2020 Report ID: LS-200518-3 Sample Plan ID:SP-200511-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Potency

Potency Analysis Date: 5/15/2020 Potency Batch ID: CAN_051520D Potency Method: JAOAC 2015.1

90.0%

Total THC

Total CBD

Samples: ZDB-ZJT-FRB, BTN-ZJT-TJB



Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	U
Δ9ΤΗC	Delta-9 Tetrahydrocannabinol	0.16	0.103	89.9	90.0	90.0	
THCA	Tetrahydrocannabinolic acid	0.16	0.00	ND	ND	ND	
CBD	Cannabidiol	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
CBDA	Cannabidiolic acid	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
Δ8ΤΗC	Delta-8 Tetrahydrocannabinol*	0.16	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.16	14.2	0.620	0.714	0.667	•
CBG	Cannabigerol*	0.16	10.9	2.54	2.83	2.69	•
CBGA	Cannabigerolic acid*	0.16	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
СВС	Cannabichromene*	0.16	13.3	0.891	1.02	0.955	•
CBCA	Cannabichromenic acid*	0.16	0.00	ND	ND	ND	
CBN	Cannabinol	0.16	50.3	0.235	0.394	0.314	•
Total THC	Δ9THC + (THCA × 0.877)		0.103	89.9	90.0	90.0	
Total CBD	CBD + (CBDA × 0.877)		0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
Total			0.278	94.2	95.0	94.6	

Compliance

Pesticides	Within limits	Analysis Date: 5/15/2020	Pass 🕢
Solvents	Within limits	Analysis Date: 5/15/2020	Pass 🕢
Potency	Within limits	Analysis Date: 5/15/2020	Pass 🕢

Prupe Method Bryce Kidd, Ph.D. Lab Director

Chief Science Officer





Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 5/11/2020 Analysis Date: 5/15/2020 Report Date: 5/18/2020

Metrc Batch ID: 1A4010300016315000024735 Metrc Sample ID: 1A4010300016315000024768

Terpene Analysis Date: 5/15/2020

Terpene Batch ID: TRP 051520A

Total

Harvest/Process Date: 5/7/2020 Report ID: LS-200518-3 Sample Plan ID:SP-200511-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Method: JAOAC 2015.1

Unit: %



Analyte	Avg.	Notes
β-Caryophyllene	0.620%	
Humulene	0.195%	
Linalool	0.125%	
Guaiol	0.0729%	
α-Bisabolol	0.0700%	
Caryophyllene Oxide	0.0388%	
α-Terpineol	0.0344%	
Selinadiene	0.0262%	
Fenchol	0.0197%	
Limonene	0.0186%	
β-Myrcene	0.0107%	
β-Farnesene 2	0.00737%	
β-Pinene	0.00496%	
Terpinolene	0.00467%	
Sabinene	0.00434%	
Borneol	0.00381%	
β-Ocimene	0.00333%	
α-Pinene	0.00232%	
Eucalyptol	0.00115%	
Fenchone	0.000959%	
α-Terpinene	0.000844%	
γ-Terpinene	0.000545%	
Camphene	0.000466%	
Δ3-Carene	0.000415%	
Azulene	ND	
Camphore	ND	
Cedrol	ND	
Cymene	ND	
Geraniol	ND	

Analyte	Avg.	Notes	
Geranyl Acetate	ND		
Isoborneol	ND		
Isopulegol	ND		
Nerol	ND		
Pulegone	ND		
Sabinene Hydrate	ND		
Valencene	ND		
cis-Nerolidol	ND		
trans-Nerolidol	ND		
α-Cedrene	ND		
α-Ocimene	ND		
α-Phellandrene	ND		
β-Farnesene 1	ND		
γ-Terpineol	ND		

1.27%



Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 5/11/2020 Analysis Date: 5/15/2020 Report Date: 5/18/2020 Metrc Batch ID: 1A4010300016315000024735 Metrc Sample ID: 1A4010300016315000024768 Harvest/Process Date: 5/7/2020 Report ID: LS-200518-3 Sample Plan ID:SP-200511-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008



Pesticides Analysis Date: 5/15/2020 Pesticides Batch ID: PST_051520A Method: EN 15662 Unit: μg/g (ppm) Pass 🕢

Analyte	ZDB-ZJT-FRB	BTN-ZJT-TJB	Limits	LOQ	Notes	Status
Abamectin	ND	ND	0.5	0.1		Pass
Acephate	ND	ND	0.4	0.1		Pass
Acequinocyl	ND	ND	2.0	1.5		Pass
Acetamiprid	ND	ND	0.2	0.1		Pass
Aldicarb	ND	ND	0.4	0.1		Pass
Azoxystrobin	ND	ND	0.2	0.1		Pass
Bifenazate	ND	ND	0.2	0.1		Pass
Bifenthrin	ND	ND	0.2	0.1		Pass
Boscalid	ND	ND	0.4	0.1		Pass
Carbaryl	ND	ND	0.2	0.1		Pass
Carbofuran	ND	ND	0.2	0.1		Pass
Chlorantraniliprole	ND	ND	0.2	0.1		Pass
Chlorfenapyr	ND	ND	1.0	0.1		Pass
Chlorpyrifos	ND	ND	0.2	0.1		Pass
Clofentezine	ND	ND	0.2	0.1		Pass
Cyfluthrin	ND	ND	1.0	0.5		Pass
Cypermethrin	ND	ND	1.0	0.1		Pass
Daminozide	ND	ND	1.0	0.5		Pass
Diazinon	ND	ND	0.2	0.1		Pass
Dichlorvos (DDVP)	ND	ND	1.0	0.5		Pass
Dimethoate	ND	ND	0.2	0.1		Pass
Ethoprophos	ND	ND	0.2	0.1		Pass
Etofenprox	ND	ND	0.4	0.1		Pass
Etoxazole	ND	ND	0.2	0.1		Pass
Fenoxycarb	ND	ND	0.2	0.1		Pass
Fenpyroximate	ND	ND	0.4	0.1		Pass
Fipronil	ND	ND	0.4	0.1		Pass
Flonicamid	ND	ND	1.0	0.1		Pass
Fludioxonil	ND	ND	0.4	0.1		Pass
Hexythiazox	ND	ND	1.0	0.1		Pass
Imazalil	ND	ND	0.2	0.1		Pass
Imidacloprid	ND	ND	0.4	0.1		Pass
Kresoxim-methyl	ND	ND	0.4	0.1		Pass
Malathion	ND	ND	0.2	0.1		Pass

Analyte	ZDB-ZJT-FRB	BTN-ZJT-TJB	Limits	LOQ	Notes	Status
Metalaxyl	ND	ND	0.2	0.1		Pass
Methiocarb	ND	ND	0.2	0.1		Pass
Methomyl	ND	ND	0.4	0.1		Pass
Methyl Parathion	ND	ND	0.2	0.2		Pass
MGK-264	ND	ND	0.2	0.2		Pass
Myclobutanil	ND	ND	0.2	0.1		Pass
Naled	ND	ND	0.5	0.2		Pass
Oxamyl	ND	ND	1.0	0.1		Pass
Paclobutrazol	ND	ND	0.4	0.1		Pass
Permethrins	ND	ND	0.2	0.1		Pass
Phosmet	ND	ND	0.2	0.1		Pass
Piperonyl Butoxide	ND	ND	2.0	0.1		Pass
Prallethrin	ND	ND	0.2	0.1		Pass
Propiconazole	ND	ND	0.4	0.1		Pass
Propoxur	ND	ND	0.2	0.1		Pass
Pyrethrins	ND	ND	1.0	0.5		Pass
Pyridaben	ND	ND	0.2	0.1		Pass
Spinosad	ND	ND	0.2	0.1		Pass
Spiromesifen	ND	ND	0.2	0.1		Pass
Spirotetramat	ND	ND	0.2	0.1		Pass
Spiroxamine	ND	ND	0.4	0.1		Pass
Tebuconazole	ND	ND	0.4	0.1		Pass
Thiacloprid	ND	ND	0.2	0.1		Pass
Thiamethoxam	ND	ND	0.2	0.1		Pass
Trifloxystrobin	ND	ND	0.2	0.1		Pass



Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts
Sample Date: 5/11/2020
Analysis Date: 5/15/2020
Report Date: 5/18/2020

Metrc Batch ID: 1A4010300016315000024735 Metrc Sample ID: 1A4010300016315000024768 Harvest/Process Date: 5/7/2020 Report ID: LS-200518-3 Sample Plan ID:SP-200511-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008



Pesticides Quality Control Data

Analyte	Blank	LOQ	LCS		LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.1	0.860	1.00	86.0	50 - 150	
Acephate	ND	0.1	0.724	1.00	72.4	50 - 150	
Acequinocyl	ND	1.5	1.56	1.00	156	50 - 150	ME
Acetamiprid	ND	0.1	0.986	1.00	98.6	50 - 150	
Aldicarb	ND	0.1	1.04	1.00	104	50 - 150	
Azoxystrobin	ND	0.1	0.974	1.00	97.4	50 - 150	
Bifenazate	ND	0.1	1.14	1.00	114	50 - 150	
Bifenthrin	ND	0.1	1.42	1.00	142	50 - 150	
Boscalid	ND	0.1	0.902	1.00	90.2	50 - 150	
Carbaryl	ND	0.1	1.04	1.00	104	50 - 150	
Carbofuran	ND	0.1	1.04	1.00	104	50 - 150	
Chlorantraniliprole	ND	0.1	0.925	1.00	92.5	50 - 150	
Chlorfenapyr	ND	0.1	1.04	1.00	104	50 - 150	
Chlorpyrifos	ND	0.1	0.980	1.00	98.0	50 - 150	
Clofentezine	ND	0.1	1.19	1.00	119	50 - 150	
Cyfluthrin	ND	0.5	0.548	1.00	54.8	50 - 150	
Cypermethrin	ND	0.1	1.01	1.00	101	50 - 150	
Daminozide	ND	0.5	2.94	1.00	294	10 - 150	НВ
Diazinon	ND	0.1	0.949	1.00	94.9	50 - 150	
Dichlorvos (DDVP)	ND	0.5	1.18	1.00	118	50 - 150	
Dimethoate	ND	0.1	0.998	1.00	99.8	50 - 150	
Ethoprophos	ND	0.1	1.01	1.00	101	50 - 150	
Etofenprox	ND	0.1	1.17	1.00	117	50 - 150	
Etoxazole	ND	0.1	1.24	1.00	124	50 - 150	
Fenoxycarb	ND	0.1	0.986	1.00	98.6	50 - 150	
Fenpyroximate	ND	0.1	0.850	1.00	85.0	50 - 150	
Fipronil	ND	0.1	1.10	1.00	110	50 - 150	
Flonicamid	ND	0.1	1.15	1.00	115	50 - 150	
Fludioxonil	ND	0.1	1.05	1.00	105	50 - 150	
Hexythiazox	ND	0.1	0.854	1.00	85.4	50 - 150	
Imazalil	ND	0.1	1.01	1.00	101	50 - 150	
Imidacloprid	ND	0.1	1.02	1.00	102	50 - 150	
Kresoxim-methyl	ND	0.1	0.958	1.00	95.8	50 - 150	
Malathion	ND	0.1	1.02	1.00	102	50 - 150	

Pesticides QC Analysis Date: 5/15/2020 Pesticides QC Batch ID: PST 051520A

Method: EN 15662 Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	1.00	1.00	100	50 - 150	
Methiocarb	ND	0.1	1.01	1.00	101	50 - 150	
Methomyl	ND	0.1	1.07	1.00	107	50 - 150	
Methyl Parathion	ND	0.2	0.781	1.00	78.1	30 - 150	
MGK-264	ND	0.2	0.743	0.600	124	50 - 150	
Myclobutanil	ND	0.1	0.975	1.00	97.5	50 - 150	
Naled	ND	0.2	1.02	1.00	102	50 - 150	
0xamy1	ND	0.1	1.12	1.00	112	50 - 150	
Paclobutrazol	ND	0.1	0.572	1.00	57.2	50 - 150	
Permethrins	ND	0.1	0.823	1.00	82.3	50 - 150	
Phosmet	ND	0.1	1.02	1.00	102	50 - 150	
Piperonyl Butoxide	ND	0.1	1.19	1.00	119	50 - 150	
Prallethrin	ND	0.1	0.981	1.00	98.1	50 - 150	
Propiconazole	ND	0.1	0.752	1.00	75.2	50 - 150	
Propoxur	ND	0.1	1.02	1.00	102	50 - 150	
Pyrethrins	ND	0.5	0.459	1.00	45.9	50 - 150	ME
Pyridaben	ND	0.1	1.02	1.00	102	50 - 150	
Spinosad	ND	0.1	1.07	1.00	107	50 - 150	
Spiromesifen	ND	0.1	0.990	1.00	99.0	50 - 150	
Spirotetramat	ND	0.1	0.977	1.00	97.7	50 - 150	
Spiroxamine	ND	0.1	1.03	1.00	103	50 - 150	
Tebuconazole	ND	0.1	0.835	1.00	83.5	50 - 150	
Thiacloprid	ND	0.1	0.863	1.00	86.3	50 - 150	
Thiamethoxam	ND	0.1	1.01	1.00	101	50 - 150	
Trifloxystrobin	ND	0.1	0.940	1.00	94.0	50 - 150	



Farmer's Friend Extracts 6451 NF Colwood Wy Portland, OR 97218 503-442-8653

Sample Type: Extracts Sample Date: 5/11/2020 Analysis Date: 5/15/2020 Report Date: 5/18/2020

Metrc Batch ID: 1A4010300016315000024735 Metrc Sample ID: 1A4010300016315000024768 Harvest/Process Date: 5/7/2020 Report ID: LS-200518-3 Sample Plan ID:SP-200511-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008



Solvents Analysis Date: 5/15/2020 Solvents Batch ID: RES 051520A

Method: EPA 5021A Unit: µg/g (ppm)

Pass 🕢

Analyte	ZDB-ZJT-FRB	BTN-ZJT-TJB	RPD (%)	Limits	LOQ	Notes	Status
1,4-Dioxane	ND	ND	0.00	380.0	50.0		Pass
2-Butanol	ND	ND	0.00	5000.0	250.0		Pass
2-Ethoxyethanol	ND	ND	0.00	160.0	50.0		Pass
Acetone	ND	ND	0.00	5000.0	250.0		Pass
Acetonitrile	ND	ND	0.00	410.0	50.0		Pass
Benzene	ND	ND	0.00	2.0	2.0		Pass
Butanes	ND	ND	0.00	5000.0	250.0		Pass
Cumene	ND	ND	0.00	70.0	50.0		Pass
Cyclohexane	ND	ND	0.00	3880.0	50.0		Pass
Ethyl Acetate	ND	ND	0.00	5000.0	250.0		Pass
Ethyl Ether	ND	ND	0.00	5000.0	250.0		Pass
Ethylene Glycol	ND	ND	0.00	620.0	250.0		Pass
Ethylene Oxide	ND	ND	0.00	50.0	50.0		Pass
Heptane	ND	ND	0.00	5000.0	250.0		Pass
Hexanes	ND	ND	0.00	290.0	50.0		Pass
Isopropanol (2-Propanol)	ND	ND	0.00	5000.0	50.0		Pass
Isopropyl Acetate	ND	ND	0.00	5000.0	250.0		Pass
Methanol	ND	ND	0.00	3000.0	250.0		Pass
Dichloromethane	ND	ND	0.00	600.0	50.0		Pass
Pentanes	ND	ND	0.00	5000.0	250.0		Pass
Propane	ND	ND	0.00	5000.0	250.0		Pass
Tetrahydrofuran	ND	ND	0.00	720.0	50.0		Pass
Toluene	ND	ND	0.00	890.0	50.0		Pass
Xylenes	ND	ND	0.00	2170.0	50.0		Pass



Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 5/11/2020 Analysis Date: 5/15/2020 Report Date: 5/18/2020 Metrc Batch ID: 1A4010300016315000024735 Metrc Sample ID: 1A4010300016315000024768 Harvest/Process Date: 5/7/2020 Report ID: LS-200518-3 Sample Plan ID:SP-200511-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008



Solvents QC Analysis Date: 5/15/2020 Solvents QC Batch ID: RES_051520A Method: EPA 5021A Unit: μg/g (ppm)

1,4-Dioxane NO 50.8 85.3 1000 85.3 78 - 130 2-Butanol NO 250.0 911 1000 91.1 76 - 130 2-Ethoxyethanol NO 50.0 817 1000 81.7 76 - 130 Acetonic NO 250.0 816 1000 91.6 76 - 130 Acetonicile NO 250.0 816 1000 91.0 76 - 130 Butanes NO 2.9 21.4 20.0 97.0 76 - 130 Cumen NO 50.0 846 1000 92.2 76 - 130 Cyclohexane NO 50.0 836 1000 81.6 76 - 130 Ethyl Acetate NO 250.0 898 1000 81.8 76 - 130 Ethylane Glycol NO 250.0 884 1000 81.8 76 - 130 Ethylane Cycle NO 250.0 834 1000 87.0 78 - 130 Ethylane Cycle	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
2-Ethoxyethanol ND 59.0 817 1000 81.7 70 - 130 Acetone ND 250.0 816 1000 91.0 70 - 130 Acetonitrile ND 50.0 990 1000 90.0 70 - 130 Benzene ND 2.0 21.4 20.0 107 70 - 130 Butanes ND 2.50.0 1840 2000 92.2 70 - 130 Cumene ND 50.0 846 1000 84.6 70 - 130 Ethyl Acetate ND 250.0 836 1000 83.6 70 - 130 Ethyl Lether ND 250.0 818 1000 81.8 70 - 130 Ethylane Glycol ND 250.0 818 1000 81.8 70 - 130 Ethylane Oxide ND 50.0 878 1000 87.8 70 - 130 Heyane ND 50.0 80.0 8100 87.9 70 - 130 Isopropanol (2-Propanol)	1,4-Dioxane	ND	50.0	853	1000	85.3	70 - 130	
Acetone ND 258.8 816 1886 98.0 98.0 78 - 138 Acetonitrile ND 58.8 988 1888 99.0 78 - 138 Benzene ND 2.0 21.4 20.0 187 78 - 138 Butanes ND 259.8 1840 2080 92.2 79 - 138 Cumene ND 59.8 846 1808 84.6 79 - 138 Cyclohexane ND 59.8 836 1808 83.6 79 - 138 Ethyl Acetate ND 259.8 898 1808 89.8 79 - 138 Ethyl Ether ND 259.8 898 1808 81.8 79 - 138 Ethylene Glycol ND 259.8 884 1808 81.8 79 - 138 Ethylene Oxide ND 59.8 878 1808 87.8 79 - 138 Heyanes ND 59.8 99 1808 99.8 79 - 138 Isopropanol (2-Pr	2-Butanol	ND	250.0	911	1000	91.1	70 - 130	
Acetonitrile ND 58.8 988 1888 99.8 78 - 138 Benzene ND 2.0 21.4 28.8 197 78 - 138 Butanes ND 250.8 1849 2808 92.2 76 - 138 Cumene ND 50.0 846 1000 84.6 70 - 130 Cyclohexane ND 50.0 836 1000 83.6 70 - 130 Ethyl Acetate ND 250.0 898 1000 89.8 70 - 130 Ethyl Ether ND 250.0 818 1000 81.8 70 - 130 Ethylene Glycol ND 250.0 884 1000 87.8 70 - 130 Ethylene Oxide ND 50.0 878 1000 87.8 70 - 130 Heyane ND 50.0 4390 5000 87.8 70 - 130 Heyanes ND 50.0 908 1000 90.8 70 - 130 Sapproyal Acetate ND </th <th>2-Ethoxyethanol</th> <th>ND</th> <th>50.0</th> <th>817</th> <th>1000</th> <th>81.7</th> <th>70 - 130</th> <th></th>	2-Ethoxyethanol	ND	50.0	817	1000	81.7	70 - 130	
Benzene ND 2.8 1.4 20.8 107 70 - 130 Butanes ND 250.8 1840 2000 92.2 70 - 130 Cumene ND 50.8 846 1000 84.6 70 - 130 Cyclohexane ND 50.0 836 1000 83.6 70 - 130 Ethyl Acetate ND 250.0 898 1000 83.8 70 - 130 Ethyl Ether ND 250.0 818 1000 83.4 70 - 130 Ethylene Glycol ND 59.0 884 1000 83.4 70 - 130 Ethylene Oxide ND 59.0 884 1000 83.4 70 - 130 Heytane ND 59.0 898 1000 83.4 70 - 130 Heytane ND 59.0 4390 5000 87.9 70 - 130 Heytane ND 59.0 998 1000 99.9 70 - 130 Supproyal Acetate	Acetone	ND	250.0	816	1000	81.6	70 - 130	
Butanes ND 258.8 1848 2080 92.2 78 - 130 Cumene ND 59.8 846 1080 84.6 78 - 130 Cyclohexane ND 59.8 836 1080 83.6 78 - 130 Ethyl Acetate ND 259.8 898 1080 89.8 78 - 130 Ethyl Ether ND 259.8 884 1080 81.8 78 - 130 Ethylae Glycol ND 259.8 884 1080 87.8 78 - 130 Ethylae Oxide ND 59.9 878 1080 87.8 78 - 130 Heytane ND 59.9 878 1080 87.8 78 - 130 Hexanes ND 59.9 4390 5980 87.9 76 - 130 Isopropanol (2-Propanol) ND 59.8 998 1080 99.9 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 <th>Acetonitrile</th> <th>ND</th> <th>50.0</th> <th>900</th> <th>1000</th> <th>90.0</th> <th>70 - 130</th> <th></th>	Acetonitrile	ND	50.0	900	1000	90.0	70 - 130	
Cumene ND 58.8 846 1000 84.6 70 - 130 Cyclohexane ND 58.0 836 1000 83.6 70 - 130 Ethyl Acetate ND 250.0 898 1000 89.8 70 - 130 Ethyl Ether ND 250.0 818 1000 81.8 70 - 130 Ethylene Glycol ND 250.0 884 1000 88.4 70 - 130 Ethylene Oxide ND 50.0 878 1000 87.8 70 - 130 Heytane ND 250.0 863 1000 87.8 70 - 130 Hexanes ND 50.0 4390 5000 87.9 70 - 130 Isopropanol (2-Propanol) ND 50.0 908 1000 90.8 70 - 130 Methanol ND 250.0 909 1000 90.9 70 - 130 Methanol ND 50.0 858 1000 85.8 70 - 130 Pentanes <	Benzene	ND	2.0	21.4	20.0	107	70 - 130	
Cyclohexane ND 50.0 836 1000 83.6 70 - 130 Ethyl Acetate ND 250.0 898 1000 89.8 70 - 130 Ethyl Ether ND 250.0 818 1000 81.8 70 - 130 Ethylene Glycol ND 250.0 884 1000 88.4 70 - 130 Ethylene Oxide ND 50.0 878 1000 87.8 70 - 130 Heytane ND 250.0 863 1000 86.3 70 - 130 Isopropanol (2-Propanol) ND 50.0 4390 5000 87.9 70 - 130 Isopropyl Acetate ND 50.0 908 1000 90.8 70 - 130 Methanol ND 250.0 909 1000 90.9 70 - 130 Pentanes ND 50.0 858 1000 85.8 70 - 130 Propane ND 250.0 866 1000 86.6 70 - 130 Tetrahydrof	Butanes	ND	250.0	1840	2000	92.2	70 - 130	
Ethyl Acetate ND 250.0 898 1000 89.8 70 - 130 Ethyl Ether ND 250.0 818 1000 81.8 70 - 130 Ethylene Glycol ND 250.0 884 1000 81.8 70 - 130 Ethylene Oxide ND 50.0 878 1000 87.8 70 - 130 Heptane ND 250.0 863 1000 86.3 70 - 130 Hexanes ND 50.0 4390 5000 87.9 70 - 130 Isopropanol (2-Propanol) ND 50.0 908 1000 90.8 70 - 130 Isopropyl Acetate ND 250.0 909 1000 90.9 70 - 130 Methanol ND 250.0 794 1000 90.9 70 - 130 Dichloromethane ND 50.0 85.0 858 1000 85.8 70 - 130 Propane ND 250.0 866 1000 85.8 70 - 130 Propane ND 250.0 866 1000 80.8 70 - 130 Tetrahydrofuran ND 50.0 80.0 833 1000 80.3 3.3 70 - 130	Cumene	ND	50.0	846	1000	84.6	70 - 130	
Ethyl Ether ND 250.0 818 1000 81.8 70 - 130 Ethylene Glycol ND 250.0 884 1000 88.4 70 - 130 Ethylene Oxide ND 50.0 878 1000 87.8 70 - 130 Ethylene Oxide ND 250.0 863 1000 86.3 70 - 130 Ethylene Oxide ND 50.0 863 1000 86.3 70 - 130 Ethylene Oxide ND 50.0 863 1000 86.3 70 - 130 Ethylene Oxide ND 50.0 863 1000 87.9 70 - 130 Ethylene Oxide ND 50.0 908 1000 90.8 70 - 130 Ethylene Oxide ND 50.0 908 1000 90.9 70 - 130 Ethylene Oxide ND 250.0 909 1000 90.9 70 - 130 Ethylene Oxide ND 250.0 909 1000 90.9 70 - 130 Ethylene Oxide ND 250.0 858 1000 85.8 70 - 130 Ethylene Oxide ND 50.0 858 1000 85.8 70 - 130 Ethylene Oxide ND 50.0 858 1000 85.8 70 - 130 Ethylene Oxide ND 50.0 858 1000 85.8 70 - 130 Ethylene Oxide ND 50.0 866 1000 80.0 80.0 80.0 80.0 80.0 80.0 80.0	Cyclohexane	ND	50.0	836	1000	83.6	70 - 130	
Ethylene Glycol ND 250.0 884 1000 88.4 70 - 130 Ethylene Oxide ND 50.0 878 1000 87.8 70 - 130 Heptane ND 250.0 863 1000 86.3 70 - 130 Hexanes ND 50.0 4390 5000 87.9 70 - 130 Isopropanol (2-Propanol) ND 50.0 908 1000 90.8 70 - 130 Isopropyl Acetate ND 250.0 909 1000 90.9 70 - 130 Methanol ND 250.0 909 1000 90.9 70 - 130 Dichloromethane ND 50.0 858 1000 85.8 70 - 130 Pentanes ND 250.0 866 1000 85.8 70 - 130 Propane ND 250.0 866 1000 80.8 70 - 130 Tetrahydrofuran ND 50.0 897 1000 80.7 70 - 130 Tetrahydrofuran ND 50.0 887 1000 80.7 70 - 130 Toluene ND 50.0 887 1000 80.7 70 - 130	Ethyl Acetate	ND	250.0	898	1000	89.8	70 - 130	
Ethylene Oxide ND 59.0 878 1000 87.8 70 - 130 Heptane ND 250.0 863 1000 86.3 70 - 130 Hexanes ND 50.0 4390 5000 87.9 70 - 130 Isopropanol (2-Propanol) ND 50.0 908 1000 90.8 70 - 130 Isopropyl Acetate ND 250.0 909 1000 90.9 70 - 130 Methanol ND 250.0 794 1000 70.4 70 - 130 Dichloromethane ND 50.0 858 1000 70.4 70 - 130 Pentanes ND 250.0 858 1000 80.8 70 - 130 Propane ND 250.0 866 1000 80.8 70 - 130 Tetrahydrofuran ND 50.0 80 897 1000 80.7 70 - 130 Tetrahydrofuran ND 50.0 833 1000 80.7 70 - 130	Ethyl Ether	ND	250.0	818	1000	81.8	70 - 130	
Heptane ND 250.0 863 1000 86.3 70 - 130 Hexanes ND 50.0 4390 5000 87.9 70 - 130 Isopropanol (2-Propanol) ND 50.0 908 1000 90.8 70 - 130 Isopropyl Acetate ND 250.0 909 1000 90.9 70 - 130 Methanol ND 250.0 794 1000 79.4 70 - 130 Dichloromethane ND 50.0 858 1000 85.8 70 - 130 Pentanes ND 250.0 858 1000 85.8 70 - 130 Pentanes ND 250.0 860 1000 85.8 70 - 130 Propane ND 250.0 860 1000 80.8 70 - 130 Propane ND 250.0 860 1000 80.8 70 - 130 Propane ND 50.0 860 1000 80.0 80.0 80.0 70 - 130 Propane ND 50.0 800 800 8000 80.0 70 - 130 Propane ND 50.0 800 800 8000 80.0 70 - 130 Propane ND 50.0 800 800 8000 80.0 70 - 130 Propane ND 50.0 800 800 8000 80.0 70 - 130 Propane ND 50.0 800 800 8000 80.0 70 - 130 Propane ND 50.0 800 800 8000 8000 8000 8000 8000 8	Ethylene Glycol	ND	250.0	884	1000	88.4	70 - 130	
Hexanes ND 50.0 4390 5000 87.9 70 - 130 Isopropanol (2-Propanol) ND 50.0 908 1000 90.8 70 - 130 Isopropyl Acetate ND 250.0 909 1000 90.9 70 - 130 Methanol ND 250.0 794 1000 79.4 70 - 130 Dichloromethane ND 50.0 858 1000 85.8 70 - 130 Pentanes ND 250.0 2690 3000 87.8 70 - 130 Propane ND 250.0 866 1000 80.6 70 - 130 Tetrahydrofuran ND 50.0 897 1000 89.7 70 - 130 Toluene ND 50.0 833 1000 83.3 70 - 130	Ethylene Oxide	ND	50.0	878	1000	87.8	70 - 130	
Isopropanol (2-Propanol) ND 50.0 908 1000 90.8 70 - 130 Isopropyl Acetate ND 250.0 909 1000 90.9 70 - 130 Methanol ND 250.0 794 1000 79.4 70 - 130 Dichloromethane ND 50.0 858 1000 85.8 70 - 130 Pentanes ND 250.0 2690 3000 89.8 70 - 130 Propane ND 250.0 866 1000 86.6 70 - 130 Tetrahydrofuran ND 50.0 897 1000 89.7 70 - 130 Toluene ND 50.0 833 1000 83.3 70 - 130	Heptane	ND	250.0	863	1000	86.3	70 - 130	
Isopropyl Acetate ND 250.0 909 1000 90.9 70 - 130 Methanol ND 250.0 794 1000 79.4 70 - 130 Dichloromethane ND 50.0 858 1000 85.8 70 - 130 Pentanes ND 250.0 2690 3000 89.8 70 - 130 Propane ND 250.0 866 1000 86.6 70 - 130 Tetrahydrofuran ND 50.0 897 1000 89.7 70 - 130 Toluene ND 50.0 833 1000 83.3 70 - 130	Hexanes	ND	50.0	4390	5000	87.9	70 - 130	
Methanol ND 250.0 794 1000 79.4 70 - 130 Dichloromethane ND 50.0 858 1000 85.8 70 - 130 Pentanes ND 250.0 2600 3000 89.8 70 - 130 Propane ND 250.0 866 1000 86.6 70 - 130 Tetrahydrofuran ND 50.0 897 1000 89.7 70 - 130 Toluene ND 50.0 833 1000 83.3 70 - 130	Isopropanol (2-Propanol)	ND	50.0	908	1000	90.8	70 - 130	
Dichloromethane ND 59.0 858 1000 85.8 70 - 130 Pentanes ND 250.0 2690 3000 89.8 70 - 130 Propane ND 250.0 866 1000 86.6 70 - 130 Tetrahydrofuran ND 50.0 897 1000 89.7 70 - 130 Toluene ND 50.0 833 1000 83.3 70 - 130	Isopropyl Acetate	ND	250.0	909	1000	90.9	70 - 130	
Pentanes ND 250.0 2690 3000 89.8 70 - 130 Propane ND 250.0 866 1000 86.6 70 - 130 Tetrahydrofuran ND 50.0 897 1000 89.7 70 - 130 Toluene ND 50.0 833 1000 83.3 70 - 130	Methanol	ND	250.0	794	1000	79.4	70 - 130	
Propane ND 250.0 866 1000 86.6 70 - 130 Tetrahydrofuran ND 50.0 897 1000 89.7 70 - 130 Toluene ND 50.0 833 1000 83.3 70 - 130	Dichloromethane	ND	50.0	858	1000	85.8	70 - 130	
Tetrahydrofuran ND 50.0 897 1000 89.7 70 - 130 Toluene ND 50.0 833 1000 83.3 70 - 130	Pentanes	ND	250.0	2690	3000	89.8	70 - 130	
Toluene ND 50.0 833 1000 83.3 70 - 130	Propane	ND	250.0	866	1000	86.6	70 - 130	
	Tetrahydrofuran	ND	50.0	897	1000	89.7	70 - 130	
Xylenes ND 50.0 3440 4000 86.1 70 - 130	Toluene	ND	50.0	833	1000	83.3	70 - 130	
	Xylenes	ND	50.0	3440	4000	86.1	70 - 130	



Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts
Sample Date: 5/11/2020
Analysis Date: 5/15/2020
Report Date: 5/18/2020

Metrc Batch ID: 1A4010300016315000024735 Metrc Sample ID: 1A4010300016315000024768 Harvest/Process Date: 5/7/2020 Report ID: LS-200518-3 Sample Plan ID:SP-200511-2-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Qualifier Flag Descriptions

J	Reported result is an estimate - the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
U	The analyte was not detected in the sample at the estimated detection limit (EDL)
E	Exceeds calibration range
D	Dilution data - result was obtained from the analysis of a dilution
В	Analyte found in sample and associated blank
С	Co-eluting compound
R	Relative Percent Difference (RPD) outside control limits
NR	Analyte not reported because of problems in sample preparation or analysis
ND	Non-Detect
x	Results from reinjection/repeat/re-column data
EMC	Estimated maximum possible concentration - indicates that a peak is detected but did not meet the method required criteria
М	Manual integration
PS	Peaks split
НВ	Control acceptance criteria are exceeded high and the associated sample exceeds the detection limit
LB	Control acceptance criteria are exceeded low and the associated sample is below the regulatory limit
ME	Marginal Exceedance
LR	Low Recovery Analyte
LOQ	Limit of Quantitation