

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

Sample Type: Extracts Sample Date: 4/17/2020 Analysis Date: 4/20/2020 Report Date: 4/24/2020

1A4010300016315000024267 Metrc Sample ID: 1A4010300016315000024272 Harvest/Process Date: 4/16/2020 Report ID: LS-200424-9 Sample Plan ID:SP-200417-8-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Potency

Potency Analysis Date: 4/23/2020 Potency Batch ID: CAN_042320A Potency Method: JAOAC 2015.1

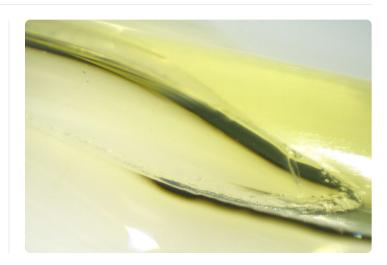
75.0%

Total THC

0.205%

Total CBD

Samples: XZD-NPB-XZF, HTN-FJP-SFJ



Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	Unit:
Д9ТНС	Delta-9 Tetrahydrocannabinol	0.16	11.5	70.3	78.9	74.6	
THCA	Tetrahydrocannabinolic acid	0.16	108	<l0q< td=""><td>0.539</td><td>0.539</td><td>•</td></l0q<>	0.539	0.539	•
CBD	Cannabidiol	0.16	32.4	ND	0.222	0.111	•
CBDA	Cannabidiolic acid	0.16	29.2	ND	0.215	0.107	•
Δ8ΤΗC	Delta-8 Tetrahydrocannabinol*	0.16	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.16	5.02	0.490	0.515	0.502	•
CBG	Cannabigerol*	0.16	9.46	1.68	1.85	1.76	•
CBGA	Cannabigerolic acid*	0.16	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.16	1.17	2.09	2.12	2.10	•
CBCA	Cannabichromenic acid*	0.16	0.00	ND	ND	ND	
CBN	Cannabinol	0.16	36.6	0.662	0.959	0.810	•
Total THC	Δ9THC + (THCA × 0.877)		10.8	70.3	79.3	75.0	
Total CBD	CBD + (CBDA × 0.877)		87.7	ND	0.410	0.205	•
Total			11.1	75.2	85.3	80.5	

Compliance

Pesticides	Within limits	Analysis Date: 4/23/2020	Pass 📀
Solvents	Within limits	Analysis Date: 4/24/2020	Pass 🛇
Potency	Within limits	Analysis Date: 4/23/2020	Pass 🛇

Bryce Kidd, Ph.D. Lab Director

Chief Science Officer





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Metrc Batch ID: 1A4010300016315000024267 Metrc Sample ID: 1A4010300016315000024272

Terpene Analysis Date: 4/20/2020

Terpene Batch ID: TRP 042020A

Total

Harvest/Process Date: 4/16/2020 Report ID: LS-200424-9 Sample Plan ID:SP-200417-8-A Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Method: JAOAC 2015.1

Unit: %



Camphene Azulene

Camphore

Geraniol

Cedrol

Analyte	Avg.	Notes
β-Caryophyllene	0.886%	
β-Farnesene 2	0.593%	
Humulene	0.265%	
α-Bisabolol	0.0444%	•
Limonene	0.0249%	•
α-Terpineol	0.0208%	•
β-Myrcene	0.0170%	•
Caryophyllene Oxide	0.0165%	•
Linalool	0.0152%	•
Selinadiene	0.0143%	•
Fenchol	0.0136%	•
Terpinolene	0.00739%	•
β-Ocimene	0.00598%	•
β-Pinene	0.00529%	•
Sabinene	0.00491%	•
Eucalyptol	0.00470%	•
Cymene	0.00380%	•
α-Terpinene	0.00369%	•
α-Pinene	0.00296%	•
Borneol	0.00255%	•
Δ3-Carene	0.00244%	•
γ-Terpinene	0.00226%	•
α-Ocimene	0.00127%	•
Fenchone	0.000750%	•

0.000434%

ND

ND

ND

ND

Analyte	Avg.	Notes
Geranyl Acetate	ND	
Guaiol	ND	
Isoborneol	ND	
Isopulegol	ND	
Nerol	ND	
Pulegone	ND	
Sabinene Hydrate	ND	
Valencene	ND	
cis-Nerolidol	ND	
trans-Nerolidol	ND	
α-Cedrene	ND	
$\alpha\text{-Phellandrene}$	ND	
β-Farnesene 1	ND	
γ-Terpineol	ND	

1.96%



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Pesticides Analysis Date: 4/23/2020 Pesticides Batch ID: PST 042320A

Method: EN 15662 Unit: μg/g (ppm) Pass 🕢

Analyte	XZD-NPB-XZF	HTN-FJP-SFJ	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	XZD-NPB-XZF	HTN-FJP-SFJ	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	1.09	0.977	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



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Pesticides Quality Control Data

Analyte	Blank		LCS		LCS Rec (%)		Notes
Abamectin	ND	0.1	1.09	1.00	109	50 - 150	
Acephate	ND	0.1	1.06	1.00	106	50 - 150	
Acequinocyl	ND	1.5	1.31	1.00	131	50 - 150	
Acetamiprid	ND	0.1	1.09	1.00	109	50 - 150	
Aldicarb	ND	0.1	1.08	1.00	108	50 - 150	
Azoxystrobin	ND	0.1	1.14	1.00	114	50 - 150	
Bifenazate	ND	0.1	1.22	1.00	122	50 - 150	
Bifenthrin	ND	0.1	1.50	1.00	150	50 - 150	
Boscalid	ND	0.1	1.15	1.00	115	50 - 150	
Carbaryl	ND	0.1	1.10	1.00	110	50 - 150	
Carbofuran	ND	0.1	1.10	1.00	110	50 - 150	
Chlorantraniliprole	ND	0.1	1.11	1.00	111	50 - 150	
Chlorfenapyr	ND	0.1	1.01	1.00	101	50 - 150	
Chlorpyrifos	ND	0.1	1.03	1.00	103	50 - 150	
Clofentezine	ND	0.1	0.946	1.00	94.6	50 - 150	
Cyfluthrin	ND	0.5	0.651	1.00	65.1	50 - 150	
Cypermethrin	ND	0.1	1.04	1.00	104	50 - 150	
Daminozide	ND	0.5	0.294	1.00	29.4	10 - 150	
Diazinon	ND	0.1	0.999	1.00	99.9	50 - 150	
Dichlorvos (DDVP)	ND	0.5	0.688	1.00	68.8	50 - 150	
Dimethoate	ND	0.1	1.02	1.00	102	50 - 150	
Ethoprophos	ND	0.1	0.962	1.00	96.2	50 - 150	
Etofenprox	ND	0.1	1.14	1.00	114	50 - 150	
Etoxazole	ND	0.1	1.26	1.00	126	50 - 150	
Fenoxycarb	ND	0.1	1.05	1.00	105	50 - 150	
Fenpyroximate	ND	0.1	1.09	1.00	109	50 - 150	
Fipronil	ND	0.1	1.01	1.00	101	50 - 150	
Flonicamid	ND	0.1	1.14	1.00	114	50 - 150	
Fludioxonil	ND	0.1	1.13	1.00	113	50 - 150	
Hexythiazox	ND	0.1	1.02	1.00	102	50 - 150	
Imazalil	ND	0.1	1.07	1.00	107	50 - 150	
Imidacloprid	ND	0.1	1.14	1.00	114	50 - 150	
Kresoxim-methyl	ND	0.1	1.04	1.00	104	50 - 150	
Malathion	ND	0.1	1.02	1.00	102	50 - 150	

Pesticides QC Analysis Date: 4/23/2020 Pesticides QC Batch ID: PST 042320A Method: EN 15662 Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	1.08	1.00	108	50 - 150	
Methiocarb	ND	0.1	1.10	1.00	110	50 - 150	
Methomyl	ND	0.1	1.12	1.00	112	50 - 150	
Methyl Parathion	ND	0.2	0.302	1.00	30.2	30 - 150	
MGK-264	ND	0.2	0.569	0.600	94.9	50 - 150	
Myclobutanil	ND	0.1	1.09	1.00	109	50 - 150	
Naled	ND	0.2	1.01	1.00	101	50 - 150	
Oxamyl	ND	0.1	1.12	1.00	112	50 - 150	
Paclobutrazol	ND	0.1	1.10	1.00	110	50 - 150	
Permethrins	ND	0.1	1.47	1.00	147	50 - 150	
Phosmet	ND	0.1	1.01	1.00	101	50 - 150	
Piperonyl Butoxide	ND	0.1	1.11	1.00	111	50 - 150	
Prallethrin	ND	0.1	1.14	1.00	114	50 - 150	
Propiconazole	ND	0.1	0.747	1.00	74.7	50 - 150	
Propoxur	ND	0.1	1.07	1.00	107	50 - 150	
Pyrethrins	ND	0.5	0.637	1.00	63.7	50 - 150	
Pyridaben	ND	0.1	1.12	1.00	112	50 - 150	
Spinosad	ND	0.1	1.15	1.00	115	50 - 150	
Spiromesifen	ND	0.1	1.02	1.00	102	50 - 150	
Spirotetramat	ND	0.1	1.07	1.00	107	50 - 150	
Spiroxamine	ND	0.1	0.894	1.00	89.4	50 - 150	
Tebuconazole	ND	0.1	1.02	1.00	102	50 - 150	
Thiacloprid	ND	0.1	1.10	1.00	110	50 - 150	
Thiamethoxam	ND	0.1	1.12	1.00	112	50 - 150	
Trifloxystrobin	ND	0.1	1.07	1.00	107	50 - 150	



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Solvents Analysis Date: 4/24/2020 Solvents Batch ID: RES 042320B Method: EPA 5021A Unit: μg/g (ppm) Pass 🤡

Analyte	XZD-NPB-XZF	HTN-FJP-SFJ	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



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Residual Solvents Quality Control Data Solvents QC Analysis Date: 4/24/2020 Solvents QC Batch ID: RES 042320B

Method: EPA 5021A Unit: µg/g (ppm)

1,4-bioxane NO 58.8 972 1988 97.2 78 - 138 2-Butanol NO 258.0 976 1888 97.6 78 - 138 2-Ethoxyethanol NO 59.0 922 1808 92.2 78 - 138 Acetonic NO 259.0 898 1808 91.8 78 - 138 Acetonicile NO 2.8 16.4 28.0 91.8 78 - 138 Butanes NO 2.8 16.4 28.0 91.2 78 - 138 Cumen NO 259.0 1828 280 91.2 78 - 138 Cyclohexane NO 59.0 983 1808 99.3 78 - 138 Ethyl Acetate NO 59.0 983 1808 99.1 79 - 138 Ethyl Ether NO 259.0 991 1808 99.1 79 - 139 Ethylae Glycol NO 259.0 992 1808 99.9 79 - 139 Ethylae Glycol N	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
2-Ethoxyethanol ND 59.0 922 1888 92.2 78 - 138 Acetone ND 258.0 898 1808 89.8 76 - 138 Acetonitrile ND 59.0 918 1809 91.8 76 - 139 Benzene ND 2.0 16.4 28.0 81.9 76 - 138 Butanes ND 2.50.8 1820 2080 91.2 78 - 130 Cumene ND 59.0 983 1000 98.3 70 - 130 Etyl Acetate ND 250.0 995 1000 94.9 70 - 130 Etyl Acetate ND 250.0 991 1000 94.9 70 - 130 Etyl Lether ND 250.0 991 1000 90.1 70 - 130 Etylane Glycol ND 50.0 992 1000 90.9 70 - 130 Etylane Oxide ND 50.0 990 1000 90.9 70 - 130 Heyane ND <th>1,4-Dioxane</th> <th>ND</th> <th>50.0</th> <th>972</th> <th>1000</th> <th>97.2</th> <th>70 - 130</th> <th></th>	1,4-Dioxane	ND	50.0	972	1000	97.2	70 - 130	
Acetone	2-Butanol	ND	250.0	976	1000	97.6	70 - 130	
Acetonitrile ND 50.0 918 1800 91.8 70 - 130 Benzene ND 2.0 16.4 20.0 81.9 70 - 130 Butanes ND 250.0 1820 2000 91.2 70 - 130 Cumene ND 50.0 983 1800 98.3 70 - 130 Cyclohexane ND 50.0 993 1800 99.3 70 - 130 Ethyl Acetate ND 250.0 949 1800 94.9 70 - 130 Ethyl Ether ND 250.0 991 1800 99.1 70 - 130 Ethylene Glycol ND 250.0 991 1800 99.1 70 - 130 Ethylene Oxide ND 50.0 909 1800 92.0 70 - 130 Heyane ND 50.0 967 1800 92.1 70 - 130 Heyanes ND 50.0 967 1800 97.6 70 - 130 Soproyal Acetate ND <th>2-Ethoxyethanol</th> <th>ND</th> <th>50.0</th> <th>922</th> <th>1000</th> <th>92.2</th> <th>70 - 130</th> <th></th>	2-Ethoxyethanol	ND	50.0	922	1000	92.2	70 - 130	
Benzene ND 2.8 16.4 28.0 81.9 78 - 138 Butanes ND 250.0 1820 2000 91.2 78 - 130 Cumene ND 50.0 983 1000 98.3 78 - 130 Cyclohexane ND 50.0 935 1000 93.5 78 - 130 Ethyl Acetate ND 250.0 949 1000 94.9 78 - 130 Ethyl Ether ND 250.0 991 1000 99.1 78 - 130 Ethylene Glycol ND 50.0 920 1000 99.9 78 - 130 Ethylene Oxide ND 50.0 990 1000 99.9 70 - 130 Heytane ND 50.0 991 1000 99.9 70 - 130 Heytane ND 50.0 967 1000 97.6 70 - 130 Heytane ND 50.0 96 1000 97.6 70 - 130 Spoppoyl Acetate ND	Acetone	ND	250.0	898	1000	89.8	70 - 130	
Butanes ND 250.0 1820 2000 91.2 78 - 138 Cumene ND 50.0 983 1000 98.3 76 - 130 Cyclohexane ND 50.0 935 1000 93.5 76 - 130 Ethyl Acetate ND 250.0 949 1000 94.9 76 - 130 Ethyl Ether ND 250.0 991 1000 90.1 76 - 130 Ethylae Glycol ND 250.0 920 1000 92.0 76 - 130 Ethylaene Oxide ND 50.0 999 1000 90.9 76 - 130 Heytane ND 50.0 921 1000 92.1 70 - 130 Hexanes ND 50.0 967 1000 96.7 70 - 130 Isopropanol (2-Propanol) ND 250.0 976 1000 97.6 70 - 130 Methanol ND 250.0 982 1000 94.2 70 - 130 Propane <t< th=""><th>Acetonitrile</th><th>ND</th><th>50.0</th><th>918</th><th>1000</th><th>91.8</th><th>70 - 130</th><th></th></t<>	Acetonitrile	ND	50.0	918	1000	91.8	70 - 130	
Cumene ND 50.0 983 1000 98.3 70 - 130 Cyclohexane ND 50.0 935 1000 93.5 70 - 130 Ethyl Acetate ND 250.0 949 1000 94.9 70 - 130 Ethyl Ether ND 250.0 901 1000 92.0 70 - 130 Ethylene Glycol ND 250.0 920 1000 92.0 70 - 130 Ethylene Oxide ND 50.0 909 1000 92.1 70 - 130 Heytane ND 250.0 921 1000 92.1 70 - 130 Hexanes ND 50.0 4620 5000 92.4 70 - 130 Isopropanol (2-Propanol) ND 50.0 967 1000 97.6 70 - 130 Methanol ND 250.0 868 1000 97.6 70 - 130 Pentanes ND 50.0 942 1000 94.2 70 - 130 Propane <t< th=""><th>Benzene</th><th>ND</th><th>2.0</th><th>16.4</th><th>20.0</th><th>81.9</th><th>70 - 130</th><th></th></t<>	Benzene	ND	2.0	16.4	20.0	81.9	70 - 130	
Cyclohexane ND 50.0 935 1000 93.5 70 - 130 Ethyl Acetate ND 250.0 949 1000 94.9 70 - 130 Ethyl Ether ND 250.0 901 1000 90.1 70 - 130 Ethylene Glycol ND 250.0 920 1000 92.0 70 - 130 Ethylene Oxide ND 50.0 909 1000 90.9 70 - 130 Heyane ND 250.0 921 1000 92.1 70 - 130 Hexanes ND 50.0 4620 5000 92.4 70 - 130 Isopropanol (2-Propanol) ND 50.0 967 1000 96.7 70 - 130 Isopropyl Acetate ND 250.0 976 1000 97.6 70 - 130 Methanol ND 50.0 422 1000 94.2 70 - 130 Propane ND 250.0 882 1000 94.2 70 - 130 Tetrahydrofur	Butanes	ND	250.0	1820	2000	91.2	70 - 130	
Ethyl Acetate ND 250.0 949 1000 94.9 70 - 130 Ethyl Ether ND 250.0 901 1000 90.1 70 - 130 Ethylene Glycol ND 250.0 909 1000 92.0 70 - 130 Ethylene Oxide ND 50.0 909 1000 90.9 70 - 130 Heptane ND 250.0 921 1000 92.1 70 - 130 Hexanes ND 50.0 4620 5000 92.1 70 - 130 Isopropanol (2-Propanol) ND 50.0 967 1000 92.4 70 - 130 Isopropyl Acetate ND 250.0 967 1000 97.6 70 - 130 Methanol ND 250.0 868 1000 97.6 70 - 130 Methanol ND 250.0 868 1000 97.6 70 - 130 Dichloromethane ND 50.0 942 1000 97.6 70 - 130 Propane ND 250.0 888 1000 94.2 70 - 130 Propane ND 250.0 882 1000 94.2 70 - 130 Tetrahydrofuran ND 50.0 902 1000 94.2 70 - 130 Tetrahydrofuran ND 50.0 942 1000 94.2 70 - 130 Tetrahydrofuran ND 50.0 942 1000 94.2 70 - 130	Cumene	ND	50.0	983	1000	98.3	70 - 130	
Ethyl Ether ND 250.0 901 1000 90.1 70 - 130 Ethylene Glycol ND 250.0 920 1000 92.0 70 - 130 Ethylene Oxide ND 50.0 909 1000 90.9 70 - 130 Ethylene Oxide ND 250.0 921 1000 92.1 70 - 130 Ethylene Oxide ND 250.0 921 1000 92.1 70 - 130 Ethylene Oxide ND 50.0 921 1000 92.1 70 - 130 Ethylene Oxide ND 50.0 921 1000 92.1 70 - 130 Ethylene Oxide ND 50.0 967 1000 92.4 70 - 130 Ethylene Oxide ND 50.0 967 1000 92.4 70 - 130 Ethylene Oxide ND 50.0 967 1000 97.6 70 - 130 Ethylene Oxide ND 250.0 976 1000 97.6 70 - 130 Ethylene Oxide ND 250.0 868 1000 86.8 70 - 130 Ethylene Oxide ND 50.0 942 1000 94.2 70 - 130 Ethylene Oxide ND 50.0 942 1000 94.2 70 - 130 Ethylene Oxide ND 50.0 962 1000 96.2 70 - 130 Ethylene Oxide ND 50.0 962 1000 96.2 70 - 130 Ethylene Oxide ND 50.0 962 1000 96.2 70 - 130 Ethylene Oxide ND 50.0 962 1000 96.2 70 - 130 Ethylene Oxide ND 50.0 942 1000 96.2 70 - 130 Ethylene Oxide ND 50.0 962 1000 96.2 70 - 130 Ethylene Oxide ND 50.0 942 1000 96.2 70 - 130 Ethylene Oxide ND	Cyclohexane	ND	50.0	935	1000	93.5	70 - 130	
Ethylene Glycol ND 250.0 920 1000 92.0 70 - 130 Ethylene Oxide ND 50.0 909 1000 92.0 70 - 130 Heptane Oxide ND 50.0 909 1000 92.1 70 - 130 Hexanes ND 50.0 921 1000 92.4 70 - 130 Hexanes ND 50.0 4620 5000 92.4 70 - 130 Isopropanol (2-Propanol) ND 50.0 967 1000 96.7 70 - 130 Isopropyl Acetate ND 250.0 976 1000 97.6 70 - 130 Methanol ND 250.0 868 1000 97.6 70 - 130 Isopropyl Acetate ND 50.0 976 1000 97.6 70 - 130 Pentanes ND 50.0 942 1000 97.6 70 - 130 Pentanes ND 50.0 942 1000 97.6 70 - 130 Pentanes ND 50.0 98.0 942 1000 97.6 70 - 130 Pentanes ND 50.0 98.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97	Ethyl Acetate	ND	250.0	949	1000	94.9	70 - 130	
Ethylene Oxide ND SO SO SO SO SO SO SO SO SO S	Ethyl Ether	ND	250.0	901	1000	90.1	70 - 130	
Heptane ND 250.0 921 1000 92.1 70 - 130 Hexanes ND 50.0 4620 5000 92.4 70 - 130 Isopropanol (2-Propanol) ND 50.0 967 1000 96.7 70 - 130 Isopropyl Acetate ND 250.0 976 1000 97.6 70 - 130 Methanol ND 250.0 868 1000 86.8 70 - 130 Dichloromethane ND 50.0 942 1000 94.2 70 - 130 Pentanes ND 250.0 2750 3000 91.6 70 - 130 Propane ND 250.0 882 1000 88.2 70 - 130 Propane ND 250.0 882 1000 94.2 70 - 130 Propane ND 50.0 962 1000 96.2 70 - 130 Tetrahydrofuran ND 50.0 962 1000 94.2 70 - 130 Propane ND 50.0 962 1000 94.2 70 - 130 Propane ND 50.0 962 1000 96.2 70 - 130 Propane ND 50.0 962 1000 96.2 70 - 130 Propane ND 50.0 962 1000 94.2 70 - 130 Propane ND 50.0 962 1000 96.2 70 - 130 Propane ND 50.0 962 1000 94.2 70 - 130 Propane ND 50.0 962 1000 94.2 70 - 130 Propane ND 50.0 942 942 942 942 942 942 942 942 942 942	Ethylene Glycol	ND	250.0	920	1000	92.0	70 - 130	
Hexanes ND 50.0 50.0 4620 5000 92.4 70 - 130 Isopropanol (2-Propanol) ND 50.0 967 1000 96.7 70 - 130 Isopropyl Acetate ND 250.0 976 1000 97.6 70 - 130 Methanol ND 250.0 868 1000 86.8 70 - 130 Dichloromethane ND 50.0 942 1000 94.2 70 - 130 Pentanes ND 250.0 882 1000 91.6 70 - 130 Propane ND 250.0 882 1000 91.6 70 - 130 Tetrahydrofuran ND 50.0 962 1000 96.2 70 - 130 Toluene ND 50.0 942 1000 96.2 70 - 130	Ethylene Oxide	ND	50.0	909	1000	90.9	70 - 130	
Isopropanol (2-Propanol) ND 50.0 967 1000 96.7 70 - 130 Isopropyl Acetate ND 250.0 976 1000 97.6 70 - 130 Methanol ND 250.0 868 1000 86.8 70 - 130 Dichloromethane ND 50.0 942 1000 94.2 70 - 130 Pentanes ND 250.0 2750 3000 91.6 70 - 130 Propane ND 250.0 882 1000 88.2 70 - 130 Tetrahydrofuran ND 50.0 962 1000 96.2 70 - 130 Toluene ND 50.0 942 1000 94.2 70 - 130	Heptane	ND	250.0	921	1000	92.1	70 - 130	
Isopropyl Acetate ND 250.0 976 1000 97.6 70 - 130 Methanol ND 250.0 868 1000 86.8 70 - 130 Dichloromethane ND 50.0 942 1000 94.2 70 - 130 Pentanes ND 250.0 2750 3000 91.6 70 - 130 Propane ND 250.0 882 1000 88.2 70 - 130 Tetrahydrofuran ND 50.0 962 1000 96.2 70 - 130 Toluene ND 50.0 942 1000 94.2 70 - 130	Hexanes	ND	50.0	4620	5000	92.4	70 - 130	
Methanol ND 250.0 868 1000 86.8 70 - 130 Dichloromethane ND 50.0 942 1000 94.2 70 - 130 Pentanes ND 250.0 2750 3000 91.6 70 - 130 Propane ND 250.0 882 1000 88.2 70 - 130 Tetrahydrofuran ND 50.0 962 1000 96.2 70 - 130 Toluene ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 96.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 1000 94.2 70 - 130 Propane ND 50.0 942 94.2 94.2 94.2 94.2 94.2 94.2 94.2	Isopropanol (2-Propanol)	ND	50.0	967	1000	96.7	70 - 130	
Dichloromethane ND 59.0 942 1000 94.2 70 - 130 Pentanes ND 250.0 2750 3000 91.6 70 - 130 Propane ND 250.0 882 1000 88.2 70 - 130 Tetrahydrofuran ND 50.0 962 1000 96.2 70 - 130 Toluene ND 50.0 942 1000 94.2 70 - 130	Isopropyl Acetate	ND	250.0	976	1000	97.6	70 - 130	
Pentanes ND 250.0 2750 3000 91.6 70 - 130 Propane ND 250.0 882 1000 88.2 70 - 130 Tetrahydrofuran ND 50.0 962 1000 96.2 70 - 130 Toluene ND 50.0 942 1000 94.2 70 - 130	Methanol	ND	250.0	868	1000	86.8	70 - 130	
Propane ND 250.0 882 1000 88.2 70 - 130 Tetrahydrofuran ND 50.0 962 1000 96.2 70 - 130 Toluene ND 50.0 942 1000 94.2 70 - 130	Dichloromethane	ND	50.0	942	1000	94.2	70 - 130	
Tetrahydrofuran ND 50.0 962 1000 96.2 70 - 130 Toluene ND 50.0 942 1000 94.2 70 - 130	Pentanes	ND	250.0	2750	3000	91.6	70 - 130	
Toluene ND 50.0 942 1000 94.2 70 - 130	Propane	ND	250.0	882	1000	88.2	70 - 130	
	Tetrahydrofuran	ND	50.0	962	1000	96.2	70 - 130	
Xylenes ND 50.0 3840 4000 96.0 70 - 130	Toluene	ND	50.0	942	1000	94.2	70 - 130	
	Xylenes	ND	50.0	3840	4000	96.0	70 - 130	



Farmer's Friend Extracts 6451 NE Colwood Wy Portland, OR 97218 503-442-8653 Sample Type: Extracts Sample Date: 4/17/2020 Analysis Date: 4/20/2020 Report Date: 4/24/2020

Metrc Batch ID: 1A4010300016315000024267 Metrc Sample ID: 1A4010300016315000024272 Harvest/Process Date: 4/16/2020 Report ID: LS-200424-9 Sample Plan ID:SP-200417-8-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