

Oregon Genetics Cannabis

Sample: 1712CH0184.0989

Corvallis, OR 97333
caleb@oregongeneticscannabis.com
(503) 891-4479
Lic. #030-1005028B660

Strain: Ogre
Batch#: ; Batch Size: 1225.92 - grams
Sample Received: 12/19/2017; Report Created: 12/30/2017; Expires: 12/30/2018
Sampling: Random; Environment: Room Temp

Ogre

Concentrates & Extracts, Live Resin, Butane
Harvest Process Lot: ; METRC Batch: 1A401030007DCA000003236; METRC Sample: 1A401030007DCA000003295



Pass

Pesticides

Pass

Residual Solvents

Cannabinoids

008 HPLC4 20171227-4
12/27/2017

Pass

73.16%

Total THC* (Calculated
Decarboxylated Potential)

0.13%

Total CBD** (Calculated
Decarboxylated Potential)

86.72%

Total Cannabinoids Analyzed

Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.2	79.70	797.0
Δ9-THC	0.2	3.27	32.7
THCV	0.2	<LOQ	<LOQ
CBDa	0.2	0.15	1.5
CBD	0.2	<LOQ	<LOQ
CBDV	0.2	<LOQ	<LOQ
CBN	0.2	<LOQ	<LOQ
CBGa	0.2	3.38	33.8
CBG	0.2	0.16	1.6
CBC	0.2	0.06	0.6
Total		86.72	867.2

*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD.
Report Compliant with OAR Rule 333-008-1190.
Based on dry weight; LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

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Residual Solvents

016 GCMS2 20171222-1
12/22/2017

Pass

Analyte	LOQ PPM	Limit PPM	Mass PPM	Status
1,4-Dioxane	10		<LOQ	Tested
2-Butanol	10		<LOQ	Tested
2-Ethoxy-Ethanol	10		<LOQ	Tested
2-Propanol IPA	10		<LOQ	Tested
Acetone	10		<LOQ	Tested
Acetonitrile	40		<LOQ	Tested
Benzene	2		<LOQ	Tested
Butanes	10		1568	Tested
Cumene	10		<LOQ	Tested
Cyclohexane	10		<LOQ	Tested
Dichloromethane	10		<LOQ	Tested
Ethyl-Acetate	10		<LOQ	Tested
Ethyl-Ether	10		<LOQ	Tested
Ethylene Glycol	620		<LOQ	Tested
Ethylene Oxide	10		<LOQ	Tested
Heptane	10		<LOQ	Tested
Hexanes	10		<LOQ	Tested
Isopropyl-Acetate	10		<LOQ	Tested
Methanol	40		<LOQ	Tested
Pentanes	10		<LOQ	Tested
Propane	10		<LOQ	Tested
Tetrahydrofuran	10		<LOQ	Tested
Toluene	10		<LOQ	Tested
Xylenes	10		<LOQ	Tested

LOQ = Limit of Quantification; PPM = Parts Per Million; NR = Not Reported; ND = Not Detected. Method: EPA 8260C, Agilent 6890A GCMS with 7679A Headspace Autosampler; ORELAP ID 4057

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Pesticides

027 LCQQQ3 20171222-2
12/23/2017

Pass

Analyte	LOQ	Limit	Mass	Status	Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB			PPB	PPB	PPB	
Abamectin	300	500	<LOQ	Pass	Imazalil	200	200	<LOQ	Pass
Acephate	200	400	<LOQ	Pass	Imidacloprid	100	400	<LOQ	Pass
Acequinocyl	900	2000	<LOQ	Pass	Kresoxim Methyl	100	400	<LOQ	Pass
Acetamiprid	200	200	<LOQ	Pass	Malathion	200	200	<LOQ	Pass
Aldicarb	300	400	<LOQ	Pass	Metalaxyl	100	200	<LOQ	Pass
Azoxystrobin	200	200	<LOQ	Pass	Methiocarb	200	200	<LOQ	Pass
Bifenazate	200	200	<LOQ	Pass	Methomyl	200	400	<LOQ	Pass
Bifenthrin	200	200	<LOQ	Pass	Methyl Parathion	200	200	<LOQ	Pass
Boscalid	400	400	<LOQ	Pass	MGK-264	100	200	<LOQ	Pass
Carbaryl	200	200	<LOQ	Pass	Myclobutanil	200	200	<LOQ	Pass
Carbofuran	200	200	<LOQ	Pass	Naled	500	500	<LOQ	Pass
Chlorantraniliprole	200	200	<LOQ	Pass	Oxamyl	200	1000	<LOQ	Pass
Chlorfenapyr	500	1000	<LOQ	Pass	Pacllobutrazol	100	400	<LOQ	Pass
Chlorpyrifos	200	200	<LOQ	Pass	Permethrins	200	200	<LOQ	Pass
Clofentezine	200	200	<LOQ	Pass	Phosmet	200	200	<LOQ	Pass
Cyfluthrin	1000	1000	<LOQ	Pass	Piperonyl Butoxide	200	2000	<LOQ	Pass
Cypermethrin	1000	1000	<LOQ	Pass	Prallethrin	200	200	<LOQ	Pass
Daminozide	200	1000	<LOQ	Pass	Propiconazole	400	400	<LOQ	Pass
Diazinon	200	200	<LOQ	Pass	Propoxur	200	200	<LOQ	Pass
Dichlorvos	800	1000	<LOQ	Pass	Pyrethrins	1000	1000	<LOQ	Pass
Dimethoate	200	200	<LOQ	Pass	Pyridaben	100	200	<LOQ	Pass
Ethoprophos	100	200	<LOQ	Pass	Spinosad	100	200	<LOQ	Pass
Etofenprox	200	400	<LOQ	Pass	Spiromesifen	100	200	<LOQ	Pass
Etoxazole	100	200	<LOQ	Pass	Spirotetramat	200	200	<LOQ	Pass
Fenoxycarb	200	200	<LOQ	Pass	Spiroxamine	100	400	<LOQ	Pass
Fenpyroximate	200	400	<LOQ	Pass	Tebuconazole	200	400	<LOQ	Pass
Fipronil	100	400	<LOQ	Pass	Thiacloprid	200	200	<LOQ	Pass
Fonicamid	200	1000	<LOQ	Pass	Thiamethoxam	200	200	<LOQ	Pass
Fludioxonil	400	400	<LOQ	Pass	Trifloxystrobin	200	200	<LOQ	Pass
Hexythiazox	500	1000	<LOQ	Pass					

Method: Modified AOAC 2007.01, Triple Quad analysis; LOQ = Limit of Quantification; PPB = Parts Per Billion; ND = Not Detected; NR = Not Reported; ORELAP ID 4057

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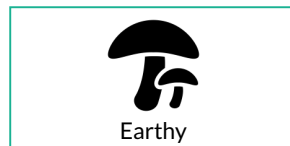
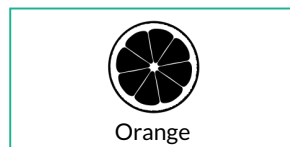
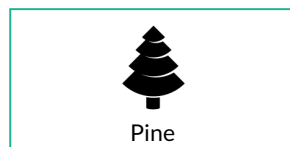
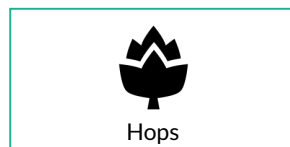
Terpenes

166 GCFID1 20171228-1
12/28/2017

Analyte	Mass %	Mass mg/g	LOQ %	
β-Myrcene	1.64	16.4	0.03	
α-Pinene	0.71	7.1	0.03	
Nerolidol	0.62	6.2	0.03	
β-Caryophyllene	0.53	5.3	0.03	
β-Pinene	0.35	3.5	0.03	
Ocimene	0.25	2.5	0.03	
(-)-α-Bisabolol	0.25	2.5	0.03	
α-Humulene	0.23	2.3	0.03	
Linalool	0.12	1.2	0.03	
Guaiol	0.11	1.1	0.03	
p-Isopropyltoluene	0.04	0.4	0.03	
α-Terpinene	<LOQ	<LOQ	0.03	
Camphene	<LOQ	<LOQ	0.03	
δ-3-Carene	<LOQ	<LOQ	0.03	
δ-Limonene	<LOQ	<LOQ	0.03	
γ-Terpinene	<LOQ	<LOQ	0.03	
Geraniol	<LOQ	<LOQ	0.03	
Isopulegol	<LOQ	<LOQ	0.03	
Terpinolene	<LOQ	<LOQ	0.03	

Primary Aromas

4.85%
Total Terpenes



Method: GC-FID; based on dry weight; LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
008 HPLC4 20171227-4	PMB12191707CN	Cannabinoids	Blank

QC Notes

None

Compounds	Blank Max % (LOQ)	Blank Result %	Notes
THCa	0.1	<LOQ	-
Δ9-THC	0.1	<LOQ	-
CBDa	0.1	<LOQ	-
CBD	0.1	<LOQ	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
008 HPLC4 20171227-4	PLCS12191707CN	Cannabinoids	Lab Control Sample

QC Notes

None

Compounds	LCS Result (%)	LCS Spike	LCS % Rec	% Limits	Notes
THCa	14.25	16.98	83.92	70 - 130	-
Δ9-THC	10.92	10.92	100	70 - 130	-
CBDa	13.21	11.13	118.69	70 - 130	-
CBD	9.96	10.74	92.74	57 - 143	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
008 HPLC4 20171227-4	PMS12191707CN	Cannabinoids	Spike

QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
THCa	0.1	0.51	<20	86	70 - 130	-
Δ9-THC	0.1	0.59	<20	117	70 - 130	-
CBDa	0.1	<LOQ	<LOQ	122	70 - 130	-
CBD	0.1	<LOQ	<LOQ	94	70 - 130	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
013 GCQQQ2 20171223-1	MRMB12191701 GC	Required Pesticides	Blank

QC Notes

None

Compounds	LOQ (PPB)	Blank Result PPB	Notes
Chlorfenapyr	500	<LOQ	-
Cyfluthrin	1000	<LOQ	-
Cypermethrin	1000	<LOQ	-
Fipronil	40	<LOQ	-
Fludioxonil	40	<LOQ	-
MGK-264	200	<LOQ	-
Methyl Parathion	200	<LOQ	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
027 LCQQQ3 20171222-2	MRMB12191701	Required Pesticides	Blank

QC Notes

None

Compounds	LOQ (PPB)	Blank Result PPB
Acephate	200	<LOQ
Acequinocyl	900	<LOQ
Acetamiprid	200	<LOQ
Aldicarb	300	<LOQ
Abamectin	300	<LOQ
Azoxystrobin	200	<LOQ
Bifenazate	200	<LOQ
Bifenthrin	200	<LOQ
Boscalid	400	<LOQ
Carbaryl	200	<LOQ
Carbofuran	200	<LOQ
Chlorantraniliprole	200	<LOQ
Chlorpyrifos	200	<LOQ
Clofentezine	200	<LOQ
Daminozide	200	<LOQ
Diazinon	200	<LOQ
Dichlorvos	800	<LOQ
Dimethoate	200	<LOQ
Ethoprophos	100	<LOQ
Etofenprox	200	<LOQ
Etoxazole	100	<LOQ
Fenoxycarb	200	<LOQ
Fenproximate	200	<LOQ
Flonicamid	100	<LOQ
Hexythiazox	500	<LOQ
Imazalil	300	<LOQ
Imidacloprid	100	<LOQ
Kresoxim Methyl	100	<LOQ
Malathion	200	<LOQ
Metalaxyl	100	<LOQ



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027 LCQQQ3 20171222-2	MRMB12191701	Required Pesticides	Blank

QC Notes

None

Compounds	LOQ (PPB)	Blank Result PPB
Methiocarb	200	<LOQ
Methomyl	200	<LOQ
Myclobutanil	200	<LOQ
Naled	500	<LOQ
Oxamyl	200	<LOQ
Paclobutrazol	100	<LOQ
Permethrin	200	<LOQ
Phosmet	300	<LOQ
Piperonyl Butoxide	200	<LOQ
Prallethrin	200	<LOQ
Propiconazole	400	<LOQ
Propoxur	200	<LOQ
Pyrethrins	1000	<LOQ
Pyridaben	100	<LOQ
Spinosad	100	<LOQ
Spiromesifen	100	<LOQ
Spirotetramat	200	<LOQ
Spiroxamine	100	<LOQ
Tebuconazole	200	<LOQ
Thiacloprid	200	<LOQ
Thiamethoxam	200	<LOQ
Trifloxystrobin	200	<LOQ



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
013 GCQQQ2 20171223-1	MRLCS12191701 GC	Required Pesticides	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	% Limits	Notes
Chlorfenapyr	137	69 - 132	Above Limit Range
Cyfluthrin	129	68 - 136	-
Cypermethrin	129	67 - 134	-
Fipronil	118	67 - 136	-
Fludioxonil	128	69 - 139	-
MGK-264	119	65 - 145	-
Parathion Methyl	130	66 - 131	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
027 LCQQQ3 20171222-2	MRLCS12191701	Required Pesticides	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	LCS % Limits	Notes
Acephate	91.2	56 - 149	-
Acequinocyl	81.2	30 - 142	-
Acetamiprid	94.8	56 - 149	-
Aldicarb	94.4	53 - 150	-
Abamectin	85.2	30 - 140	-
Azoxystrobin	94.4	55 - 138	-
Bifenazate	91.2	53 - 137	-
Bifenthrin	101.6	30 - 150	-
Boscalid	92.4	55 - 142	-
Carbaryl	98.4	56 - 150	-
Carbofuran	96	57 - 142	-
Chlorantraniliprole	89.2	54 - 141	-
Chlorpyrifos	96.4	34 - 150	-
Clofentezine	92.8	44 - 150	-
Daminozide	115.2	30 - 150	-
Diazinon	87.6	55 - 134	-
Dichlorvos	95.2	49 - 149	-
Dimethoate	92.8	56 - 149	-
Ethoprophos	87.6	52 - 143	-
Etofenprox	96.8	46 - 140	-
Etoxazole	84.8	50 - 134	-
Fenoxycarb	91.2	53 - 139	-
Fenproximate	82.8	45 - 127	-
Flonicamid	97.2	55 - 145	-
Hexythiazox	90.8	39 - 141	-
Imazalil	89.6	40 - 149	-
Imidacloprid	91.6	54 - 150	-
Kresoxim Methyl	92.8	57 - 139	-
Malathion	91.2	51 - 147	-
Metalaxyl	92.4	58 - 142	-



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027 LCQQQ3 20171222-2	MRLCS12191701	Required Pesticides	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	LCS % Limits	Notes
Methiocarb	95.6	50 - 150	-
Methomyl	93.2	55 - 150	-
Myclobutanil	86.4	54 - 145	-
Naled	95.6	49 - 146	-
Oxamyl	92	56 - 147	-
Paclobutrazol	84.4	56 - 139	-
Permethrin	100	30 - 138	-
Phosmet	94.4	57 - 146	-
Piperonyl Butoxide	90.4	48 - 146	-
Prallethrin	96.8	53 - 146	-
Propiconazole	82.8	49 - 129	-
Propoxur	96	56 - 150	-
Pyrethrins	91.94	30 - 150	-
Pyridaben	88.4	50 - 132	-
Spinosad	72.4	30 - 150	-
Spiromesifen	94.4	52 - 136	-
Spirotetramat	76.4	46 - 150	-
Spiroxamine	73.6	30 - 150	-
Tebuconazole	84.4	48 - 136	-
Thiacloprid	94.4	47 - 150	-
Thiamethoxam	91.2	57 - 147	-
Trifloxystrobin	94	46 - 147	-



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013 GCQQQ2 20171223-1	MRMS12191701 GC	Required Pesticides	Spike

QC Notes

None

Compounds	Matrix Spike Duplicate % RPD	RPD Max %	% RPD Result	Matrix Spike % Rec	% Limits	Notes
Chlorfenapyr	17.37	20	<20	111.15	62 - 130	
Cyfluthrin	5.11	20	<20	111.08	63 - 128	
Cypermethrin	4.400	20	<20	111.69	58 - 126	
Fipronil	6.11	20	<20	111.3	62 - 134	
Fludioxonil	15.58	20	<20	108	62 - 139	
MGK-264	5.43	20	<20	115.55	56 - 150	
Methyl Parathion	0.56	20	<20	124.02	63 - 135	



Oregon Genetics Cannabis

Sample: 1712CH0184.0989

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caleb@oregongeneticscannabis.com
(503) 891-4479
Lic. #030-1005028B660

Strain: Ogre
Batch#: ; Batch Size: 1225.92 - grams
Sample Received: 12/19/2017; Report Created: 12/30/2017; Expires: 12/30/2018
Sampling: Random; Environment: Room Temp

Ogre

Concentrates & Extracts, Live Resin, Butane
Harvest Process Lot: ; METRC Batch: 1A4010300007DCA000003236; METRC Sample: 1A4010300007DCA000003295



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
027 LCQQQ3 20171222-2	MRMS12191701	Required Pesticides	Spike

QC Notes

None

Compounds	Matrix Spike Duplicate % RPD	RPD Max %	% RPD Result	Matrix Spike % Rec	% Limits	Notes
Acephate	3.4	30	<30	95.6	52 - 150	-
Acequinocyl	2.29	30	<30	88.4	30 - 147	-
Acetamiprid	3.28	30	<30	99.2	47 - 148	-
Aldicarb	2.86	30	<30	99.2	48 - 145	-
Abamectin	3.96	30	<30	108.8	41 - 150	-
Azoxystrobin	2.02	30	<30	100	50 - 150	-
Bifenazate	4.16	30	<30	108	50 - 150	-
Bifenthrin	1.41	30	<30	112.8	46 - 150	-
Boscalid	6.98	30	<30	100.8	50 - 150	-
Carbaryl	0.79	30	<30	101.6	57 - 150	-
Carbofuran	3.61	30	<30	101.6	51 - 150	-
Chlorantraniliprole	7.57	30	<30	93.2	52 - 150	-
Chlorpyrifos	3.45	30	<30	118	30 - 150	-
Clofentezine	3.85	30	<30	102	53 - 146	-
Daminozide	5.84	30	<30	112.8	30 - 150	-
Diazinon	3.19	30	<30	102	41 - 145	-
Dichlorvos	3.7	30	<30	99.2	54 - 141	-
Dimethoate	2.87	30	<30	98.8	49 - 149	-
Ethoprophos	1.97	30	<30	102.4	47 - 146	-
Etofenprox	0	30	<30	104.8	38 - 150	-
Etoxazole	2.44	30	<30	99.6	34 - 150	-
Fenoxycarb	5.19	30	<30	110.8	54 - 150	-
Fenpyroximate	5.38	30	<30	91.6	34 - 150	-
Flonicamid	8.73	30	<30	100.4	45 - 143	-
Hexythiazox	0	30	<30	106.4	30 - 150	-
Imazalil	1.76	30	<30	91.6	30 - 147	-
Imidacloprid	3.04	30	<30	93.6	43 - 148	-
Kresoxim Methyl	1.45	30	<30	111.2	56 - 144	-
Malathion	1.96	30	<30	103.2	55 - 150	-
Metalaxyl	4.86	30	<30	101.2	50 - 150	-



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Sampling: Random; Environment: Room Temp

Ogre

Concentrates & Extracts, Live Resin, Butane
Harvest Process Lot: ; METRC Batch: 1A4010300007DCA000003236; METRC Sample: 1A4010300007DCA000003295



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
027 LCQQQ3 20171222-2	MRMS12191701	Required Pesticides	Spike

QC Notes

None

Compounds	Matrix Spike Duplicate % RPD	RPD Max %	% RPD Result	Matrix Spike % Rec	% Limits	Notes
Methiocarb	3.11	30	<30	104.4	50 - 150	-
Methomyl	3.7	30	<30	99.2	42 - 150	-
Myclobutanil	4.150	30	<30	98.4	43 - 150	-
Naled	6.43	30	<30	102.8	46 - 150	-
Oxamyl	3.76	30	<30	97.6	41 - 150	-
Paclobutrazol	3.51	30	<30	92.8	47 - 150	-
Permethrin	2.5	30	<30	94.8	37 - 150	-
Phosmet	2.1	30	<30	96.4	35 - 150	-
Piperonyl Butoxide	0.76	30	<30	106	30 - 149	-
Prallethrin	2	30	<30	99.2	46 - 150	-
Propiconazole	1.43	30	<30	83.6	40 - 150	-
Propoxur	0	30	<30	98.8	53 - 150	-
Pyrethrins	2.71	30	<30	111.64	30 - 150	-
Pyridaben	1.22	30	<30	98.8	41 - 150	-
Spinosad	4.28	30	<30	76.4	30 - 150	-
Spiromesifen	1.07	30	<30	112.8	43 - 150	-
Spirotetramat	2.34	30	<30	69.2	48 - 150	-
Spiroxamine	4.320	30	<30	75.6	30 - 143	-
Tebuconazole	3.33	30	<30	85.6	45 - 150	-
Thiacloprid	3.67	30	<30	100	50 - 147	-
Thiamethoxam	3.85	30	<30	95.2	40 - 147	-
Trifloxystrobin	0.39	30	<30	103.2	50 - 150	-



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Ogre

Concentrates & Extracts, Live Resin, Butane
Harvest Process Lot: ; METRC Batch: 1A401030007DCA000003236; METRC Sample: 1A401030007DCA000003295



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
016 GCMS2 20171222-1	RSMB12191701	Required Solvents	Blank

QC Notes

None

Compounds	Method LOQ (PPM)	Blank Result PPM	Notes
Xylenes	30	<LOQ	-
1,4-Dioxane	10	<LOQ	-
2-Butanol	10	<LOQ	-
2-Ethoxy-Ethanol	10	<LOQ	-
2-Methyl-Butane	10	<LOQ	-
2-Methyl-Pentane	10	<LOQ	-
2,2-Dimethyl-Butane	10	<LOQ	-
2,3-Dimethyl-Butane	10	<LOQ	-
3-Methyl-Pentane	10	<LOQ	-
Acetone	10	<LOQ	-
Acetonitrile	40	<LOQ	-
Benzene	0.5	<LOQ	-
Butane	10	<LOQ	-
Cumene	10	<LOQ	-
Cyclohexane	10	<LOQ	-
Dichloro-Methane	10	<LOQ	-
Ethyl-Acetate	10	<LOQ	-
Ethyl-Benzene	10	<LOQ	-
Ethyl-Ether	10	<LOQ	-
Ethylene Glycol	10	<LOQ	-
Ethylene Oxide	10	<LOQ	-
Heptane	10	<LOQ	-
Isobutane	10	<LOQ	-
Isopropyl-Acetate	10	<LOQ	-
Isopropyl Alcohol	10	<LOQ	-
Methanol	40	<LOQ	-
Neopentane	10	<LOQ	-
n-Hexane	10	<LOQ	-
Pentane	10	<LOQ	-
Propane	10	<LOQ	-



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Harvest Process Lot: ; METRC Batch: 1A4010300007DCA000003236; METRC Sample: 1A4010300007DCA000003295



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
016 GCMS2 20171222-1	RSMB12191701	Required Solvents	Blank

QC Notes

None

Compounds	Method LOQ (PPM)	Blank Result PPM	Notes
Tetrahydrofuran	10	<LOQ	-
Toluene	10	<LOQ	-



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Ogre

Concentrates & Extracts, Live Resin, Butane
Harvest Process Lot: ; METRC Batch: 1A401030007DCA000003236; METRC Sample: 1A401030007DCA000003295



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
016 GCMS2 20171222-1	RSLCS12191701	Required Solvents	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	% Limits	Notes
Xylenes	72.47	67 - 133	-
1,4-Dioxane	87.8	67 - 133	-
2-Butanol	92.6	70 - 130	-
2-Ethoxy-Ethanol	78.2	70 - 130	-
2-Methyl-Butane	81.4	52 - 148	-
2-Methyl-Pentane	91.6	54 - 146	-
2,2-Dimethyl-Butane	85	54 - 146	-
2,3-Dimethyl-Butane	91.6	53 - 147	-
3-Methyl-Pentane	87.8	55 - 145	-
Acetone	86.6	56 - 144	-
Acetonitrile	84.4	60 - 140	-
Benzene	84.2	70 - 130	-
Butane	79	42 - 150	-
Cumene	77.2	68 - 132	-
Cyclohexane	85.2	56 - 144	-
Dichloro-Methane	87.6	58 - 142	-
Ethyl-Acetate	90.6	61 - 139	-
Ethyl-Benzene	78.8	61 - 139	-
Ethyl-Ether	84.2	55 - 145	-
Ethylene Glycol	46.6	33 - 150	-
Ethylene Oxide	81.8	65 - 135	-
Heptane	89.6	51 - 149	-
Isobutane	77.8	37 - 150	-
Isopropyl-Acetate	84.8	61 - 139	-
Isopropyl Alcohol	88	70 - 130	-
Methanol	85.2	56 - 144	-
Neopentane	84.2	42 - 150	-
n-Hexane	84.8	53 - 147	-
Pentane	80.8	51 - 149	-
Propane	71.8	30 - 150	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
016 GCMS2 20171222-1	RSLCS12191701	Required Solvents	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	% Limits	Notes
Tetrahydrofuran	92.6	60 - 140	-
Toluene	83.2	62 - 138	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
016 GCMS2 20171222-1	RSMS12191701	Required Solvents	Spike

QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
Xylenes	30	<LOQ	<LOQ	76	30 - 142	-
1,4-Dioxane	10	<LOQ	<LOQ	92	53 - 147	-
2-Butanol	10	<LOQ	<LOQ	92	70 - 130	-
2-Ethoxy-Ethanol	10	<LOQ	<LOQ	88	53 - 147	-
2-Methyl-Butane	10	<LOQ	<LOQ	90	34 - 150	-
2-Methyl-Pentane	10	<LOQ	<LOQ	100	45 - 150	-
2,2-Dimethyl-Butane	10	<LOQ	<LOQ	93	44 - 150	-
2,3-Dimethyl-Butane	10	<LOQ	<LOQ	100	45 - 150	-
3-Methyl-Pentane	10	<LOQ	<LOQ	96	45 - 150	-
Acetone	10	<LOQ	<LOQ	96	30 - 150	-
Acetonitrile	40	<LOQ	<LOQ	93	50 - 150	-
Benzene	2	<LOQ	<LOQ	94	56 - 144	-
Butane	10	<LOQ	<LOQ	94	30 - 150	-
Cumene	10	<LOQ	<LOQ	76	30 - 150	-
Cyclohexane	10	<LOQ	<LOQ	90	47 - 150	-
Dichloro-Methane	10	<LOQ	<LOQ	99	49 - 150	-
Ethyl-Acetate	10	<LOQ	<LOQ	100	30 - 150	-
Ethyl-Benzene	10	<LOQ	<LOQ	83	48 - 150	-
Ethyl-Ether	10	<LOQ	<LOQ	94	45 - 150	-
Ethylene Glycol	620	<LOQ	<LOQ	105	30 - 150	-
Ethylene Oxide	10	<LOQ	<LOQ	91	53 - 147	-
Heptane	10	<LOQ	<LOQ	95	44 - 150	-
Isobutane	10	<LOQ	<LOQ	87	30 - 150	-
Isopropyl-Acetate	10	<LOQ	<LOQ	93	49 - 150	-
Isopropyl Alcohol	10	<LOQ	<LOQ	99	70 - 130	-
Methanol	40	<LOQ	<LOQ	95	30 - 150	-
Neopentane	10	<LOQ	<LOQ	95	31 - 150	-
n-Hexane	10	<LOQ	<LOQ	92	43 - 150	-
Pentane	10	<LOQ	<LOQ	89	40 - 150	-
Propane	10	<LOQ	<LOQ	73	30 - 150	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
016 GCMS2 20171222-1	RSMS12191701	Required Solvents	Spike

QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
Tetrahydrofuran	10	<LOQ	<LOQ	92	49 - 150	-
Toluene	10	<LOQ	<LOQ	90	49 - 150	-

