

Sample Name: **Smaug Primary**  
 Tested for: **OM Extracts**  
**Compliance Extract**

Laboratory ID: 19F0030-01

Matrix: Extracts and Concentrates

Sample Metrc ID: 1A4010300014ADD000014945

Lot # NA

License: 10051970949

Batch RFID: 1A4010300014ADD000014942

Date Sampled: 06/06/19 09:12

Batch Size: 1399 (g)

Date Accepted: 06/06/19



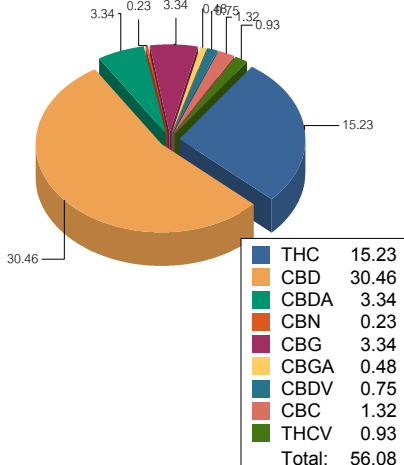
## Potency Analysis

Date Extracted: 06/13/19

Analysis Method/SOP: Potency

Date Analyzed: 06/14/19

\* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	LOQ (%)	Cannabinoids Profile
<b>Total THC</b> ((THCA*0.877)+d9)	15.23	152.3	0.08	
<b>Total CBD</b> ((CBDA*0.877)+CBD)	33.39	333.9	0.08	
d9-THC (d9-Tetrahydrocannabinol)*	15.23	152.3	0.08	
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.10	
THCA (d9-Tetrahydrocannabinolic Acid)*	< LOQ	< LOQ	0.15	
CBD (Cannabidiol)*	30.46	304.6	0.08	
CBDA (Cannabidiolic Acid)*	3.34	33.4	0.15	
CBN (Cannabinol)*	0.23	2.3	0.08	
CBG (Cannabigerol)*	3.34	33.4	0.10	
CBGA (Cannabigerolic Acid)	0.48	4.8	0.10	
CBDV (Cannabidivarin)*	0.75	7.5	0.10	
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ	0.10	
CBC (Cannabichromene)*	1.32	13.2	0.10	
THCV (Tetrahydrocannabivarin)	0.93	9.3	0.10	
<b>Total Cannabinoids</b>	<b>56.08</b>	<b>560.8</b>	<b>0.08</b>	

<LOQ - Results below the Limit of Quantitation - Compound not detected

  
 Breeanna Hamilton For Brian Weigel  
 Lab Director

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Sample Name: **Smaug Duplicate**  
 Tested for: **OM Extracts**  
**Compliance Extract**

Laboratory ID: 19F0030-02

Matrix: Extracts and Concentrates

Sample Metrc ID: 1A4010300014ADD000014945

Lot # NA

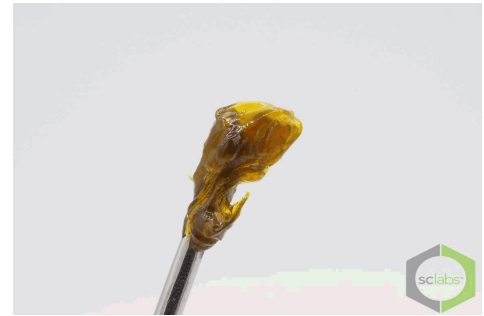
License: 10051970949

Batch RFID: 1A4010300014ADD000014942

Date Sampled: 06/06/19 09:15

Batch Size: 1399 (g)

Date Accepted: 06/06/19



## Potency Analysis

Date Extracted: 06/13/19

Analysis Method/SOP: Potency

Date Analyzed: 06/14/19

\* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	LOQ (%)	Cannabinoids Profile																				
<b>Total THC</b> ((THCA*0.877)+d9)	15.30	153	0.08	<table border="1"> <tr><td>THC</td><td>15.30</td></tr> <tr><td>CBD</td><td>30.39</td></tr> <tr><td>CBDA</td><td>3.30</td></tr> <tr><td>CBN</td><td>0.26</td></tr> <tr><td>CBG</td><td>3.26</td></tr> <tr><td>CBGA</td><td>0.47</td></tr> <tr><td>CBDV</td><td>0.88</td></tr> <tr><td>CBC</td><td>1.37</td></tr> <tr><td>THCV</td><td>0.97</td></tr> <tr><td>Total</td><td>56.19</td></tr> </table>	THC	15.30	CBD	30.39	CBDA	3.30	CBN	0.26	CBG	3.26	CBGA	0.47	CBDV	0.88	CBC	1.37	THCV	0.97	Total	56.19
THC	15.30																							
CBD	30.39																							
CBDA	3.30																							
CBN	0.26																							
CBG	3.26																							
CBGA	0.47																							
CBDV	0.88																							
CBC	1.37																							
THCV	0.97																							
Total	56.19																							
<b>Total CBD</b> ((CBDA*0.877)+CBD)	33.28	332.8	0.08																					
d9-THC (d9-Tetrahydrocannabinol)*	15.30	153	0.08																					
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.10																					
THCA (d9-Tetrahydrocannabinolic Acid)*	< LOQ	< LOQ	0.15																					
CBD (Cannabidiol)*	30.39	303.9	0.08																					
CBDA (Cannabidiolic Acid)*	3.30	33	0.15																					
CBN (Cannabinol)*	0.26	2.6	0.08																					
CBG (Cannabigerol)*	3.26	32.6	0.10																					
CBGA (Cannabigerolic Acid)	0.47	4.7	0.10																					
CBDV (Cannabidivarin)*	0.88	8.8	0.10																					
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ	0.10																					
CBC (Cannabichromene)*	1.37	13.7	0.10																					
THCV (Tetrahydrocannabivarin)	0.97	9.7	0.10																					
<b>Total Cannabinoids</b>	56.19	561.9	0.08																					

<LOQ - Results below the Limit of Quantitation - Compound not detected

Sample Name: **Smaug**

Sample Metrc ID: **1A4010300014ADD000014945**

	Primary Result %	Duplicate Result %	Average %	% RPD	Pass/Fail (<15%RPD)
<b>Total THC</b> ((THCA*0.877)+d9)	15.23	15.30	15.27	0.459	PASS
<b>Total CBD</b> ((CBDA*0.877)+CBD)	33.39	33.28	33.34	NA	NA

  
 Breeanna Hamilton For Brian Weigel  
 Lab Director

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Sample Name: <b>Smaug Primary</b>	License: <b>10051970949</b>
Tested for: <b>OM Extracts</b>	Date Sampled: <b>06/06/19 09:12</b>
<b>Compliance Extract</b>	Date Accepted: <b>06/06/19</b>
Laboratory ID: <b>19F0030-01</b>	Sample Metrc ID: <b>1A4010300014ADD000014945</b>
Matrix: <b>Extracts and Concentrates</b>	Batch RFID: <b>1A4010300014ADD000014942</b>
Lot # <b>NA</b>	Batch Size: <b>1399 (g)</b>

### Terpene Analysis

Date Extracted: 06/13/19

Analysis Method/SOP: Terpenes

Date Analyzed: 06/14/19

Analyte	Result (%)	LOQ	Analyte	Result	LOQ
alpha Pinene	0.762	0.091	Myrcene	1.497	0.091
alpha Phellandrene	< LOQ	0.091	3-Carene	< LOQ	0.091
alpha Terpinene	< LOQ	0.091	Limonene	0.384	0.091
Terpinolene	0.106	0.091	Linalool	0.125	0.091
Fenchol	< LOQ	0.091	Borneol	< LOQ	0.091
Terpineol	< LOQ	0.091	Geraniol	< LOQ	0.091
alpha Humulene	0.401	0.091	beta Caryophyllene	1.074	0.091
Caryophyllene Oxide	< LOQ	0.091	alpha Bisabolol	0.451	0.091
Camphene	< LOQ	0.091	beta Pinene	< LOQ	0.091
Ocimene	0.129	0.091	Sabinene	< LOQ	0.091
Camphor	< LOQ	0.091	Isoborneol	< LOQ	0.091
Menthol	< LOQ	0.091	alpha Cedrene	< LOQ	0.091
Nerolidol	< LOQ	0.091	R-(+)-Pulegone	< LOQ	0.091
Eucalyptol	< LOQ	0.091	p-Cymene	< LOQ	0.091
(-)-Isopulegol	< LOQ	0.091	Geranyl Acetate	< LOQ	0.091
Guaiol	0.383	0.091	Valencene	< LOQ	0.091
Phytol	0.181	0.091	Citronellol	< LOQ	0.091
gamma-Terpinene	< LOQ	0.091			
			<b>Total Terpenes</b>	<b>5.493 %</b>	

<LOQ - Results below the Limit of Quantitation - Compound not detected

Terpene Analysis is not ORELAP Accredited.

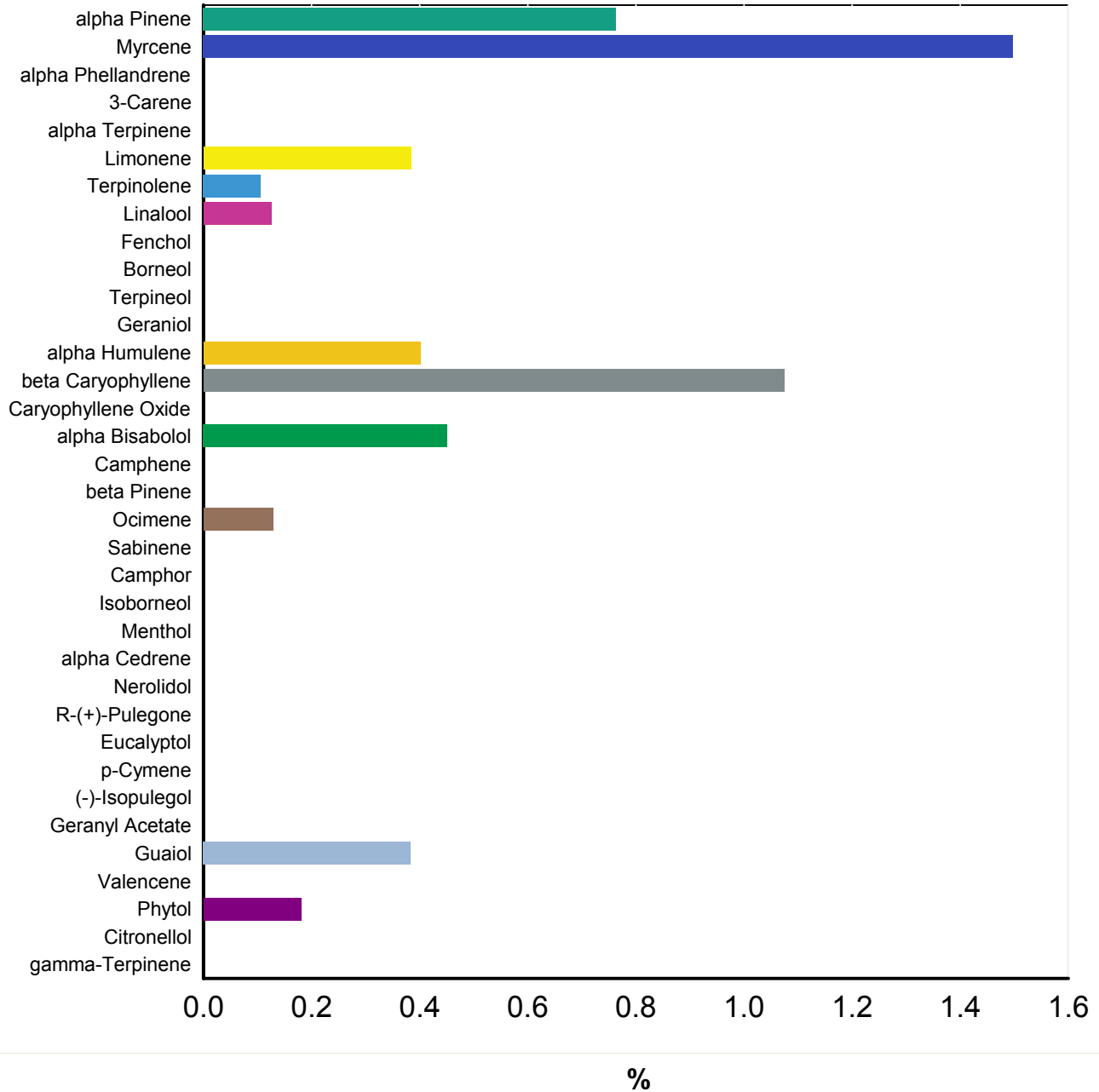


Breeanna Hamilton For Brian Weigel  
Lab Director

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Sample Name: <b>Smaug Primary</b>	License: <b>10051970949</b>
Tested for: <b>OM Extracts</b>	Date Sampled: <b>06/06/19 09:12</b>
<b>Compliance Extract</b>	Date Accepted: <b>06/06/19 20:35</b>
Laboratory ID: <b>19F0030-01</b> Matrix: <b>Extracts and</b>	Client/Metric ID: <b>1A4010300014ADD000014945</b>

**Terpene Profile**



*Breeanna Hamilton*  
 Breeanna Hamilton For Brian Weigel  
 Lab Director

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**Sample Name:** Smaug Primary **License:** 10051970949  
**Tested for:** OM Extracts **Date Sampled:** 06/06/19 09:12  
 Compliance Extract **Date Accepted:** 06/06/19

**Laboratory ID:** 19F0030-01 **Sample Metric ID:** 1A4010300014ADD000014945  
**Matrix:** Extracts and Concentrates **Batch RFID:** 1A4010300014ADD000014942  
**Lot # NA** **Batch Size:** 1399 (g)

### Pesticide Analysis in ppm

**Date Extracted:** 06/14/19 **Analysis Method/SOP:** Pesticides  
**Date Analyzed:** 06/15/19 **Results above the action levels are highlighted in red #.**

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.241	Acephate	< LOQ	0.4	0.193
Acequinocyl	< LOQ	2	0.963	Acetamiprid	< LOQ	0.2	0.096
Aldicarb	< LOQ	0.4	0.193	Azoxystrobin	< LOQ	0.2	0.096
Bifenazate	< LOQ	0.2	0.096	Bifenthrin	< LOQ	0.2	0.096
Boscalid	< LOQ	0.4	0.193	Carbaryl	< LOQ	0.2	0.096
Carbofuran	< LOQ	0.2	0.096	Chlorantraniliprole	< LOQ	0.2	0.096
Chlorfenapyr	< LOQ	1	0.481	Chlorpyrifos	< LOQ	0.2	0.096
Clofentezine	< LOQ	0.2	0.096	Cyfluthrin	< LOQ	1	0.481
Cypermethrin	< LOQ	1	0.481	Daminozide	< LOQ	1	0.481
DDVP (Dichlorvos)	< LOQ	1	0.481	Diazinon	< LOQ	0.2	0.096
Dimethoate	< LOQ	0.2	0.096	Ethoprophos	< LOQ	0.2	0.096
Etofenprox	< LOQ	0.4	0.193	Etoxazole	< LOQ	0.2	0.096
Fenoxycarb	< LOQ	0.2	0.096	Fenpyroximate	< LOQ	0.4	0.193
Fipronil	< LOQ	0.4	0.193	Fonicamid	< LOQ	1	0.481
Fludioxonil	< LOQ	0.4	0.193	Hexythiazox	< LOQ	1	0.481
Imazalil	< LOQ	0.2	0.096	Imidacloprid	< LOQ	0.4	0.193
Kresoxim-methyl	< LOQ	0.4	0.193	Malathion	< LOQ	0.2	0.096
Metalaxyl	< LOQ	0.2	0.096	Methiocarb	< LOQ	0.2	0.096
Methomyl	< LOQ	0.4	0.193	Methyl parathion	< LOQ	0.2	0.096
MGK-264	< LOQ	0.2	0.096	Myclobutanil	< LOQ	0.2	0.096
Naled	< LOQ	0.5	0.241	Oxamyl	< LOQ	1	0.481
Paclobutrazol	< LOQ	0.4	0.193	Permethrins (total)	< LOQ	0.2	0.096
Phosmet	< LOQ	0.2	0.096	Piperonyl butoxide	< LOQ	2	0.481
Prallethrin	< LOQ	0.2	0.096	Propiconazole	< LOQ	0.4	0.193
Propoxur	< LOQ	0.2	0.096	Pyrethrins (total)	< LOQ	1	0.481
Pyridaben	< LOQ	0.2	0.096	Spinosad	< LOQ	0.2	0.096
Spiromesifen	< LOQ	0.2	0.096	Spirotetramat	< LOQ	0.2	0.096
Spiroxamine	< LOQ	0.4	0.193	Tebuconazole	< LOQ	0.4	0.193
Thiacloprid	< LOQ	0.2	0.096	Thiamethoxam	< LOQ	0.2	0.096
Trifloxystrobin	< LOQ	0.2	0.096				

<LOQ - Results below the Limit of Quantitation - Compound not detected

  
 Breeanna Hamilton For Brian Weigel  
 Lab Director

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Sample Name: **Smaug Duplicate** License: **10051970949**  
 Tested for: **OM Extracts** Date Sampled: **06/06/19 09:15**  
**Compliance Extract** Date Accepted: **06/06/19**

Laboratory ID: **19F0030-02** Sample Metric ID: **1A4010300014ADD000014945**  
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000014942**  
 Lot # **NA** Batch Size: **1399 (g)**

## Pesticide Analysis in ppm

Date Extracted: 06/14/19 Analysis Method/SOP: Pesticides  
 Date Analyzed: 06/15/19 Results above the action levels are highlighted in red #.

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.240	Acephate	< LOQ	0.4	0.192
Acequinocyl	< LOQ	2	0.960	Acetamiprid	< LOQ	0.2	0.096
Aldicarb	< LOQ	0.4	0.192	Azoxystrobin	< LOQ	0.2	0.096
Bifenazate	< LOQ	0.2	0.096	Bifenthrin	< LOQ	0.2	0.096
Boscalid	< LOQ	0.4	0.192	Carbaryl	< LOQ	0.2	0.096
Carbofuran	< LOQ	0.2	0.096	Chlorantraniliprole	< LOQ	0.2	0.096
Chlorfenapyr	< LOQ	1	0.480	Chlorpyrifos	< LOQ	0.2	0.096
Clofentezine	< LOQ	0.2	0.096	Cyfluthrin	< LOQ	1	0.480
Cypermethrin	< LOQ	1	0.480	Daminozide	< LOQ	1	0.480
DDVP (Dichlorvos)	< LOQ	1	0.480	Diazinon	< LOQ	0.2	0.096
Dimethoate	< LOQ	0.2	0.096	Ethoprophos	< LOQ	0.2	0.096
Etofenprox	< LOQ	0.4	0.192	Etoxazole	< LOQ	0.2	0.096
Fenoxycarb	< LOQ	0.2	0.096	Fenpyroximate	< LOQ	0.4	0.192
Fipronil	< LOQ	0.4	0.192	Fonicamid	< LOQ	1	0.480
Fludioxonil	< LOQ	0.4	0.192	Hexythiazox	< LOQ	1	0.480
Imazalil	< LOQ	0.2	0.096	Imidacloprid	< LOQ	0.4	0.192
Kresoxim-methyl	< LOQ	0.4	0.192	Malathion	< LOQ	0.2	0.096
Metalaxyl	< LOQ	0.2	0.096	Methiocarb	< LOQ	0.2	0.096
Methomyl	< LOQ	0.4	0.192	Methyl parathion	< LOQ	0.2	0.096
MGK-264	< LOQ	0.2	0.096	Myclobutanil	< LOQ	0.2	0.096
Naled	< LOQ	0.5	0.240	Oxamyl	< LOQ	1	0.480
Paclobutrazol	< LOQ	0.4	0.192	Permethrins (total)	< LOQ	0.2	0.096
Phosmet	< LOQ	0.2	0.096	Piperonyl butoxide	< LOQ	2	0.480
Prallethrin	< LOQ	0.2	0.096	Propiconazole	< LOQ	0.4	0.192
Propoxur	< LOQ	0.2	0.096	Pyrethrins (total)	< LOQ	1	0.480
Pyridaben	< LOQ	0.2	0.096	Spinosad	< LOQ	0.2	0.096
Spiromesifen	< LOQ	0.2	0.096	Spirotetramat	< LOQ	0.2	0.096
Spiroxamine	< LOQ	0.4	0.192	Tebuconazole	< LOQ	0.4	0.192
Thiacloprid	< LOQ	0.2	0.096	Thiamethoxam	< LOQ	0.2	0.096
Trifloxystrobin	< LOQ	0.2	0.096				

<LOQ - Results below the Limit of Quantitation - Compound not detected

  
 Breeanna Hamilton For Brian Weigel  
 Lab Director

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Sample Name: <b>Smaug Primary</b>	License: <b>10051970949</b>
Tested for: <b>OM Extracts</b>	Date Sampled: <b>06/06/19 09:12</b>
<b>Compliance Extract</b>	Date Accepted: <b>06/06/19</b>
Laboratory ID: <b>19F0030-01</b>	Sample Metric ID: <b>1A4010300014ADD000014945</b>
Matrix: <b>Extracts and Concentrates</b>	Batch RFID: <b>1A4010300014ADD000014942</b>
Lot # <b>NA</b>	Batch Size: <b>1399 (g)</b>

**Residual Solvents**

Solvent	Results in ug/g	Action Level	LOQ	Date Extracted: 06/13/19
1,4-Dioxane	< LOQ	380	193	Date Analyzed: 06/14/19
2-Butanol	< LOQ	5000	2540	Analysis Method/SOP: RST
2-Ethoxyethanol	< LOQ	160	81.4	
2-Propanol (IPA)	< LOQ	5000	2540	
Acetone	< LOQ	5000	2540	
Acetonitrile	< LOQ	400	209	
Benzene	< LOQ	2	1.02	
Butanes	< LOQ	5000	2540	
Cyclohexane	< LOQ	3880	1970	
Dichloromethane (methylene chloride)	< LOQ	600	305	
Ethyl acetate	< LOQ	5000	2540	
Ethyl ether	< LOQ	5000	2540	
Ethylbenzene	< LOQ	2170	1100	
Ethylene glycol	< LOQ	620	316	
Ethylene oxide	< LOQ	50	25.4	
Heptane	< LOQ	5000	2540	
Hexanes	< LOQ	290	148	
Isopropyl acetate	< LOQ	5000	2540	
Isopropylbenzene (cumene)	< LOQ	70	35.6	
Methanol	< LOQ	3000	1530	
Pentanes	< LOQ	5000	2540	
Propane	< LOQ	5000	2540	
Tetrahydrofuran	< LOQ	720	366	
Toluene	< LOQ	890	453	
Xylenes	< LOQ	2170	1100	

<LOQ - Results below the Limit of Quantitation - Compound not detected  
 Results above the Action Level fail state testing requirements and will be highlighted **Red #**.

  
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 Lab Director

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Sample Name: <b>Smaug Duplicate</b>	License: <b>10051970949</b>
Tested for: <b>OM Extracts</b>	Date Sampled: <b>06/06/19 09:15</b>
<b>Compliance Extract</b>	Date Accepted: <b>06/06/19</b>
Laboratory ID: <b>19F0030-02</b>	Sample Metric ID: <b>1A4010300014ADD000014945</b>
Matrix: <b>Extracts and Concentrates</b>	Batch RFID: <b>1A4010300014ADD000014942</b>
Lot # <b>NA</b>	Batch Size: <b>1399 (g)</b>

### Residual Solvents

Solvent	Results in ug/g	Action Level	LOQ	Date Extracted: 06/13/19
1,4-Dioxane	< LOQ	380	170	Date Analyzed: 06/14/19
2-Butanol	< LOQ	5000	2230	Analysis Method/SOP: RST
2-Ethoxyethanol	< LOQ	160	71.4	
2-Propanol (IPA)	< LOQ	5000	2230	
Acetone	< LOQ	5000	2230	
Acetonitrile	< LOQ	400	183	
Benzene	< LOQ	2	0.893	
Butanes	< LOQ	5000	2230	
Cyclohexane	< LOQ	3880	1730	
Dichloromethane (methylene chloride)	< LOQ	600	268	
Ethyl acetate	< LOQ	5000	2230	
Ethyl ether	< LOQ	5000	2230	
Ethylbenzene	< LOQ	2170	969	
Ethylene glycol	< LOQ	620	277	
Ethylene oxide	< LOQ	50	22.3	
Heptane	< LOQ	5000	2230	
Hexanes	< LOQ	290	129	
Isopropyl acetate	< LOQ	5000	2230	
Isopropylbenzene (cumene)	< LOQ	70	31.2	
Methanol	< LOQ	3000	1340	
Pentanes	< LOQ	5000	2230	
Propane	< LOQ	5000	2230	
Tetrahydrofuran	< LOQ	720	321	
Toluene	< LOQ	890	397	
Xylenes	< LOQ	2170	969	

<LOQ - Results below the Limit of Quantitation - Compound not detected  
 Results above the Action Level fail state testing requirements and will be highlighted **Red #**.

  
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 Lab Director

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