

Sample Name: **Quantum Kush FECO Primary**
 Tested for: **OM Extracts**
Compliance Extract

Laboratory ID: 19B0081-07

Matrix: Extracts and Concentrates

Sample Metrc ID: 1A4010300014ADD000011482

Lot # NA

Date Sampled: 02/20/19 12:06

Batch RFID: 1A4010300014ADD000011479

Date Accepted: 02/21/19

Batch Size: 1399 (g)



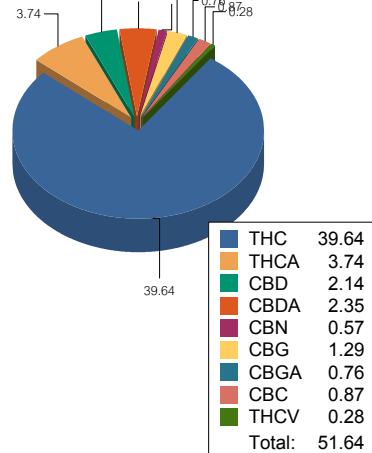
Potency Analysis

Date Extracted: 02/25/19

Analysis Method/SOP: Potency

Date Analyzed: 02/26/19

* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	LOQ (%)	Cannabinoids Profile
Total THC ((THCA*0.877)+d9)	42.92	429.2	0.15	
Total CBD ((CBDA*0.877)+CBD)	4.20	42	0.15	
d9-THC (d9-Tetrahydrocannabinol)*	39.64	396.4	0.15	
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.20	
THCA (d9-Tetrahydrocannabinolic Acid)*	3.74	37.4	0.30	
CBD (Cannabidiol)*	2.14	21.4	0.15	
CBDA (Cannabidiolic Acid)*	2.35	23.5	0.30	
CBN (Cannabinol)*	0.57	5.7	0.15	
CBG (Cannabigerol)*	1.29	12.9	0.20	
CBGA (Cannabigerolic Acid)	0.76	7.6	0.20	
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.20	
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ	0.20	
CBC (Cannabichromene)*	0.87	8.7	0.20	
THCV (Tetrahydrocannabivarin)	0.28	2.8	0.20	
Total Cannabinoids	51.64	516.4	0.15	

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



Brian Weigel
Lab Director

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Sample Name: **Quantum Kush FECO Duplicate**

Tested for: **OM Extracts
Compliance Extract**

Laboratory ID: 19B0081-08

Matrix: Extracts and Concentrates

Sample Metrc ID: 1A4010300014ADD000011482

Lot # NA

Date Sampled: 02/20/19 12:07

Batch RFID: 1A4010300014ADD000011479

Date Accepted: 02/21/19

Batch Size: 1399 (g)



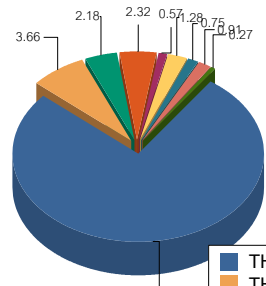
Potency Analysis

Date Extracted: 02/25/19

Analysis Method/SOP: Potency

Date Analyzed: 02/26/19

* - ORELAP certified analyte

Cannabinoids	% weight	mg/g	LOQ (%)	Cannabinoids Profile																				
Total THC ((THCA*0.877)+d9)	42.73	427.3	0.14	 <table border="1"> <tr><td>THC</td><td>39.52</td></tr> <tr><td>THCA</td><td>3.66</td></tr> <tr><td>CBD</td><td>2.18</td></tr> <tr><td>CBDA</td><td>2.32</td></tr> <tr><td>CBN</td><td>0.57</td></tr> <tr><td>CBG</td><td>1.28</td></tr> <tr><td>CBGA</td><td>0.75</td></tr> <tr><td>CBC</td><td>0.91</td></tr> <tr><td>THCV</td><td>0.27</td></tr> <tr><td>Total</td><td>51.47</td></tr> </table>	THC	39.52	THCA	3.66	CBD	2.18	CBDA	2.32	CBN	0.57	CBG	1.28	CBGA	0.75	CBC	0.91	THCV	0.27	Total	51.47
THC	39.52																							
THCA	3.66																							
CBD	2.18																							
CBDA	2.32																							
CBN	0.57																							
CBG	1.28																							
CBGA	0.75																							
CBC	0.91																							
THCV	0.27																							
Total	51.47																							
Total CBD ((CBDA*0.877)+CBD)	4.22	42.2	0.14																					
d9-THC (d9-Tetrahydrocannabinol)*	39.52	395.2	0.14																					
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.19																					
THCA (d9-Tetrahydrocannabinolic Acid)*	3.66	36.6	0.29																					
CBD (Cannabidiol)*	2.18	21.8	0.14																					
CBDA (Cannabidiolic Acid)*	2.32	23.2	0.29																					
CBN (Cannabinol)*	0.57	5.7	0.14																					
CBG (Cannabigerol)*	1.28	12.8	0.19																					
CBGA (Cannabigerolic Acid)	0.75	7.5	0.19																					
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.19																					
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ	0.19																					
CBC (Cannabichromene)*	0.91	9.1	0.19																					
THCV (Tetrahydrocannabivarin)	0.27	2.7	0.19																					
Total Cannabinoids	51.47	514.7	0.14																					

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

Sample Name: **Quantum Kush FECO**

Sample Metrc ID: 1A4010300014ADD000011482

	Primary Result %	Duplicate Result %	Average %	% RPD	Pass/Fail (<20%RPD)
Total THC ((THCA*0.877)+d9)	42.92	42.73	42.83	0.444	PASS



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Lab Director

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Sample Name: Quantum Kush FECO Primary	Date Sampled: 02/20/19 12:06
Tested for: OM Extracts	Date Accepted: 02/21/19
Compliance Extract	
Laboratory ID: 19B0081-07	Sample Metrc ID: 1A4010300014ADD000011482
Matrix: Extracts and Concentrates	Batch RFID: 1A4010300014ADD000011479
Lot # NA	Batch Size: 1399 (g)

Terpene Analysis

Date Extracted: 02/25/19	Analysis Method/SOP: Terpenes				
Date Analyzed: 02/26/19					
Analyte	Result (%)	LOQ	Analyte	Result	LOQ
alpha Pinene	0.772	0.099	Myrcene	1.182	0.099
alpha Phellandrene	< LOQ	0.099	3-Carene	< LOQ	0.099
alpha Terpinene	< LOQ	0.099	Limonene	0.882	0.099
Terpinolene	0.099	0.099	Linalool	< LOQ	0.099
Fenchol	0.268	0.099	Borneol	< LOQ	0.099
Terpineol	0.252	0.099	Geraniol	< LOQ	0.099
alpha Humulene	1.321	0.099	beta Caryophyllene	3.753	0.099
Caryophyllene Oxide	0.167	0.099	alpha Bisabolol	< LOQ	0.099
Camphene	< LOQ	0.099	beta Pinene	0.199	0.099
Ocimene	< LOQ	0.099	Sabinene	< LOQ	0.099
Camphor	< LOQ	0.099	Isoborneol	< LOQ	0.099
Menthol	< LOQ	0.099	alpha Cedrene	< LOQ	0.099
Nerolidol	0.370	0.099	R-(+)-Pulegone	< LOQ	0.099
Eucalyptol	< LOQ	0.099	p-Cymene	< LOQ	0.099
(-)-Isopulegol	< LOQ	0.099	Geranyl Acetate	0.130	0.099
Guaiol	0.624	0.099	Valencene	< LOQ	0.099
Phytol	0.216	0.099	Citronellol	< LOQ	0.099
gamma-Terpinene	< LOQ	0.099			
			Total Terpenes	10.24 %	

<LOQ - Results below the Limit of Quantitation - Compound not detected
Terpene Analysis is not ORELAP Accredited.

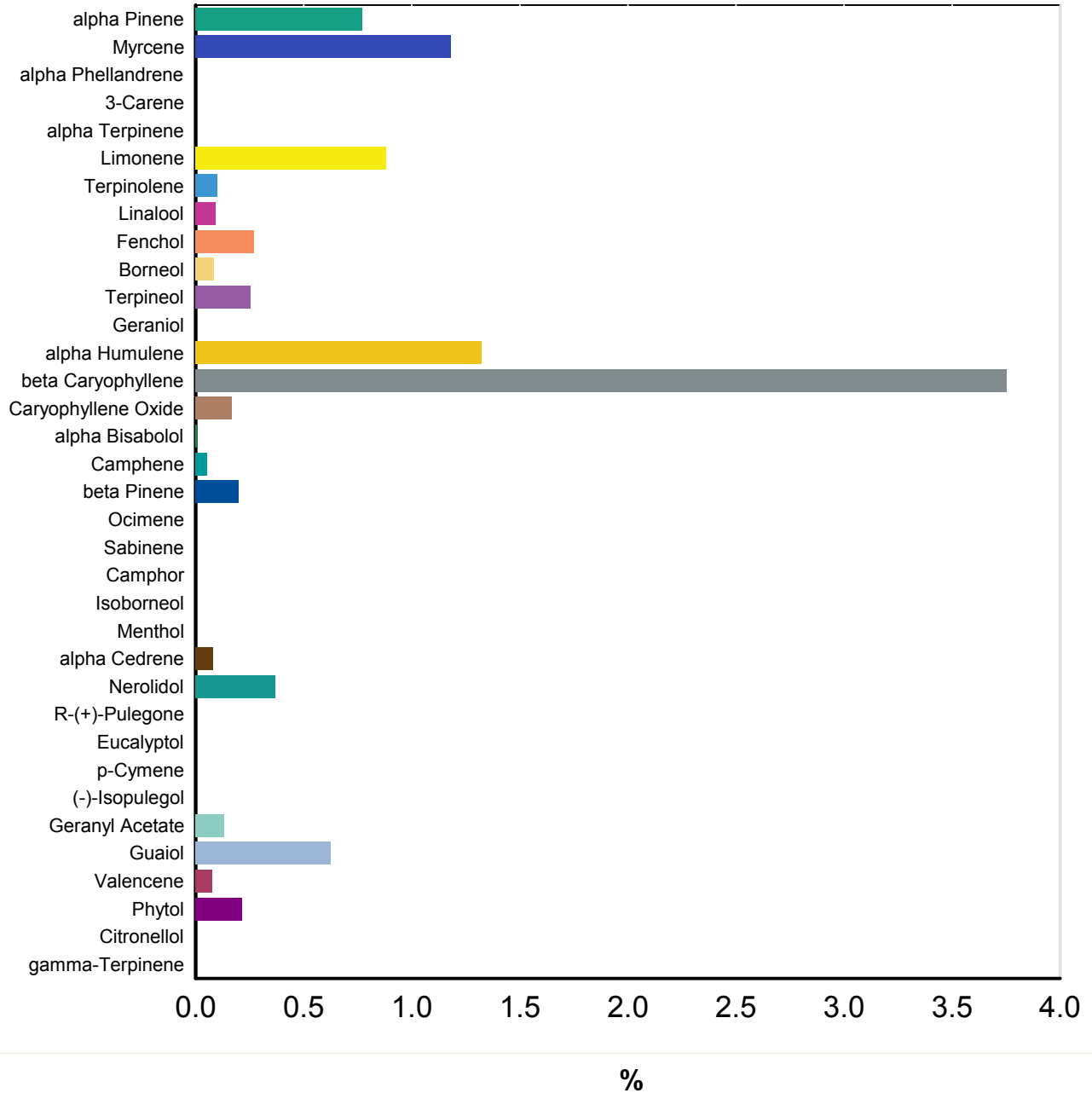


Brian Weigel
Lab Director

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Sample Name: Quantum Kush FECO	Date Sampled: 02/20/19 12:06
Tested for: OM Extracts	Date Accepted: 02/21/19 18:11
Compliance Extract	
Laboratory ID: 19B0081-07	Matrix: Extracts and
Client/Metric ID: 1A4010300014ADD000011482	

Terpene Profile




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Lab Director

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Sample Name: **Quantum Kush FECO Primary** Date Sampled: **02/20/19 12:06**
 Tested for: **OM Extracts** Date Accepted: **02/21/19**
Compliance Extract

Laboratory ID: **19B0081-07** Sample Metrc ID: **1A4010300014ADD000011482**
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000011479**
 Lot # **NA** Batch Size: **1399 (g)**

Pesticide Analysis in ppm

Date Extracted: 02/25/19 Analysis Method/SOP: Pesticides
 Date Analyzed: 02/26/19 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	0.966	Acetamiprid	< LOQ	0.2	0.097
Aldicarb	< LOQ	0.4	0.193	Azoxystrobin	< LOQ	0.2	0.097
Bifenazate	< LOQ	0.2	0.097	Bifenthrin	< LOQ	0.2	0.097
Boscalid	< LOQ	0.4	0.193	Carbaryl	< LOQ	0.2	0.097
Carbofuran	< LOQ	0.2	0.097	Chlorantraniliprole	< LOQ	0.2	0.097
Chlorfenapyr	< LOQ	1	0.483	Chlorpyrifos	< LOQ	0.2	0.097
Clofentezine	< LOQ	0.2	0.097	Cyfluthrin	< LOQ	1	0.483
Cypermethrin	< LOQ	1	0.483	Daminozide	< LOQ	1	0.483
DDVP (Dichlorvos)	< LOQ	1	0.483	Diazinon	< LOQ	0.2	0.097
Dimethoate	< LOQ	0.2	0.097	Ethoprophos	< LOQ	0.2	0.097
Etofenprox	< LOQ	0.4	0.193	Etoxazole	< LOQ	0.2	0.097
Fenoxycarb	< LOQ	0.2	0.097	Fenpyroximate	< LOQ	0.4	0.193
Fipronil	< LOQ	0.4	0.193	Fonicamid	< LOQ	1	0.483
Fludioxonil	< LOQ	0.4	0.193	Hexythiazox	< LOQ	1	0.483
Imazalil	< LOQ	0.2	0.097	Imidacloprid	< LOQ	0.4	0.193
Kresoxim-methyl	< LOQ	0.4	0.193	Malathion	< LOQ	0.2	0.097
Metalaxyl	< LOQ	0.2	0.097	Methiocarb	< LOQ	0.2	0.097
Methomyl	< LOQ	0.4	0.193	Methyl parathion	< LOQ	0.2	0.097
MGK-264	< LOQ	0.2	0.097	Myclobutanil	< LOQ	0.2	0.097
Naled	< LOQ	0.5	0.241	Oxamyl	< LOQ	1	0.483
Paclobutrazol	< LOQ	0.4	0.193	Permethrins (total)	< LOQ	0.2	0.097
Phosmet	< LOQ	0.2	0.097	Piperonyl butoxide	< LOQ	2	0.483
Prallethrin	< LOQ	0.2	0.097	Propiconazole	< LOQ	0.4	0.193
Propoxur	< LOQ	0.2	0.097	Pyrethrins (total)	< LOQ	1	0.483
Pyridaben	< LOQ	0.2	0.097	Spinosad	< LOQ	0.2	0.097
Spiromesifen	< LOQ	0.2	0.097	Spirotetramat	< LOQ	0.2	0.097
Spiroxamine	< LOQ	0.4	0.193	Tebuconazole	< LOQ	0.4	0.193
Thiacloprid	< LOQ	0.2	0.097	Thiamethoxam	< LOQ	0.2	0.097
Trifloxystrobin	< LOQ	0.2	0.097				

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



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Sample Name: **Quantum Kush FECO Duplicate** Date Sampled: **02/20/19 12:07**
 Tested for: **OM Extracts** Date Accepted: **02/21/19**
Compliance Extract

Laboratory ID: **19B0081-08** Sample Metrc ID: **1A4010300014ADD000011482**
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000011479**
 Lot # **NA** Batch Size: **1399 (g)**

Pesticide Analysis in ppm

Date Extracted: 02/25/19 Analysis Method/SOP: Pesticides
 Date Analyzed: 02/26/19 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	0.964	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	0.482	Chlorpyrifos	< LOQ	0.2	0.096
Clofentezine	< LOQ	0.2	0.096	Cyfluthrin	< LOQ	1	0.482
Cypermethrin	< LOQ	1	0.482	Daminozide	< LOQ	1	0.482
DDVP (Dichlorvos)	< LOQ	1	0.482	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	0.482
Fludioxonil	< LOQ	0.4	0.193	Hexythiazox	< LOQ	1	0.482
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
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MGK-264	< LOQ	0.2	0.096	Myclobutanil	< LOQ	0.2	0.096
Naled	< LOQ	0.5	0.241	Oxamyl	< LOQ	1	0.482
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Propoxur	< LOQ	0.2	0.096	Pyrethrins (total)	< LOQ	1	0.482
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				

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Lab Director

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Sample Name: **Quantum Kush FECO Primary** Date Sampled: **02/20/19 12:06**
 Tested for: **OM Extracts** Date Accepted: **02/21/19**
Compliance Extract

Laboratory ID: **19B0081-07** Sample Metric ID: **1A4010300014ADD000011482**
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000011479**
 Lot # **NA** Batch Size: **1399 (g)**

Residual Solvents

Solvent	Results in ug/g	Action Level	LOQ
1,4-Dioxane	< LOQ	380	178
2-Butanol	< LOQ	5000	2340
2-Ethoxyethanol	< LOQ	160	74.8
2-Propanol (IPA)	< LOQ	5000	2340
Acetone	< LOQ	5000	2340
Acetonitrile	< LOQ	400	192
Benzene	< LOQ	2	0.935
Butanes	< LOQ	5000	2340
Cyclohexane	< LOQ	3880	1810
Dichloromethane (methylene chloride)	< LOQ	600	280
Ethyl acetate	< LOQ	5000	2340
Ethyl ether	< LOQ	5000	2340
Ethylbenzene	< LOQ	2170	1010
Ethylene glycol	< LOQ	620	290
Ethylene oxide	< LOQ	50	23.4
Heptane	< LOQ	5000	2340
Hexanes	< LOQ	290	136
Isopropyl acetate	< LOQ	5000	2340
Isopropylbenzene (cumene)	< LOQ	70	32.7
Methanol	< LOQ	3000	1400
Pentanes	< LOQ	5000	2340
Propane	< LOQ	5000	2340
Tetrahydrofuran	< LOQ	720	336
Toluene	< LOQ	890	416
Xylenes	< LOQ	2170	1010

Date Extracted: 02/25/19
 Date Analyzed: 02/26/19
 Analysis Method/SOP: RST

<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: **Quantum Kush FECO Duplicate** Date Sampled: **02/20/19 12:07**
 Tested for: **OM Extracts** Date Accepted: **02/21/19**
Compliance Extract

Laboratory ID: **19B0081-08** Sample Metric ID: **1A4010300014ADD000011482**
 Matrix: **Extracts and Concentrates** Batch RFID: **1A4010300014ADD000011479**
 Lot # **NA** Batch Size: **1399 (g)**

Residual Solvents

Solvent	Results in ug/g	Action Level	LOQ	Date Extracted: 02/25/19
1,4-Dioxane	< LOQ	380	183	Date Analyzed: 02/26/19
2-Butanol	< LOQ	5000	2410	Analysis Method/SOP: RST
2-Ethoxyethanol	< LOQ	160	77.2	
2-Propanol (IPA)	< LOQ	5000	2410	
Acetone	< LOQ	5000	2410	
Acetonitrile	< LOQ	400	198	
Benzene	< LOQ	2	0.965	
Butanes	< LOQ	5000	2410	
Cyclohexane	< LOQ	3880	1870	
Dichloromethane (methylene chloride)	< LOQ	600	290	
Ethyl acetate	< LOQ	5000	2410	
Ethyl ether	< LOQ	5000	2410	
Ethylbenzene	< LOQ	2170	1050	
Ethylene glycol	< LOQ	620	299	
Ethylene oxide	< LOQ	50	24.1	
Heptane	< LOQ	5000	2410	
Hexanes	< LOQ	290	140	
Isopropyl acetate	< LOQ	5000	2410	
Isopropylbenzene (cumene)	< LOQ	70	33.8	
Methanol	< LOQ	3000	1450	
Pentanes	< LOQ	5000	2410	
Propane	< LOQ	5000	2410	
Tetrahydrofuran	< LOQ	720	347	
Toluene	< LOQ	890	429	
Xylenes	< LOQ	2170	1050	

<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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