



12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflab.org

Green Leaf Lab proudly follows TNI 2009
Quality Standards

SFV OG x Chem Dawg

OM Extracts

Sample ID: G8B0022-01

Date Sampled: 02/01/18 00:00

Date Accepted: 02/01/18

Results Valid Until: 02/01/19

Results at a Glance

Total THC : 57.83 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Total Terpenes : 4.592 % PASS

Eric Wendt
Chief Science Officer - 2/6/2018



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OM Extracts

Sample ID: G8B0022-01

Matrix: Extracts and Concentrates

Test RFID: 1A4010300014ADD000000042

Source RFID: 1A4010300014ADD000000038

Potency Analysis

Date/Time Extracted: 02/02/18 10:33

Analysis Method/SOP: 215

Date/Time Analyzed: 02/03/18 00:59

Batch Identification: 1805039

Cannabinoids (% weight)	Decarboxylated* %	Cannabinoids Profile								
Total THC ((THCA*0.877)+Δ9)	57.83	<table border="1"> <tr><td>THCA</td><td>42.6</td></tr> <tr><td>delta 9-THC</td><td>20.5</td></tr> <tr><td>CBGA</td><td>2.3</td></tr> <tr><td>Total</td><td>65.4</td></tr> </table>	THCA	42.6	delta 9-THC	20.5	CBGA	2.3	Total	65.4
THCA	42.6									
delta 9-THC	20.5									
CBGA	2.3									
Total	65.4									
Total CBD ((CBDA*0.877)+CBD)	< LOQ									
THCA	42.57									
delta 9-THC	20.50									
delta 8-THC	< LOQ									
THCV	< LOQ									
CBGA	2.333									
CBDA	< LOQ									
CBD	< LOQ									
CBDV	< LOQ									
CBN	< LOQ									
CBG	< LOQ									
CBC	< LOQ									
Total Cannabinoids	65.40									

<LOQ - Results below the Limit of Quantitation - Compound not detected. LOQ = 5 PPM (mg/L)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

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OM Extracts

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Matrix: Extracts and Concentrates

Test RFID: 1A4010300014ADD000000042

Source RFID: 1A4010300014ADD000000038

Terpene Analysis

Date/Time Extracted: 02/02/18 10:33

Analysis Method/SOP: 204

Date/Time Analyzed: 02/03/18 01:57

Monoterpenes	Results in %	Monoterpenes	Results in %
Camphene	< LOQ	Camphor	< LOQ
3-Carene	< LOQ	alpha-Cedrene	< LOQ
Cedrol	< LOQ	Endo-fenchyl alcohol	0.1274
Eucalyptol	< LOQ	Fenchone	< LOQ
Geraniol	< LOQ	Geranyl acetate	< LOQ
Hexahydrothymol	< LOQ	Isoborneol	< LOQ
Isopulegol	< LOQ	Limonene	0.1324
Linalool	0.2331	p-Mentha-1,5-diene	< LOQ
beta-Myrcene	0.1143	Ocimene	< LOQ
alpha-Pinene	< LOQ	beta-Pinene	< LOQ
Pulegone	< LOQ	Sabinene	< LOQ
Sabinene hydrate	< LOQ	gamma-Terpinene	< LOQ
alpha-Terpinene	< LOQ	Terpineol	0.1325
Terpinolene	< LOQ	Nerol	< LOQ
Borneol	< LOQ		
Sesquiterpenes	Results in %	Sesquiterpenes	Results in %
alpha-Bisabolol	0.2690	beta-Caryophyllene	2.681
Caryophyllene Oxide	0.1115	Guaiol	< LOQ
alpha-Humulene	0.7265	Nerolidol	0.06437
Valencene	< LOQ		
Total Terpenes	4.592 %		

About your terpene profile

Terpenes are aromatic molecules found in plant resins. They are not only responsible for the many unique smells of Cannabis, but they accentuate the holistic effect of cannabinoids as well. Terpene profiles can be utilized to quantify strong flavor, identify different strains and achieve therapeutic benefits.

Green Leaf Lab's terpene analysis quantifies the 36 most common terpenes found in Cannabis sativa.

Monoterpenes:

All of the monoterpenes are very similar in chemical structure, containing 10 carbons and 6 hydrogens. Although, they are similar, the varying arrangements produce distinct aromas. Changes such as oxidation and rearrangement produce monoterpenoids which will have a different chemical formula.

Monoterpenes are more volatile than sesquiterpenes; the aromas tend to be stronger and they are more prone to being lost by heating and oxidation. Myrcene and Limonene are examples of an acyclic and cyclic monoterpene, respectively. They both share a basic structure containing a backbone of 10 carbon atoms, however arranged uniquely.

Sesquiterpenes:

The sesquiterpenes are a more complex class of terpenes. They are also generally aromatic, but are also heavier and less volatile. Thus, they often remain after some of the more volatile monoterpenes have broken down under heat or oxidation.

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

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OM Extracts

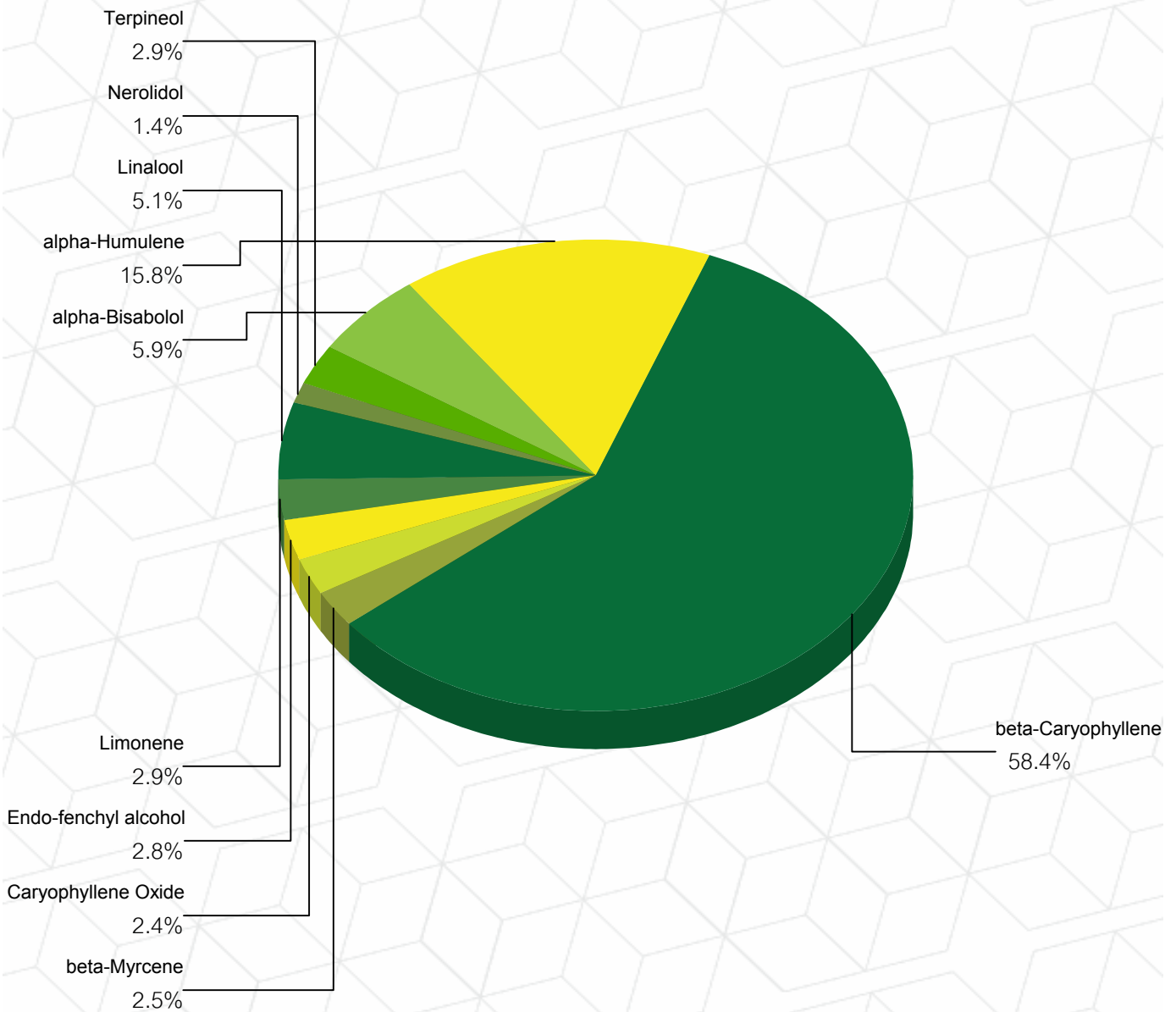
Sample ID: G8B0022-01

Matrix: Extracts and Concentrates

Test RFID: 1A4010300014ADD000000042

Source RFID: 1A4010300014ADD0000000038

Terpene Profile



Percentage of Total Terpenes Identified

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 Date Accepted: 02/01/18
 Results Valid Until: 02/01/19

OM Extracts

Sample ID: G8B0022-01 Matrix: Extracts and Concentrates Test RFID: 1A4010300014ADD000000042
 Source RFID: 1A4010300014ADD0000000038

Pesticide Analysis in PPM

Date/Time Extracted: 02/02/18 10:35

Date/Time GC Analyzed: 02/03/18 09:23

Analysis Method/SOP: 203

Date/Time LC Analyzed: 02/03/18 00:35

Batch Identification: 1805041

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.1	Insecticide and anthelmintic
Acephate	< LOQ	0.4	0.1	Organophosphate insecticide
Acequinocyl	< LOQ	2	0.1	Acaricide
Acetamiprid	< LOQ	0.2	0.1	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.1	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.1	QoI fungicide
Bifenazate	< LOQ	0.2	0.1	Insecticide and miticide
Bifenthrin	< LOQ	0.2	0.1	Pyrethroid insecticide and acaricide
Boscalid	< LOQ	0.4	0.1	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.1	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.1	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.1	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.1	Pyrazole insecticide, acaricide and miticide
Chlorpyrifos	< LOQ	0.2	0.1	Organophosphate insecticide
Clofentezine	< LOQ	0.2	0.1	Ovicidal tetrazine acaricide
Cyfluthrin	< LOQ	1	0.1	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.1	Pyrethroid insecticide
Daminozide	< LOQ	1	0.1	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.1	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.1	Organophosphate insecticide
Dimethoate	< LOQ	0.2	0.1	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.1	Organophosphate insecticide, nematocide
Etofenprox	< LOQ	0.4	0.1	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.1	Diphenyl oxazoline acaricide
Fenoxycarb	< LOQ	0.2	0.1	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.1	Pyrazolium insecticide and acaricide
Fipronil	< LOQ	0.4	0.1	Pyrazole insecticide
Flonicamid	< LOQ	1	0.1	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.1	Phenylpyrrole fungicide
Hexythiazox	< LOQ	1	0.1	Carboxamide acaricide
Imazalil	< LOQ	0.2	0.1	Azole fungicide
Imidacloprid	< LOQ	0.4	0.1	Neonicotinoid insecticide
Kresoxim-methyl	< LOQ	0.4	0.1	Strobilurin fungicide and bactericide
Malathion	< LOQ	0.2	0.1	Organophosphate insecticide and acaricide
Metalaxyl	< LOQ	0.2	0.1	Phenylamide fungicide

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Pesticide Analysis in PPM

Date/Time Extracted: 02/02/18 10:35

Date/Time GC Analyzed: 02/03/18 09:23

Analysis Method/SOP: 203

Date/Time LC Analyzed: 02/03/18 00:35

Batch Identification: 1805041

Analyte	Result	Action Level	LOQ	Type
Methiocarb	< LOQ	0.2	0.1	Carbamate insecticide
Methomyl	< LOQ	0.4	0.1	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.1	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.1	Synergist
Myclobutanil	< LOQ	0.2	0.1	Triazole fungicide
Naled	< LOQ	0.5	0.1	Organophosphate insecticide and acaricide
Oxamyl	< LOQ	1	0.1	Organophosphate insecticide, nematocide
Paclobutrazol	< LOQ	0.4	0.1	Triazole fungicide and plant growth regulator
Permethrins	< LOQ	0.2	0.1	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.1	Organophosphate insecticide and acaricide
Piperonyl butoxide	< LOQ	2	0.1	Synergist
Prallethrin	< LOQ	0.2	0.1	Synthetic pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.1	Triazole fungicide
Propoxur	< LOQ	0.2	0.1	Carbamate insecticide and acaricide
Pyrethrins	< LOQ	1	0.1	Pyrethroid insecticide
Pyridaben	< LOQ	0.2	0.1	Pyridazinone insecticide and acaricide
Spinosad	< LOQ	0.2	0.1	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.1	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.1	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.1	Morpholine fungicide
Tebuconazole	< LOQ	0.4	0.1	Triazole fungicide and plant growth regulator
Thiacloprid	< LOQ	0.2	0.1	Neonicotinoid insectide and molluscicide
Thiamethoxam	< LOQ	0.2	0.1	Neonicotinoid insectide
Trifloxystrobin	< LOQ	0.2	0.1	Strobilurin fungicide

<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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Date Sampled: 02/01/18 00:00

Date Accepted: 02/01/18

Results Valid Until: 02/01/19

Residual Solvents

Solvent	Results in ppm	LOQ	Action Level	
Acetone	< LOQ	1000	5000	
Acetonitrile	< LOQ	50.00	410	
Benzene	< LOQ	0.5000	2	
Butanes	< LOQ	1000	5000 ³	
2-Butanol	< LOQ	1000	5000	
Cumene	< LOQ	50.00	70	
Cyclohexane	< LOQ	50.00	3880	
Dichloromethane	< LOQ	50.00	600	
1,4-Dioxane	< LOQ	50.00	380	
2-Ethoxyethanol	< LOQ	50.00	160	
Ethyl acetate	< LOQ	1000	5000	
Ethylene glycol	< LOQ	50.00	620	
Ethylene oxide	< LOQ	50.00	50	
Ethyl ether	< LOQ	1000	5000	
Heptane	< LOQ	1000	5000	
Hexanes	< LOQ	50.00	290 ⁴	
Isopropyl acetate	< LOQ	1000	5000	
Methanol	< LOQ	100.0	3000	
Pentanes	< LOQ	1000	5000 ⁵	
Propane	< LOQ	1000	5000	
2-Propanol (IPA)	< LOQ	1000	5000	
Tetrahydrofuran	< LOQ	50.00	720	
Toluene	< LOQ	50.00	890	

Date/Time Extracted: 02/02/18 10:32

Date/Time Analyzed: 02/03/18 06:01

Analysis Method/SOP: 205

Batch Identification: 1805038

3 - Total butanes should be calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)

4 - Total hexanes should be calculated as sum of n-hexane (CAS# 110-54-3), 2-methylpentane (CAS# 107-83-5), 3-methylpentane (CAS# 96-14-0), 2,2-dimethylbutane (CAS# 75-83-2), 2,3-dimethylbutane (CAS# 79-29-8)

5 - Total pentanes should be calculated as sum of n-pentane (CAS# 109-66-0), iso-pentane (CAS# 78-78-4), and neo-pentane (CAS# 463-82-1)

6 - Total xylenes are 1,2-dimethylbenzene (CAS# 95-47-6), 1,3-dimethylbenzene (CAS# 106-42-3), and 1,4-dimethylbenzene (CAS# 106-42-3)

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

Eric Wendt
 Chief Science Officer - 2/6/2018



Quality Control Potency

Batch: 1805039 - 215-Concentrates

Blank(1805039-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
delta 9-THC	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
delta 8-THC	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBGA	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
THCV	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBDA	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBD	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBDV	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBN	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBG	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBC	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29

LCS(1805039-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	118	0.015	%	80-120	02/02/18 10:33	02/02/18 21:40
delta 9-THC	118	0.015	%	80-120	02/02/18 10:33	02/02/18 21:40
CBDA	116	0.015	%	80-120	02/02/18 10:33	02/02/18 21:40
CBD	119	0.015	%	80-120	02/02/18 10:33	02/02/18 21:40

LCS(1805039-BS2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	104	0.015	%	80-120	02/02/18 10:33	02/02/18 21:52
delta 9-THC	105	0.015	%	80-120	02/02/18 10:33	02/02/18 21:52
CBDA	107	0.015	%	80-120	02/02/18 10:33	02/02/18 21:52
CBD	106	0.015	%	80-120	02/02/18 10:33	02/02/18 21:52

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Quality Control Pesticide Analysis

Batch: 1805041 - 203

Blank(1805041-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
DDVP (Dichlorvos)	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Acephate	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Acequinocyl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Acetamiprid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Aldicarb	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Azoxystrobin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Bifenazate	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Bifenthrin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Boscalid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Carbaryl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Carbofuran	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Chlorantraniliprole	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Chlorfenapyr	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Chlorpyrifos	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Clofentezine	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Cyfluthrin	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Cypermethrin	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Daminozide	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Diazinon	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Dimethoate	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Ethoprophos	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Etofenprox	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Etoxazole	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Fenoxycarb	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Fenpyroximate	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Fipronil	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Fonicamid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Fludioxonil	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Hexythiazox	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Imazalil	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Imidacloprid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Kresoxim-methyl	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Malathion	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Metalaxyl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Methiocarb	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Methomyl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Methyl parathion	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04

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Quality Control Pesticide Analysis (Continued)

Batch: 1805041 - 203 (Continued)

Blank(1805041-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
MGK-264	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Myclobutanil	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Naled	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Oxamyl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Paclobutrazol	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Permethrins	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Phosmet	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Piperonyl butoxide	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Prallethrin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Propiconazole	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Propoxur	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Pyrethrins	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Pyridaben	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Spinosad	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Spiromesifen	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Spirotetramat	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Spiroxamine	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Tebuconazole	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Thiacloprid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Thiamethoxam	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Trifloxystrobin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04

LCS(1805041-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	58.2	0.1	ppm	7-141	02/02/18 10:35	02/02/18 20:17
DDVP (Dichlorvos)	113	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Acephate	90.1	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Acequinocyl	53.2	0.1	ppm	0-111	02/02/18 10:35	02/02/18 20:17
Acetamiprid	94.9	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Aldicarb	97.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Azoxystrobin	93.0	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Bifenazate	207	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Bifenthrin	88.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Boscalid	103	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Carbaryl	90.4	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Carbofuran	104	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Chlorantraniliprole	61.3	0.1	ppm	26-131	02/02/18 10:35	02/02/18 20:17
Chlorfenapyr	80.6	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Chlorpyrifos	85.1	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26

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Chief Science Officer - 2/6/2018



Quality Control

Pesticide Analysis (Continued)

Batch: 1805041 - 203 (Continued)

LCS(1805041-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Clofentezine	85.2	0.1	ppm	35-118	02/02/18 10:35	02/02/18 20:17
Cyfluthrin	88.0	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Cypermethrin	81.0	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Daminozide		0.1	ppm	0-100	02/02/18 10:35	02/02/18 20:17
Diazinon	90.0	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Dimethoate	96.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Ethoprophos	91.2	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Etofenprox	90.1	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Etoxazole	82.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Fenoxycarb	83.0	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Fenpyroximate	79.2	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Fipronil	87.5	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Flonicamid	101	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Fludioxonil	73.1	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Hexythiazox	78.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Imazalil	73.6	0.1	ppm	31-103	02/02/18 10:35	02/02/18 20:17
Imidacloprid	97.9	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Kresoxim-methyl	90.2	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Malathion	106	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Metalaxyl	82.5	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Methiocarb	97.4	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Methomyl	89.5	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Methyl parathion	91.3	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
MGK-264	81.8	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Myclobutanil	84.4	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Naled	70.0	0.1	ppm	0-103	02/02/18 10:35	02/03/18 02:26
Oxamyl	92.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Paclobutrazol	96.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Permethrins	86.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Phosmet	93.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Piperonyl butoxide	88.4	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Prallethrin	101	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Propiconazole	81.1	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Propoxur	102	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Pyrethrins	116	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Pyridaben	84.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Spinosad	61.3	0.1	ppm	24-91	02/02/18 10:35	02/02/18 20:17
Spiromesifen	86.2	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17

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Quality Control
Pesticide Analysis (Continued)

Batch: 1805041 - 203 (Continued)

LCS(1805041-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spirotetramat	82.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Spiroxamine	54.9	0.1	ppm	15-95	02/02/18 10:35	02/02/18 20:17
Tebuconazole	86.5	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Thiacloprid	102	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Thiamethoxam	94.6	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Trifloxystrobin	86.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17

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Quality Control Solvent Analysis

Batch: 1805038 - 205

Blank(1805038-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Acetonitrile	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Benzene	< LOQ	0.5000	ppm		02/02/18 10:32	02/05/18 10:04
Butanes	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
2-Butanol	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Cumene	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Cyclohexane	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Dichloromethane	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
1,4-Dioxane	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
2-Ethoxyethanol	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Ethyl acetate	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Ethylene glycol	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Ethylene oxide	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Ethyl ether	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Heptane	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Hexanes	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Isopropyl acetate	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Methanol	< LOQ	100.0	ppm		02/02/18 10:32	02/05/18 10:04
Pentanes	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Propane	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
2-Propanol (IPA)	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Tetrahydrofuran	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Toluene	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04

LCS(1805038-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	109	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Acetonitrile	114	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Benzene	105	0.5000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
n-Butane	106	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Butanes	105	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
2-Butanol	107	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Cumene	99.0	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Cyclohexane	110	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Dichloromethane	110	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
1,4-Dimethylbenzene	96.3	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
1,4-Dioxane	112	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
2-Ethoxyethanol	108	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Ethyl acetate	109	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41

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Quality Control

Solvent Analysis (Continued)

Batch: 1805038 - 205 (Continued)

LCS(1805038-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl benzene	96.6	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Ethylene glycol	112	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Ethylene oxide	115	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Ethyl ether	112	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Heptane	110	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
n-Hexane	111	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Hexanes	107	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
iso-Butane	103	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Isopropyl acetate	108	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
iso-Pentane	110	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Methanol	111	100.0	ppm	70-130	02/02/18 10:32	02/02/18 18:41
2-Methylpentane	111	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
3-Methylpentane	111	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
neo-Pentane	106	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
n-Pentane	110	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Pentanes	108	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Propane	92.5	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
2-Propanol (IPA)	110	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Tetrahydrofuran	110	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Toluene	106	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41

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SFV OG x Chem Dawg Duplicate

OM Extracts

Sample ID: G8B0022-02

Date Sampled: 02/01/18 00:00

Date Accepted: 02/01/18

Results Valid Until: 02/01/19

Results at a Glance

Total THC : 57.73 %

Pesticides : PASS

Residual Solvent Analysis : PASS

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SFV OG x Chem Dawg Duplicate

Date Sampled: 02/01/18 00:00

Date Accepted: 02/01/18

Results Valid Until: 02/01/19

OM Extracts

Sample ID: G8B0022-02

Matrix: Extracts and Concentrates

Test RFID: 0042

Source RFID: 1A4010300014ADD000000038

Potency Analysis

Date/Time Extracted: 02/02/18 10:33

Analysis Method/SOP: 215

Date/Time Analyzed: 02/03/18 01:10

Batch Identification: 1805039

Cannabinoids (% weight)	Decarboxylated* %	Cannabinoids Profile								
Total THC ((THCA*0.877)+Δ9)	57.73	<table border="1"> <tr><td>THCA</td><td>42.5</td></tr> <tr><td>delta 9-THC</td><td>20.5</td></tr> <tr><td>CBGA</td><td>2.3</td></tr> <tr><td>Total</td><td>65.3</td></tr> </table>	THCA	42.5	delta 9-THC	20.5	CBGA	2.3	Total	65.3
THCA	42.5									
delta 9-THC	20.5									
CBGA	2.3									
Total	65.3									
Total CBD ((CBDA*0.877)+CBD)	< LOQ									
THCA	42.50									
delta 9-THC	20.45									
delta 8-THC	< LOQ									
THCV	< LOQ									
CBGA	2.348									
CBDA	< LOQ									
CBD	< LOQ									
CBDV	< LOQ									
CBN	< LOQ									
CBG	< LOQ									
CBC	< LOQ									
Total Cannabinoids	65.30									

<LOQ - Results below the Limit of Quantitation - Compound not detected. LOQ = 5 PPM (mg/L)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

Eric Wendt
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SFV OG x Chem Dawg Duplicate

Date Sampled: 02/01/18
 Date Accepted: 02/01/18
 Results Valid Until: 02/01/19

OM Extracts

Sample ID: G8B0022-02 Matrix: Extracts and Concentrates Test RFID: 0042
 Source RFID: 1A4010300014ADD0000000038

Pesticide Analysis in PPM

Date/Time Extracted: 02/02/18 10:35

Date/Time GC Analyzed: 02/03/18 10:07

Analysis Method/SOP: 203

Date/Time LC Analyzed: 02/03/18 01:02

Batch Identification: 1805041

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.1	Insecticide and anthelmintic
Acephate	< LOQ	0.4	0.1	Organophosphate insecticide
Acequinocyl	< LOQ	2	0.1	Acaricide
Acetamiprid	< LOQ	0.2	0.1	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.1	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.1	QoI fungicide
Bifenazate	< LOQ	0.2	0.1	Insecticide and miticide
Bifenthrin	< LOQ	0.2	0.1	Pyrethroid insecticide and acaricide
Boscalid	< LOQ	0.4	0.1	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.1	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.1	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.1	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.1	Pyrazole insecticide, acaricide and miticide
Chlorpyrifos	< LOQ	0.2	0.1	Organophosphate insecticide
Clofentezine	< LOQ	0.2	0.1	Ovicidal tetrazine acaricide
Cyfluthrin	< LOQ	1	0.1	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.1	Pyrethroid insecticide
Daminozide	< LOQ	1	0.1	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.1	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.1	Organophosphate insecticide
Dimethoate	< LOQ	0.2	0.1	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.1	Organophosphate insecticide, nematocide
Etofenprox	< LOQ	0.4	0.1	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.1	Diphenyl oxazoline acaricide
Fenoxycarb	< LOQ	0.2	0.1	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.1	Pyrazolium insecticide and acaricide
Fipronil	< LOQ	0.4	0.1	Pyrazole insecticide
Flonicamid	< LOQ	1	0.1	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.1	Phenylpyrrole fungicide
Hexythiazox	< LOQ	1	0.1	Carboxamide acaricide
Imazalil	< LOQ	0.2	0.1	Azole fungicide
Imidacloprid	< LOQ	0.4	0.1	Neonicotinoid insecticide
Kresoxim-methyl	< LOQ	0.4	0.1	Strobilurin fungicide and bactericide
Malathion	< LOQ	0.2	0.1	Organophosphate insecticide and acaricide
Metalaxyl	< LOQ	0.2	0.1	Phenylamide fungicide

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SFV OG x Chem Dawg Duplicate

Date Sampled: 02/01/18

Date Accepted: 02/01/18

Results Valid Until: 02/01/19

OM Extracts

Sample ID: G8B0022-02

Matrix: Extracts and Concentrates

Test RFID: 0042

Source RFID: 1A4010300014ADD000000038

Pesticide Analysis in PPM

Date/Time Extracted: 02/02/18 10:35

Date/Time GC Analyzed: 02/03/18 10:07

Analysis Method/SOP: 203

Date/Time LC Analyzed: 02/03/18 01:02

Batch Identification: 1805041

Analyte	Result	Action Level	LOQ	Type
Methiocarb	< LOQ	0.2	0.1	Carbamate insecticide
Methomyl	< LOQ	0.4	0.1	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.1	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.1	Synergist
Myclobutanil	< LOQ	0.2	0.1	Triazole fungicide
Naled	< LOQ	0.5	0.1	Organophosphate insecticide and acaricide
Oxamyl	< LOQ	1	0.1	Organophosphate insecticide, nematocide
Paclobutrazol	< LOQ	0.4	0.1	Triazole fungicide and plant growth regulator
Permethrins	< LOQ	0.2	0.1	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.1	Organophosphate insecticide and acaricide
Piperonyl butoxide	< LOQ	2	0.1	Synergist
Prallethrin	< LOQ	0.2	0.1	Synthetic pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.1	Triazole fungicide
Propoxur	< LOQ	0.2	0.1	Carbamate insecticide and acaricide
Pyrethrins	< LOQ	1	0.1	Pyrethroid insecticide
Pyridaben	< LOQ	0.2	0.1	Pyridazinone insecticide and acaricide
Spinosad	< LOQ	0.2	0.1	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.1	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.1	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.1	Morpholine fungicide
Tebuconazole	< LOQ	0.4	0.1	Triazole fungicide and plant growth regulator
Thiacloprid	< LOQ	0.2	0.1	Neonicotinoid insectide and molluscicide
Thiamethoxam	< LOQ	0.2	0.1	Neonicotinoid insectide
Trifloxystrobin	< LOQ	0.2	0.1	Strobilurin fungicide

<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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SFV OG x Chem Dawg Duplicate

OM Extracts

Sample ID: G8B0022-02

Matrix: Extracts and Concentrates

Test RFID: 0042

Source RFID: 1A4010300014ADD000000038

Date Sampled: 02/01/18 00:00

Date Accepted: 02/01/18

Results Valid Until: 02/01/19

Residual Solvents

Solvent	Results in ppm	LOQ	Action Level	
Acetone	< LOQ	1000	5000	
Acetonitrile	< LOQ	50.00	410	
Benzene	< LOQ	0.5000	2	
Butanes	< LOQ	1000	5000 ³	
2-Butanol	< LOQ	1000	5000	
Cumene	< LOQ	50.00	70	
Cyclohexane	< LOQ	50.00	3880	
Dichloromethane	< LOQ	50.00	600	
1,4-Dioxane	< LOQ	50.00	380	
2-Ethoxyethanol	< LOQ	50.00	160	
Ethyl acetate	< LOQ	1000	5000	
Ethylene glycol	< LOQ	50.00	620	
Ethylene oxide	< LOQ	50.00	50	
Ethyl ether	< LOQ	1000	5000	
Heptane	< LOQ	1000	5000	
Hexanes	< LOQ	50.00	290 ⁴	
Isopropyl acetate	< LOQ	1000	5000	
Methanol	< LOQ	100.0	3000	
Pentanes	< LOQ	1000	5000 ⁵	
Propane	< LOQ	1000	5000	
2-Propanol (IPA)	< LOQ	1000	5000	
Tetrahydrofuran	< LOQ	50.00	720	
Toluene	< LOQ	50.00	890	

Date/Time Extracted: 02/02/18 10:32

Date/Time Analyzed: 02/03/18 06:37

Analysis Method/SOP: 205

Batch Identification: 1805038

3 - Total butanes should be calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)

4 - Total hexanes should be calculated as sum of n-hexane (CAS# 110-54-3), 2-methylpentane (CAS# 107-83-5), 3-methylpentane (CAS# 96-14-0), 2,2-dimethylbutane (CAS# 75-83-2), 2,3-dimethylbutane (CAS# 79-29-8)

5 - Total pentanes should be calculated as sum of n-pentane (CAS# 109-66-0), iso-pentane (CAS# 78-78-4), and neo-pentane (CAS# 463-82-1)

6 - Total xylenes are 1,2-dimethylbenzene (CAS# 95-47-6), 1,3-dimethylbenzene (CAS# 106-42-3), and 1,4-dimethylbenzene (CAS# 106-42-3)

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

Eric Wendt
 Chief Science Officer - 2/6/2018



Quality Control Potency

Batch: 1805039 - 215-Concentrates

Blank(1805039-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
delta 9-THC	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
delta 8-THC	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBGA	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
THCV	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBDA	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBD	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBDV	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBN	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBG	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29
CBC	< LOQ	1.200	%		02/02/18 10:33	02/02/18 21:29

LCS(1805039-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	118	0.015	%	80-120	02/02/18 10:33	02/02/18 21:40
delta 9-THC	118	0.015	%	80-120	02/02/18 10:33	02/02/18 21:40
CBDA	116	0.015	%	80-120	02/02/18 10:33	02/02/18 21:40
CBD	119	0.015	%	80-120	02/02/18 10:33	02/02/18 21:40

LCS(1805039-BS2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	104	0.015	%	80-120	02/02/18 10:33	02/02/18 21:52
delta 9-THC	105	0.015	%	80-120	02/02/18 10:33	02/02/18 21:52
CBDA	107	0.015	%	80-120	02/02/18 10:33	02/02/18 21:52
CBD	106	0.015	%	80-120	02/02/18 10:33	02/02/18 21:52

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Chief Science Officer - 2/6/2018



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Quality Control Pesticide Analysis

Batch: 1805041 - 203

Blank(1805041-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
DDVP (Dichlorvos)	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Acephate	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Acequinocyl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Acetamiprid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Aldicarb	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Azoxystrobin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Bifenazate	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Bifenthrin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Boscalid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Carbaryl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Carbofuran	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Chlorantraniliprole	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Chlorfenapyr	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Chlorpyrifos	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Clofentezine	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Cyfluthrin	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Cypermethrin	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Daminozide	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Diazinon	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Dimethoate	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Ethoprophos	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Etofenprox	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Etoxazole	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Fenoxycarb	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Fenpyroximate	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Fipronil	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Fonicamid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Fludioxonil	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Hexythiazox	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Imazalil	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Imidacloprid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Kresoxim-methyl	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Malathion	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Metalaxyl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Methiocarb	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Methomyl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Methyl parathion	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04

Eric Wendt
 Chief Science Officer - 2/6/2018

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Quality Control Pesticide Analysis (Continued)

Batch: 1805041 - 203 (Continued)

Blank(1805041-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
MGK-264	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Myclobutanil	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Naled	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Oxamyl	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Paclobutrazol	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Permethrins	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Phosmet	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Piperonyl butoxide	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Prallethrin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Propiconazole	< LOQ	0.1	ppm		02/02/18 10:35	02/03/18 02:04
Propoxur	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Pyrethrins	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Pyridaben	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Spinosad	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Spiromesifen	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Spirotetramat	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Spiroxamine	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Tebuconazole	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Thiacloprid	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Thiamethoxam	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04
Trifloxystrobin	< LOQ	0.1	ppm		02/02/18 10:35	02/02/18 20:04

LCS(1805041-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	58.2	0.1	ppm	7-141	02/02/18 10:35	02/02/18 20:17
DDVP (Dichlorvos)	113	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Acephate	90.1	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Acequinocyl	53.2	0.1	ppm	0-111	02/02/18 10:35	02/02/18 20:17
Acetamiprid	94.9	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Aldicarb	97.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Azoxystrobin	93.0	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Bifenazate	207	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Bifenthrin	88.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Boscalid	103	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Carbaryl	90.4	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Carbofuran	104	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Chlorantraniliprole	61.3	0.1	ppm	26-131	02/02/18 10:35	02/02/18 20:17
Chlorfenapyr	80.6	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Chlorpyrifos	85.1	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26

Eric Wendt
Chief Science Officer - 2/6/2018



Quality Control

Pesticide Analysis (Continued)

Batch: 1805041 - 203 (Continued)

LCS(1805041-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Clofentezine	85.2	0.1	ppm	35-118	02/02/18 10:35	02/02/18 20:17
Cyfluthrin	88.0	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Cypermethrin	81.0	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Daminozide		0.1	ppm	0-100	02/02/18 10:35	02/02/18 20:17
Diazinon	90.0	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Dimethoate	96.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Ethoprophos	91.2	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Etofenprox	90.1	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Etoxazole	82.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Fenoxycarb	83.0	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Fenpyroximate	79.2	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Fipronil	87.5	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Flonicamid	101	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Fludioxonil	73.1	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Hexythiazox	78.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Imazalil	73.6	0.1	ppm	31-103	02/02/18 10:35	02/02/18 20:17
Imidacloprid	97.9	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Kresoxim-methyl	90.2	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Malathion	106	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Metalaxyl	82.5	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Methiocarb	97.4	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Methomyl	89.5	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Methyl parathion	91.3	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
MGK-264	81.8	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Myclobutanil	84.4	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Naled	70.0	0.1	ppm	0-103	02/02/18 10:35	02/03/18 02:26
Oxamyl	92.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Paclobutrazol	96.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Permethrins	86.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Phosmet	93.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Piperonyl butoxide	88.4	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Prallethrin	101	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Propiconazole	81.1	0.1	ppm	70-130	02/02/18 10:35	02/03/18 02:26
Propoxur	102	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Pyrethrins	116	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Pyridaben	84.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Spinosad	61.3	0.1	ppm	24-91	02/02/18 10:35	02/02/18 20:17
Spiromesifen	86.2	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17

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Chief Science Officer - 2/6/2018



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Quality Control
Pesticide Analysis (Continued)

Batch: 1805041 - 203 (Continued)

LCS(1805041-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spirotetramat	82.8	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Spiroxamine	54.9	0.1	ppm	15-95	02/02/18 10:35	02/02/18 20:17
Tebuconazole	86.5	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Thiacloprid	102	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Thiamethoxam	94.6	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17
Trifloxystrobin	86.7	0.1	ppm	70-130	02/02/18 10:35	02/02/18 20:17

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Quality Control Solvent Analysis

Batch: 1805038 - 205

Blank(1805038-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Acetonitrile	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Benzene	< LOQ	0.5000	ppm		02/02/18 10:32	02/05/18 10:04
Butanes	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
2-Butanol	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Cumene	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Cyclohexane	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Dichloromethane	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
1,4-Dioxane	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
2-Ethoxyethanol	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Ethyl acetate	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Ethylene glycol	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Ethylene oxide	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Ethyl ether	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Heptane	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Hexanes	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Isopropyl acetate	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Methanol	< LOQ	100.0	ppm		02/02/18 10:32	02/05/18 10:04
Pentanes	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Propane	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
2-Propanol (IPA)	< LOQ	1000	ppm		02/02/18 10:32	02/05/18 10:04
Tetrahydrofuran	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04
Toluene	< LOQ	50.00	ppm		02/02/18 10:32	02/05/18 10:04

LCS(1805038-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	109	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Acetonitrile	114	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Benzene	105	0.5000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
n-Butane	106	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Butanes	105	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
2-Butanol	107	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Cumene	99.0	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Cyclohexane	110	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Dichloromethane	110	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
1,4-Dimethylbenzene	96.3	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
1,4-Dioxane	112	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
2-Ethoxyethanol	108	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Ethyl acetate	109	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41

Eric Wendt
Chief Science Officer - 2/6/2018



Quality Control

Solvent Analysis (Continued)

Batch: 1805038 - 205 (Continued)

LCS(1805038-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl benzene	96.6	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Ethylene glycol	112	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Ethylene oxide	115	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Ethyl ether	112	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Heptane	110	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
n-Hexane	111	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Hexanes	107	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
iso-Butane	103	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Isopropyl acetate	108	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
iso-Pentane	110	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Methanol	111	100.0	ppm	70-130	02/02/18 10:32	02/02/18 18:41
2-Methylpentane	111	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
3-Methylpentane	111	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
neo-Pentane	106	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
n-Pentane	110	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Pentanes	108	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Propane	92.5	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
2-Propanol (IPA)	110	1000	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Tetrahydrofuran	110	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41
Toluene	106	50.00	ppm	70-130	02/02/18 10:32	02/02/18 18:41

Eric Wendt
Chief Science Officer - 2/6/2018