Green Leaf Lab

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

Green Leaf Lab proudly follows TNI 2009 Quality Standards

T Free Distillate 2100

Eclipse CBD

Date Sampled: 01/21/19 00:00
Date Accepted: 01/21/19

Sample ID: G9A0377-01

Results at a Glance

Total CBD : 89.29 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Eric Wendt
Chief Science Officer - 1/25/2019

Green Leaf Lab

Official Cannalysis Report

License#: 10029074C70

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T Free Distillate 2100

Eclipse CBD

Date Sampled: 01/21/19 00:00
Date Accepted: 01/21/19

M #: 1006420

Sample ID: G9A0377-01 **Matrix:** Extracts and Concentrates

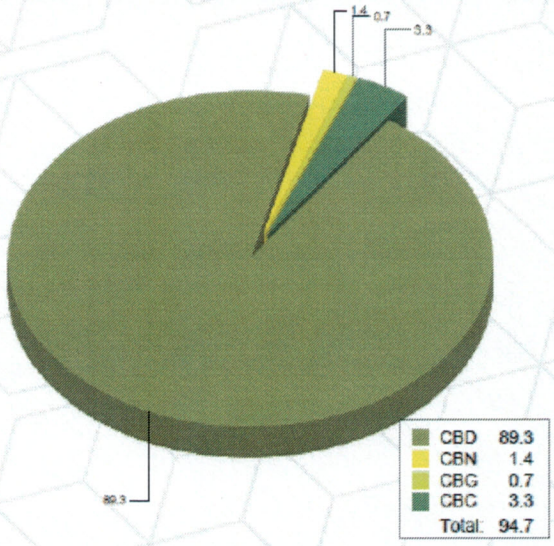
Potency Analysis

Date/Time Extracted: 01/23/19 14:50
Date/Time Analyzed: 01/23/19 23:30

Analysis Method/SOP: 215
Batch Identification: 1904040

Cannabinoids (% weight)	Decarboxylated* %
Total THC ((THCA*0.877)+Δ9)	< LOQ
Total CBD ((CBDA*0.877)+CBD)	89.29
THCA	< LOQ
delta 9-THC	< LOQ
delta 8-THC	< LOQ
THCV	< LOQ
CBD	89.29
CBDA	< LOQ
CBDV	< LOQ
CBDVA	< LOQ
CBN	1.421
CBG	0.7454
CBGA	< LOQ
CBC	3.289
CBCA	< LOQ
CBLA	< LOQ
Total Cannabinoids	95.02

Cannabinoids Profile



<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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T Free Distillate 2100

Eclipse CBD

Date Sampled: 01/21/19
Date Accepted: 01/21/19
Results Valid Until: 01/21/20

M #: 1006420

Sample ID: G9A0377-01 Matrix: Extracts and Concentrates

Pesticide Analysis in PPM

Date/Time Extracted: 01/24/19 10:17
Analysis Method/SOP: 202
Batch Identification: 1904046

Date/Time GC Analyzed: 01/25/19 06:01
Date/Time LC Analyzed: 01/25/19 04:05

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.000008	Insecticide and anthelmintic
Acephate	< LOQ	0.4	0.000001	Organophosphate insecticide
Acequinocyl	< LOQ	2	0.000008	Acaracide
Acetamiprid	< LOQ	0.2	0.000001	Neonicotinoid instecticide
Aldicarb	< LOQ	0.4	0.000001	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.000001	QoI fungicide
Bifenazate	< LOQ	0.2	0.000001	Insecticide and miticide
Bifenthrin	< LOQ	0.2	0.02	Pyrethroid insecticide and acaricide
Boscalid	< LOQ	0.4	0.01	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.000001	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.000001	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.000001	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.2	Pyrazole insecticide, acaricide and miticide
Chlorpyrifos	< LOQ	0.2	0.000001	Organophosphate insecticide
Clofentezine	< LOQ	0.2	0.000001	Ovicidal tetrazine acaricide
Cyfluthrin	< LOQ	1	0.000008	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.2	Pyrethroid insecticide
Daminozide	< LOQ	1	0.000003	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.01	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.000001	Organophosphate insecticide
Dimethoate	< LOQ	0.2	0.000001	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.000001	Organophosphate insecticide, nematocide
Etofenprox	< LOQ	0.4	0.000001	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.000001	Diphenyl oxazoline acaricide
Fenoxycarb	< LOQ	0.2	0.000001	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.000001	Pyrazolium insecticide and acaricide
Fipronil	< LOQ	0.4	0.02	Pyrazole insecticide
Flonicamid	< LOQ	1	0.000001	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.000001	Phenylpyrrole fungicide
Hexythiazox	< LOQ	1	0.000001	Carboxamide acaricide
Imazalil	< LOQ	0.2	0.000001	Azole fungicide
Imidacloprid	< LOQ	0.4	0.000001	Neonicotinoid insectide
Kresoxim-methyl	< LOQ	0.4	0.02	Strobilurin fungicide and bactericide
Malathion	< LOQ	0.2	0.000001	Organophosphate insecticide and acaricide
Metalaxyl	< LOQ	0.2	0.000001	Phenylamide fungicide

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Eclipse CBD

Date Sampled: 01/21/19
Date Accepted: 01/21/19
Results Valid Until: 01/21/20

M #: 1006420

Sample ID: G9A0377-01 Matrix: Extracts and Concentrates

Pesticide Analysis in PPM

Date/Time Extracted: 01/24/19 10:17
Analysis Method/SOP: 202
Batch Identification: 1904046

Date/Time GC Analyzed: 01/25/19 06:01
Date/Time LC Analyzed: 01/25/19 04:05

Analyte	Result	Action Level	LOQ	Type
Methiocarb	< LOQ	0.2	0.000001	Carbamate insecticide
Methomyl	< LOQ	0.4	0.000001	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.01	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.01	Synergist
Myclobutanil	< LOQ	0.2	0.000001	Triazole fungicide
Naled	< LOQ	0.5	0.000001	Organophosphate insecticide and acaricide
Oxamyl	< LOQ	1	0.000001	Organophosphate insecticide, nematocide
Paclobutrazol	< LOQ	0.4	0.000001	Triazole fungicide and plant growth regulator
Permethrins	< LOQ	0.2	0.2	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.000001	Organophosphate insecticide and acaricide
Piperonyl butoxide	< LOQ	2	0.000001	Synergist
Prallethrin	< LOQ	0.2	0.000001	Synthetic pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.2	Triazole fungicide
Propoxur	< LOQ	0.2	0.000001	Carbamate insecticide and acaricide
Pyrethrins	< LOQ	1	0.000008	Pyrethroid insecticide
Pyridaben	< LOQ	0.2	0.000001	Pyridazinone insecticide and acaricide
Spinosad	< LOQ	0.2	0.000001	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.000001	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.000001	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.000001	Morpholine fungicide
Tebuconazole	< LOQ	0.4	0.000001	Triazole fungicide and plant growth regulator
Thiacloprid	< LOQ	0.2	0.000001	Neonicotinoid insectide and molluscicide
Thiamethoxam	< LOQ	0.2	0.000001	Neonicotinoid insectide
Trifloxystrobin	< LOQ	0.2	0.000001	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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Eclipse CBD

Date Sampled: 01/21/19 00:00
Date Accepted: 01/21/19

M #: 1006420

Sample ID: G9A0377-01 **Matrix:** Extracts and Concentrates

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
Ethyl benzene	< LOQ	50.00	2170
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
Xylenes	< LOQ	50.00	2170

Date/Time Extracted: 01/24/19 09:23
Date/Time Analyzed: 01/24/19 20:31
Analysis Method/SOP: 205
Batch Identification: 1904043

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-dimenthylbutane (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)

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Potency

Batch: 1904040 - 215-Concentrates

Blank(1904040-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
delta 9-THC	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
delta 8-THC	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
THCV	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBD	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBDA	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBDV	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBDVA	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBN	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBG	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBGA	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBC	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBCA	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56
CBLA	< LOQ	0.4100	%		01/23/19 14:50	01/23/19 22:56

Reference(1904040-SRM1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	99.6	0.2377	%	80-120	01/23/19 14:50	01/23/19 23:19
delta 9-THC	96.3	0.2377	%	80-120	01/23/19 14:50	01/23/19 23:19
CBD	97.9	0.2377	%	80-120	01/23/19 14:50	01/23/19 23:19
CBDA	99.4	0.2377	%	80-120	01/23/19 14:50	01/23/19 23:19

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Pesticide Analysis

Batch: 1904046 - 202

Blank(1904046-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	< LOQ	0.08	ppm		01/24/19 10:17	01/24/19 20:31
DDVP (Dichlorvos)	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 21:55
Acephate	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Acequinocyl	< LOQ	0.08	ppm		01/24/19 10:17	01/24/19 20:31
Acetamiprid	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Aldicarb	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Azoxystrobin	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Bifenazate	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Bifenthrin	< LOQ	0.02	ppm		01/24/19 10:17	01/24/19 21:55
Boscalid	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 21:55
Carbaryl	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Carbofuran	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Chlorantraniliprole	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Chlorfenapyr	< LOQ	0.2	ppm		01/24/19 10:17	01/24/19 21:55
Chlorpyrifos	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Clofentezine	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Cyfluthrin	< LOQ	0.08	ppm		01/24/19 10:17	01/24/19 20:31
Cypermethrin	< LOQ	0.2	ppm		01/24/19 10:17	01/24/19 21:55
Daminozide	< LOQ	0.03	ppm		01/24/19 10:17	01/24/19 20:31
Diazinon	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Dimethoate	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Ethoprophos	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Etofenprox	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Etoxazole	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Fenoxycarb	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Fenpyroximate	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Fipronil	< LOQ	0.02	ppm		01/24/19 10:17	01/24/19 21:55
Flonicamid	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Fludioxonil	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Hexythiazox	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Imazalil	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Imidacloprid	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Kresoxim-methyl	< LOQ	0.02	ppm		01/24/19 10:17	01/24/19 21:55
Malathion	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Metalaxyl	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Methiocarb	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Methomyl	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Methyl parathion	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 21:55

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Quality Control

Pesticide Analysis (Continued)

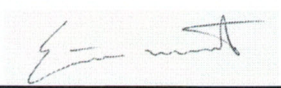
Batch: 1904046 - 202 (Continued)

Blank(1904046-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
MGK-264	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 21:55
Myclobutanil	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Naled	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Oxamyl	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Paclobutrazol	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Permethrins	< LOQ	0.2	ppm		01/24/19 10:17	01/24/19 21:55
Phosmet	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Piperonyl butoxide	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Prallethrin	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Propiconazole	< LOQ	0.2	ppm		01/24/19 10:17	01/24/19 21:55
Propoxur	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Pyrethrins	< LOQ	0.08	ppm		01/24/19 10:17	01/24/19 20:31
Pyridaben	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Spinosad	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Spiromesifen	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Spirotetramat	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Spiroxamine	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Tebuconazole	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Thiacloprid	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Thiamethoxam	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31
Trifloxystrobin	< LOQ	0.01	ppm		01/24/19 10:17	01/24/19 20:31

LCS(1904046-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Abamectin	123	0.08	ppm	7-141	01/24/19 10:17	01/24/19 20:52
DDVP (Dichlorvos)	95.9	0.01	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Acephate	110	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Acequinocyl	16.6	0.08	ppm	0-111	01/24/19 10:17	01/24/19 20:52
Acetamiprid	101	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Aldicarb	97.3	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Azoxystrobin	96.5	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Bifenazate	88.8	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Bifenthrin	83.4	0.02	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Boscalid	82.1	0.01	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Carbaryl	120	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Carbofuran	106	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Chlorantraniliprole	117	0.01	ppm	26-131	01/24/19 10:17	01/24/19 20:52
Chlorfenapyr	97.3	0.2	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Chlorpyrifos	95.0	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52



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Pesticide Analysis (Continued)

Batch: 1904046 - 202 (Continued)

LCS(1904046-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Clofentezine	33.1	0.01	ppm	35-118	01/24/19 10:17	01/24/19 20:52
Cyfluthrin	76.4	0.08	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Cypermethrin	91.5	0.2	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Daminozide	26.9	0.03	ppm	0-100	01/24/19 10:17	01/24/19 20:52
Diazinon	94.3	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Dimethoate	94.5	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Ethoprophos	88.7	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Etofenprox	113	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Etoxazole	92.0	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Fenoxycarb	109	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Fenpyroximate	76.0	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Fipronil	88.5	0.02	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Flonicamid	78.4	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Fludioxonil	105	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Hexythiazox	90.4	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Imazalil	97.1	0.01	ppm	31-103	01/24/19 10:17	01/24/19 20:52
Imidacloprid	113	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Kresoxim-methyl	90.6	0.02	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Malathion	117	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Metalaxyl	94.5	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Methiocarb	116	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Methomyl	97.1	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Methyl parathion	95.2	0.01	ppm	70-130	01/24/19 10:17	01/24/19 22:17
MGK-264	92.7	0.01	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Myclobutanil	126	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Naled	74.4	0.01	ppm	0-103	01/24/19 10:17	01/24/19 20:52
Oxamyl	96.9	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Paclobutrazol	114	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Permethrins	72.5	0.2	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Phosmet	102	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Piperonyl butoxide	76.3	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Prallethrin	89.0	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Propiconazole	94.4	0.2	ppm	70-130	01/24/19 10:17	01/24/19 22:17
Propoxur	106	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Pyrethrins	96.7	0.08	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Pyridaben	93.1	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Spinosad	55.3	0.01	ppm	24-91	01/24/19 10:17	01/24/19 20:52
Spiromesifen	97.1	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52

Eric Wendt
Chief Science Officer - 1/25/2019

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Quality Control

Pesticide Analysis (Continued)

Batch: 1904046 - 202 (Continued)

LCS(1904046-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Spirotetramat	113	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Spiroxamine	83.8	0.01	ppm	15-95	01/24/19 10:17	01/24/19 20:52
Tebuconazole	108	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Thiacloprid	101	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Thiamethoxam	104	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52
Trifloxystrobin	94.3	0.01	ppm	70-130	01/24/19 10:17	01/24/19 20:52

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Quality Control

Solvent Analysis

Batch: 1904043 - 205

Blank(1904043-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
Acetonitrile	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Benzene	< LOQ	0.5000	ppm		01/24/19 09:23	01/25/19 08:51
Butanes	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
2-Butanol	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
Cumene	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Cyclohexane	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Dichloromethane	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
1,4-Dioxane	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
2-Ethoxyethanol	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Ethyl acetate	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
Ethyl benzene	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Ethylene glycol	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Ethylene oxide	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Ethyl ether	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
Heptane	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
Hexanes	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Isopropyl acetate	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
Methanol	< LOQ	100.0	ppm		01/24/19 09:23	01/25/19 08:51
Pentanes	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
Propane	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
2-Propanol (IPA)	< LOQ	1000	ppm		01/24/19 09:23	01/25/19 08:51
Tetrahydrofuran	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Toluene	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51
Xylenes	< LOQ	50.00	ppm		01/24/19 09:23	01/25/19 08:51

LCS(1904043-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	98.7	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Acetonitrile	101	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Benzene	103	0.5000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
n-Butane	104	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Butanes	105	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
2-Butanol	94.8	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Cumene	98.1	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Cyclohexane	101	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Dichloromethane	98.6	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
1,4-Dioxane	105	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
2-Ethoxyethanol	105	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57

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Quality Control

Solvent Analysis (Continued)

Batch: 1904043 - 205 (Continued)

LCS(1904043-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Ethyl acetate	98.2	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Ethyl benzene	96.7	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Ethylene glycol	132	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Ethylene oxide	97.9	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Ethyl ether	99.5	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Heptane	98.1	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
n-Hexane	101	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Hexanes	103	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
iso-Butane	105	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Isopropyl acetate	97.7	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
iso-Pentane	102	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Methanol	92.5	100.0	ppm	70-130	01/24/19 09:23	01/24/19 13:57
2-Methylpentane	102	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
3-Methylpentane	101	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
neo-Pentane	105	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
n-Pentane	102	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Pentanes	103	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Propane	103	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
2-Propanol (IPA)	97.4	1000	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Tetrahydrofuran	98.1	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Toluene	100	50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57
Xylenes		50.00	ppm	70-130	01/24/19 09:23	01/24/19 13:57

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