

Rascal OG

Lab ID: 1810014-01

ANM Inc.

030-1004164663A

METRC Batch ID: 20865

METRC Sample Tag: 1A4010300008B11000020896

Date Sampled: 10/02/18

Date Printed: 10/4/18

Potency Analysis

Analytical Method: De Backer, Journal of Chromatography b2009.11.004 - SOP 19 and 20

Cannabinoids (% weight)

Cannabinoids (% weight)	Notes
THCA	66.8
delta 9-THC	4.70
delta 8-THC	< LOQ
CBGA	0.716
CBDA	0.306
CBD	< LOQ
CBN	< LOQ
CBG	< LOQ
CBC	< LOQ

Total THC

63.3 %

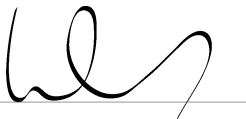
Total CBD

0.268 %

<LOQ - Results below the Limit of Quantitation

Acid form of THCCBD are decarboxylated by heat, lose 12% of original mass as CO₂. Result = *bioactive*

Total Cannabinoid accounts for decarboxylation and moisture content Total THC = $[(THCA \times 0.877) + \Delta 9THC] / (100\% - MC)$



Harrison Cassady

Lab Director

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Laboratory ID: 1810014-01

Rascal OG

Date Sampled: 10/02/18 11:32

Date Accepted: 10/02/18

Results Valid Until: 10/02/19

ANM Inc.

Sample ID: 1810014-01

Matrix: Extracts and Concentrates

M #:

Pesticide Analysis in PPM

Date/Time Extracted: 10/03/18 08:10

Date/Time GC Analyzed:

Analysis Method/SOP: *** DEFAULT

Date/Time LC Analyzed:

SPECIFIC METHOD

Batch Identification: B18J016

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.2443	
Acephate	< LOQ	0.4	0.1954	Organophosphate Insecticide
Acequinocyl	< LOQ	2	0.9771	
Acetamiprid	< LOQ	0.2	0.09771	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.1954	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.09771	
Biflennazate	< LOQ	0.2	0.09771	Unclassified insecticide
Bifenthrin	< LOQ	0.2	0.09771	
Boscalid	< LOQ	0.4	0.1954	Anilide fungicide
Carbaryl	< LOQ	0.2	0.09771	Carbamate insecticide
Carbofluran	< LOQ	0.2	0.09771	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.09771	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.4886	Pyrazole insecticide
Chlorpyrifos	< LOQ	0.2	0.09771	Organophosphate Insecticide
Cloflentezine	< LOQ	0.2	0.09771	
Cyfluthrin	< LOQ	1	0.4886	
Cypermethrin	< LOQ	1	0.4886	
Daminozide	< LOQ	1	0.4886	
DDVP (Dichlorvos)	< LOQ	1	0.4886	
Diazinon	< LOQ	0.2	0.09771	Organophosphate Insecticide
Dimethoate	< LOQ	0.2	0.09771	
Ethoprophos	< LOQ	0.2	0.09771	
Etofenprox	< LOQ	0.4	0.1954	
Etoxazole	< LOQ	0.2	0.09771	Unclassified miticide
Fenoxycarb	< LOQ	0.2	0.09771	
Fenpyroximate	< LOQ	0.4	0.1954	
Fipronil	< LOQ	0.4	0.1954	Pyrazole insecticide



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Pesticide Analysis in PPM

Date/Time Extracted: 10/03/18 08:10

Date/Time GC Analyzed:

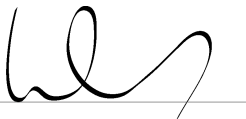
Analysis Method/SOP: *** DEFAULT

Date/Time LC Analyzed:

SPECIFIC METHOD

Batch Identification:B18J016

Analyte	Result	Action Level	LOQ	Type
Flonicamid	< LOQ	1	0.4886	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.1954	non-systemic flungicide
Hexythiazox	< LOQ	1	0.4886	
Imazalil	< LOQ	0.2	0.09771	Azole flungicide
Imidacloprid	< LOQ	0.4	0.1954	Neonicotinoid insectide
Kresoxim-methyl	< LOQ	0.4	0.1954	
Malathion	< LOQ	0.2	0.09771	
Metalaxyl	< LOQ	0.2	0.09771	
Methiocarb	< LOQ	0.2	0.09771	Carbamate insecticide
Methomyl	< LOQ	0.4	0.1954	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.09771	
MGK-264	< LOQ	0.2	0.09771	
Myclobutanil	< LOQ	0.2	0.09771	Azole flungicide
Naled	< LOQ	0.5	0.2443	
Oxamyl	< LOQ	1	0.8550	Carbamate insecticide
Paclobutrazol	< LOQ	0.4	0.1954	Azole plant growth regulator
Permethrins	< LOQ	0.2	0.09771	
Phosmet	< LOQ	0.2	0.09771	Organophosphate insecticide
Piperonyl butoxide	0.9026	2	0.4886	
Prallethrin	< LOQ	0.2	0.09771	
Propiconazole	< LOQ	0.4	0.1954	
Propoxur	< LOQ	0.2	0.09771	Carbamate insecticide
Pyrethrins	< LOQ	1	0.4886	
Pyridaben	< LOQ	0.2	0.09771	Unclassified insecticide
Spinosad	< LOQ	0.2	0.09771	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.09771	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.09771	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.1954	Unclassified flungicide



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Matrix: Extracts and Concentrates

M #:

Pesticide Analysis in PPM

Date/Time Extracted: 10/03/18 08:10

Date/Time GC Analyzed:

Analysis Method/SOP: *** DEFAULT

Date/Time LC Analyzed:

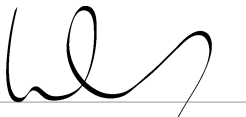
SPECIFIC METHOD

Batch Identification: B18J016

Analyte	Result	Action Level	LOQ	Type
Tebuconazole	< LOQ	0.4	0.1954	
Thiacloprid	< LOQ	0.2	0.09771	
Thiamethoxam	< LOQ	0.2	0.09771	Neonicotinoid insectide
Trifloxystrobin	< LOQ	0.2	0.09771	Strobin flungicide

<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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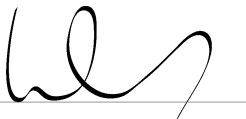
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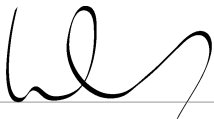
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Laboratory ID: 1810014-01

Residual Solvents

Analysis Method/SOP: RS

Solvent	Results in ppm	LOQ	Action Level	Notes
Acetone	83.42	1.000	5000	
Acetonitrile	< LOQ	1.000	400	
Benzene	< LOQ	0.01000	2	
n-Butane	< LOQ	1.000	5000	
Butanes	< LOQ	1.000	5000	
2-Butanol	< LOQ	1.000	5000	
Cumene	< LOQ	1.000	70	
Cyclohexane	< LOQ	1.000	3880	
Dichloromethane	< LOQ	1.000	600	
1,4-Dioxane	< LOQ	1.000	380	
2-Ethoxyethanol	< LOQ	1.000	160	
Ethyl acetate	< LOQ	1.000	5000	
Ethyl benzene	< LOQ	1.000	2170	
Ethylene glycol	< LOQ	5.000	620	
Ethylene oxide	< LOQ	1.000	50	
Ethyl ether	< LOQ	1.000	5000	
Heptane	< LOQ	1.000	5000	
Hexanes	17.13	1.000	290	
Isopropyl acetate	< LOQ	1.000	5000	
Methanol	< LOQ	1.000	3000	
Pentanes	19.60	1.000	5000	
Propane	< LOQ	1.000	5000	
2-Propanol (IPA)	< LOQ	1.000	5000	
Tetrahydrofluran	< LOQ	1.000	720	
Toluene	< LOQ	1.000	890	
Xylenes	< LOQ	1.000	2170	



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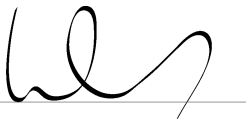
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Quality Control
Potency

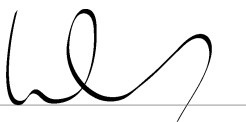
Batch: B18J014 - Potency

Blank(B18J014-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	
delta 9-THC	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	
CBGA	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	
CBDA	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	
CBD	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	
CBN	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	
CBG	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	
delta 8-THC	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	
CBC	< LOQ	0.210	%		10/02/18 20:41	10/03/18 06:49	

LCS(B18J014-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	94.1	0.210	%	80-120	10/02/18 20:41	10/03/18 07:00	
delta 9-THC	84.4	0.210	%	80-120	10/02/18 20:41	10/03/18 07:00	
CBDA	107	0.210	%	80-120	10/02/18 20:41	10/03/18 07:00	
CBD	93.9	0.210	%	80-120	10/02/18 20:41	10/03/18 07:00	



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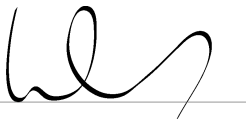
Laboratory ID: 1810014-01

Quality Control Pesticide Analysis

Batch: B18J016 - Pest

Blank(B18J016-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.2500	ppm		10/03/18 08:10	10/03/18 17:37	
Acephate	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Acequinocyl	< LOQ	1.000	ppm		10/03/18 08:10	10/03/18 17:37	
Acetamiprid	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Aldicarb	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Azoxystrobin	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Biflennazate	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Biflenthin	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Boscalid	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Carbaryl	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Carbofluran	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Chlorantraniliprole	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Chlorfenapyr	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
Chlorpyrifos	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Clofentezine	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Cyfluthrin	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
Cypermethrin	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
Daminozide	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
DDVP (Dichlorvos)	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
Diazinon	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Dimethoate	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Ethoprophos	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Etofenprox	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Etoxazole	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Fenoxycarb	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Fenpyroximate	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Fipronil	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Fonicamid	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
Fludioxonil	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Hexythiazox	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
Imazalil	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Imidacloprid	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Kresoxim-methyl	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Malathion	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	



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Quality Control Pesticide Analysis (Continued)

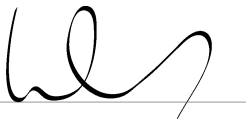
Batch: B18J016 - Pest (Continued)

Blank(B18J016-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Metalaxyl	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Methiocarb	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Methomyl	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Methyl parathion	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
MGK-264	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Myclobutanil	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Naled	< LOQ	0.2500	ppm		10/03/18 08:10	10/03/18 17:37	
Oxamyl	< LOQ	0.8750	ppm		10/03/18 08:10	10/03/18 17:37	
Paclobutrazol	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Permethrins	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Phosmet	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Piperonyl butoxide	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
Prallethrin	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Propiconazole	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Propoxur	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Pyrethrins	< LOQ	0.5000	ppm		10/03/18 08:10	10/03/18 17:37	
Pyridaben	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Spinosad	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Spiromesiflen	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Spirotetramat	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Spiroxamine	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Tebuconazole	< LOQ	0.2000	ppm		10/03/18 08:10	10/03/18 17:37	
Thiacloprid	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Thiamethoxam	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	
Trifloxystrobin	< LOQ	0.1000	ppm		10/03/18 08:10	10/03/18 17:37	

LCS(B18J016-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	88.2	0.2500	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Acephate	87.1	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Acequinocyl	83.5	1.000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Acetamiprid	86.2	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Aldicarb	93.9	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Azoxystrobin	94.6	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Biflennazate	83.6	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	



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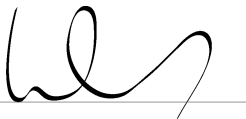
Laboratory ID: 1810014-01

Quality Control Pesticide Analysis (Continued)

Batch: B18J016 - Pest (Continued)

LCS(B18J016-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Bifenthrin	100	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Boscalid	86.6	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Carbaryl	88.4	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Carbofluran	91.8	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Chlorantraniliprole	90.7	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Chlorfenapyr	117	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Chlorpyrifos	97.8	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Clofentezine	86.5	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Cyfluthrin	90.3	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Cypermethrin	111	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Daminozide	72.8	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
DDVP (Dichlorvos)	93.1	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Diazinon	90.8	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Dimethoate	94.4	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Ethoprophos	89.7	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Etofenprox	91.1	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Etoxazole	92.1	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Fenoxycarb	75.2	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Fenpyroximate	87.5	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Fipronil	94.9	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Flonicamid	94.6	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Fludioxonil	84.3	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Hexythiazox	87.1	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Imazalil	77.6	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Imidacloprid	90.8	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Kresoxim-methyl	82.5	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Malathion	93.3	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Metalaxyl	89.9	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Methiocarb	90.6	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Methomyl	92.2	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Methyl parathion	111	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
MGK-264	88.9	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Myclobutanil	88.8	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Naled	73.6	0.2500	ppm	70-130	10/03/18 08:10	10/03/18 17:16	



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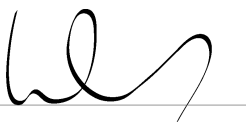
Laboratory ID: 1810014-01

Quality Control Pesticide Analysis (Continued)

Batch: B18J016 - Pest (Continued)

LCS(B18J016-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Oxamyl	91.7	0.8750	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Paclobutrazol	80.1	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Permethrins	92.1	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Phosmet	83.7	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Piperonyl butoxide	94.2	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Prallethrin	86.4	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Propiconazole	84.8	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Propoxur	98.0	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Pyrethrins	85.3	0.5000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Pyridaben	93.5	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Spinosad	82.9	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Spiromesifen	86.6	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Spirotetramat	88.4	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Spiroxamine	80.1	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Tebuconazole	87.4	0.2000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Thiacloprid	88.3	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Thiamethoxam	91.3	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	
Trifloxystrobin	96.1	0.1000	ppm	70-130	10/03/18 08:10	10/03/18 17:16	



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Quality Control Solvent Analysis

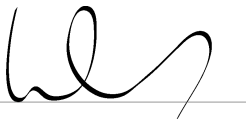
Batch: B18J015 - ResSolv

Blank(B18J015-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Acetonitrile	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Benzene	< LOQ	0.01000	ppm		10/02/18 22:02	10/03/18 19:51	
n-Butane	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Butanes	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
2-Butanol	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Cumene	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Cyclohexane	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Dichloromethane	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
1,4-Dioxane	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
2-Ethoxyethanol	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Ethyl acetate	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Ethyl benzene	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Ethylene glycol	< LOQ	5.000	ppm		10/02/18 22:02	10/03/18 19:51	
Ethylene oxide	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Ethyl ether	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Heptane	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Hexanes	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Isopropyl acetate	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Methanol	18.18	1.000	ppm		10/02/18 22:02	10/03/18 19:51	B2
Pentanes	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Propane	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
2-Propanol (IPA)	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Tetrahydrofuran	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Toluene	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	
Xylenes	< LOQ	1.000	ppm		10/02/18 22:02	10/03/18 19:51	

LCS(B18J015-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	112	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Acetonitrile	103	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Benzene	118	0.01000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
n-Butane	86.4	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Butanes		1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
2-Butanol	106	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	



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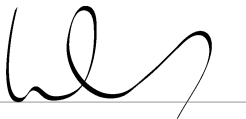
Laboratory ID: 1810014-01

Quality Control Solvent Analysis (Continued)

Batch: B18J015 - ResSolv (Continued)

LCS(B18J015-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cumene	136	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Cyclohexane	112	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Dichloromethane	121	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
1,4-Dioxane	103	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
2-Ethoxyethanol	105	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Ethyl acetate	101	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Ethyl benzene	137	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Ethylene glycol	119	5.000	ppm	50-200	10/02/18 22:02	10/03/18 20:25	
Ethylene oxide	103	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Ethyl ether	99.4	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Heptane	101	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
n-Hexane	106	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Hexanes		1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Isopropyl acetate	101	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Methanol	122	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Pentanes		1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Propane	61.5	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
2-Propanol (IPA)	104	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Tetrahydrofuran	101	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Toluene	131	1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	
Xylenes		1.000	ppm	50-150	10/02/18 22:02	10/03/18 20:25	



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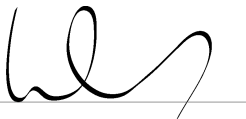
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Laboratory ID: 1810014-01

Notes and Definitions

- B Analyte detected in method blank, but not associated samples.
 - B2 Analyte detected in sample and associate method blank.
 - C Interference due to coelution.
 - D Initial result exceeded calibration range, reported data are based on analysis of a dilution
 - H Non-homogenous sample matrix affecting RPD and/or QC.
 - I Manual Integration was performed
 - L Duplicate sample relative percent difference (RPD) exceeds QC limits.
 - M Anomalous results due to matrix interference
 - P Peaks manually split.
 - Q1 QC out of limits but still ok
 - Q2 Quality Control outside QC limits. Data considered estimate.
 - Q3 CCV was above the acceptance criteria. Non-detect samples are considered acceptable.
 - Q4 CCV was below the acceptance criteria, however the sample still exceeds the regulatory limit.
 - R Marginal Exceedence.
 - U Reported result is an estimate. The analyte was detected above the calibration range.
 - X Problems with initial analysis, reported data are from reinjection of prepared sample
- <LOQ - Results below the Limit of Quantitation - Compound not detected



Harrison Cassady
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