

## Iconic - PHK

Lab ID: 1901018-01

Odin

030-100351367B7

METRC Batch ID: 20863

METRC Sample Tag: 1A40103000061AB000020873

Date Sampled: 01/03/19

Date Printed: 01/16/19

## Potency Analysis

Analytical Method: De Backer, Journal of Chromatography b.2009. 11.004 - SOP 19 and 20

### Cannabinoids (% weight)

Cannabinoids	(% weight)	Notes
THCA	31.1	
delta 9-THC	41.4	
delta 8-THC	< LOQ	
CBGA	1.99	
CBDA	0.354	
CBD	0.915	
CBN	0.929	
CBG	2.19	
CBC	0.266	

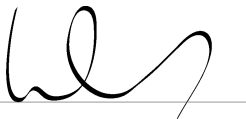
**Total THC**  
**68.7 %**

**Total CBD**  
**1.23 %**

<LOQ - Results below the Limit of Quantitation

Acid form of THC/CBD are decarboxylated by heat, lose 12% of original mass as CO<sub>2</sub>. Result = \*bioactive\*

"Total" Cannabinoid accounts for decarboxylation and moisture content. Total THC = [(THCA×0.877) + Δ9THC] / (100%-MC)



Harrison Cassady

Lab Director

## Iconic - PHK

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030-100351367B7

Laboratory ID: 1901018-01

## Iconic - PHK

Date Sampled: 01/03/19 16:45

Date Accepted: 01/03/19

Results Valid Until: 01/03/20

*Odin*

Sample ID: 1901018-01

Matrix: Distillate

M #:

### Pesticide Analysis in PPM

Date/Time Extracted: 01/07/19 15:33

Date/Time GC Analyzed:

Analysis Method/SOP: \*\*\* DEFAULT

Date/Time LC Analyzed:

SPFCIFIC

Batch Identification: B19A030

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.2458	Avermectin insecticide
Acephate	< LOQ	0.4	0.1967	Organophosphate Insecticide
Acequinocyl	< LOQ	2	0.9833	Quinoline insecticide
Acetamiprid	< LOQ	0.2	0.09833	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.1967	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.09833	Strobin fungicide
Bifenazate	< LOQ	0.2	0.09833	Carbazate miticide
Bifenthrin	< LOQ	0.2	0.09833	Pyrethroid insecticide
Boscalid	< LOQ	0.4	0.1967	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.09833	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.09833	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.09833	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.4916	Pyrrole insecticide
Chlorpyrifos	< LOQ	0.2	0.09833	Organophosphate Insecticide
Clofentezine	< LOQ	0.2	0.09833	Tetrazine miticide
Cyfluthrin	< LOQ	1	0.4916	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.4916	Pyrethroid insecticide
Daminozide	< LOQ	1	0.4916	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.4916	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.09833	Organophosphate Insecticide
Dimethoate	< LOQ	0.2	0.09833	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.09833	Organophosphate insecticide
Etofenprox	< LOQ	0.4	0.1967	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.09833	Oxazoline insecticide
Fenoxycarb	< LOQ	0.2	0.09833	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.1967	Pyrazolium miticide
Fipronil	< LOQ	0.4	0.1967	Pyrazole insecticide
Fonicamid	< LOQ	1	0.4916	Pyridinecarboxamide insecticide



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Matrix: Distillate

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### Pesticide Analysis in PPM

Date/Time Extracted: 01/07/19 15:33

Date/Time GC Analyzed:

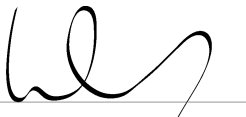
Analysis Method/SOP: \*\*\* DEFAULT

Date/Time LC Analyzed:

SPFCIFIC

Batch Identification: B19A030

Analyte	Result	Action Level	LOQ	Type
Fludioxonil	< LOQ	0.4	0.1967	Benzodioxole fungicide
Hexythiazox	< LOQ	1	0.4916	Heterocyclic miticide
Imazalil	< LOQ	0.2	0.09833	Imidazole fungicide
Imidacloprid	< LOQ	0.4	0.1967	Neonicotinoid insectide
Kresoxim-methyl	< LOQ	0.4	0.1967	Strobilurin fungicide
Malathion	< LOQ	0.2	0.09833	Organophosphate insecticide
Metalaxyl	< LOQ	0.2	0.09833	Benzenoid fungicide
Methiocarb	< LOQ	0.2	0.09833	Carbamate insecticide
Methomyl	< LOQ	0.4	0.1967	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.09833	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.09833	Pesticide synergist
Myclobutanil	< LOQ	0.2	0.09833	Triazole fungicide
Naled	< LOQ	0.5	0.2458	Organophosphate insecticide
Oxamyl	< LOQ	1	0.8604	Carbamate insecticide
Paclobutrazol	< LOQ	0.4	0.1967	Triazole fungicide
Permethrins	< LOQ	0.2	0.09833	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.09833	Organophosphate insecticide
Piperonyl butoxide	< LOQ	2	0.4916	Pesticide synergist
Prallethrin	< LOQ	0.2	0.09833	Pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.1967	Triazole fungicide
Propoxur	< LOQ	0.2	0.09833	Carbamate insecticide
Pyrethrins	< LOQ	1	0.4916	Pyrethroid insecticide
Pyridaben	< LOQ	0.2	0.09833	Pyridazinone insecticide
Spinosad	< LOQ	0.2	0.09833	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.09833	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.09833	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.1967	Spiroketalamine fungicide
Tebuconazole	< LOQ	0.4	0.1967	Triazole fungicide



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Matrix: Distillate

M #:

### Pesticide Analysis in PPM

Date/Time Extracted: 01/07/19 15:33

Date/Time GC Analyzed:

Analysis Method/SOP: \*\*\* DEFAULT

Date/Time LC Analyzed:

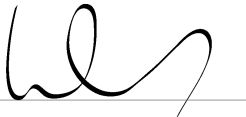
SPECIFIC

Batch Identification: B19A030

Analyte	Result	Action Level	LOQ	Type
Thiacloprid	< LOQ	0.2	0.09833	Neonicotinoid insecticide
Thiamethoxam	< LOQ	0.2	0.09833	Neonicotinoid insecticide
Trifloxystrobin	< LOQ	0.2	0.09833	Strobin 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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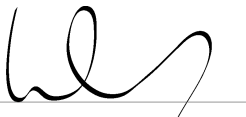
Laboratory ID: 1901018-01

### Residual Solvents

Analysis Method/SOP: RS

Solvent	Results in ppm	LOQ	Action Level	Notes
Acetone	< LOQ	250.0	5000	
Acetonitrile	< LOQ	100.0	400	
Benzene	< LOQ	0.5000	2	
2-Butanol	< LOQ	50.00	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	50.00	5000	
Ethyl benzene	< LOQ	50.00	0	
Ethylene glycol	< LOQ	250.0	620	
Ethylene oxide	< LOQ	50.00	50	
Ethyl ether	< LOQ	50.00	5000	
Heptane	< LOQ	50.00	5000	
Isopropyl acetate	< LOQ	50.00	5000	
Methanol	< LOQ	250.0	3000	
Propane	< LOQ	50.00	5000	
2-Propanol (IPA)	< LOQ	250.0	5000	
Tetrahydrofuran	< LOQ	50.00	720	
Toluene	< LOQ	50.00	890	
Butanes	< LOQ	250.0	5000	
Hexanes	< LOQ	50.00	290	
Pentanes	< LOQ	50.00	5000	
Xylenes	< LOQ	50.00	2170	

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



**Harrison Cassady**  
Lab Director

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## Quality Control Potency

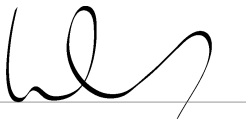
**Batch: B19A024 - Potency**

### Blank(B19A024-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	
delta 9-THC	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	
CBGA	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	
CBDA	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	
CBD	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	
CBN	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	
CBG	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	
delta 8-THC	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	
CBC	< LOQ	0.113	%		01/06/19 15:48	01/06/19 19:28	

### LCS(B19A024-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	105	0.119	%	85-115	01/06/19 15:48	01/06/19 19:39	
delta 9-THC	97.9	0.119	%	85-115	01/06/19 15:48	01/06/19 19:39	
CBDA	97.4	0.119	%	85-115	01/06/19 15:48	01/06/19 19:39	
CBD	94.9	0.119	%	85-115	01/06/19 15:48	01/06/19 19:39	



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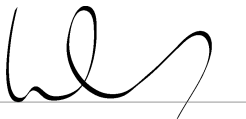
Laboratory ID: 1901018-01

## Quality Control Pesticide Analysis

Batch: B19A030 - Pest

### Blank(B19A030-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.2500	ppm		01/07/19 15:33	01/07/19 22:05	
Acephate	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Acequinocyl	< LOQ	1.000	ppm		01/07/19 15:33	01/07/19 22:05	
Acetamiprid	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Aldicarb	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Azoxystrobin	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Bifenazate	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Bifenthrin	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Boscalid	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Carbaryl	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Carbofuran	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Chlorantraniliprole	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Chlorfenapyr	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
Chlorpyrifos	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Clofentezine	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Cyfluthrin	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
Cypermethrin	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
Daminozide	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
DDVP (Dichlorvos)	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
Diazinon	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Dimethoate	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Ethoprophos	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Etofenprox	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Etoxazole	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Fenoxycarb	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Fenpyroximate	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Fipronil	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Fonicamid	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
Fludioxonil	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Hexythiazox	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
Imazalil	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Imidacloprid	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Kresoxim-methyl	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Malathion	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	



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## Quality Control Pesticide Analysis (Continued)

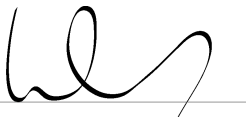
Batch: B19A030 - Pest (Continued)

### Blank(B19A030-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Metalaxyl	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Methiocarb	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Methomyl	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Methyl parathion	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
MGK-264	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Myclobutanil	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Naled	< LOQ	0.2500	ppm		01/07/19 15:33	01/07/19 22:05	
Oxamyl	< LOQ	0.8750	ppm		01/07/19 15:33	01/07/19 22:05	
Paclobutrazol	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Permethrins	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Phosmet	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Piperonyl butoxide	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
Prallethrin	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Propiconazole	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Propoxur	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Pyrethrins	< LOQ	0.5000	ppm		01/07/19 15:33	01/07/19 22:05	
Pyridaben	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Spinosad	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Spiromesifen	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Spirotetramat	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Spiroxamine	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Tebuconazole	< LOQ	0.2000	ppm		01/07/19 15:33	01/07/19 22:05	
Thiacloprid	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Thiamethoxam	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	
Trifloxystrobin	< LOQ	0.1000	ppm		01/07/19 15:33	01/07/19 22:05	

### LCS(B19A030-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	82.6	0.2500	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Acephate	94.4	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Acequinocyl	81.2	1.000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Acetamiprid	92.3	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Aldicarb	91.9	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Azoxystrobin	82.4	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Bifenazate	91.7	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	



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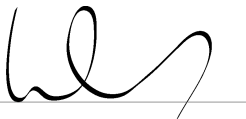
030-100351367B7

Laboratory ID: 1901018-01

## Quality Control Pesticide Analysis (Continued)

Batch: B19A030 - Pest (Continued)

LCS(B19A030-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Bifenthrin	78.9	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Boscalid	86.4	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Carbaryl	86.7	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Carbofuran	92.1	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Chlorantraniliprole	87.7	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Chlorfenapyr	55.8	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	LCS, Q2
Chlorpyrifos	85.0	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Clofentezine	83.6	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Cyfluthrin	87.0	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Cypermethrin	82.5	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Daminozide	98.0	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
DDVP (Dichlorvos)	84.5	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Diazinon	88.8	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Dimethoate	90.4	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Ethoprophos	88.9	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Etofenprox	80.8	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Etoxazole	85.5	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Fenoxycarb	89.4	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Fenpyroximate	79.9	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Fipronil	86.7	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Flonicamid	94.2	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Fludioxonil	80.7	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Hexythiazox	86.9	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Imazalil	89.3	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Imidacloprid	92.0	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Kresoxim-methyl	95.0	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Malathion	89.9	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Metalaxyl	86.4	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Methiocarb	81.5	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Methomyl	90.8	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Methyl parathion	95.4	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
MGK-264	87.0	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Myclobutanil	84.5	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Naled	86.7	0.2500	ppm	70-130	01/07/19 15:33	01/07/19 22:27	



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030-100351367B7

Laboratory ID: 1901018-01

## Quality Control Pesticide Analysis (Continued)

Batch: B19A030 - Pest (Continued)

LCS(B19A030-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Oxamyl	94.9	0.8750	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Paclobutrazol	86.4	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Permethrins	81.6	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Phosmet	88.1	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Piperonyl butoxide	86.0	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Prallethrin	85.4	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Propiconazole	82.5	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Propoxur	89.6	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Pyrethrins	201	0.5000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Pyridaben	82.8	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Spinosad	83.1	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Spiromesifen	83.0	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Spirotetramat	85.5	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Spiroxamine	88.0	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Tebuconazole	89.2	0.2000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Thiacloprid	93.4	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Thiamethoxam	93.4	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	
Trifloxystrobin	83.7	0.1000	ppm	70-130	01/07/19 15:33	01/07/19 22:27	



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## Quality Control Solvent Analysis

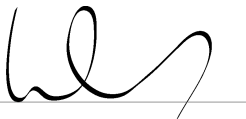
Batch: B19A032 - ResSolv

### Blank(B19A032-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	250.0	ppm		01/07/19 17:00	01/15/19 13:09	
Acetonitrile	< LOQ	100.0	ppm		01/07/19 17:00	01/15/19 13:09	
Benzene	< LOQ	0.5000	ppm		01/07/19 17:00	01/15/19 13:09	
2-Butanol	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Cumene	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Cyclohexane	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Dichloromethane	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
1,4-Dioxane	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
2-Ethoxyethanol	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Ethyl acetate	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Ethyl benzene	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Ethylene glycol	< LOQ	250.0	ppm		01/07/19 17:00	01/15/19 13:09	
Ethylene oxide	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Ethyl ether	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Heptane	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Isopropyl acetate	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Methanol	< LOQ	250.0	ppm		01/07/19 17:00	01/15/19 13:09	
Propane	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
2-Propanol (IPA)	< LOQ	250.0	ppm		01/07/19 17:00	01/15/19 13:09	
Tetrahydrofuran	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Toluene	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Butanes	< LOQ	250.0	ppm		01/07/19 17:00	01/15/19 13:09	
Hexanes	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Pentanes	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	
Xylenes	< LOQ	50.00	ppm		01/07/19 17:00	01/15/19 13:09	

### LCS(B19A032-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	103	250.0	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Acetonitrile	94.5	100.0	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Benzene	92.5	0.5000	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
n-Butane	99.3	250.0	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
2-Butanol	91.5	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Cumene	89.9	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Cyclohexane	99.6	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	



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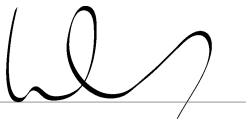
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Laboratory ID: 1901018-01

## Quality Control Solvent Analysis (Continued)

Batch: B19A032 - ResSolv (Continued)

LCS(B19A032-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Dichloromethane	96.6	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
2,2-Dimethylbutane	104	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
2,3-Dimethylbutane 2-Meth	94.2	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
1,4-Dioxane	99.4	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
2-Ethoxyethanol	95.0	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Ethyl acetate	91.8	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Ethyl benzene	97.0	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Ethylene glycol	95.4	250.0	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Ethylene oxide	102	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Ethyl ether	102	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Heptane	92.4	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
n-Hexane	100	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
iso-Butane	98.4	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Isopropyl acetate	90.1	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
iso-Pentane	98.0	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Methanol	107	250.0	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
3-Methylpentane	101	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
neo-Pentane	105	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
n-Pentane	97.7	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Propane	102	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
2-Propanol (IPA)	92.5	250.0	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Tetrahydrofuran	92.6	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Toluene	95.2	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
m,p Xylene		50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
o-Xylene	96.8	50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Butanes		250.0	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Hexanes		50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Pentanes		50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	
Xylenes		50.00	ppm	50-150	01/07/19 17:00	01/15/19 13:40	



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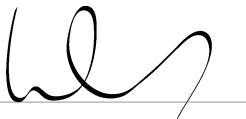
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### Notes and Definitions

- B Analyte detected in method blank, but not associated samples.
  - B2 Analyte detected in sample and associate method blank.
  - C Interference due to co-elution.
  - 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



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