

Viper FD

Lab ID: 1811090-02

ANM Inc.

030-1004164663A

Harvest / Process Lot: 1424

METRC Batch ID: 28275

METRC Sample Tag: 1A4010300008B11000028286

Date Sampled: 11/16/18

Date Printed: 11/19/18

Potency Analysis

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

Cannabinoids (% weight)

Cannabinoids (% weight)	Notes
THCA	74.0
delta 9-THC	2.13
delta 8-THC	< LOQ
CBGA	1.71
CBDA	0.766
CBD	< LOQ
CBN	< LOQ
CBG	< LOQ
CBC	< LOQ

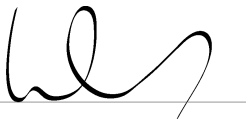
Total THC
67.0 %

Total CBD
0.672 %

<LOQ - Results below the Limit of Quantitation

Acid form of THC/CBD 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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Date Sampled: 11/16/18 11:52

Date Accepted: 11/16/18

Results Valid Until: 11/16/19

ANM Inc.

Sample ID: 1811090-02

Matrix: Shatter

M #:

Pesticide Analysis in PPM

Date/Time Extracted: 11/16/18 10:29

Date/Time GC Analyzed:

Analysis Method/SOP: *** DEFAULT

Date/Time LC Analyzed:

SPECIFIC METHOD

Batch Identification: B18K091

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.2317	Avermectin insecticide
Acephate	< LOQ	0.4	0.1853	Organophosphate Insecticide
Acequinocyl	< LOQ	2	0.9266	Quinoline insecticide
Acetamiprid	< LOQ	0.2	0.09266	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.1853	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.09266	Strobin flungicide
Biflennazate	< LOQ	0.2	0.09266	Carbazate miticide
Biflenthin	< LOQ	0.2	0.09266	Pyrethroid insecticide
Boscalid	< LOQ	0.4	0.1853	Carboxamide flungicide
Carbaryl	< LOQ	0.2	0.09266	Carbamate insecticide
Carbofluran	< LOQ	0.2	0.09266	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.09266	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.4633	Pyrrole insecticide
Chlorpyriflos	< LOQ	0.2	0.09266	Organophosphate Insecticide
Cloflentezine	< LOQ	0.2	0.09266	Tetrazine miticide
Cyfluthrin	< LOQ	1	0.4633	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.4633	Pyrethroid insecticide
Daminozide	< LOQ	1	0.4633	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.4633	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.09266	Organophosphate Insecticide
Dimethoate	< LOQ	0.2	0.09266	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.09266	Organophosphate insecticide
Etoflenprox	< LOQ	0.4	0.1853	Pyrethroid insecticide
Ettoxazole	< LOQ	0.2	0.09266	Oxazoline insecticide
Fenoxycarb	< LOQ	0.2	0.09266	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.1853	Pyrazolium miticide
Fipronil	< LOQ	0.4	0.1853	Pyrazole insecticide
Flonicamid	< LOQ	1	0.4633	Pyridinecarboxamide insecticide



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Pesticide Analysis in PPM

Date/Time Extracted: 11/16/18 10:29

Date/Time GC Analyzed:

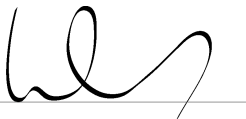
Analysis Method/SOP: *** DEFAULT

Date/Time LC Analyzed:

SPECIFIC METHOD

Batch Identification:B18K091

Analyte	Result	Action Level	LOQ	Type
Fludioxonil	< LOQ	0.4	0.1853	Benzodioxole flungicide
Hexythiazox	< LOQ	1	0.4633	Heterocyclic miticide
Imazalil	< LOQ	0.2	0.09266	Imidazole flungicide
Imidacloprid	< LOQ	0.4	0.1853	Neonicotinoid insectide
Kresoxim-methyl	< LOQ	0.4	0.1853	Strobilurin flungicide
Malathion	< LOQ	0.2	0.09266	Organophosphate insecticide
Metalaxyl	< LOQ	0.2	0.09266	Benzenoid flungicide
Methiocarb	< LOQ	0.2	0.09266	Carbamate insecticide
Methomyl	< LOQ	0.4	0.1853	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.09266	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.09266	Pesticide synergist
Myclobutanil	< LOQ	0.2	0.09266	Triazole flungicide
Naled	< LOQ	0.5	0.2317	Organophosphate insecticide
Oxamyl	< LOQ	1	0.8108	Carbamate insecticide
Paclobutrazol	< LOQ	0.4	0.1853	Triazole flungicide
Permethrins	< LOQ	0.2	0.09266	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.09266	Organophosphate insecticide
Piperonyl butoxide	< LOQ	2	0.4633	Pesticide synergist
Prallethrin	< LOQ	0.2	0.09266	Pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.1853	Triazole flungicide
Propoxur	< LOQ	0.2	0.09266	Carbamate insecticide
Pyrethrins	< LOQ	1	0.4633	Pyrethroid insecticide
Pyridaben	< LOQ	0.2	0.09266	Pyridazinone insecticide
Spinosad	< LOQ	0.2	0.09266	Spinosyn insecticide
Spiromesiflen	< LOQ	0.2	0.09266	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.09266	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.1853	Spiroketalamine flungicide
Tebuconazole	< LOQ	0.4	0.1853	Triazole flungicide



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Matrix: Shatter

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Pesticide Analysis in PPM

Date/Time Extracted: 11/16/18 10:29

Date/Time GC Analyzed:

Analysis Method/SOP: *** DEFAULT

Date/Time LC Analyzed:

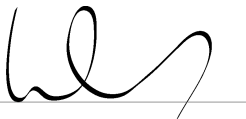
SPECIFIC METHOD

Batch Identification: B18K091

Analyte	Result	Action Level	LOQ	Type
Thiacloprid	< LOQ	0.2	0.09266	Neonicotinoid insecticide
Thiamethoxam	< LOQ	0.2	0.09266	Neonicotinoid insecticide
Trifloxystrobin	< LOQ	0.2	0.09266	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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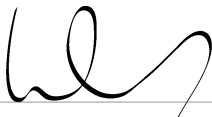
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Laboratory ID: 1811090-02

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	
n-Butane	< LOQ	250.0	5000	
Butanes	< LOQ	250.0	5000	
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	2170	
Ethylene glycol	< LOQ	250.0	620	
Ethylene oxide	< LOQ	50.00	50	
Ethyl ether	< LOQ	50.00	5000	
Heptane	< LOQ	50.00	5000	
Hexanes	< LOQ	50.00	290	
Isopropyl acetate	< LOQ	50.00	5000	
Methanol	< LOQ	250.0	3000	
Pentanes	< LOQ	100.0	5000	
Propane	< LOQ	50.00	5000	
2-Propanol (IPA)	< LOQ	250.0	5000	
Tetrahydrofluran	< LOQ	50.00	720	
Toluene	< LOQ	50.00	890	
Xylenes	< LOQ	50.00	2170	



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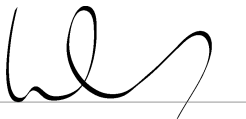
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Quality Control Potency

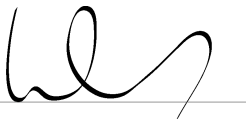
Batch: B18K094 - Potency

Blank(B18K094-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	
delta 9-THC	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	
CBGA	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	
CBDA	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	
CBD	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	
CBN	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	
CBG	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	
delta 8-THC	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	
CBC	< LOQ	0.218	%		11/18/18 15:43	11/18/18 18:52	

LCS(B18K094-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	93.3	0.225	%	80-120	11/18/18 15:43	11/18/18 19:04	
delta 9-THC	111	0.225	%	80-120	11/18/18 15:43	11/18/18 19:04	
CBDA	107	0.225	%	80-120	11/18/18 15:43	11/18/18 19:04	
CBD	108	0.225	%	80-120	11/18/18 15:43	11/18/18 19:04	



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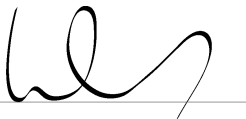
Laboratory ID: 1811090-02

Quality Control Pesticide Analysis

Batch: B18K091 - Pest

Blank(B18K091-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.2500	ppm		11/16/18 10:29	11/17/18 14:45	
Acephate	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Acequinocyl	< LOQ	1.000	ppm		11/16/18 10:29	11/17/18 14:45	
Acetamiprid	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Aldicarb	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Azoxystrobin	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Biflennazate	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Biflenthin	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Boscalid	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Carbaryl	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Carbofluran	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Chlorantraniliprole	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Chlorfenapyr	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
Chlorpyrifos	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Clofentezine	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Cyfluthrin	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
Cypermethrin	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
Daminozide	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
DDVP (Dichlorvos)	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
Diazinon	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Dimethoate	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Ethoprophos	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Etofenprox	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Etoxazole	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Fenoxycarb	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Fenpyroximate	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Fipronil	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Fonicamid	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
Fludioxonil	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Hexythiazox	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
Imazalil	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Imidacloprid	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Kresoxim-methyl	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Malathion	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	



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Quality Control Pesticide Analysis (Continued)

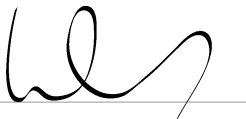
Batch: B18K091 - Pest (Continued)

Blank(B18K091-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Metalaxyl	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Methiocarb	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Methomyl	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Methyl parathion	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
MGK-264	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Myclobutanil	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Naled	< LOQ	0.2500	ppm		11/16/18 10:29	11/17/18 14:45	
Oxamyl	< LOQ	0.8750	ppm		11/16/18 10:29	11/17/18 14:45	
Paclobutrazol	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Permethrins	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Phosmet	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Piperonyl butoxide	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
Prallethrin	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Propiconazole	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Propoxur	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Pyrethrins	< LOQ	0.5000	ppm		11/16/18 10:29	11/17/18 14:45	
Pyridaben	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Spinosad	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Spiromesiflen	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Spirotetramat	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Spiroxamine	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Tebuconazole	< LOQ	0.2000	ppm		11/16/18 10:29	11/17/18 14:45	
Thiacloprid	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Thiamethoxam	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	
Trifloxystrobin	< LOQ	0.1000	ppm		11/16/18 10:29	11/17/18 14:45	

LCS(B18K091-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	39.3	0.2500	ppm	70-130	11/16/18 10:29	11/17/18 14:23	LCS
Acephate	87.4	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Acequinocyl	86.4	1.000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Acetamiprid	86.3	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Aldicarb	92.3	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Azoxystrobin	79.6	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Biflennazate	99.0	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	



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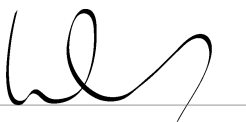
Quality Control

Pesticide Analysis (Continued)

Batch: B18K091 - Pest (Continued)

LCS(B18K091-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Bifenthrin	90.7	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Boscalid	86.7	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Carbaryl	85.6	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Carbofluran	84.9	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Chlorantraniliprole	90.4	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Chlorfenapyr	124	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Chlorpyrifos	91.7	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Clofentezine	88.0	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Cyfluthrin	87.1	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Cypermethrin	87.2	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Daminozide	98.4	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
DDVP (Dichlorvos)	89.2	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Diazinon	82.2	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Dimethoate	89.1	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Ethoprophos	82.0	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Etofenprox	87.5	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Etoxazole	85.2	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Fenoxycarb	86.7	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Fenpyroximate	88.5	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Fipronil	89.9	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Flonicamid	87.3	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Fludioxonil	90.0	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Hexythiazox	86.1	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Imazalil	85.6	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Imidacloprid	90.0	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Kresoxim-methyl	95.4	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Malathion	84.5	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Metalaxyl	84.5	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Methiocarb	84.8	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Methomyl	89.0	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Methyl parathion	65.2	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	LCS
MGK-264	90.7	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Myclobutanil	87.5	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Naled	87.8	0.2500	ppm	70-130	11/16/18 10:29	11/17/18 14:23	



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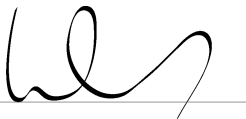
Laboratory ID: 1811090-02

Quality Control Pesticide Analysis (Continued)

Batch: B18K091 - Pest (Continued)

LCS(B18K091-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Oxamyl	82.4	0.8750	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Paclobutrazol	88.6	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Permethrins	86.8	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Phosmet	82.4	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Piperonyl butoxide	87.2	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Prallethrin	91.7	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Propiconazole	93.3	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Propoxur	83.4	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Pyrethrins	84.6	0.5000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Pyridaben	84.4	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Spinosad	98.7	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Spiromesifen	84.4	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Spirotetramat	85.8	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Spiroxamine	87.5	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Tebuconazole	88.9	0.2000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Thiacloprid	86.1	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Thiamethoxam	87.4	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	
Trifloxystrobin	90.6	0.1000	ppm	70-130	11/16/18 10:29	11/17/18 14:23	



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Quality Control Solvent Analysis

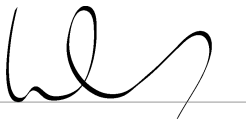
Batch: B18K093 - ResSolv

Blank(B18K093-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	250.0	ppm		11/16/18 22:09	11/17/18 11:43	
Acetonitrile	< LOQ	100.0	ppm		11/16/18 22:09	11/17/18 11:43	
Benzene	< LOQ	0.5000	ppm		11/16/18 22:09	11/17/18 11:43	
n-Butane	< LOQ	250.0	ppm		11/16/18 22:09	11/17/18 11:43	
Butanes	< LOQ	250.0	ppm		11/16/18 22:09	11/17/18 11:43	
2-Butanol	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Cumene	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Cyclohexane	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Dichloromethane	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
1,4-Dioxane	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
2-Ethoxyethanol	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Ethyl acetate	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Ethyl benzene	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Ethylene glycol	< LOQ	250.0	ppm		11/16/18 22:09	11/17/18 11:43	
Ethylene oxide	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Ethyl ether	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Heptane	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Hexanes	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Isopropyl acetate	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Methanol	< LOQ	250.0	ppm		11/16/18 22:09	11/17/18 11:43	
Pentanes	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Propane	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
2-Propanol (IPA)	< LOQ	250.0	ppm		11/16/18 22:09	11/17/18 11:43	
Tetrahydrofuran	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Toluene	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	
Xylenes	< LOQ	50.00	ppm		11/16/18 22:09	11/17/18 11:43	

LCS(B18K093-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	96.7	250.0	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Acetonitrile	79.8	100.0	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Benzene	90.3	0.5000	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
n-Butane	97.6	250.0	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Butanes		250.0	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
2-Butanol	96.7	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	



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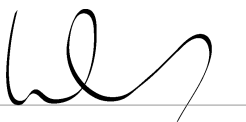
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Quality Control Solvent Analysis (Continued)

Batch: B18K093 - ResSolv (Continued)

LCS(B18K093-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cumene	97.1	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Cyclohexane	94.2	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Dichloromethane	92.7	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
1,4-Dioxane	99.5	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
2-Ethoxyethanol	100	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Ethyl acetate	96.1	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Ethyl benzene	95.7	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Ethylene glycol	109	250.0	ppm	50-200	11/16/18 22:09	11/17/18 11:08	
Ethylene oxide	96.1	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Ethyl ether	93.4	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Heptane	97.0	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
n-Hexane	93.9	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Hexanes		50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Isopropyl acetate	95.8	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Methanol	93.7	250.0	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Pentanes		50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Propane	101	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
2-Propanol (IPA)	96.1	250.0	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Tetrahydrofuran	98.9	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Toluene	93.7	50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	
Xylenes		50.00	ppm	50-150	11/16/18 22:09	11/17/18 11:08	



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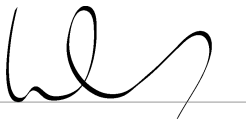
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030-1004164663A

Laboratory ID: 1811090-02

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



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