

EVIO Labs Medford (pka Kenevir Research)
 540 East Vilas Road, Suite F, Central Point, OR 97502
 541-668-7444 / OLCC 010-1001626980D / www.EVIOLabs.com

CA 19513
Rogue Naturals
 AG-R1043473IHH (OHA)



Confident Cannabis ID: 1903KR0152.1240

Sample ID: M190403-01

Matrix: Extract/Concentrate

METRC Batch #:

Sampling Method/SOP: SOP.T.20.010

Date Sampled: 03/29/19 09:00

Date Accepted: 03/29/19

Harvest/Process Lot ID: 64961HH CA1910

Batch ID: CA19513

Batch Size (g): 2700

Unit for Sale:

Harvest/Production Date: 3/27/19

Cannabinoid Analysis

Date/Time Extracted: 04/02/19 11:49

Analysis Method/SOP: SOP.T.40.020

Date/Time Analyzed: 04/03/19 02:20

Cannabinoids	LOQ(%)	mg/g	% weight	Cannabinoid Profile
Total THC ((THCA*0.877)+Δ9THC)		13.4	1.34	
Total CBD ((CBDA*0.877)+CBD)		596	59.6	
THCA	0.100	< LOQ	< LOQ	
delta 9-THC	0.100	12.8	1.28	
delta 8-THC	0.100	< LOQ	< LOQ	
CBDA	0.100	16.1	1.61	
CBD	0.100	582	58.2	
CBN	0.100	< LOQ	< LOQ	
CBG	0.100	20.8	2.08	
CBC	0.100	38.4	3.84	
Sum of tested Cannabinoids	0.100	669	66.9	

"Total THC" and "Total CBD" are calculated values and are an Oregon reporting requirement (OAR 333-064-0100). For Cannabinoid analysis, only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes. Cannabinoid values reported for plant matter are dry weight corrected; Oregon Water Activity action level is 0.65Aw and Oregon Moisture Content action level is 15%. Samples above limit will be highlighted RED; FD = Field Duplicate; LOQ = Limit of Quantitation.

Ian Riversong
 Laboratory Director - 4/4/2019

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Rogue Naturals

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Sample ID: M190403-01

METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 03/29/19 09:00

Date Accepted: 03/29/19

Batch ID: CA19513

Batch Size: 2700

Sampling Method/SOP: SOP.T.20.010

Pesticides

Date/Time Extracted: 04/02/19 16:17

Date/Time Analyzed: 4/2/2019 8:50:59PM

Analysis Method/SOP: SOP.T.30.060

Analyte	LOQ	Action Level	Result	Units	Type
Abamectin	0.250	0.5	< LOQ	ppm	
Acephate	0.200	0.4	< LOQ	ppm	Organophosphate insecticide
Acequinocyl	1.00	2	< LOQ	ppm	
Acetamiprid	0.200	0.2	< LOQ	ppm	Neonicotinoid insecticide
Aldicarb	0.200	0.4	< LOQ	ppm	Carbamate insecticide
Azoxystrobin	0.200	0.2	< LOQ	ppm	
Bifenazate	0.200	0.2	< LOQ	ppm	Unclassified insecticide
Bifenthrin	0.200	0.2	< LOQ	ppm	
Boscalid	0.200	0.4	< LOQ	ppm	Anilide fungicide
Carbaryl	0.200	0.2	< LOQ	ppm	Carbamate insecticide
Carbofuran	0.200	0.2	< LOQ	ppm	Carbamate insecticide
Chlorantraniliprole	0.200	0.2	< LOQ	ppm	Anthranilic diamide insecticide
Chlorfenapyr	0.500	1	< LOQ	ppm	Pyrazole insecticide
Chlorpyrifos	0.200	0.2	< LOQ	ppm	Organophosphate insecticide
Clofentezine	0.200	0.2	< LOQ	ppm	
Cyfluthrin	0.500	1	< LOQ	ppm	
Cypermethrin	0.500	1	< LOQ	ppm	
Daminozide	0.500	1	< LOQ	ppm	
DDVP (Dichlorvos)	0.500	1	< LOQ	ppm	
Diazinon	0.200	0.2	< LOQ	ppm	Organophosphate insecticide
Dimethoate	0.200	0.2	< LOQ	ppm	
Ethoprophos	0.200	0.2	< LOQ	ppm	
Etofenprox	0.200	0.4	< LOQ	ppm	
Etoxazole	0.200	0.2	< LOQ	ppm	Unclassified miticide
Fenoxycarb	0.200	0.2	< LOQ	ppm	
Fenpyroximate	0.200	0.4	< LOQ	ppm	
Fipronil	0.200	0.4	< LOQ	ppm	Pyrazole insecticide
Fonicamid	0.500	1	< LOQ	ppm	Pyridinecarboxamide insecticide
Fludioxonil	0.200	0.4	< LOQ	ppm	non-systemic fungicide
Hexythiazox	0.500	1	< LOQ	ppm	
Imazalil	0.200	0.2	< LOQ	ppm	Azole fungicide
Imidacloprid	0.200	0.4	< LOQ	ppm	Neonicotinoid insecticide
Kresoxim-methyl	0.200	0.4	< LOQ	ppm	
Malathion	0.200	0.2	< LOQ	ppm	
Metalaxyl	0.200	0.2	< LOQ	ppm	
Methiocarb	0.200	0.2	< LOQ	ppm	Carbamate insecticide



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Rogue Naturals

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Sample ID: M190403-01

METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 03/29/19 09:00

Date Accepted: 03/29/19

Batch ID: CA19513

Batch Size: 2700

Sampling Method/SOP: SOP.T.20.010

Pesticides

Date/Time Extracted: 04/02/19 16:17

Date/Time Analyzed: 4/2/2019 8:50:59PM

Analysis Method/SOP: SOP.T.30.060

Analyte	LOQ	Action Level	Result	Units	Type
Methomyl	0.200	0.4	< LOQ	ppm	Carbamate insecticide
Methyl parathion	0.200	0.2	< LOQ	ppm	
MGK-264	0.200	0.2	< LOQ	ppm	
Myclobutanil	0.200	0.2	< LOQ	ppm	Azole fungicide
Naled	0.250	0.5	< LOQ	ppm	
Oxamyl	0.500	1	< LOQ	ppm	Carbamate insecticide
Paclobutrazol	0.200	0.4	< LOQ	ppm	Azole plant growth regulator
Permethrins	0.200	0.2	< LOQ	ppm	
Phosmet	0.200	0.2	< LOQ	ppm	Organophosphate insecticide
Piperonyl butoxide	1.00	2	< LOQ	ppm	
Prallethrin	0.200	0.2	< LOQ	ppm	
Propiconazole	0.200	0.4	< LOQ	ppm	
Propoxur	0.200	0.2	< LOQ	ppm	Carbamate insecticide
Pyrethrins	0.500	1	< LOQ	ppm	
Pyridaben	0.200	0.2	< LOQ	ppm	Unclassified insecticide
Spinosad	0.200	0.2	< LOQ	ppm	Spinosyn insecticide
Spiromesifen	0.200	0.2	< LOQ	ppm	Keto-enol insecticide
Spirotetramat	0.200	0.2	< LOQ	ppm	Keto-enol insecticide
Spiroxamine	0.200	0.4	< LOQ	ppm	Unclassified fungicide
Tebuconazole	0.200	0.4	< LOQ	ppm	
Thiacloprid	0.200	0.2	< LOQ	ppm	
Thiamethoxam	0.200	0.2	< LOQ	ppm	Neonicotinoid insectide
Trifloxystrobin	0.200	0.2	< LOQ	ppm	Strobin fungicide

Results above the action level fail Oregon state testing requirements and will be highlighted RED.

LOQ= Limit of Quantitation; PPM= Parts per million; ND= Not detected; NT= Not tested; AC= Above calibration range.

Pesticide testing performed in conjunction with EVIO Labs Medford, an ORELAP and ISO 17025 accredited laboratory.

PASS/FAIL status based on OAR 333-007.



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Rogue Naturals

AG-R1043473IHH (OHA)

Sample ID: M190403-01 METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 03/29/19 09:00

Date Accepted: 03/29/19

Batch ID: CA19513

Batch Size: 2700

Sampling Method/SOP: SOP.T.20.010

Residual Solvents

Analyte	LOQ	Action Level	Result	Units
Butanes	250	5000 ³	< LOQ	ppm
n-Butane	250	5000	< LOQ	ppm
iso-Butane	250	5000	< LOQ	ppm
Hexanes	174	290 ⁴	< LOQ	ppm
n-Hexane	174	290	< LOQ	ppm
2-Methylpentane	174	290	< LOQ	ppm
3-Methylpentane	174	290	< LOQ	ppm
2,2-Dimethylbutane	174	290	< LOQ	ppm
2,3-Dimethylbutane	174	290	< LOQ	ppm
Pentanes	1400	5000 ⁵	< LOQ	ppm
n-Pentane	1400	5000	< LOQ	ppm
iso-Pentane	1400	5000	< LOQ	ppm
Neopentane	250	5000	< LOQ	ppm
Xylenes	1302	2170	< LOQ	ppm
1,2-Dimethylbenzene	1302	2170	< LOQ	ppm
1,3-Dimethylbenzene	1302	2170	< LOQ	ppm
1,4-Dimethylbenzene	1302	2170	< LOQ	ppm
Xylenes MP	1302	2170	< LOQ	ppm
Ethyl benzene	1302	NA	< LOQ	ppm
2-Propanol (IPA)	1400	5000	< LOQ	ppm
Acetone	1400	5000	< LOQ	ppm
Acetonitrile	246	410	< LOQ	ppm
Benzene	1.2	2	< LOQ	ppm
Methanol	1000	3000	< LOQ	ppm
Propane	250	5000	< LOQ	ppm
Toluene	534	890	< LOQ	ppm
Dichloromethane	360	600	< LOQ	ppm
1,4-Dioxane	228	380	< LOQ	ppm
2-Butanol	1400	5000	< LOQ	ppm
2-Ethoxyethanol	96	160	< LOQ	ppm
Cumene	42	70	< LOQ	ppm
Cyclohexane	2278	3880	< LOQ	ppm
Ethyl acetate	1400	5000	< LOQ	ppm
Ethyl ether	1400	5000	< LOQ	ppm
Ethylene glycol	372	620	< LOQ	ppm
Ethylene oxide	30	50	< LOQ	ppm
Heptane	1400	5000	< LOQ	ppm
Isopropyl acetate	1400	5000	< LOQ	ppm
Tetrahydrofuran	432	720	< LOQ	ppm
Ethanol	1400	NA ⁷	5881.47	ppm

Date/Time Extracted: 04/03/19 11:11

Date/Time Analyzed: 04/03/19 20:11

Analysis Method/SOPSOP.T.40.031

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

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

5 - Total pentanes are 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 calculated as 1,2-dimethylbenzene (CAS# 95-47-6), 1,3-dimethylbenzene (CAS# 106-42-3), and 1-4-dimethylbenzene (CAS# 106-42-3)

7 - Ethanol is not regulated under OAR-333-007-0410.

Results above the action level fail Oregon state testing requirements and will be highlighted **RED**. LOQ=Limit of Quantitation; PPM=Parts per million; ND=Not detected; NT=Not tested; AC=Above calibration range. PASS/FAIL status based on OAR 333-007. Analysis performed in conjunction with EVIO Labs Portland.



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Quality Control

Batch: M19D009 - SOP.T.30.050 Prep for Cannabinoids

Blank(M19D009-BLK1)			Extracted: 04/02/19 11:49		Analyzed: 04/03/19 01:28		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.100 (%)	< LOQ	delta 9-THC	< LOQ	0.100 (%)	< LOQ
delta 8-THC	< LOQ	0.100 (%)	< LOQ	CBDA	< LOQ	0.100 (%)	< LOQ
CBD	< LOQ	0.100 (%)	< LOQ	CBG	< LOQ	0.100 (%)	< LOQ
CBN	< LOQ	0.100 (%)	< LOQ	CBC	< LOQ	0.100 (%)	< LOQ
Sum of tested Cannabinoid:	< LOQ	0.100 (%)	< LOQ				

LCS(M19D009-BS1)			Extracted: 04/02/19 11:49		Analyzed: 04/03/19 01:45		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
THCA	90.9	(%)	70-130	delta 9-THC	96.9	(%)	70-130
CBDA	94.6	(%)	70-130	CBD	95.1	(%)	70-130

Batch: M19D019 - SOP.T.30.061 Pesticide Prep

Blank(M19D019-BLK1)			Extracted: 04/02/19 16:17		Analyzed: 04/02/19 19:03		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Cyfluthrin	< LOQ	0.500 (ppm)	< LOQ	Cypermethrin	< LOQ	0.500 (ppm)	< LOQ
MGK-264	< LOQ	0.200 (ppm)	< LOQ	Chlorfenapyr	< LOQ	0.500 (ppm)	< LOQ
Methyl parathion	< LOQ	0.200 (ppm)	< LOQ	Acequinocyl	< LOQ	1.00 (ppm)	< LOQ
Bifenthrin	< LOQ	0.200 (ppm)	< LOQ	Acephate	< LOQ	0.200 (ppm)	< LOQ
Abamectin	< LOQ	0.250 (ppm)	< LOQ	Acetamiprid	< LOQ	0.200 (ppm)	< LOQ
Aldicarb	< LOQ	0.200 (ppm)	< LOQ	Azoxystrobin	< LOQ	0.200 (ppm)	< LOQ
Bifenazate	< LOQ	0.200 (ppm)	< LOQ	Boscalid	< LOQ	0.200 (ppm)	< LOQ
Carbaryl	< LOQ	0.200 (ppm)	< LOQ	Carbofuran	< LOQ	0.200 (ppm)	< LOQ
Chlorantraniliprole	< LOQ	0.200 (ppm)	< LOQ	Chlorpyrifos	< LOQ	0.200 (ppm)	< LOQ
Clofentezine	< LOQ	0.200 (ppm)	< LOQ	Daminozide	< LOQ	0.500 (ppm)	< LOQ
DDVP (Dichlorvos)	< LOQ	0.500 (ppm)	< LOQ	Diazinon	< LOQ	0.200 (ppm)	< LOQ
Dimethoate	< LOQ	0.200 (ppm)	< LOQ	Ethoprophos	< LOQ	0.200 (ppm)	< LOQ
Etofenprox	< LOQ	0.200 (ppm)	< LOQ	Etoazole	< LOQ	0.200 (ppm)	< LOQ
Fenoxycarb	< LOQ	0.200 (ppm)	< LOQ	Fenpyroximate	< LOQ	0.200 (ppm)	< LOQ
Fipronil	< LOQ	0.200 (ppm)	< LOQ	Flonicamid	< LOQ	0.500 (ppm)	< LOQ
Fludioxonil	< LOQ	0.200 (ppm)	< LOQ	Hexythiazox	< LOQ	0.500 (ppm)	< LOQ
Imazalil	< LOQ	0.200 (ppm)	< LOQ	Imidacloprid	< LOQ	0.200 (ppm)	< LOQ
Kresoxim-methyl	< LOQ	0.200 (ppm)	< LOQ	Malathion	< LOQ	0.200 (ppm)	< LOQ
Metalaxyl	< LOQ	0.200 (ppm)	< LOQ	Methiocarb	< LOQ	0.200 (ppm)	< LOQ
Methomyl	< LOQ	0.200 (ppm)	< LOQ	Myclobutanil	< LOQ	0.200 (ppm)	< LOQ
Naled	< LOQ	0.250 (ppm)	< LOQ	Oxamyl	< LOQ	0.500 (ppm)	< LOQ
Paclobutrazol	< LOQ	0.200 (ppm)	< LOQ	Permethrins	< LOQ	0.200 (ppm)	< LOQ
Phosmet	< LOQ	0.200 (ppm)	< LOQ	Piperonyl butoxide	< LOQ	1.00 (ppm)	< LOQ



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Quality Control

Batch: M19D019 - SOP.T.30.061 Pesticide Prep (Continued)

Blank(M19D019-BLK1)			Extracted: 04/02/19 16:17		Analyzed: 04/02/19 18:29		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Prallethrin	< LOQ	0.200 (ppm)	< LOQ	Propiconazole	< LOQ	0.200 (ppm)	< LOQ
Propoxur	< LOQ	0.200 (ppm)	< LOQ	Pyrethrins	< LOQ	0.500 (ppm)	< LOQ
Pyridaben	< LOQ	0.200 (ppm)	< LOQ	Spinosad	< LOQ	0.200 (ppm)	< LOQ
Spiromesifen	< LOQ	0.200 (ppm)	< LOQ	Spirotetramat	< LOQ	0.200 (ppm)	< LOQ
Spiroxamine	< LOQ	0.200 (ppm)	< LOQ	Tebuconazole	< LOQ	0.200 (ppm)	< LOQ
Thiacloprid	< LOQ	0.200 (ppm)	< LOQ	Thiamethoxam	< LOQ	0.200 (ppm)	< LOQ
Trifloxystrobin	< LOQ	0.200 (ppm)	< LOQ				

LCS(M19D019-BS1)			Extracted: 04/02/19 16:17		Analyzed: 04/02/19 19:25		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
Cyfluthrin	60.6	0.500 (ppm)	30-170	Cypermethrin	89.3	0.500 (ppm)	30-170
MGK-264	27.7	0.200 (ppm)	50-150	Chlorfenapyr	132	0.500 (ppm)	40-160
Methyl parathion	45.5	0.200 (ppm)	30-170	Bifenthrin	74.9	0.200 (ppm)	50-150
Acephate	132	0.200 (ppm)	50-150	Abamectin	60.0	0.250 (ppm)	50-150
Acetamiprid	135	0.200 (ppm)	50-150	Aldicarb	110	0.200 (ppm)	40-160
Azoxystrobin	158	0.200 (ppm)	50-150	Bifenazate	96.3	0.200 (ppm)	50-150
Boscalid	72.8	0.200 (ppm)	50-150	Carbaryl	127	0.200 (ppm)	50-150
Carbofuran	140	0.200 (ppm)	50-150	Chlorantraniliprole	50.9	0.200 (ppm)	40-160
Chlorpyrifos	113	0.200 (ppm)	50-150	Clofentezine	89.8	0.200 (ppm)	30-170
DDVP (Dichlorvos)	130	0.500 (ppm)	50-150	Diazinon	151	0.200 (ppm)	50-150
Dimethoate	123	0.200 (ppm)	50-150	Ethoprophos	121	0.200 (ppm)	50-150
Etofenprox	95.8	0.200 (ppm)	50-150	Etoxazole	105	0.200 (ppm)	50-150
Fenoxycarb	148	0.200 (ppm)	50-150	Fenpyroximate	75.2	0.200 (ppm)	40-160
Fipronil	86.8	0.200 (ppm)	50-150	Flonicamid	124	0.500 (ppm)	50-150
Fludioxonil	78.4	0.200 (ppm)	50-150	Hexythiazox	132	0.500 (ppm)	50-150
Imazalil	138	0.200 (ppm)	50-150	Imidacloprid	102	0.200 (ppm)	50-150
Kresoxim-methyl	85.4	0.200 (ppm)	50-150	Malathion	135	0.200 (ppm)	50-150
Metalaxyl	88.0	0.200 (ppm)	50-150	Methiocarb	113	0.200 (ppm)	50-150
Methomyl	118	0.200 (ppm)	50-150	Myclobutanil	154	0.200 (ppm)	50-150
Naled	170	0.250 (ppm)	50-150	Oxamyl	108	0.500 (ppm)	50-150
Paclobutrazol	98.0	0.200 (ppm)	50-150	Permethrins	131	0.200 (ppm)	50-150
Phosmet	104	0.200 (ppm)	50-150	Piperonyl butoxide	85.1	1.00 (ppm)	50-150
Prallethrin	94.1	0.200 (ppm)	50-150	Propiconazole	149	0.200 (ppm)	50-150
Propoxur	119	0.200 (ppm)	50-150	Pyrethrins	190	0.500 (ppm)	50-150
Pyridaben	84.1	0.200 (ppm)	50-150	Spinosad	133	0.200 (ppm)	40-160
Spiromesifen	165	0.200 (ppm)	40-160	Spirotetramat	91.7	0.200 (ppm)	50-150
Spiroxamine	198	0.200 (ppm)	50-150	Tebuconazole	89.9	0.200 (ppm)	50-150



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Quality Control

Batch: M19D019 - SOP.T.30.061 Pesticide Prep (Continued)

LCS(M19D019-BS1)			Extracted: 04/02/19 16:17	Analyzed: 04/02/19 18:52			
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
Thiacloprid	117	0.200 (ppm)	50-150	Thiamethoxam	99.9	0.200 (ppm)	50-150
Trifloxystrobin	79.4	0.200 (ppm)	50-150				

Batch: P19D017 - SOP.T.40.030 Solvents

Blank(P19D017-BLK1)			Extracted: 04/03/19 11:11	Analyzed: 04/03/19 17:49			
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Butanes	< LOQ	250 (ppm)	< LOQ	n-Butane	< LOQ	250 (ppm)	< LOQ
iso-Butane	< LOQ	250 (ppm)	< LOQ	Hexanes	< LOQ	174 (ppm)	< LOQ
n-Hexane	< LOQ	174 (ppm)	< LOQ	2-Methylpentane	< LOQ	174 (ppm)	< LOQ
3-Methylpentane	< LOQ	174 (ppm)	< LOQ	2,2-Dimethylbutane	< LOQ	174 (ppm)	< LOQ
2,3-Dimethylbutane	< LOQ	174 (ppm)	< LOQ	Pentanes	< LOQ	1400 (ppm)	< LOQ
n-Pentane	< LOQ	1400 (ppm)	< LOQ	iso-Pentane	< LOQ	1400 (ppm)	< LOQ
Neopentane	< LOQ	250 (ppm)	< LOQ	Xylenes	< LOQ	1302 (ppm)	< LOQ
1,2-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ	1,3-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ
1,4-Dimethylbenzene	< LOQ	1302 (ppm)	< LOQ	Xylenes MP	< LOQ	1302 (ppm)	< LOQ
Ethyl benzene	< LOQ	1302 (ppm)	< LOQ	2-Propanol (IPA)	< LOQ	1400 (ppm)	< LOQ
Acetone	< LOQ	1400 (ppm)	< LOQ	Acetonitrile	< LOQ	246 (ppm)	< LOQ
Benzene	< LOQ	1.2 (ppm)	< LOQ	Methanol	< LOQ	1000 (ppm)	< LOQ
Propane	< LOQ	250 (ppm)	< LOQ	Toluene	< LOQ	534 (ppm)	< LOQ
Dichloromethane	< LOQ	360 (ppm)	< LOQ	1,4-Dioxane	< LOQ	228 (ppm)	< LOQ
2-Butanol	< LOQ	1400 (ppm)	< LOQ	2-Ethoxyethanol	< LOQ	96 (ppm)	< LOQ
Cumene	< LOQ	42 (ppm)	< LOQ	Cyclohexane	< LOQ	2278 (ppm)	< LOQ
Ethyl acetate	< LOQ	1400 (ppm)	< LOQ	Ethyl ether	< LOQ	1400 (ppm)	< LOQ
Ethylene glycol	< LOQ	372 (ppm)	< LOQ	Ethylene oxide	< LOQ	30 (ppm)	< LOQ
Heptane	< LOQ	1400 (ppm)	< LOQ	Isopropyl acetate	< LOQ	1400 (ppm)	< LOQ
Tetrahydrofuran	< LOQ	432 (ppm)	< LOQ	Ethanol	< LOQ	1400 (ppm)	< LOQ

LCS(P19D017-BS1)			Extracted: 04/03/19 11:11	Analyzed: 04/03/19 17:13			
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
Butanes		250 (ppm)	0-200	n-Butane	71.4	250 (ppm)	50-150
iso-Butane	65.7	250 (ppm)	50-150	Hexanes		174 (ppm)	0-200
n-Hexane	79.9	174 (ppm)	70-130	2-Methylpentane	78.4	174 (ppm)	70-130
3-Methylpentane	78.4	174 (ppm)	70-130	2,2-Dimethylbutane	79.3	174 (ppm)	70-130
2,3-Dimethylbutane	78.4	174 (ppm)	70-130	Pentanes		1400 (ppm)	0-200
n-Pentane	78.4	1400 (ppm)	70-130	iso-Pentane	70.4	1400 (ppm)	70-130
Neopentane	76.6	250 (ppm)	50-150	Xylenes		1302 (ppm)	0-200
1,2-Dimethylbenzene	85.8	1302 (ppm)	70-130	1,3-Dimethylbenzene	85.8	1302 (ppm)	70-130



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Quality Control

Batch: P19D017 - SOP.T.40.030 Solvents (Continued)

LCS(P19D017-BS1)			Extracted: 04/03/19 11:11		Analyzed: 04/03/19 17:13		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
1,4-Dimethylbenzene	85.8	1302 (ppm)	70-130	Xylenes MP		1302 (ppm)	0-200
Ethyl benzene	84.8	1302 (ppm)	70-130	2-Propanol (IPA)	82.9	1400 (ppm)	70-130
Acetone	87.2	1400 (ppm)	70-130	Acetonitrile	80.9	246 (ppm)	70-130
Benzene	94.6	1.2 (ppm)	70-130	Methanol	77.6	1000 (ppm)	70-130
Propane	62.7	250 (ppm)	50-150	Toluene	84.8	534 (ppm)	70-130
Dichloromethane	85.2	360 (ppm)	70-130	1,4-Dioxane	83.5	228 (ppm)	70-130
2-Butanol	78.2	1400 (ppm)	70-130	2-Ethoxyethanol	83.4	96 (ppm)	70-130
Cumene	110	42 (ppm)	50-150	Cyclohexane	79.8	2278 (ppm)	70-130
Ethyl acetate	84.4	1400 (ppm)	70-130	Ethyl ether	77.8	1400 (ppm)	70-130
Ethylene glycol	81.4	372 (ppm)	70-130	Ethylene oxide	83.8	30 (ppm)	50-150
Heptane	82.8	1400 (ppm)	70-130	Isopropyl acetate	81.9	1400 (ppm)	70-130
Tetrahydrofuran	79.3	432 (ppm)	70-130	Ethanol	81.4	1400 (ppm)	70-130



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