University of Kentucky
Regulatory Services
College of Agriculture, Food and Environment

Hemp Proficiency Testing

Survey Questions

HEMP
Proficiency Testing Program

Samples: HM19NOV **Issue Date:** 12/20/2019

Q1. What extraction solvent do you use?

	Lab Num	THC method	Answer
Q1.	101	LC-UV, other	Methanol
Q1.	103	AOAC 2018.11, diode array	Ethanol
Q1.	105	LC-MS, other	Acetonitrile
Q1.	106	LC-UV, other	Methanol
Q1.	107	Other	Reagent Alcohol
Q1.	108	AOAC 2018.10	Ethyl Acetate
Q1.	109	LC-UV, other	MeOH(9):CHCl3(1)
Q1.	112	GC-FID	Methanol
Q1.	113	AOAC 2018.11, diode array	Methanol
Q1.	114	GC-FID	Methanol
Q1.	115	AOAC 2018.10	80/20 water/methanol
Q1.	116	LC-UV, other	methanol
Q1.	116	GC-FID	methanol
Q1.	118	AOAC 2018.11, diode array	Methanol
Q1.	119	LC-MS, other	Acetonitrile:MeOH 80:20
Q1.	120	Other	90:10 (v/v) Methanol:Chloroform
Q1.	121	GC-FID	Methanol
Q1.	122	LC-MS, other	95% MeOH + 0.005% Formic Acid
Q1.	123	AOAC 2018.11, diode array	Methanol

Q1.	124	LC-UV, other	Acetonitrile
Q1.	125	LC-UV, other	Reagent alcohol
Q1.	127	LC-UV, other	Methanol (LC) or Ethanol (GC)
Q1.	127	GC-MS	Methanol (LC) or Ethanol (GC)
Q1.	128	GC-FID	Methanol
Q1.	131	Other	MEOH
Q1.	132	Other	ACN
Q1.	135	LC-UV, other	Methanol
Q1.	136	LC-UV, other	Methanol
Q1.	137	Other	Methanol
Q1.	138	GC-FID	methanol
Q1.	139	LC-MS, other	Ethanol
Q1.	140	LC-UV, other	Acetonitrile
Q1.	141	LC-UV, other	Methanol: Chloroform (9:1)
Q1.	142	LC-UV, other	Acetonitrile
Q1.	143	GC-FID	ethanol
Q1.	144	LC-UV, other	MeOH
Q1.	144	LC-MS, other	MeOH
Q1.	145	AOAC 2018.11, diode array	methanol
Q1.	148	AOAC 2018.10	80% methanol, 20% water
Q1.	149	LC-UV, other	Methanol
Q1.	149	LC-MS, other	Methanol
Q1.	150	LC-UV, other	LightLab Mobile Phase (~80% Methanol/20% water)
Q1.	151	GC-MS	Methanol
Q1.	152	LC-UV, other	Ethanol
Q1.	153	GC-FID	Methanol
Q1.	154	LC-MS, other	Acetonitrile
Q1.	154	LC-UV, other	Acetonitrile
Q1.	155	AOAC 2018.11, diode array	MeOH

Q1.	156	LC-MS, other	Methanol
Q1.	159	LC-MS, other	85% MeOH/15% Water
Q1.	160	AOAC 2018.10	Methanol
Q1.	161	LC-UV, other	Methanol
Q1.	162	AOAC 2018.10	Methanol
Q1.	163	LC-UV, other	METHANOL
Q1.	163	GC-FID	METHANOL
Q1.	164	LC-MS, other	methanol
Q1.	165	LC-UV, other	Methanol
Q1.	168	AOAC 2018.10	80% Methanol 20% Water
Q1.	169	GC-FID	Methanol
Q1.	170	GC-FID	methanol
Q1.	172	Other	CH3OH:HPLC, CDCl3:qNMR
Q1.	172	LC-UV, other	CH3OH:HPLC, CDCl3:qNMR
Q1.	174	AOAC 2018.11, diode array	Methanol
Q1.	175	AOAC 2018.10	80% Methanol
Q1.	176	LC-UV, other	Methanol
Q1.	177	AOAC 2018.11, diode array	80% MeOH/20% H2O
Q1.	179	LC-UV, other	MeOH

Q2. What extraction method do you use (eg., sonication, shaking, other)?

	Lab Num	THC method	Answer
Q2.	101	LC-UV, other	sonication
Q2.	103	AOAC 2018.11, diode array	shaking
Q2.	105	LC-MS, other	Shaking
Q2.	106	LC-UV, other	Sonication,Shaking,and centerfugin
Q2.	107	Other	Sonication
Q2.	108	AOAC 2018.10	shaking

Q2.	109	LC-UV, other	Sonication
Q2.	112	GC-FID	shaking -genogrinder
Q2.	113	AOAC 2018.11, diode array	Shaking
Q2.	114	GC-FID	Shaking via Geno/Grinder
Q2.	115	AOAC 2018.10	Sonicating, shaking
Q2.	116	LC-UV, other	shaking using Geno Grinder
Q2.	116	GC-FID	shaking using Geno Grinder
Q2.	118	AOAC 2018.11, diode array	Shaking
Q2.	119	LC-MS, other	sonication
Q2.	120	Other	Sonication
Q2.	121	GC-FID	Shaking
Q2.	122	LC-MS, other	Sonication
Q2.	123	AOAC 2018.11, diode array	Vortex
Q2.	124	LC-UV, other	Sonication
Q2.	125	LC-UV, other	Shaking
Q2.	127	GC-MS	Sonication and vortexing
Q2.	127	LC-UV, other	Sonication and vortexing
Q2.	128	GC-FID	vortex
Q2.	131	Other	Shaker
Q2.	132	Other	Sonication
Q2.	135	LC-UV, other	Sonication
Q2.	136	LC-UV, other	Shaking
Q2.	137	Other	Sonication and Shaking
Q2.	138	GC-FID	shaking
Q2.	139	LC-MS, other	sonication
Q2.	140	LC-UV, other	QuEChERS EN-15662
Q2.	141	LC-UV, other	Shaking
Q2.	142	LC-UV, other	Sonication
Q2.	143	GC-FID	bead beat

Q2.	144	LC-UV, other	Sonication, vortex, shaking.
Q2.	144	LC-MS, other	Sonication, vortex, shaking.
Q2.	145	AOAC 2018.11, diode array	sonication
Q2.	148	AOAC 2018.10	sonication
Q2.	149	LC-UV, other	Vortex for 3 minutes
Q2.	149	LC-MS, other	Vortex for 3 minutes
Q2.	150	LC-UV, other	Shaking for 4 minutes
Q2.	151	GC-MS	Vortex
Q2.	152	LC-UV, other	Sonication
Q2.	153	GC-FID	Shaking
Q2.	154	LC-UV, other	Sonication/Centrifuge
Q2.	154	LC-MS, other	Sonication/Centrifuge
Q2.	155	AOAC 2018.11, diode array	Geno Grinder (shaking)
Q2.	156	LC-MS, other	Shaking
Q2.	159	LC-MS, other	Shaking - 1 hour
Q2.	160	AOAC 2018.10	Sonication
Q2.	161	LC-UV, other	Shaking
Q2.	162	AOAC 2018.10	Shaking via Spex Grinder, Vortex mixer, centrifuge
Q2.	163	GC-FID	SONICATION
Q2.	163	LC-UV, other	SONICATION
Q2.	164	LC-MS, other	shaking on a Genogrinder
Q2.	165	LC-UV, other	Shaking
Q2.	168	AOAC 2018.10	Sonication
Q2.	169	GC-FID	Shaking (Genogrinder)
Q2.	170	GC-FID	genogrinder, 5 min at 1000
Q2.	172	LC-UV, other	Vortex, Shaker
Q2.	172	Other	Vortex, Shaker
Q2.	174	AOAC 2018.11, diode array	Shaking
Q2.	175	AOAC 2018.10	Vortex & Sonication

Q2.	176	LC-UV, other	Sonication and Shaking
Q2.	177	AOAC 2018.11, diode array	Sonication and Shaking
Q2.	179	LC-UV, other	sonication 42 kHz

Q3and Q4. What is your sample mass and extractant volume?

	Lab Num	THC method	Answer
Q3.	101	LC-UV, other	sample mass (g): 0.1500g | extractant volume (mL): 15mL
Q3.	103	AOAC 2018.11, diode array	sample mass (g): 0.5 grams | extractant volume (mL): 50 mL
Q3.	105	LC-MS, other	sample mass (g): 1 | extractant volume (mL): 40
Q3.	106	LC-UV, other	sample mass (g): 0.1 g | extractant volume (mL): 10
Q3.	107	Other	sample mass (g): .2000 | extractant volume (mL): 20
Q3.	108	AOAC 2018.10	sample mass (g): 0.5g | extractant volume (mL): 15
Q3.	109	LC-UV, other	sample mass (g): ~0.100-0.150g | extractant volume (mL): 10
Q3.	112	GC-FID	sample mass (g): 0.200 | extractant volume (mL): 40.0
Q3.	113	AOAC 2018.11, diode array	sample mass (g): 0.5 | extractant volume (mL): 10
Q3.	114	GC-FID	sample mass (g): 0.2 | extractant volume (mL): 40
Q3.	115	AOAC 2018.10	sample mass (g): 0.2 grams | extractant volume (mL): 25 mls
Q3.	116	GC-FID	sample mass (g): 0.2 | extractant volume (mL): 40
Q3.	116	LC-UV, other	sample mass (g): 0.2 | extractant volume (mL): 40
Q3.	118	AOAC 2018.11, diode array	sample mass (g): 0.5 | extractant volume (mL): 10
Q3.	119	LC-MS, other	sample mass (g): 0.2 | extractant volume (mL): 40
Q3.	120	Other	sample mass (g): 0.1000 g | extractant volume (mL): 5.0 mls
Q3.	121	GC-FID	sample mass (g): 0.2 | extractant volume (mL): 40
Q3.	122	LC-MS, other	sample mass (g): 0.1 | extractant volume (mL): 250
Q3.	123	AOAC 2018.11, diode array	sample mass (g): 2 g | extractant volume (mL): 10 mL
Q3.	124	LC-UV, other	sample mass (g): 1 | extractant volume (mL): 10
Q3.	125	LC-UV, other	sample mass (g): 0.5 grams | extractant volume (mL): 10 mL
Q3.	127	GC-MS	sample mass (g): 0.015 | extractant volume (mL): 1.5

Q3.	127	LC-UV, other	sample mass (g): 0.015 | extractant volume (mL): 1.5
Q3.	128	GC-FID	sample mass (g): 0.2 | extractant volume (mL): 40
Q3.	131	Other	sample mass (g): 0.5 | extractant volume (mL): 20
Q3.	132	Other	sample mass (g): 0.5 | extractant volume (mL): 10
Q3.	135	LC-UV, other	sample mass (g): 0.200g | extractant volume (mL): 10mL
Q3.	136	LC-UV, other	sample mass (g): .2000 g | extractant volume (mL): 1 ml
Q3.	137	Other	sample mass (g): 0.5g | extractant volume (mL): 15 mL
Q3.	138	GC-FID	sample mass (g): 0.5 | extractant volume (mL): 20
Q3.	139	LC-MS, other	sample mass (g): 0.1 g | extractant volume (mL): 10 ml
Q3.	140	LC-UV, other	sample mass (g): 0.5 g | extractant volume (mL): 5 mL
Q3.	141	LC-UV, other	sample mass (g): 0.2 grams | extractant volume (mL): 40 mL
Q3.	142	LC-UV, other	sample mass (g): 0.3 | extractant volume (mL): 4.0
Q3.	143	GC-FID	sample mass (g): 15mg | extractant volume (mL): 1.5
Q3.	144	LC-UV, other	sample mass (g): 1.1 | extractant volume (mL): 40
Q3.	144	LC-MS, other	sample mass (g): 1.1 | extractant volume (mL): 40
Q3.	145	AOAC 2018.11, diode array	sample mass (g): 25 | extractant volume (mL): 25
Q3.	148	AOAC 2018.10	sample mass (g): 0.2 | extractant volume (mL): 10
Q3.	149	LC-MS, other	sample mass (g): 0.2 | extractant volume (mL): 25
Q3.	149	LC-UV, other	sample mass (g): 0.2 | extractant volume (mL): 25
Q3.	150	LC-UV, other	sample mass (g): Depended on analyte, 500mg for CBD/CBDA/CBN, 1000mg for D
Q3.	151	GC-MS	sample mass (g): 0.100 | extractant volume (mL): 2.0
Q3.	152	LC-UV, other	sample mass (g): 0.1 | extractant volume (mL): 10
Q3.	153	GC-FID	sample mass (g): 0.20 | extractant volume (mL): 40
Q3.	154	LC-UV, other	sample mass (g): 1g | extractant volume (mL): 10ml
Q3.	154	LC-MS, other	sample mass (g): 1g | extractant volume (mL): 10ml
Q3.	155	AOAC 2018.11, diode array	sample mass (g): 2.0 | extractant volume (mL): 30
Q3.	156	LC-MS, other	sample mass (g): 1 | extractant volume (mL): 40
Q3.	159	LC-MS, other	sample mass (g): 0.2 | extractant volume (mL): 25
Q3.	160	AOAC 2018.10	sample mass (g): 150mg | extractant volume (mL): 4ml

Q3.	161	LC-UV, other	sample mass (g): 0.05 | extractant volume (mL): 10 mL
Q3.	162	AOAC 2018.10	sample mass (g): 0.2 g | extractant volume (mL): 20 mL
Q3.	163	LC-UV, other	sample mass (g): 1GRAM | extractant volume (mL):
Q3.	163	GC-FID	sample mass (g): 1GRAM | extractant volume (mL):
Q3.	164	LC-MS, other	sample mass (g): 0.2 | extractant volume (mL): 20
Q3.	165	LC-UV, other	sample mass (g): 0.25g | extractant volume (mL): 20
Q3.	168	AOAC 2018.10	sample mass (g): 1 gram | extractant volume (mL): 25 mL
Q3.	169	GC-FID	sample mass (g): 0.2 | extractant volume (mL): 40
Q3.	170	GC-FID	sample mass (g): 0.2 | extractant volume (mL): 32
Q3.	172	LC-UV, other	sample mass (g): 0.05g | extractant volume (mL): 10mL:HPLC, 1mL:qNMR
Q3.	172	Other	sample mass (g): 0.05g | extractant volume (mL): 10mL:HPLC, 1mL:qNMR
Q3.	174	AOAC 2018.11, diode array	sample mass (g): 0.250 | extractant volume (mL): 6.0
Q3.	175	AOAC 2018.10	sample mass (g): 0.2 g | extractant volume (mL): 40 mL
Q3.	176	LC-UV, other	sample mass (g): 1.0000 | extractant volume (mL): 50.0000
Q3.	177	AOAC 2018.11, diode array	sample mass (g): 0.2 grams | extractant volume (mL): 25 mL
Q3.	179	LC-UV, other	sample mass (g): .2 | extractant volume (mL): 10

Q5. Do you perform predecarboxylation step of the extract prior to instrumental analysis?

	Lab Num	THC method	Answer
Q5.	101	LC-UV, other	no
Q5.	103	AOAC 2018.11, diode array	no
Q5.	105	LC-MS, other	no
Q5.	106	LC-UV, other	no
Q5.	107	Other	yes
Q5.	108	AOAC 2018.10	no
Q5.	109	LC-UV, other	no
Q5.	112	GC-FID	no
Q5.	113	AOAC 2018.11, diode array	no

Q5. 114	GC-FID	no	
Q5. 115	AOAC 2018.10	no	
Q5. 116	GC-FID	no	
Q5. 116	LC-UV, other	no	
Q5. 118	AOAC 2018.11, diode array	no	
Q5. 119	LC-MS, other	no	
Q5. 120	Other	No	
Q5. 121	GC-FID	no	
Q5. 122	LC-MS, other	NO	
Q5. 123	AOAC 2018.11, diode array	no	
Q5. 124	LC-UV, other	No	
Q5. 125	LC-UV, other	no	
Q5. 127	LC-UV, other	no	
Q5. 127	GC-MS	no	
Q5. 128	GC-FID	no	
Q5. 131	Other	no	
Q5. 132	Other	no	
Q5. 135	LC-UV, other	no	
Q5. 136	LC-UV, other	No	
Q5. 137	Other	No	
Q5. 138	GC-FID	no	
Q5. 139	LC-MS, other	no	
Q5. 140	LC-UV, other	No	
Q5. 141	LC-UV, other	no	
Q5. 142	LC-UV, other	no	
Q5. 143	GC-FID		yes
Q5. 144	LC-UV, other	no	
Q5. 144	LC-MS, other	no	
Q5. 145	AOAC 2018.11, diode array	no	

Q5. 148	AOAC 2018.10	no
Q5. 149	LC-UV, other	no
Q5. 149	LC-MS, other	no
Q5. 150	LC-UV, other	No
Q5. 151	GC-MS	No
Q5. 152	LC-UV, other	no
Q5. 153	GC-FID	no
Q5. 154	LC-UV, other	No
Q5. 154	LC-MS, other	No
Q5. 155	AOAC 2018.11, diode array	no
Q5. 156	LC-MS, other	no
Q5. 159	LC-MS, other	no
Q5. 160	AOAC 2018.10	no
Q5. 161	LC-UV, other	No
Q5. 162	AOAC 2018.10	no
Q5. 163	GC-FID	NO
Q5. 163	LC-UV, other	NO
Q5. 164	LC-MS, other	no
Q5. 165	LC-UV, other	No
Q5. 168	AOAC 2018.10	no
Q5. 169	GC-FID	no
Q5. 170	GC-FID	no
Q5. 172	Other	no
Q5. 172	LC-UV, other	no
Q5. 174	AOAC 2018.11, diode array	no
Q5. 175	AOAC 2018.10	no
Q5. 176	LC-UV, other	no
Q5. 177	AOAC 2018.11, diode array	no
Q5. 179	LC-UV, other	no

Q6. Does your lab have ISO 17025 accreditation?

	Lab Num	THC method	Answer	
Q6.	101	LC-UV, other	no	
Q6.	103	AOAC 2018.11, diode array	no	
Q6.	105	LC-MS, other		yes
Q6.	106	LC-UV, other	no	
Q6.	107	Other	No	
Q6.	108	AOAC 2018.10		yes
Q6.	109	LC-UV, other	no	
Q6.	112	GC-FID	no	
Q6.	113	AOAC 2018.11, diode array		yes
Q6.	114	GC-FID		yes
Q6.	115	AOAC 2018.10	no	
Q6.	116	LC-UV, other	no	
Q6.	116	GC-FID	no	
Q6.	118	AOAC 2018.11, diode array	no	
Q6.	119	LC-MS, other	no	
Q6.	120	Other		yes
Q6.	121	GC-FID		yes
Q6.	122	LC-MS, other	NO	
Q6.	123	AOAC 2018.11, diode array	no	
Q6.	124	LC-UV, other		yes
Q6.	125	LC-UV, other		yes
Q6.	127	GC-MS	no	
Q6.	127	LC-UV, other	no	
Q6.	128	GC-FID		yes
Q6.	131	Other	no	

Q6. 132	Other		yes
Q6. 135	LC-UV, other	no	
Q6. 136	LC-UV, other	No	
Q6. 137	Other		yes
Q6. 138	GC-FID	no	
Q6. 139	LC-MS, other	no	
Q6. 140	LC-UV, other		yes
Q6. 141	LC-UV, other	no	
Q6. 142	LC-UV, other		yes
Q6. 143	GC-FID	no	
Q6. 144	LC-MS, other		yes
Q6. 144	LC-UV, other		yes
Q6. 145	AOAC 2018.11, diode array	no	
Q6. 148	AOAC 2018.10	no	
Q6. 149	LC-UV, other		yes
Q6. 149	LC-MS, other		yes
Q6. 150	LC-UV, other	No	
Q6. 151	GC-MS		yes
Q6. 152	LC-UV, other	no	
Q6. 153	GC-FID		yes
Q6. 154	LC-MS, other	No	
Q6. 154	LC-UV, other	No	
Q6. 155	AOAC 2018.11, diode array	no	
Q6. 156	LC-MS, other	no	
Q6. 159	LC-MS, other	no	
Q6. 160	AOAC 2018.10	no	
Q6. 161	LC-UV, other		yes
Q6. 162	AOAC 2018.10	no	
Q6. 163	LC-UV, other	NO	

Q6.	163	GC-FID	NO	
Q6.	164	LC-MS, other		yes
Q6.	165	LC-UV, other		yes
Q6.	168	AOAC 2018.10	no	
Q6.	169	GC-FID		yes
Q6.	170	GC-FID		yes
Q6.	172	LC-UV, other	no	
Q6.	172	Other	no	
Q6.	174	AOAC 2018.11, diode array	no	
Q6.	175	AOAC 2018.10	no	
Q6.	176	LC-UV, other		yes
Q6.	177	AOAC 2018.11, diode array	no	
Q6.	179	LC-UV, other	no	

Q7. If yes to Q06, is total THC in hemp within your scope of accreditation?

	Lab Num	THC method	Answer	
Q7.	105	LC-MS, other		yes
Q7.	106	LC-UV, other	no	
Q7.	108	AOAC 2018.10		yes
Q7.	113	AOAC 2018.11, diode array	no	
Q7.	114	GC-FID	no	
Q7.	120	Other	No	
Q7.	121	GC-FID	no	
Q7.	124	LC-UV, other		yes
Q7.	125	LC-UV, other		yes
Q7.	128	GC-FID		yes
Q7.	131	Other		yes
Q7.	132	Other		yes

Q7.	137	Other		yes
Q7.	140	LC-UV, other	No	
Q7.	142	LC-UV, other		yes
Q7.	144	LC-MS, other	no	
Q7.	144	LC-UV, other	no	
Q7.	149	LC-UV, other	no	
Q7.	149	LC-MS, other	no	
Q7.	151	GC-MS	No	
Q7.	153	GC-FID		yes
Q7.	161	LC-UV, other	No	
Q7.	164	LC-MS, other	no	
Q7.	165	LC-UV, other	No	
Q7.	168	AOAC 2018.10	no	
Q7.	169	GC-FID	no	
Q7.	170	GC-FID	no	
Q7.	176	LC-UV, other	no	

Q8. Do you determine measurment uncertainty for total THC considering both precision and trueness (see sheet entitled uncertainty)?

	Lab Num	THC method	Answer	
Q8.	101	LC-UV, other	no	
Q8.	105	LC-MS, other	no	
Q8.	106	LC-UV, other		yes
Q8.	107	Other	No	
Q8.	108	AOAC 2018.10		yes
Q8.	109	LC-UV, other	no	
Q8.	112	GC-FID	no	
Q8.	113	AOAC 2018.11, diode array	no	
Q8.	114	GC-FID	no	

Q8. 115	AOAC 2018.10	no	
Q8. 116	LC-UV, other	no	
Q8. 116	GC-FID	no	
Q8. 118	AOAC 2018.11, diode array	no	
Q8. 119	LC-MS, other	no	
Q8. 120	Other		yes
Q8. 121	GC-FID		yes
Q8. 123	AOAC 2018.11, diode array		yes
Q8. 124	LC-UV, other		yes
Q8. 125	LC-UV, other	no	
Q8. 127	LC-UV, other	no	
Q8. 127	GC-MS	no	
Q8. 128	GC-FID		yes
Q8. 131	Other	no	
Q8. 132	Other		yes
Q8. 135	LC-UV, other	no	
Q8. 136	LC-UV, other		yes
Q8. 137	Other	No	
Q8. 138	GC-FID		yes
Q8. 139	LC-MS, other	no	
Q8. 140	LC-UV, other	No	
Q8. 141	LC-UV, other	no	
Q8. 142	LC-UV, other	no	
Q8. 143	GC-FID	no	
Q8. 144	LC-UV, other	no	
Q8. 144	LC-MS, other	no	
Q8. 145	AOAC 2018.11, diode array	no	
Q8. 148	AOAC 2018.10	no	
Q8. 149	LC-UV, other	no	

Q8.	149	LC-MS, other	no	
Q8.	150	LC-UV, other	No	
Q8.	151	GC-MS	No	
Q8.	152	LC-UV, other	no	
Q8.	153	GC-FID		yes
Q8.	154	LC-MS, other	No	
Q8.	154	LC-UV, other	No	
Q8.	155	AOAC 2018.11, diode array	no	
Q8.	156	LC-MS, other	no	
Q8.	159	LC-MS, other	no	
Q8.	160	AOAC 2018.10	no	
Q8.	161	LC-UV, other	No	
Q8.	162	AOAC 2018.10	no	
Q8.	164	LC-MS, other		yes
Q8.	165	LC-UV, other	no	
Q8.	168	AOAC 2018.10	no	
Q8.	169	GC-FID	no	
Q8.	170	GC-FID	no	
Q8.	172	LC-UV, other	no	
Q8.	172	Other	no	
Q8.	174	AOAC 2018.11, diode array	no	
Q8.	175	AOAC 2018.10	no	
Q8.	176	LC-UV, other	no	
Q8.	177	AOAC 2018.11, diode array	no	
Q8.	179	LC-UV, other	no	

Q9. If yes to Q08, what is your expanded measurement uncertainty, U, for % total THC in hemp?

	Lab Num	THC method	Answer
Q9.	106	LC-UV, other	0.01
Q9.	108	AOAC 2018.10	0.0909
Q9.	114	GC-FID	NA
Q9.	120	Other	.0628% at 95% confidence level
Q9.	121	GC-FID	19.55%
Q9.	123	AOAC 2018.11, diode array	0.0036%
Q9.	124	LC-UV, other	0.0128
Q9.	128	GC-FID	+/- 0.06%
Q9.	132	Other	0.02
Q9.	136	LC-UV, other	U
Q9.	138	GC-FID	0.08
Q9.	140	LC-UV, other	NA
Q9.	144	LC-MS, other	n/a
Q9.	144	LC-UV, other	n/a
Q9.	148	AOAC 2018.10	N/A
Q9.	153	GC-FID	0.0447
Q9.	161	LC-UV, other	NA
Q9.	164	LC-MS, other	0.0340

Q10. Is your lab aware of the recent interim final rule for hemp production released by the USDA?

	Lab Num	THC method	Answer
Q10	101	LC-UV, other	yes
Q10	105	LC-MS, other	yes
Q10	106	LC-UV, other	yes
Q10	107	Other	yes

Q10 108	AOAC 2018.10		yes
Q10 109	LC-UV, other		yes
Q10 112	GC-FID		yes
Q10 113	AOAC 2018.11, diode array		yes
Q10 114	GC-FID		yes
Q10 115	AOAC 2018.10		yes
Q10 116	GC-FID		yes
Q10 116	LC-UV, other		yes
Q10 118	AOAC 2018.11, diode array		yes
Q10 119	LC-MS, other		yes
Q10 120	Other		yes
Q10 121	GC-FID		yes
Q10 123	AOAC 2018.11, diode array		yes
Q10 124	LC-UV, other		yes
Q10 125	LC-UV, other		yes
Q10 127	GC-MS		yes
Q10 127	LC-UV, other		yes
Q10 128	GC-FID		yes
Q10 131	Other		yes
Q10 132	Other		yes
Q10 135	LC-UV, other		yes
Q10 136	LC-UV, other		yes
Q10 137	Other		yes
Q10 138	GC-FID		yes
Q10 139	LC-MS, other		yes
Q10 140	LC-UV, other		yes
Q10 141	LC-UV, other	No	
Q10 142	LC-UV, other		yes
Q10 143	GC-FID		yes

Q10 144	LC-MS, other		yes
Q10 144	LC-UV, other		yes
Q10 145	AOAC 2018.11, diode array		yes
Q10 148	AOAC 2018.10		yes
Q10 149	LC-MS, other		yes
Q10 149	LC-UV, other		yes
Q10 150	LC-UV, other		yes
Q10 151	GC-MS		yes
Q10 152	LC-UV, other		yes
Q10 153	GC-FID		yes
Q10 154	LC-UV, other		yes
Q10 154	LC-MS, other		yes
Q10 156	LC-MS, other		yes
Q10 159	LC-MS, other		yes
Q10 160	AOAC 2018.10		yes
Q10 161	LC-UV, other		yes
Q10 162	AOAC 2018.10	no	
Q10 164	LC-MS, other		yes
Q10 165	LC-UV, other		yes
Q10 168	AOAC 2018.10		yes
Q10 169	GC-FID		yes
Q10 170	GC-FID		yes
Q10 172	LC-UV, other		yes
Q10 172	Other		yes
Q10 174	AOAC 2018.11, diode array		yes
Q10 175	AOAC 2018.10		yes
Q10 176	LC-UV, other		yes
Q10 177	AOAC 2018.11, diode array		yes
Q10 179	LC-UV, other		yes