reviewed 9/29/17

9/28/2017

Worklist: 1915

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2017-1759	1	96035	AM 27 Blood THC Quant by LC
C2017-1761	1	96036	AM 27 Blood THC Quant by LC
C2017-1774	1	96037	AM 27 Blood THC Quant by LC
C2017-1832	1	96352	AM 27 Blood THC Quant by LC
C2017-1919	1	96042	AM 27 Blood THC Quant by LC
M2017-2498	2	96043	AM 27 Blood THC Quant by LC
M2017-3654	1	96038	AM 27 Blood THC Quant by LC
M2017-3719	1	96039	AM 27 Blood THC Quant by LC
M2017-3773	1	96044	AM 27 Blood THC Quant by LC
M2017-3900	2	96040	AM 27 Blood THC Quant by LC
M2017-3999	1	96041	AM 27 Blood THC Quant by LC

Quantitation of THC and Metabolites in Blood by LC-MS/MS

Extraction Date: 9-26-17 Analyst: Anne Nord

Plate lot#: 0499102 Plate Expiration: 1/29/2018

Mobile phase A: 0.1% Formic Acid in LCMS Water **Mobile phase B:** 0.1% Formic acid in Acetonitrile
MTBE LCMS Methanol Hexane
Blank Blood Lot: 321632-1 **Column**: UCT Selectra DA 100 x 2.1mm 3um
LCMS-QQQ ID: 62340

Pre-Analytic:

- ☑ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- ☑ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- ☑ 3. Create worklist:

Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- ☑ 2. Pipette **1000µL blood (calibrated pipette) Pipette ID: 2609543** in wells of analytical (standards) plate.
- ☑ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- ☑ 4. Pipette **500µL 0.1% formic acid in water** in wells of analytical plate.
- ☑ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☑ 6. Transfer **800µL of blood+acid** mixture to corresponding wells of SLE+ plate.
- ☑ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)*** Manifold ID: 66729
- ☑ 8. Wait 5 minutes.
- ☑ 9. Add **2.25mL MTBE. (*Add in 3 increments of 750uL)***
- ☑ 10. Wait 5 minutes.
- ☑ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
- ☑ 12. Add **2.25mL Hexane. (*Add in 3 increments of 750uL)***
- ☑ 13. Wait 5 minutes.
- ☑ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
- ☑ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 66819*
- ☑ 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- ☑ 1. Create batch and process data.
  Worklist path: 92617 conn quant Batch Name: 92617 conn quant
- ☑ 2. Make any necessary integration changes, r^2 values ≥0.98 for each analyte.
- ☑ 3. Did all QCs pass for each analyte? Y / N Enter QCs into control charting?
- ☑ 4. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Click here to enter text.

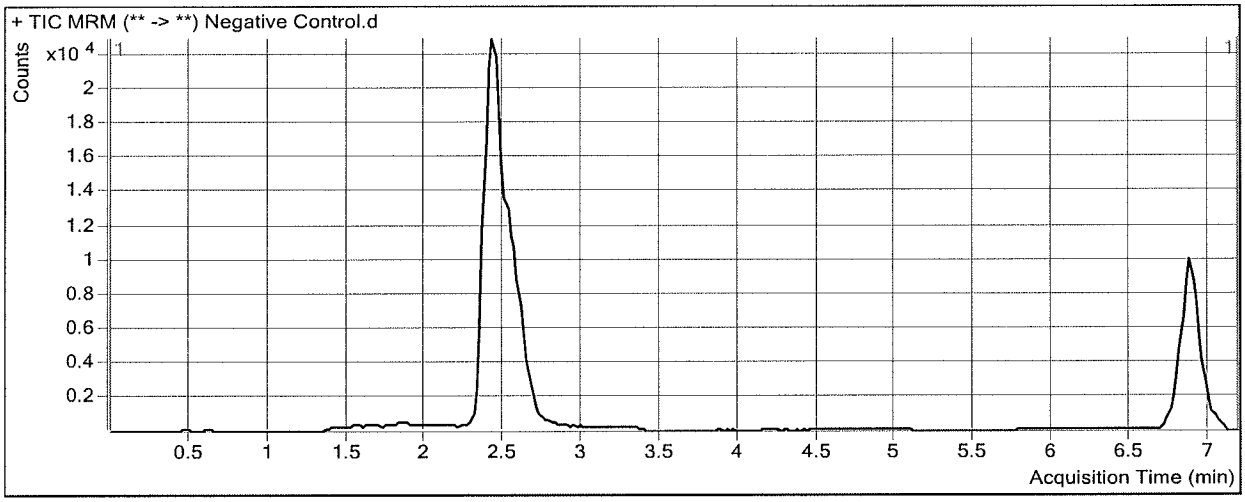
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 13:07	**Data File**	Negative Control.d
Sample Type	Sample	**Sample Name**	Negative Control
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-A2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



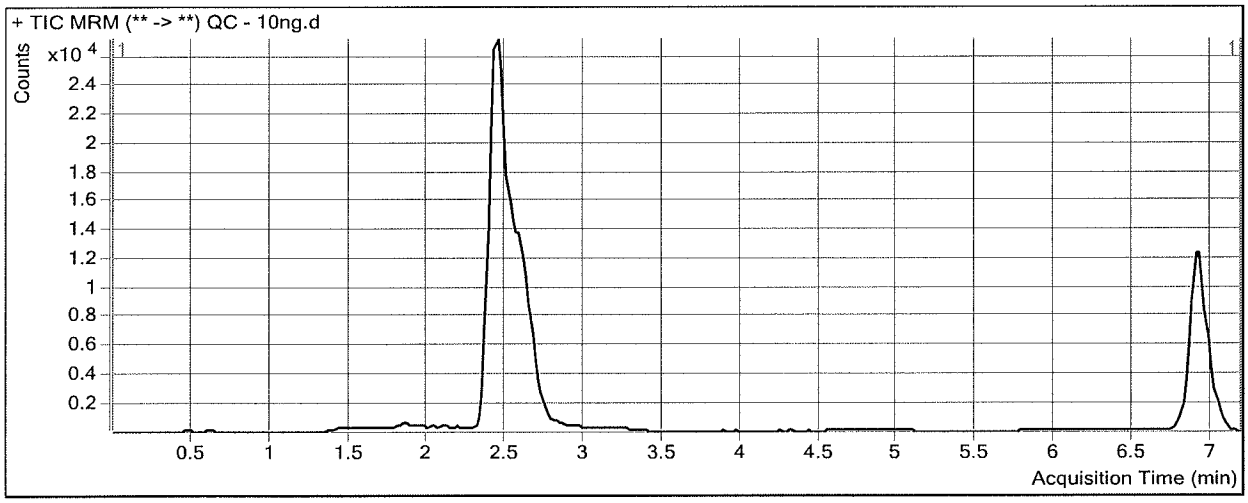
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 13:19	**Data File**	QC - 10ng.d
Sample Type	QC	**Sample Name**	QC - 10ng
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-H1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.456	19274	203142	0.0949	8.9572
THC-COOH	THC-COOH-d9	2.626	14384	74586	0.1929	8.4252
THC	THC-d3	6.913	10541	84505	0.1247	9.5295

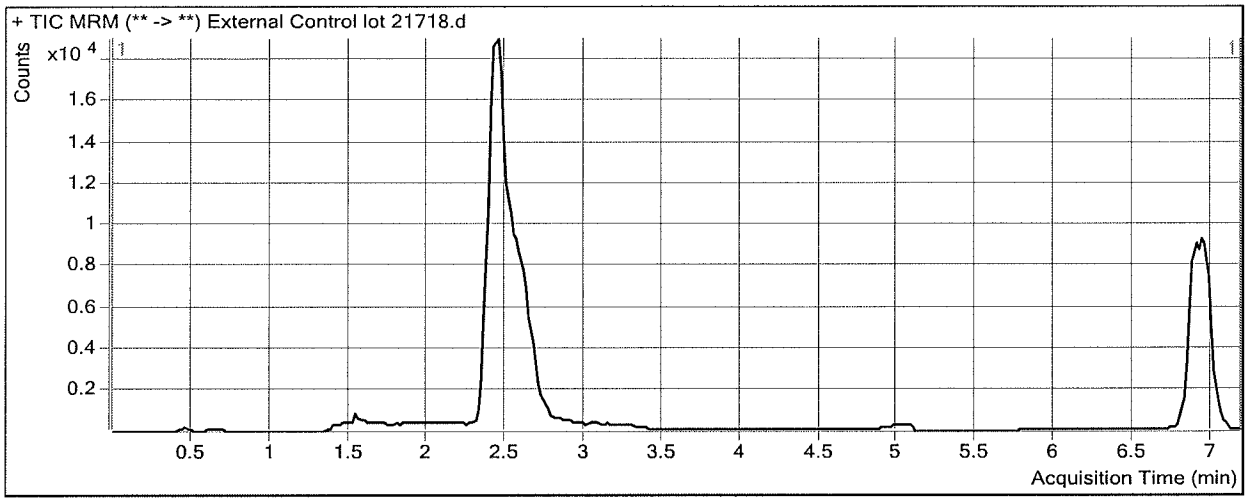
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 13:31	**Data File**	External Control lot 21718.d
Sample Type	Sample	**Sample Name**	External Control lot 21718
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-B2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.456	14836	133669	0.1110	10.5661
THC-COOH	THC-COOH-d9	2.626	11620	44397	0.2617	11.7636
THC	THC-d3	6.933	11396	71999	0.1583	12.2422

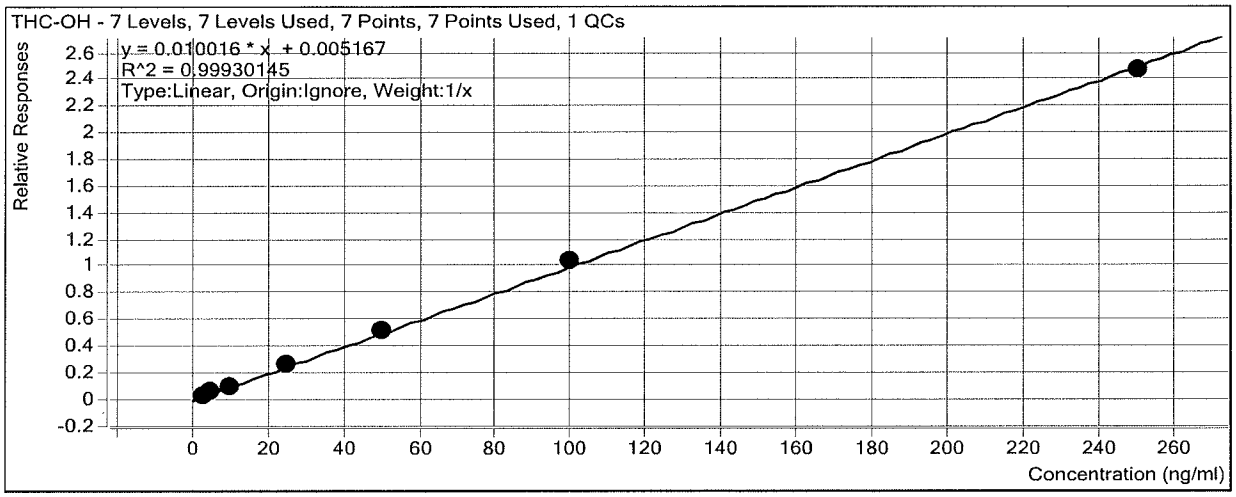
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin

Last Calib Update 9/28/2017 9:52 AM **Analyst Name** ISP TOX

Target Compound *THC-OH*

Internal Standard *THC-OH-d3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
Cal 1 - 3ng	1	☑	3	3.0	100.6
Cal 2 - 5ng	2	☑	5	4.9	98.8
Cal 3 - 10ng	3	☑	10	9.3	93.1
QC - 10ng	3	☑	10	9.0	89.6
Cal 4 - 25ng	4	☑	25	26.2	104.7
Cal 5 - 50ng	5	☑	50	50.9	101.7
Cal 6 - 100ng	6	☑	100	102.8	102.8
Cal 7 - 250ng	7	☑	250	245.9	98.4

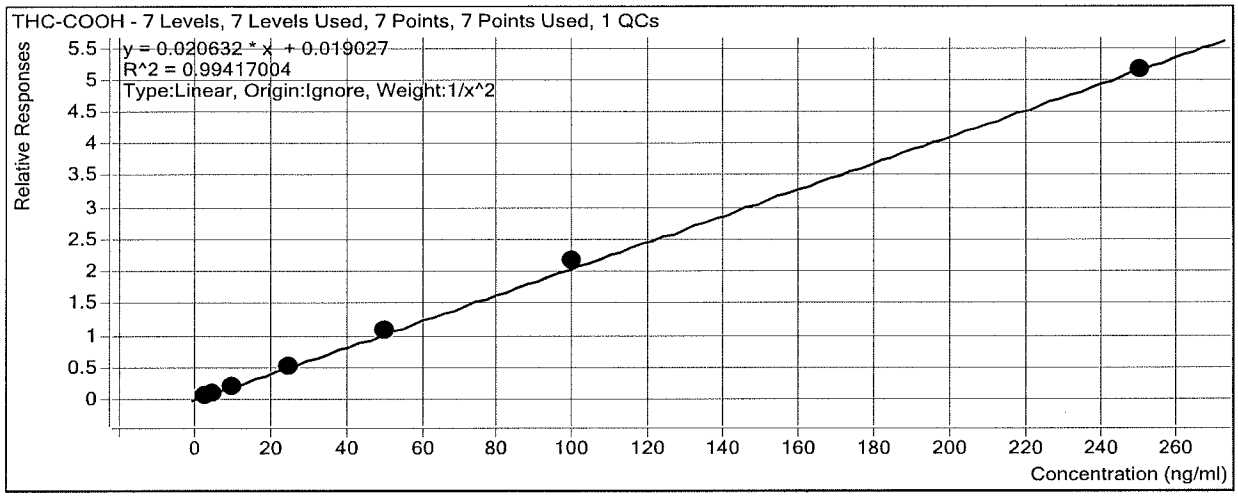
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin

Last Calib Update 9/28/2017 9:52 AM **Analyst Name** ISP TOX

Target Compound *THC-COOH*

Internal Standard *THC-COOH-d9*



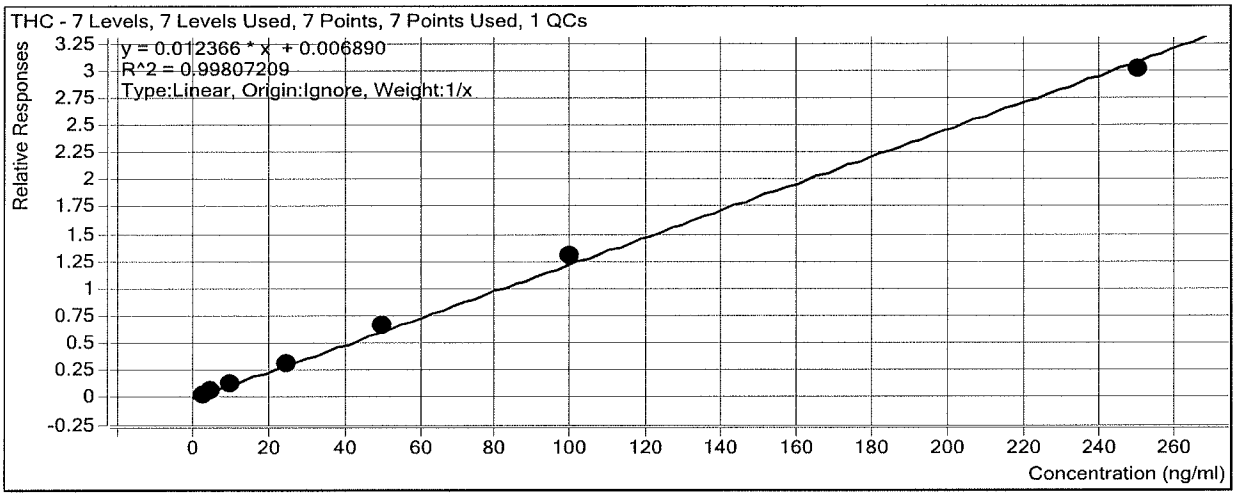
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
Cal 1 - 3ng	1	☑	3	3.2	107.2
Cal 2 - 5ng	2	☑	5	4.5	90.7
Cal 3 - 10ng	3	☑	10	9.3	92.7
QC - 10ng	3	☑	10	8.4	84.3
Cal 4 - 25ng	4	☑	25	25.4	101.5
Cal 5 - 50ng	5	☑	50	51.4	102.9
Cal 6 - 100ng	6	☑	100	105.4	105.4
Cal 7 - 250ng	7	☑	250	249.0	99.6

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin

Last Calib Update 9/28/2017 9:52 AM **Analyst Name** ISP TOX

Target Compound *THC*
Internal Standard *THC-d3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
Cal 1 - 3ng	1	☑	3	2.5	82.0
Cal 2 - 5ng	2	☑	5	5.5	110.4
Cal 3 - 10ng	3	☑	10	9.9	98.8
QC - 10ng	3	☑	10	9.5	95.3
Cal 4 - 25ng	4	☑	25	25.5	102.0
Cal 5 - 50ng	5	☑	50	52.6	105.3
Cal 6 - 100ng	6	☑	100	104.4	104.4
Cal 7 - 250ng	7	☑	250	242.6	97.0

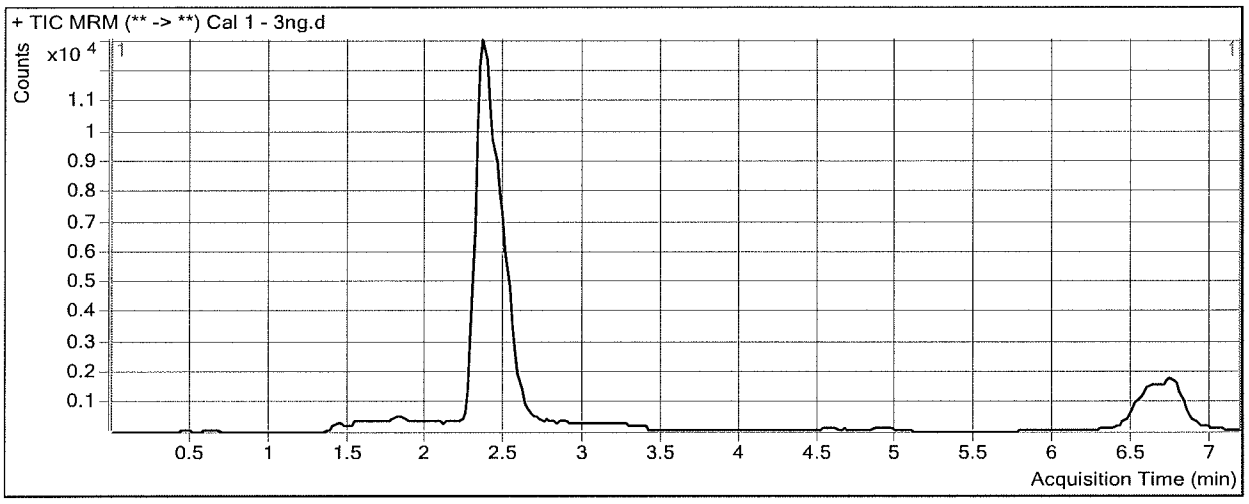
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 11:32	**Data File**	Cal 1 - 3ng.d
Sample Type	Calibration	**Sample Name**	Cal 1 - 3ng
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-A1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.396	3452	97526	0.0354	3.0186
THC-COOH	THC-COOH-d9	2.506	3281	38417	0.0854	3.2171
THC	THC-d3	6.733	1097	29405	0.0373	2.4602

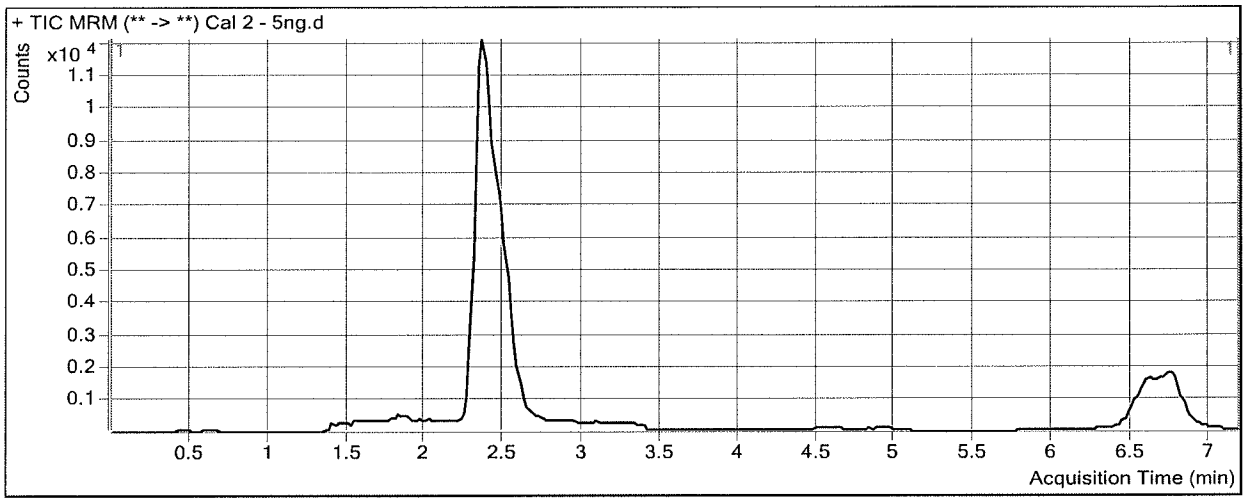
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 11:44	**Data File**	Cal 2 - 5ng.d
Sample Type	Calibration	**Sample Name**	Cal 2 - 5ng
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-B1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.396	4795	87786	0.0546	4.9383
THC-COOH	THC-COOH-d9	2.526	3855	34222	0.1126	4.5372
THC	THC-d3	6.753	2212	29420	0.0752	5.5220

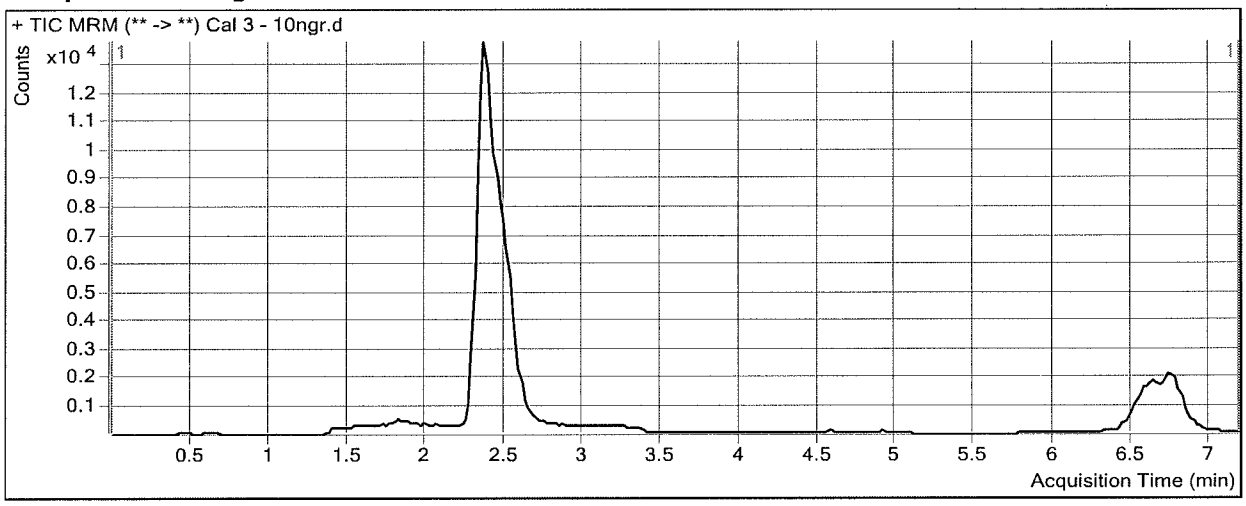
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 11:56	**Data File**	Cal 3 - 10ngr.d
Sample Type	Calibration	**Sample Name**	Cal 3 - 10ng
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-C1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.376	9133	92839	0.0984	9.3059
THC-COOH	THC-COOH-d9	2.526	7283	34633	0.2103	9.2698
THC	THC-d3	6.733	3972	30761	0.1291	9.8837

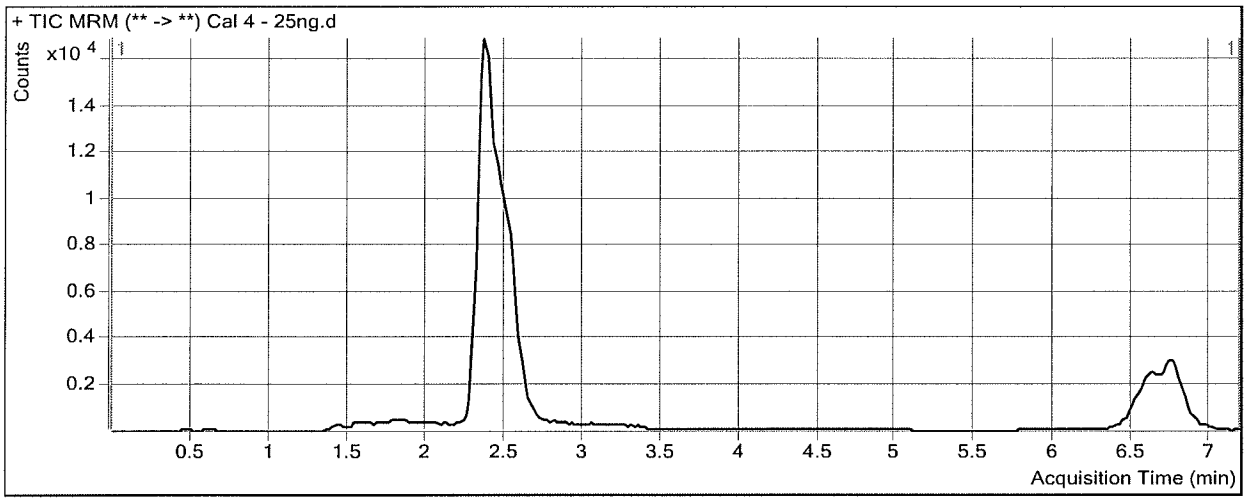
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 12:08	**Data File**	Cal 4 - 25ng.d
Sample Type	Calibration	**Sample Name**	Cal 4 - 25ng
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-D1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.396	27189	101704	0.2673	26.1764
THC-COOH	THC-COOH-d9	2.526	20829	38394	0.5425	25.3729
THC	THC-d3	6.753	11449	35546	0.3221	25.4889

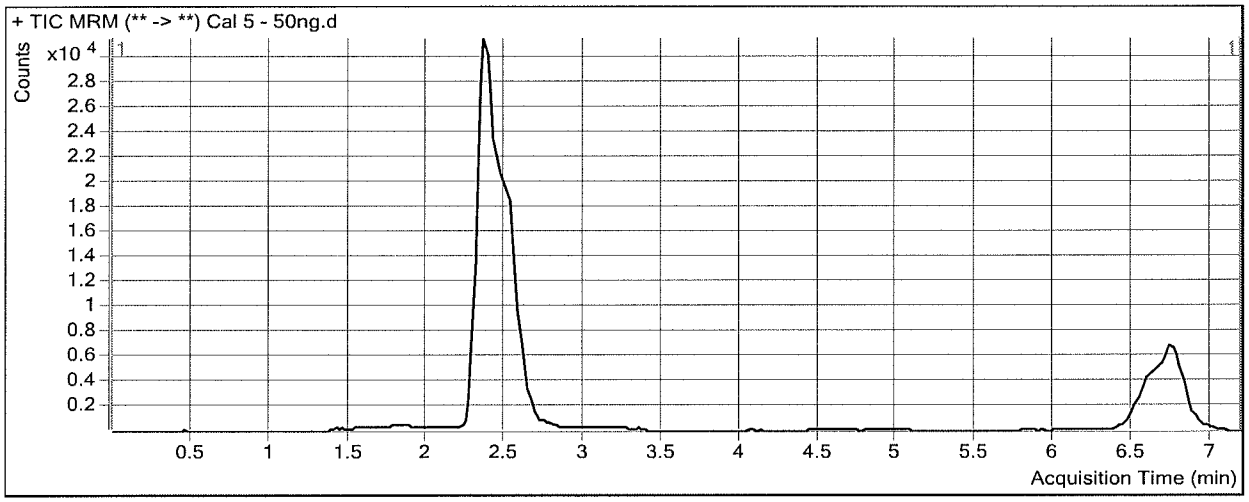
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 12:20	**Data File**	Cal 5 - 50ng.d
Sample Type	Calibration	**Sample Name**	Cal 5 - 50ng
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-E1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.376	83367	162029	0.5145	50.8564
THC-COOH	THC-COOH-d9	2.526	61669	57083	1.0803	51.4396
THC	THC-d3	6.733	37876	57565	0.6580	52.6492

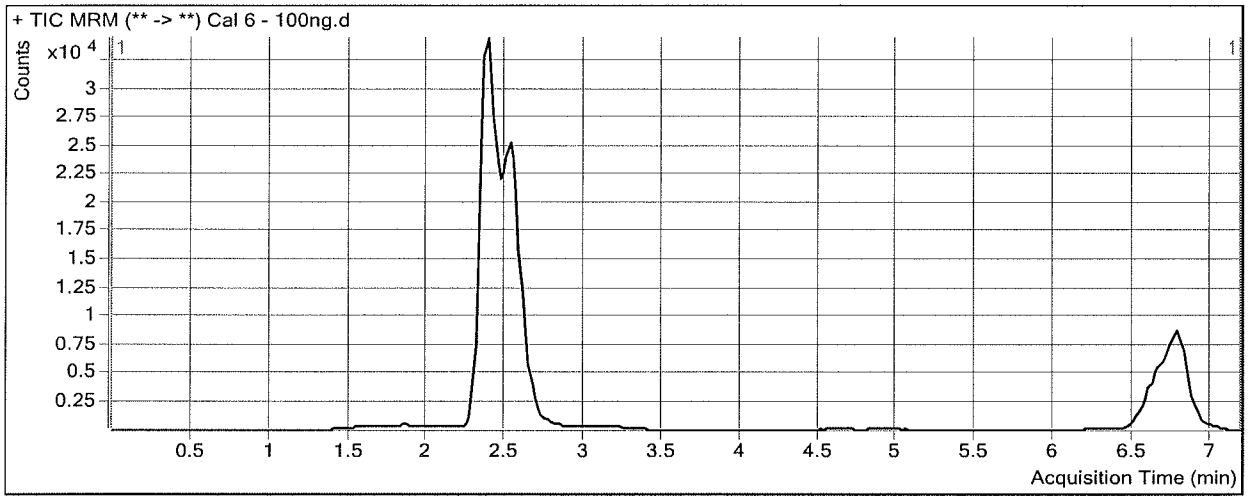
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 12:32	**Data File**	Cal 6 - 100ng.d
Sample Type	Calibration	**Sample Name**	Cal 6 - 100ng
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-F1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.396	131632	127256	1.0344	102.7623
THC-COOH	THC-COOH-d9	2.546	100049	45626	2.1928	105.3596
THC	THC-d3	6.773	59294	45666	1.2984	104.4413

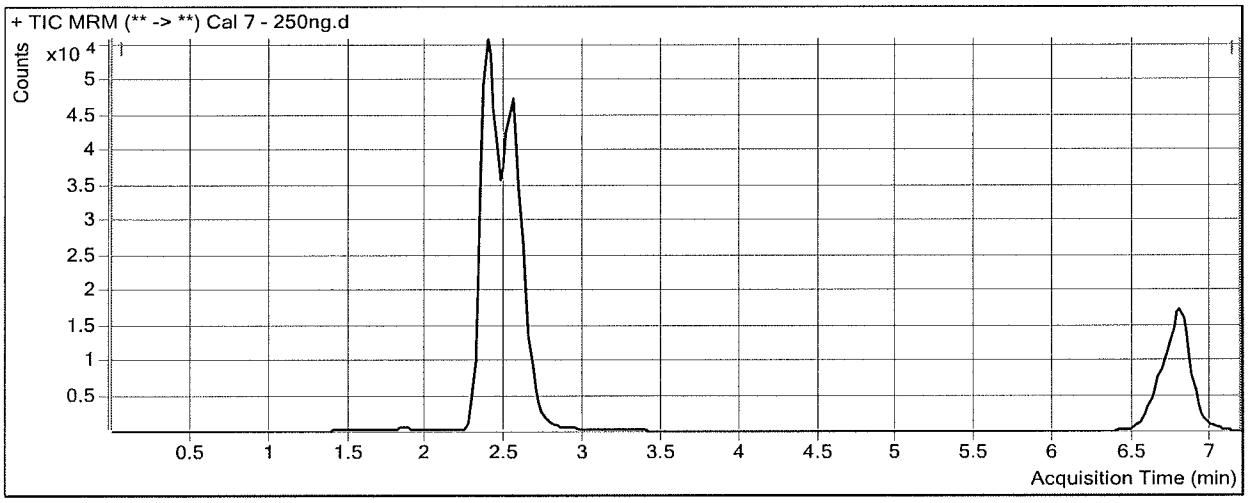
ISP FORENSICS - Cd'A Instrument # 62340
Cannabinoids Analysis Report

Batch Data Path	D:\2017 Data\92617 cann quant\QuantResults\92617 cann quant.batch.bin		
Analysis Time	9/28/2017 9:52 AM	**Analyst Name**	ISP Tox
Report Time	9/28/2017 9:54 AM	**Reporter Name**	ISP Tox
Last Calib Update	9/28/2017 9:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-09-27 12:43	**Data File**	Cal 7 - 250ng.d
Sample Type	Calibration	**Sample Name**	Cal 7 - 250ng
Dilution	1	**Acq Method**	AM 27 Quant THC 7-2017.m
Position	P1-G1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 27 Cannabinoid Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-d3	2.396	298248	120826	2.4684	245.9422
THC-COOH	THC-COOH-d9	2.546	219345	42543	5.1559	248.9758
THC	THC-d3	6.793	134655	44790	3.0064	242.5547

Quantitation of THC and Metabolites in Blood by LC-MS/MS

Extraction Date: 9-13-17 Analyst: Anne Ward

Plate lot#: 0499102 Plate Expiration: 1/29/2018

Mobile phase A: 0.1% Formic Acid in LCMS Water **Mobile phase B:** 0.1% Formic acid in Acetonitrile
MTBE LCMS Methanol Hexane
Blank Blood Lot: 321632-1 **Column:** UCT Selectra DA 100 x 2.1mm 3um
LCMS-QQQ ID: 62340

Pre-Analytic:

- ☑ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- ☑ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- ☑ 3. Create worklist:

Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- ☑ 2. Pipette **1000µL blood (calibrated pipette) Pipette ID: 2609543** in wells of analytical (standards) plate.
- ☑ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- ☑ 4. Pipette **500µL 0.1% formic acid in water** in wells of analytical plate.
- ☑ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☑ 6. Transfer **800µL of blood+acid** mixture to corresponding wells of SLE+ plate.
- ☑ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)*** Manifold ID: 66729
- ☑ 8. Wait 5 minutes.
- ☑ 9. Add **2.25mL MTBE. (*Add in 3 increments of 750uL)***
- ☑ 10. Wait 5 minutes.
- ☑ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
- ☑ 12. Add **2.25mL Hexane. (*Add in 3 increments of 750uL)***
- ☑ 13. Wait 5 minutes.
- ☑ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
- ☑ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 66819*
- ☑ 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- ☑ 1. Create batch and process data.
  Worklist path: 91317 cann quant Batch Name: 091317 cann quant
- ☐ 2. Make any necessary integration changes, r^2 values ≥0.98 for each analyte. — fail
- ☐ 3. Did all QCs pass for each analyte? Y / (N) Enter QCs into control charting?
- ☐ 4. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Click here to enter text.

This run failed. Samples were re-extracted and run with the next batch.

C2017-1759-1 M2017-3654-1 M2017-3999-1
C2017-1761-1 M2017-3719-1
C2017-1774-1 M2017-3900-2

Sample							THC-CO...	THC-COOH Results						Qualifier (345...	Qualifier (345.2 -> 299.1)...				THC-COOH-d...	
!		Name	Type	Level	Acq. Date-Time	Pos.	Exp. Conc.	RT	Resp.	S/N	MI	Calc. Conc.	Accuracy	Transition	Ratio	MI	Area	S/N	RT	Resp.
		Cal 1 - 3ng	Cal	1	9/15/2017 6:42...	P1-A1	3.0000	2.406	16981	51....		3.0290	101.0	345.2 -> 299...	15.0		2545	12.53	2.382	76198
		Cal 2 - 5ng	Cal	2	9/15/2017 6:54...	P1-B1	5.0000	2.406	16543	20....		4.9357	98.7	345.2 -> 299...	20.9		3460	14.05	2.362	61154
		Cal 3 - 10ng	Cal	3	9/16/2017 9:08...	P1-C1	10.0000							345.2 -> 299...						
		Cal 4 - 25ng	Cal	4	9/16/2017 9:20...	P1-D1	25.0000	2.426	31855	139...		14.30...	57.2	345.2 -> 299...	35.4		11286	38.40	2.382	63122
		Cal 5 - 50ng	Cal	5	9/16/2017 9:31...	P1-E1	50.0000	2.426	1542...	Infi...		101.6...	203.3	345.2 -> 299...	46.8		72204	699.46	2.382	57387
		Cal 6 - 100ng	Cal	6	9/16/2017 9:43...	P1-F1	100.0000	2.426	1179...	285...		70.12...	70.1	345.2 -> 299...	43.8		51610	49.37	2.382	62087
		Cal 7 - 250ng	Cal	7	9/16/2017 9:55...	P1-G1	250.0000	2.426	2835...	Infi...		174.2...	69.7	345.2 -> 299...	47.9		1357...	Infinity	2.382	62987
		Negative Control	Sam...		9/16/2017 10:1...	P1-A2								345.2 -> 299...						
		QC - 10ng	QC	3	9/16/2017 10:3...	P1-H1	10.0000	2.466	24413	36....		13.58...	135.9	345.2 -> 299...	36.5		8913	52.28	2.402	50160
		External Control lot 217...	Sam...		9/16/2017 10:4...	P1-B2		2.426	28569	50....		4.4688		345.2 -> 299...	30.0		8559	43.60	2.402	1103...
		blank c2017-1759-1	Sam...		9/16/2017 10:5...	Vial 2								345.2 -> 299...					2.382	27467
		C2017-1759-1	Sam...		9/16/2017 11:0...	P1-C2		2.426	45699	84....		15.75...		345.2 -> 299...	57.9		26481	307.09	2.382	84501
		blank c2017-1761-1	Sam...		9/16/2017 11:1...	Vial 2								345.2 -> 299...					2.402	27480
		c2017-1761-1	Sam...		9/16/2017 11:3...	P1-D2		2.426	1240...	434...		59.91...		345.2 -> 299...	52.5		65085	157.66	2.382	75414
		blank c2017-1774-1	Sam...		9/16/2017 11:4...	Vial 2								345.2 -> 299...					2.442	28364
		c2017-1774-1	Sam...		9/16/2017 11:5...	P1-E2		2.486	1636...	156...		54.55...		345.2 -> 299...	43.7		71477	30.96	2.442	1083...
		blank m2017-3654-1	Sam...		9/16/2017 12:0...	Vial 2								345.2 -> 299...					2.422	27699
		m2017-3654-1	Sam...		9/16/2017 12:1...	P1-F2		2.486	23637	52....		7.7865		345.2 -> 299...	38.5		9102	67.60	2.442	69164
		blank m2017-3719-1	Sam...		9/16/2017 12:2...	Vial 2								345.2 -> 299...					2.422	27079
		m2017-3719-1	Sam...		9/16/2017 12:4...	P1-G2		2.486	73031	306...		33.77...		345.2 -> 299...	37.4		27314	154.93	2.422	73671
		blank m2017-3900-2	Sam...		9/16/2017 12:5...	Vial 2								345.2 -> 299...					2.442	27249
		m2017-3900-2	Sam...		9/16/2017 1:05...	P1-H2		2.486	1244...	Infi...		58.77...		345.2 -> 299...	44.4		55242	188.11	2.442	77030
		blank m2017-3999-1	Sam...		9/16/2017 1:17...	Vial 2								345.2 -> 299...					2.422	27179
		m2017-3999-1	Sam...		9/16/2017 1:28...	P1-A3								345.2 -> 299...						

Sample							THC...	THC-OH Results						Qualifier (331...	Qualifier (331.2 -> 193.0)...				THC-OH-d3 (I.	
!		Name	Type	Level	Acq. Date-Time	Pos.	Exp. Conc.	RT	Resp.	S/N	MI	Calc. Conc.	Accuracy	Transition	Ratio	MI	Area	S/N	RT	Resp.
		Cal 1 - 3ng	Cal	1	9/15/2017 6:42 P...	P1-A1	3.00...	2.295	6582	7.91		1.6397	54.7	331.2 -> 193...					2.292	2221.
		Cal 2 - 5ng	Cal	2	9/15/2017 6:54 P...	P1-B1	5.00...	2.315	10173	18.40		4.1359	82.7	331.2 -> 193...	12.4		1259	20.28	2.292	1867.
		Cal 3 - 10ng	Cal	3	9/16/2017 9:08 A...	P1-C1	10.0...							331.2 -> 193...						
		Cal 4 - 25ng	Cal	4	9/16/2017 9:20 A...	P1-D1	25.0...	2.315	33450	109.57		16.6161	66.5	331.2 -> 193...	13.1		4378	36.15	2.292	1871.
		Cal 5 - 50ng	Cal	5	9/16/2017 9:31 A...	P1-E1	50.0...	2.315	1962...	Infinity		113.6681	227.3	331.2 -> 193...	12.4		24395	287.88	2.312	1713.
		Cal 6 - 100ng	Cal	6	9/16/2017 9:43 A...	P1-F1	100....	2.315	1631...	501.99		83.4133	83.4	331.2 -> 193...	12.5		20353	235.49	2.292	1932.
		Cal 7 - 250ng	Cal	7	9/16/2017 9:55 A...	P1-G1	250....	2.315	4172...	Infinity		213.5268	85.4	331.2 -> 193...	12.2		50752	335.27	2.292	1950.
		Negative Control	Sa...		9/16/2017 10:19...	P1-A2								331.2 -> 193...						
		QC - 10ng	QC	3	9/16/2017 10:31...	P1-H1	10.0...	2.336	25385	40.85		16.1562	161.6	331.2 -> 193...	13.0		3302	53.80	2.332	1457.
		External Control lot 217...	Sa...		9/16/2017 10:43...	P1-B2		2.315	22288	28.07		5.7621		331.2 -> 193...	13.3		2964	23.13	2.312	3153.
		blank c2017-1759-1	Sa...		9/16/2017 10:54...	Vial 2								331.2 -> 193...					2.292	1397.
		C2017-1759-1	Sa...		9/16/2017 11:06...	P1-C2								331.2 -> 193...					2.292	2377.
		blank c2017-1761-1	Sa...		9/16/2017 11:18...	Vial 2								331.2 -> 193...					2.292	1410.
		c2017-1761-1	Sa...		9/16/2017 11:30...	P1-D2		2.315	30294	143.34		10.9961		331.2 -> 193...	12.4		3752	13.89	2.292	2467.
		blank c2017-1774-1	Sa...		9/16/2017 11:42...	Vial 2								331.2 -> 193...					2.352	1355.
		c2017-1774-1	Sa...		9/16/2017 11:54...	P1-E2		2.356	16362	17.91		3.8619		331.2 -> 193...	12.9		2104	15.58	2.352	3161.
		blank m2017-3654-1	Sa...		9/16/2017 12:06...	Vial 2								331.2 -> 193...					2.352	1442.
		m2017-3654-1	Sa...		9/16/2017 12:17...	P1-F2		2.356	1466	3.78		0.0000		331.2 -> 193...					2.352	2058.
		blank m2017-3719-1	Sa...		9/16/2017 12:29...	Vial 2								331.2 -> 193...					2.352	1373.
		m2017-3719-1	Sa...		9/16/2017 12:41...	P1-G2		2.356	3177	7.09		0.0973		331.2 -> 193...					2.332	2227.
		blank m2017-3900-2	Sa...		9/16/2017 12:53...	Vial 2								331.2 -> 193...					2.352	1368.
		m2017-3900-2	Sa...		9/16/2017 1:05 P...	P1-H2		2.336	11940	95.93		3.8448		331.2 -> 193...	13.2		1573	13.60	2.352	2314.
		blank m2017-3999-1	Sa...		9/16/2017 1:17 P...	Vial 2								331.2 -> 193...					2.352	1398.
		m2017-3999-1	Sa...		9/16/2017 1:28 P...	P1-A3								331.2 -> 193...						

Sample							THC...	THC Results						Qualifier (315...	Qualifier (315.2 -> 12...				THC-d3 (IST...	
!		Name	Type	Level	Acq. Date-Time	Pos.	Exp. Conc.	RT	Resp.	S/N	MI	Calc. Conc.	Accuracy	Transition	Ratio	MI	Area	S/N	RT	Resp.
		Cal 1 - 3ng	Cal	1	9/15/2017 6:42...	P1-A1	3.0...	6.312	3248	11.73		1.5046	50.2	315.2 -> 123...	30.2		982	4....	6.306	85142
		Cal 2 - 5ng	Cal	2	9/15/2017 6:54...	P1-B1	5.0...	6.312	5087	30.89		4.1841	83.7	315.2 -> 123...	31.6		1609	3....	6.266	71164
		Cal 3 - 10ng	Cal	3	9/16/2017 9:08...	P1-C1	10....							315.2 -> 123...						
		Cal 4 - 25ng	Cal	4	9/16/2017 9:20...	P1-D1	25....	6.353	19250	152.56		17.1594	68.6	315.2 -> 123...	28.5		5490	1...	6.346	82656
		Cal 5 - 50ng	Cal	5	9/16/2017 9:31...	P1-E1	50....	6.373	1031...	343.49		114.9119	229.8	315.2 -> 123...	33.8		34843	2...	6.346	71221
		Cal 6 - 100ng	Cal	6	9/16/2017 9:43...	P1-F1	100...	6.353	87478	Infinity		82.6775	82.7	315.2 -> 123...	34.1		29806	2...	6.346	83476
		Cal 7 - 250ng	Cal	7	9/16/2017 9:55...	P1-G1	250...	6.353	2183...	Infinity		212.5625	85.0	315.2 -> 123...	33.5		73171	In...	6.346	81957
		Negative Control	Sa...		9/16/2017 10:1...	P1-A2								315.2 -> 123...						
		QC - 10ng	QC	3	9/16/2017 10:3...	P1-H1	10....	6.433	13909	60.79		16.7848	167.8	315.2 -> 123...	31.4		4373	1...	6.426	60944
		External Control...	Sa...		9/16/2017 10:4...	P1-B2		6.353	14140	39.89		6.3900		315.2 -> 123...	29.2		4122	1...	6.346	1429...
		blank c2017-17...	Sa...		9/16/2017 10:5...	Vial 2								315.2 -> 123...					6.226	72497
		C2017-1759-1	Sa...		9/16/2017 11:0...	P1-C2		6.373	1167	7.94		0.0000		315.2 -> 123...					6.326	96423
		blank c2017-176...	Sa...		9/16/2017 11:1...	Vial 2								315.2 -> 123...					6.206	70839
		c2017-1761-1	Sa...		9/16/2017 11:3...	P1-D2		6.272	13783	21.89		17.4746		315.2 -> 123...	36.4		5014	3...	6.226	58204
		blank c2017-177...	Sa...		9/16/2017 11:4...	Vial 2								315.2 -> 123...					6.406	69694
		c2017-1774-1	Sa...		9/16/2017 11:5...	P1-E2		6.473	15575	96.82		12.7043		315.2 -> 123...	32.4		5043	1...	6.406	87764
		blank m2017-36...	Sa...		9/16/2017 12:0...	Vial 2								315.2 -> 123...					6.406	69595
		m2017-3654-1	Sa...		9/16/2017 12:1...	P1-F2		6.453	1178	5.67		0.0000		315.2 -> 123...					6.426	64390
		blank m2017-37...	Sa...		9/16/2017 12:2...	Vial 2								315.2 -> 123...					6.406	69306
		m2017-3719-1	Sa...		9/16/2017 12:4...	P1-G2		6.433	1998	9.69		0.9788		315.2 -> 123...	34.0		680	2....	6.426	63209
		blank m2017-39...	Sa...		9/16/2017 12:5...	Vial 2								315.2 -> 123...					6.426	68660
		m2017-3900-2	Sa...		9/16/2017 1:05...	P1-H2		6.553	5585	15.91		9.5329		315.2 -> 123...	26.9		1502	1...	6.406	40465
		blank m2017-39...	Sa...		9/16/2017 1:17...	Vial 2								315.2 -> 123...					6.406	67994
		m2017-3999-1	Sa...		9/16/2017 1:28...	P1-A3								315.2 -> 123...