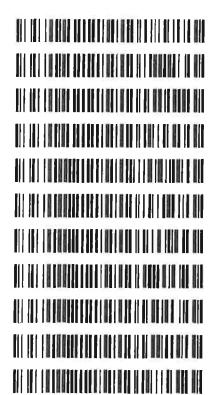
5/31/2018

۷	٧	or	ki	ist:	24	36
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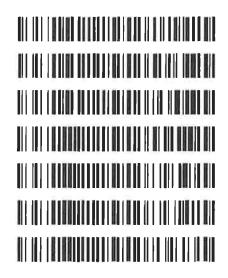
<u>LAB CASE</u> M2018-2208	<u>ITEM</u> 1	TASK ID 117092	DESCRIPTION  AM 27 Blood THC Quant by LC-QQQ
M2018-2370	2	117094	AM 27 Blood THC Quant by LC-QQQ
M2018-2440	3	117096	AM 27 Blood THC Quant by LC-QQQ
M2018-2499	2	117098	AM 27 Blood THC Quant by LC-QQQ
P2018-1155	3	117099	AM 27 Blood THC Quant by LC-QQQ
P2018-1317	1	117100	AM 27 Blood THC Quant by LC-QQQ
P2018-1329	1	117101	AM 27 Blood THC Quant by LC-QQQ
P2018-1394	2	117102	AM 27 Blood THC Quant by LC-QQQ
P2018-1408	1	117103	AM 27 Blood THC Quant by LC-QQQ
P2018-1410	1	117104	AM 27 Blood THC Quant by LC-QQQ
P2018-1431	1	117105	AM 27 Blood THC Quant by LC-QQQ







<u>LAB CASE</u> M2018-2300	<u>ITEM</u> 1	<u>TASK ID</u> 117088	DESCRIPTION  AM 27 Blood THC Quant by LC-QQQ
M2018-2495	7	117089	AM 27 Blood THC Quant by LC-QQQ
M2018-2571	3	117090	AM 27 Blood THC Quant by LC-QQQ
P2018-1475	1	117 <b>0</b> 9 <b>1</b>	AM 27 Blood THC Quant by LC-QQQ
P2018-1550	1	117093	AM 27 Blood THC Quant by LC-QQQ
P2018-1551	1	117095	AM 27 Blood THC Quant by LC-QQQ
P2018-1575	1	117097	AM 27 Blood THC Quant by LC-QQQ



#### AM# 27: Quantitation of THC and Metabolites in Blood by LC-MS/MS

Extraction Date: 05/31/18 Plate lot#: 0515037

Analyst: Tamara Salazar Plate Expiration: 09/28/18

Mobile phase A: 0.1% Formic Acid in LCMS Water **MTBE** 

LCMS Methanol

Mobile phase B: 0.1% Formic acid in Acetonitrile

Hexane

Blank Blood Lot: 361331-1 **LCMS-QQQ ID: 59740** 

Column: UCT Selectra DA 100 x 2.1mm 3um

#### 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: Data Path:

#### Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- Σ 2. Pipette 1000μL blood (calibrated pipette) Pipette ID: 3382167 in wells of analytical (standards) plate.
- Shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID: 067105
- Δ 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.
- ☑ 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: 067104
- **⊠** 8. Wait 5 minutes.
- $\boxtimes$  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: 067103
- ☑ 16. Reconstitute in 100µL 100% MeOH and heat seal plate with foil. Place in autosampler and run worklist.

#### Post-Analytic

Worklist path C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436 Batch Name: 053118 THO TS SP

- **⊠** 2. Make any necessary integration changes, Curve weighting of Linear 1/x with  $r^2$  values  $\ge 0.98$  for each analyte
- ⊠ 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less). Ion ratios must be within +/- 20% of the averaged calibrators
- ✓ 4. Case sample response for THC and OH-THC 3ng/mL (quantitative), Carboxy-THC: 10ng/mL (qualitative only) will be reported. Samples with a THC or OH-THC response over 50 ng/mL will be reported out as greater than 50 ng/mL.
- □ 5. Did all QCs pass for each analyte? Y / N
- ⊠ 6 Enter QCs into control charting.
- Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports ⊠ 7

COMMENTS: THC-COOH: 5-250





### AM# 27: Quantitation of THC and Metabolites in Blood by LC-MS/MS

Extraction Date: 5/31/18

Analyst: Sarah Pickle

Plate lot#: 0515037

Plate Expiration: 09/28/18

Mobile phase A: 0.1% Formic Acid in LCMS Water

Mobile phase B: 0.1% Formic acid in Acetonitrile

LCMS Methanol

Hexane

Blank Blood Lot: 361331-1

Column: UCT Selectra DA 100 x 2.1mm 3um

LCMS-QQQ ID: 59740

#### Pre-Analytic:

- ☑ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.

#### Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- Σ 2. Pipette 1000μL blood (calibrated pipette) Pipette ID: 3382167 in wells of analytical (standards) plate.
- Shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID: 067105
- Δ 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.
- (Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- ⊠ 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: 067103
- 🗵 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: 053118 THC Quant TS SP Worklist 2435 2436 Batch Name: 053118 THCQ TS SP

- $\boxtimes$  2. Make any necessary integration changes, Curve weighting of Linear 1/x with  $r^2$  values  $\ge 0.98$  for each analyte
- ⊠ 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less). Ion ratios must be within +/- 20% of the averaged calibrators
- Case sample response for THC and OH-THC 3ng/mL (quantitative), Carboxy-THC; 10ng/mL (qualitative only) will be reported. Samples with a THC or OH-THC response over 50 ng/mL will be reported out as greater than 50 ng/mL.
- Did all QCs pass for each analyte? Y/N  $\boxtimes$  5.
- Enter QCs into control charting.
- $\boxtimes$  7 Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Curve Range Limited THC-COOH 5-250

Steps 3-16 were performed as Tamara Salazar acting as the primary analyst. I witnessed and approved of all steps performed in the method.







### **Idaho State Police Forensic Services**



# AM #27 Quantitative Analysis of THC and Metabolites in Blood by LCMS-QQQ

Analyst: Tamara Salazar and Sarah Pickle F/S

Extraction Date: 05/31/18

Worklist Number: 2436 and 2435 \$ 15

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox THC/THC Metabolite Plate	0515037	09/28/18			
Negative Blood	361331-ZJ B	5	05/25/18		
Methanol External Control Solution	WS020718	02/07/19	02/07/18		
Blood External Control Solution	020718	02/07/19	02/07/18	05/31/18	15
Methyl Tert-Butyl Ether (MTBE) 99.9%	A0375555		06/26/17		
Hexanes (ACS)	101642		10/26/17		
Methanol (LCMS Grade)	177145		04/11/18		
0.1% Formic Acid in Water (Mobile Phase A)	166541		06/26/17		
0.1% Formic Acid in Acetonitrile (Mobile Phase B)	176190		02/06/18		
Needle Rinse75% LCMS MeOH in LCMS Water	052918		05/29/18		

#### Methanol External Control Solution (Lot: WS020718)

10 ul of Img/ml. THC, 100 ul of 100 ug/ml. THC-OH, C-THC in 9790 ul MeOH

Component	Source	Source Lot Number	Expiration Date		
Methanol (LCMS)	Fisher	172516			
THC	Cerilliant	FE04231406	04/30/2019		
C-THC	Cayman	0497429	02/08/2019		
THC-OH	Cerilliant	FE01121503	01/31/2020		
Prepared:	02/07/18				
Prepared By:	Tamara Salazar				
Expires:	02/07/19				

#### Blood External Control Solution (Lot: 020718)

100 ul of methanol external control solution was added to 9900 ul of blood.

Component	Source	Source Lot Number		
Negative Blood	Hemostat	361331-2		
Methanol External Control Solution		WS020718		
Prepared:	02/07/18			
Prepared by:	Tamara Salazar			
Expires:	02/07/19			



#### AM #27: Quantitative Analysis of THC and Metabolites in Blood by LCMS-QQQ

# B

#### Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 052918)

Component	Source	Source Lot Number		
MeOH (LCMS Grade)	Fisher	177145		
Water (LCMS Grade)	Fisher	177528		
Prepared:	05/29/18			
Prepared By:	Tamara Salazar			







**Batch Data Path** 

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResult

**Analysis Time** 

6/1/2018 8:05 AM

Analyst Name ISPUser

Report Time

6/1/2018 8:08 AM

Reporter Name ISPUser

**Last Calib Update** 6/1/2018 8:05 AM

. Batch State

Processed

**Analysis Info** 

Acq Time

2018-05-31 13:48

Data File

Blank Negative.d

Sample Type Dilution

Sample

Sample Name

Blank Negative

Position

Inj Vol

1 Vial 2

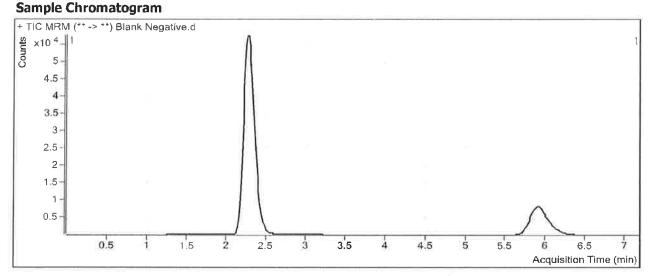
-1

Acq Method Sample Info

Comment

THC Quant 051517 workingmm.m

\_ . . . . .





Printed at: 8:09 AM on: 6/1/2018

**Batch Data Path** C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

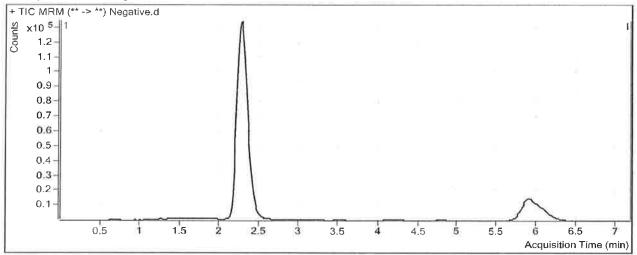
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**Analysis Info** 

**Acq Time** 2018-05-31 14:00 **Data File** Negative.d Sample Type Negative Sample Sample Name **Dilution** 1 **Acq Method** THC Quant 051517 workingmm.m **Position** 

P1-A6 Sample Info

Inj Vol -1 Comment Hemostat 361331-3



Results						
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-D3	2.479	2596	984496	0.0026	1.1496
THC-COOH	THC-COOH-D9	2.325	7350	273964	0.0268	1.5148



Printed at: 8:08 AM on: 6/1/2018

**Batch Data Path** 

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResult

**Analysis Time** 

6/1/2018 8:05 AM

Analyst Name ISPUser

Reporter Name ISPUser

**Report Time** Last Calib Update

6/1/2018 8:08 AM 6/1/2018 8:05 AM

**Batch State** 

Processed

**Analysis Info** 

**Acq Time Sample Type**  2018-05-31 13:25

Data File

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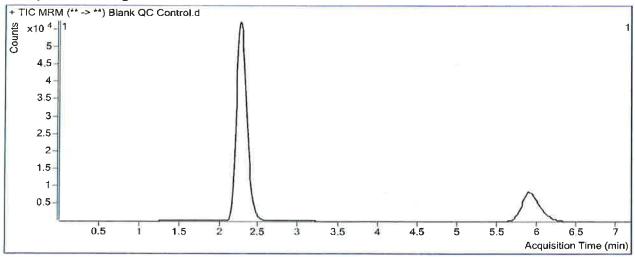
Dilution

Sample 1 Vial 2

Sample Name **Acq Method** 

THC Quant 051517 workingmm.m

**Position** Inj Vol -1 Sample Info Comment







Printed at: 8:09 AM on: 6/1/2018

Batch Data Path C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

**Analysis Time** 6/1/2018 8:05 AM **Report Time** 6/1/2018 8:08 AM

**Analyst Name** ISPUser **Reporter Name** ISPUser

**Last Calib Update** 6/1/2018 8:05 AM

**Reporter Name** ISPUser **Batch State** Processed

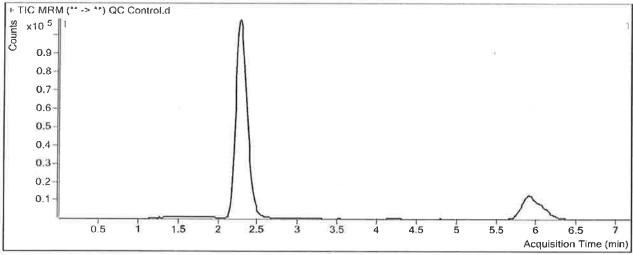
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Acq Time Sample Type Dilution 2018-05-31 13:36 Sample Data File Sample Name Acq Method QC Control.d QC Control

Position P1-H5
Inj Vol -1

Sample Info

THC Quant 051517 workingmm.m



Results						
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-D3	2.265	71776	722204	0.0994	9.4226
THC-COOH	THC-COOH-D9	2.365	42301	210245	0.2012	9.3312
THC	THC-D3	5.932	20705	196242	0.1055	10.0032





Batch Data Path C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResult:

Analysis Time Report Time Last Calib Update 6/1/2018 8:05 AM 6/1/2018 8:09 AM 6/1/2018 8:05 AM Analyst Name ISPUser Reporter Name ISPUser Batch State Processed

**Analysis Info** 

Acq Time
Sample Type
Dilution
Position

Inj Vol

2018-05-31 14:12 Sample 1 Vial 2

-1

Data File Sample Name Acq Method

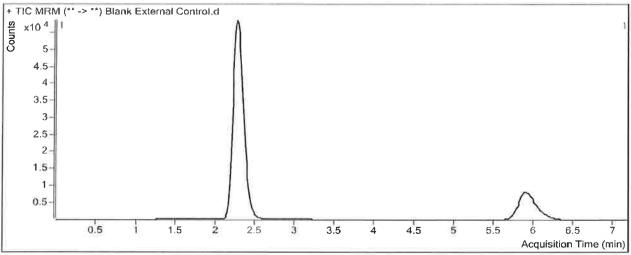
Sample Info

**Comment** 

Blank External Control Blank External Control
THC Quant 051517 workings

THC Quant 051517 workingmm.m

#### **Sample Chromatogram**







Batch Data Path C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

 Analysis Time
 6/8/2018 12:32 PM
 Analyst Name
 ISPUser

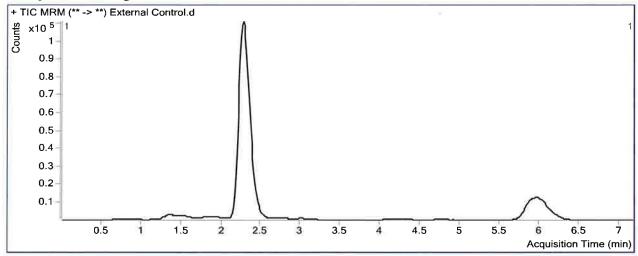
 Report Time
 6/8/2018 12:33 PM
 Reporter Name
 ISPUser

 Last Calib Update
 6/8/2018 12:32 PM
 Batch State
 Processed

**Analysis Info** 

Deculto

**Acq Time** 2018-05-31 14:24 **Data File** External Control.d Sample Type Sample Sample Name External Control **Dilution** Acq Method THC Quant 051517 workingmm.m **Position** P1-B6 Sample Info Inj Vol -1 Comment Hemostat 361331-3 + WS 020718



Results						
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	<b>Final Conc</b>
THC-OH	THC-OH-D3	2.279	57272	753980	0.0760	7.4195
THC-COOH	THC-COOH-D9	2.365	44574	215517	0.2068	9.5833
THC	THC-D3	6.025	19670	225410	0.0873	8.3912

### LSP rorensics Calibration Curve Report



**Batch Data Path** 

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435

2436\QuantResults\053118 THCQ TS SP.batch.bin

**Last Calib Update** 

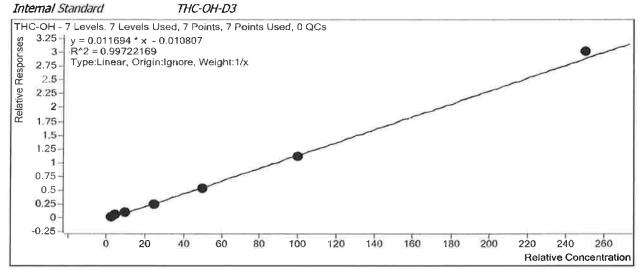
6/1/2018 8:05 AM

**Analyst Name** 

**ISP TOX** 

Target Compound

THC-OH-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
Cal 1	1	☑	3	3.4	113.1
Cal 2	2	☑	5	5.5	109.3
Cal 3	3		10	9.4	94.3
Cal 4	4	Ø	25	22.2	88.9
Cal 5	5		50	47.3	94.5
Cal 6	6	Ø	100	96.3	96.3
Cal 7	7	☑	250	258.9	103.6

intelligent view

### Lar Forensics Calibration Curve Report

15

B

**Batch Data Path** 

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435

2436\QuantResults\053118 THCQ TS SP.batch.bin

**Last Calib Update** 

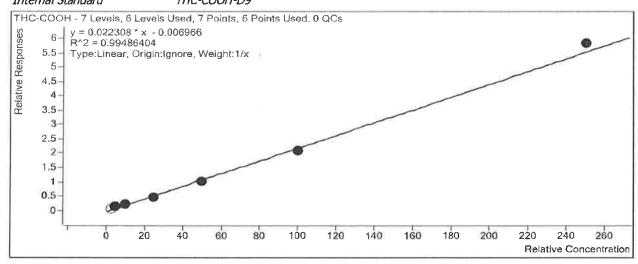
6/1/2018 8:05 AM

**Analyst Name** 

**ISP TOX** 

Target Compound
Internal Standard

THC-COOH
THC-COOH-D9



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
Cal 1	1		3	3.9	129.4
Cal 2	2	☑	5	5.9	118.8
Cal 3	3	V	10	10.2	102.4
Cal 4	4	☑	25	21.7	86.9
Cal 5	5		50	46.8	93.7
Cal 6	6		100	93.6	93.6
Cal 7	7	☑	250	261.7	104.7

### Lar Forensics Calibration Curve Report





**Batch Data Path** 

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435

2436\QuantResults\053118 THCQ TS SP.batch.bin

Last Calib Update

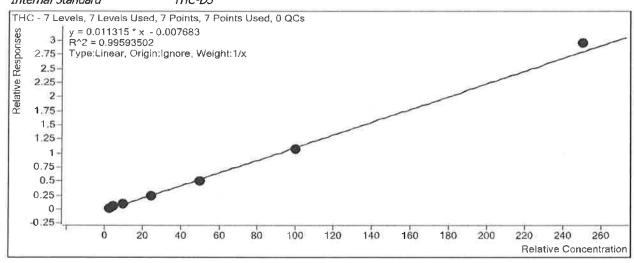
6/1/2018 8:05 AM

**Analyst Name** 

**ISP TOX** 

Target Compound
Internal Standard

THC THC-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
Cal 1	1		3	3.3	111.0
Cal 2	2		5	5.5	110.3
Cal 3	3		10	9.7	96.9
Cal 4	4		25	23.1	92.3
Cal 5	5		50	45.0	90.0
Cal 6	6		100	95.0	95.0
Cal 7	7	☑	250	261.4	104.6

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0--- 0 -60



Batch Data Path C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

 Analysis Time
 6/1/2018 8:05 AM

 Report Time
 6/1/2018 8:08 AM

 Last Calib Update
 6/1/2018 8:05 AM

Analyst Name ISPUser
Reporter Name ISPUser
Batch State Processed

**Analysis Info** 

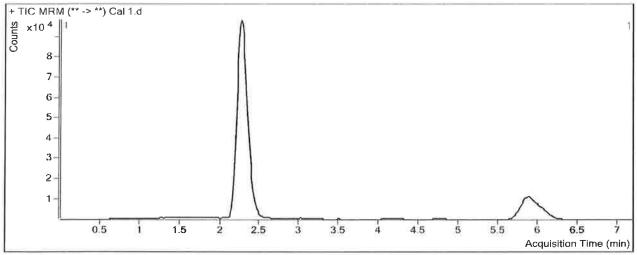
Acq Time Sample Type Dilution 2018-05-31 12:02 Calibration Data File Sample Name Acq Method

Cal 1 THC Quant 051517 workingmm.m

Cal 1.d

Position P1-A5 Inj Vol -1

Sample Info Comment



Kesuits						
Compound	ISTD Compound	RT	Response	ISTD Resp	<b>Resp Ratio</b>	Final Conc
THC-OH	THC-OH-D3	2.252	19818	686628	0.0289	3.3922
THC-COOH	THC-COOH-D9	2.352	15843	198957	0.0796	3.8818
THC	THC-D3	5.892	5601	186773	0.0300	3.3292



Batch Data Path C:\MassHu

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

Cal 2.d

Analysis Time Report Time Last Calib Update 6/1/2018 8:05 AM 6/1/2018 8:08 AM 6/1/2018 8:05 AM Analyst Name ISPUser Reporter Name ISPUser Batch State Processed

**Analysis Info** 

Acq Time Sample Type Dilution 2018-05-31 12:14 Calibration Data File Sample Name Acq Method

Cal 2 THC Quant 051517 workingmm.m

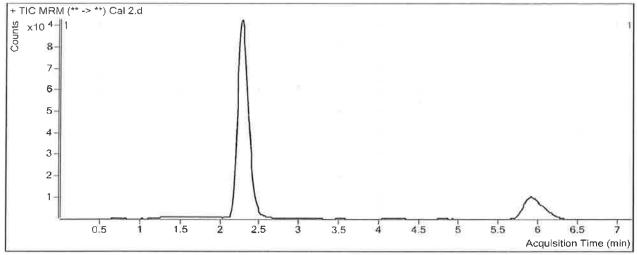
 Dilution
 1

 Position
 P1-B5

 Inj Vol
 -1

Sample Info Comment

#### Sample Chromatogram



Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-D3	2.279	33810	636580	0.0531	5.4658
THC-COOH	THC-COOH-D9	2.365	23311	185709	0.1255	5.9390
THC	THC-D3	5.945	9111	166540	0.0547	5.5139





Batch Data Path C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

 Analysis Time
 6/1/2018 8:05 AM

 Report Time
 6/1/2018 8:08 AM

 Last Calib Update
 6/1/2018 8:05 AM

Analyst Name ISPUser Reporter Name ISPUser Batch State Processed

Cal 3.d

**Analysis Info** 

Acq Time Sample Type Dilution Position Inj Vol 2018-05-31 12:25 Calibration 1 P1-C5

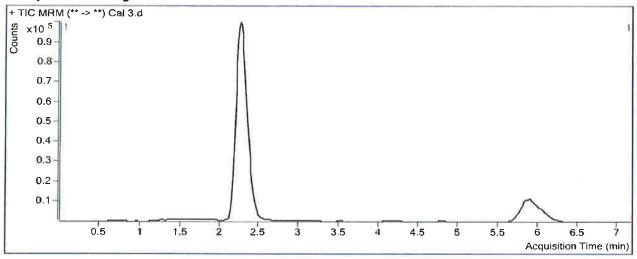
-1

Data File
Sample Name
Acq Method
Sample Info

Comment

Cal 3 THC Quant 051517 workingmm.m

Sample Chromatogram



Results						
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-D3	2.265	65635	659792	0.0995	9.4306
THC-COOH	THC-COOH-D9	2.365	41739	188428	0.2215	10.2417
THC	THC-D3	5.892	18096	177448	0.1020	9,6914

Samples Report Cannabinoids1\_002\_Cal 3.xlsx



Printed at: 8:08 AM on: 6/1/2018

**Batch Data Path** 

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

**Analysis Time Report Time** 

6/1/2018 8:05 AM 6/1/2018 8:08 AM

Analyst Name ISPUser Reporter Name ISPUser

Last Calib Update 6/1/2018 8:05 AM **Batch State** Processed

**Analysis Info** 

**Acq Time** Sample Type

2018-05-31 12:37 Calibration

**Data File** 

Cal 4.d Cal 4

**Dilution** 

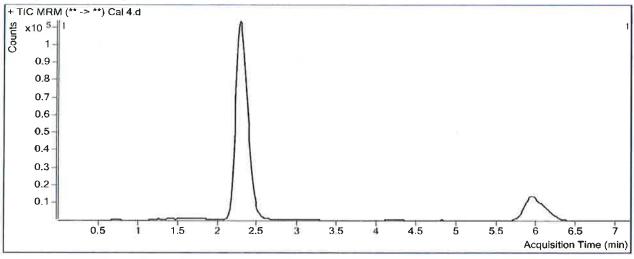
1 P1-D5 Sample Name **Acq Method** 

THC Quant 051517 workingmm.m

**Position** Inj Vol

-1

Sample Info Comment



Kesuits						
Compound	ISTD Compound	RT	Response	ISTD Resp	<b>Resp Ratio</b>	Final Conc
THC-OH	THC-OH-D3	2.279	164642	660692	0.2492	22.2333
THC-COOH	THC-COOH-D9	2.3 <i>7</i> 9	90060	188567	0.4776	21.7214
THC	THC-D3	5.959	44659	176187	0.2535	23.0803



Batch Data Path

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

Analysis Time Report Time Last Calib Update 6/1/2018 8:05 AM 6/1/2018 8:08 AM 6/1/2018 8:05 AM Analyst Name ISPUser Reporter Name ISPUser Batch State Processed

**Analysis Info** 

Acq Time
Sample Type
Dilution
Position

Inj Vol

2018-05-31 12:49 Calibration

1

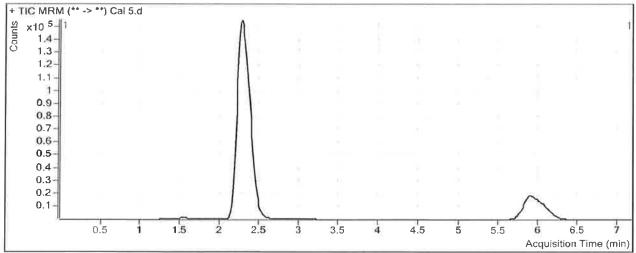
-1

P1-E5

Data File Sample Name Cal 5.d Cal 5

Acq Method Sample Info Comment THC Quant 051517 workingmm.m

**Sample Chromatogram** 



Results						
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	THC-OH-D3	2,265	389462	718853	0.5418	47.2527
THC-COOH	THC-COOH-D9	2.365	211946	204199	1.0379	46.8391
THC	THC-D3	5.905	97921	195297	0.5014	44.9909

Samples Report Cannabinoids1\_004\_Cal 5.xlsx





Batch Data Path C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

Analysis Time 6/ Report Time 6/ Last Calib Update 6/

6/1/2018 8:05 AM 6/1/2018 8:08 AM 6/1/2018 8:05 AM Analyst Name ISPUser Reporter Name ISPUser Batch State Processed

**Analysis Info** 

Acq Time Sample Type Dilution Position

Inj Vol

2018-05-31 13:01 Calibration 1

P1-F5

-1

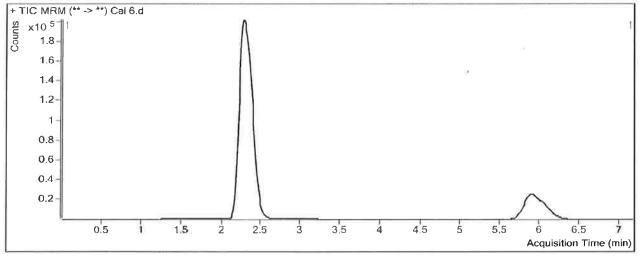
Data File Sample Name Acq Method

Cal 6 THC Quant 051517 workingmm.m

Cal 6.d

Sample Info Comment

#### Sample Chromatogram



Ke	Suits						
Con	npound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC	-OH	THC-OH-D3	2.265	757654	679361	1.1152	96.2901
THC	C-COOH	THC-COOH-D9	2.365	397144	190919	2.0802	93.5583
THC		THC-D3	5.905	191474	179490	1.0668	94.9563



Batch Data Path

C:\MassHunter\Data\2018\THC Quant\053118 THC Quant TS SP Worklist 2435 2436\QuantResults\053118 TH

Cal 7.d

Analysis Time Report Time Last Calib Update 6/1/2018 8:05 AM 6/1/2018 8:08 AM 6/1/2018 8:05 AM Analyst Name ISPUser Reporter Name ISPUser Batch State Processed

**Analysis Info** 

Acq Time Sample Type Dilution 2018-05-31 13:13 《 Calibration Data File Sample Name Acq Method

Cal 7
THC Quant 051517 workingmm.m

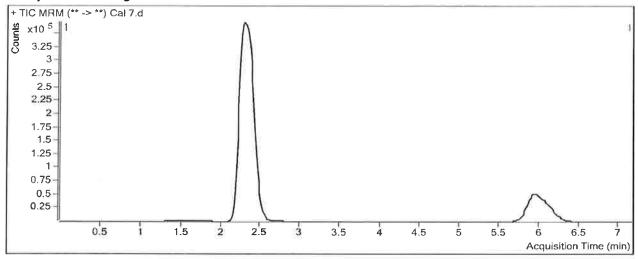
 Dilution
 1

 Position
 P1-G5

 Inj Vol
 -1

Sample Info Comment

#### Sample Chromatogram



Resu	ılts
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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	<b>Final Conc</b>
THC-OH	THC-OH-D3	2.279	1983678	657440	3.0173	258.9352
THC-COOH	THC-COOH-D9	2.379	1025598	175883	5.8311	261.7005
THC	THC-D3	5.945	517026	175231	2.9505	261.4379

Samples Report Cannabinoids1\_006\_Cal 7.xlsx