TS

REVIEWED
By Sarah Pickle at 7:40 am, Apr 24, 2019

4/16/2019

**Worklist: 3283**

| LAB_CASE | ITEM | TASK_ID | DESCRIPTION |
|---|---|---|---|
| P2019-0998 | 1 | 148467 | AM 27 Blood THC Quant by LC-QQQ |

TS

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

Extraction Date: 04/22/19 Analyst: Tamara Salazar
Plate lot#: 0539904 Plate Expiration: 09/10/19

**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**: Hemostat 445283-1 **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.
☒ 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/urine (calibrated pipette) Pipette ID: 27** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **500µL 0.1% formic acid in water** in wells of analytical plate for blood samples.
☒ 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: 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

TS

☒ 1. Create batch and process data. C:\MassHunter\Data\2019\AM 27\042219 THCQ TS
Worklist path: ~~G:\TOX\Pocatello\Abby\2019\AM 27\042219 THCQ TS~~
Batch Name: THCQ wklst 3283 TS
☒ 2. Make any necessary integration changes, Curve weighting of Linear 1/x with $r^2$ values ≥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.
☒ 7 Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *Curves limited: THC-COOH 10-100,*
*Due to the original injections not injecting properly, calibrator 4 and 6, as well as the plate QC were reinjected on 04/23/19.*

TS

# Idaho State Police Forensic Services

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

**Methanol External Control Solution (Lot: WS041619)**

*10 ul of 1mg/mL THC, 100 ul of 100 ug/mL THC-OH, C-THC in 9790 ul MeOH*

*Approximate concentration 1ug/mL.*

| *Component* | *Source* | *Source Lot Number* | *Expiration Date* |
|---|---|---|---|
| Methanol (LCMS) | Fisher | 184782 | |
| THC | Cerilliant | FE09101501 | 11/30/2020 |
| C-THC | Cerilliant | FE07171501 | 09/30/2019 |
| THC-OH | Cerilliant | FE01121503 | 01/31/2020 |
| Prepared: | 04/16/2019 | | |
| Prepared By: | Tamara Salazar | | |
| Expires: | 01/31/2020 | | |

**Blood External Control Solution (Lot: 041619)**

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

*Approximately 10ng/mL of each compound.*

| *Component* | *Source* | *Source Lot Number* |
|---|---|---|
| Negative Blood | Hemostat | 445283-1 |
| Methanol External Control Solution | - | WS041619 |
| Prepared: | 04/16/19 | |
| Prepared by: | Tamara Salazar | |
| Expires: | 01/31/2020 | |

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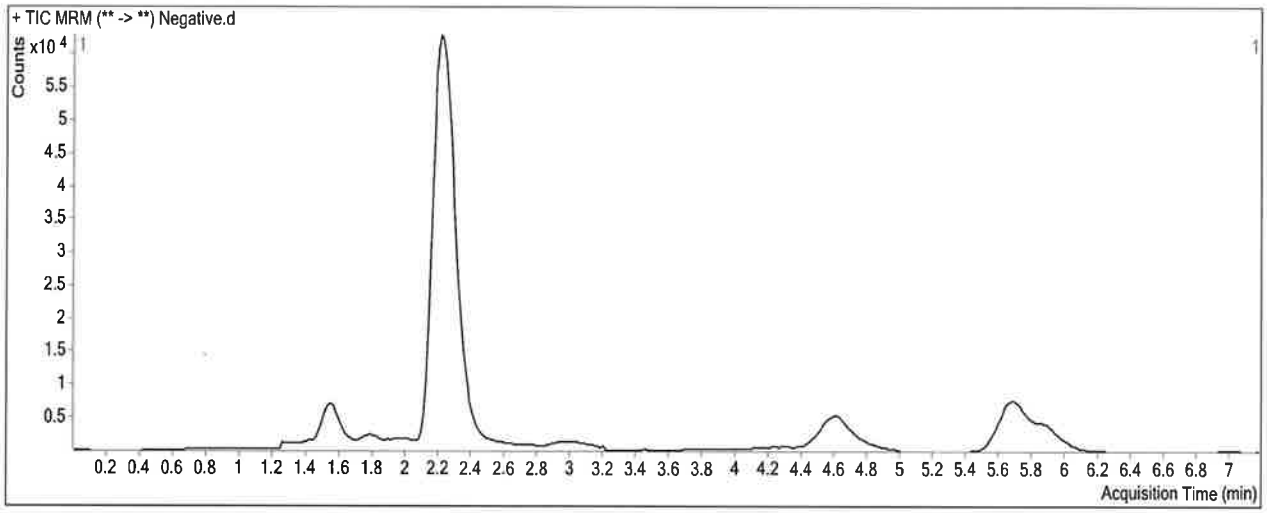
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:12 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 17:58 | **Data File** | Negative.d |
| **Sample Type** | Sample | **Sample Name** | Negative |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-H8 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram



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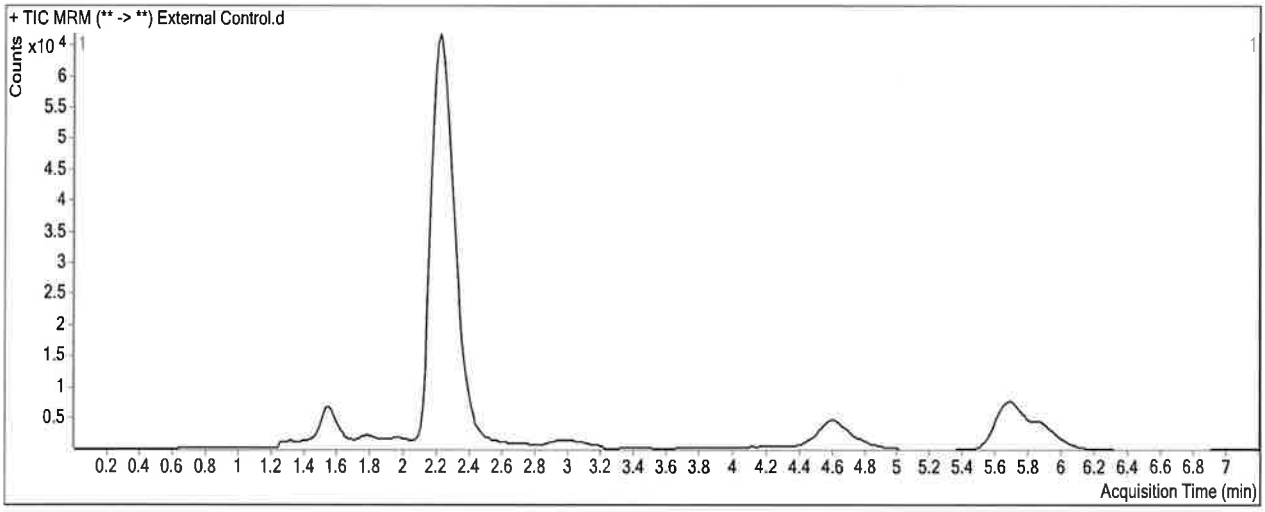
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:12 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 18:21 | **Data File** | External Control.d |
| **Sample Type** | Sample | **Sample Name** | External Control |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-G8 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.225 | 41080 | 424022 | 0.0969 | 8.2666 |
| THC-COOH | THC-COOH-D9 | 2.312 | 31303 | 151055 | 0.2072 | 8.4081 |
| THC | THC-D3 | 5.678 | 9198 | 128433 | 0.0716 | 8.5257 |

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# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

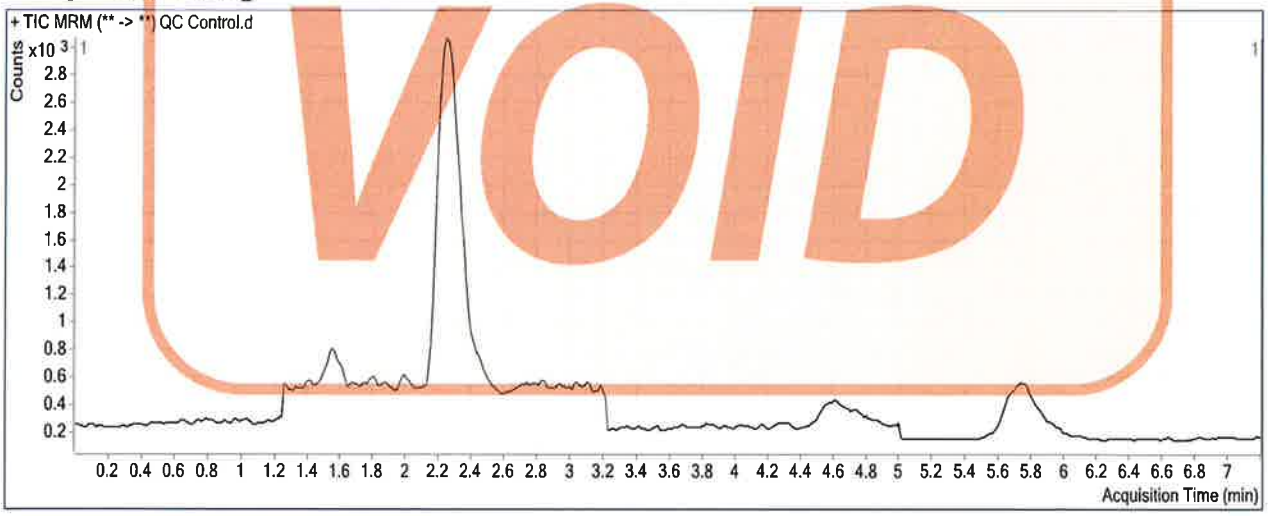
| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:12 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 17:34 | **Data File** | QC Control.d |
| **Sample Type** | QC | **Sample Name** | QC Control |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-A7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

VOID

## Sample Chromatogram




Sample failed to inject properly. Sample was reinjected on 04/23/19. TS

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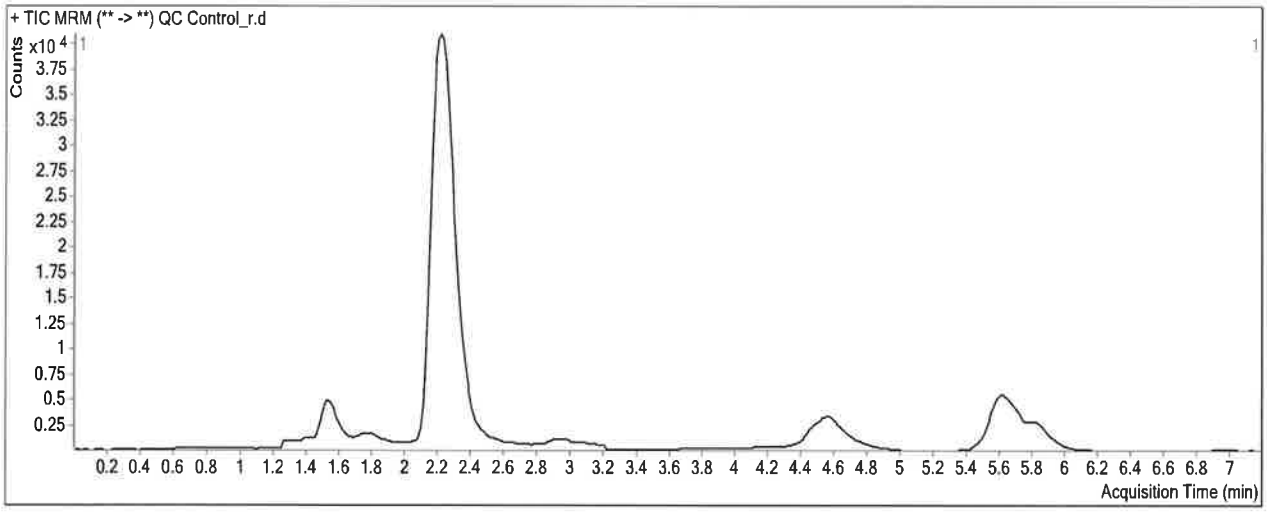
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:13 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-23 09:20 | **Data File** | QC Control_r.d |
| **Sample Type** | QC | **Sample Name** | QC Control_r |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-A7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.212 | 13672 | 267104 | 0.0512 | 4.4197 |
| THC-COOH | THC-COOH-D9 | 2.299 | 23128 | 97153 | 0.2381 | 10.2129 |
| THC | THC-D3 | 5.652 | 3992 | 90415 | 0.0442 | 4.9861 |

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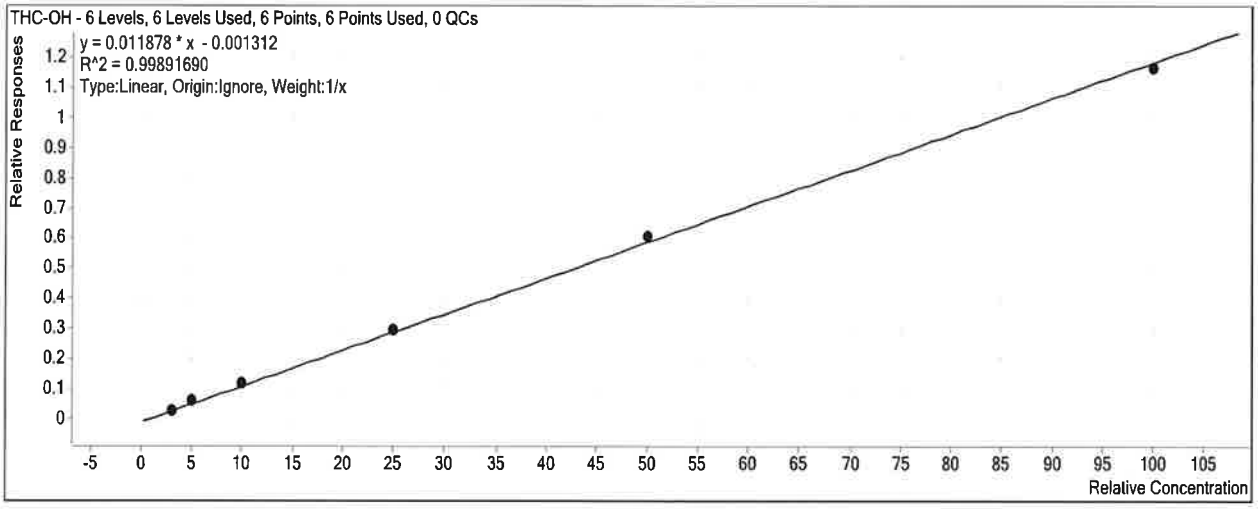
# ISP Forensics
# Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin

**Last Calib Update** 4/23/2019 9:57 AM **Analyst Name** ISP TOX

***Target Compound*** *THC-OH*

*Internal Standard* *THC-OH-D3*

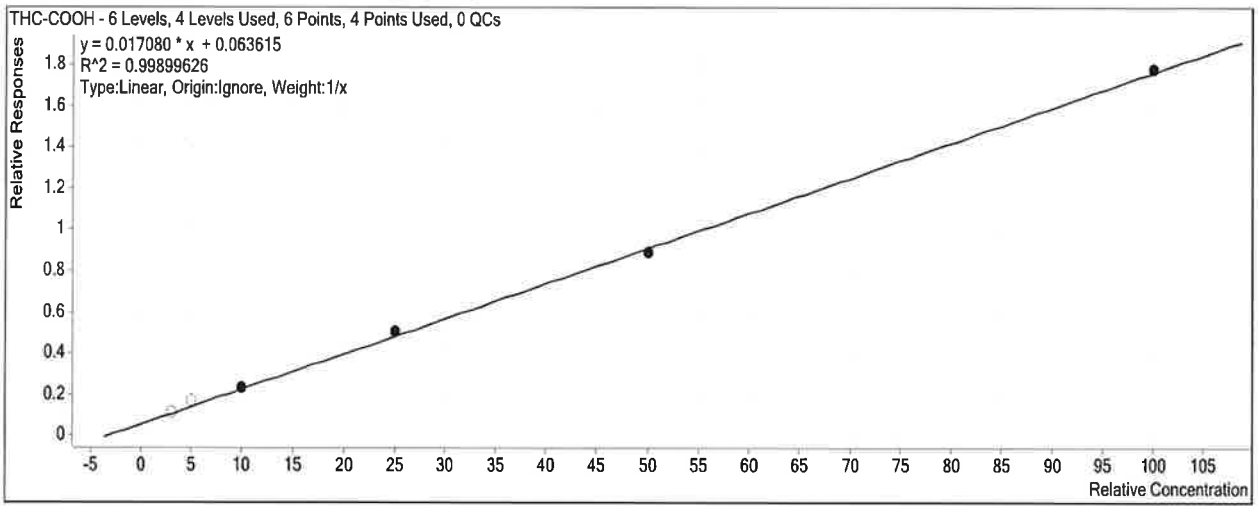



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|---|---|---|---|---|---|
| Cal 1-3ng | 1 | ☑ | 3 | 2.6 | 87.0 |
| Cal 2-5ng | 2 | ☑ | 5 | 5.4 | 107.5 |
| Cal 3-10ng | 3 | ☑ | 10 | 10.4 | 103.9 |
| Cal 4-25ng_r | 4 | ☑ | 25 | 25.3 | 101.1 |
| Cal 5-50ng | 5 | ☑ | 50 | 51.1 | 102.2 |
| Cal 6-100ng_r2 | 6 | ☑ | 100 | 98.2 | 98.2 |

# ISP Forensics
# Calibration Curve Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Last Calib Update** | 4/23/2019 9:57 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 | 2.8 | 94.2 |
| Cal 2-5ng | 2 | ☐ | 5 | 6.3 | 126.0 |
| Cal 3-10ng | 3 | ☑ | 10 | 9.8 | 98.3 |
| Cal 4-25ng_r | 4 | ☑ | 25 | 26.0 | 104.0 |
| Cal 5-50ng | 5 | ☑ | 50 | 48.5 | 97.0 |
| Cal 6-100ng_r2 | 6 | ☑ | 100 | 100.7 | 100.7 |

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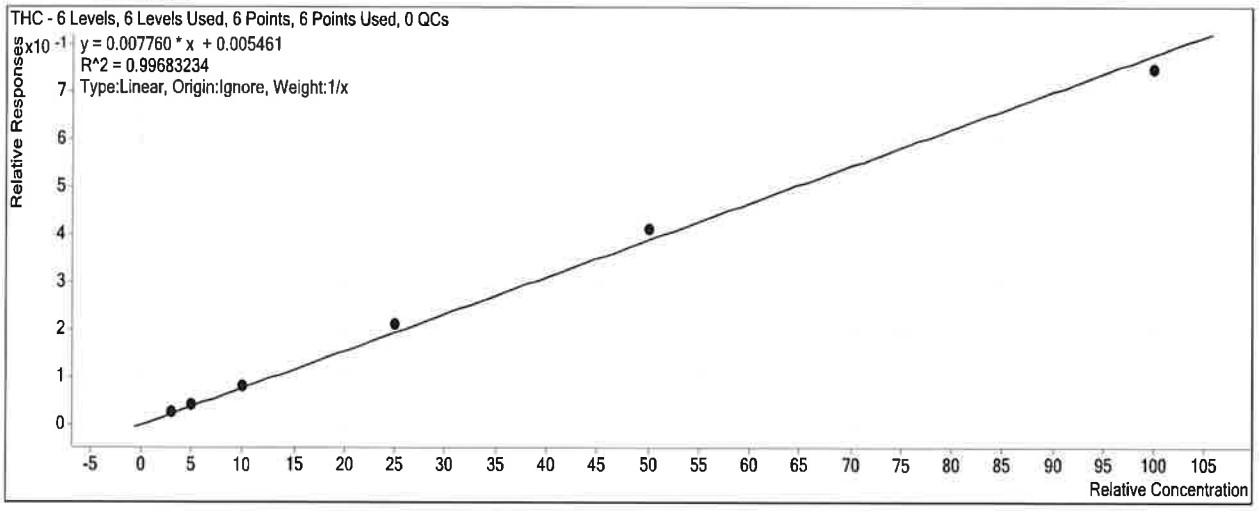
# ISP Forensics
# Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin

**Last Calib Update** 4/23/2019 9:57 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 | 2.9 | 96.7 |
| Cal 2-5ng | 2 | ☑ | 5 | 4.7 | 94.5 |
| Cal 3-10ng | 3 | ☑ | 10 | 10.1 | 100.6 |
| Cal 4-25ng_r | 4 | ☑ | 25 | 26.8 | 107.1 |
| Cal 5-50ng | 5 | ☑ | 50 | 52.6 | 105.3 |
| Cal 6-100ng_r2 | 6 | ☑ | 100 | 95.9 | 95.9 |

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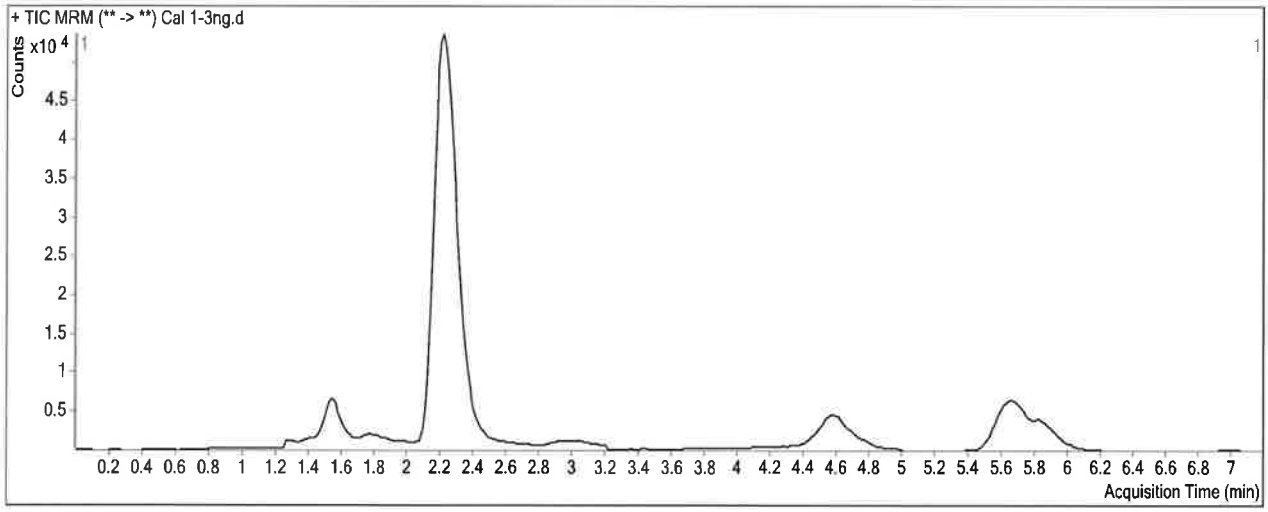
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:11 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 16:11 | **Data File** | Cal 1-3ng.d |
| **Sample Type** | Calibration | **Sample Name** | Cal 1-3ng |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-G7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.225 | 10639 | 358511 | 0.0297 | 2.6088 |
| THC-COOH | THC-COOH-D9 | 2.312 | 14072 | 125794 | 0.1119 | 2.8249 |
| THC | THC-D3 | 5.692 | 3270 | 116953 | 0.0280 | 2.8995 |

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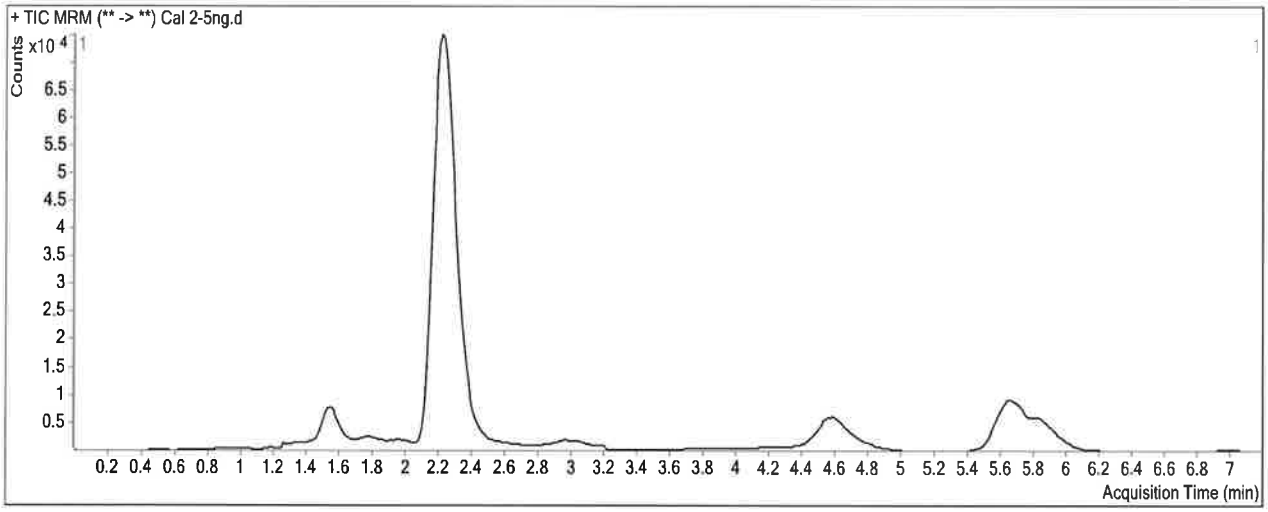
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:12 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 16:23 | **Data File** | Cal 2-5ng.d |
| **Sample Type** | Calibration | **Sample Name** | Cal 2-5ng |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-F7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.225 | 30876 | 493529 | 0.0626 | 5.3772 |
| THC-COOH | THC-COOH-D9 | 2.312 | 30508 | 178222 | 0.1712 | 6.2977 |
| THC | THC-D3 | 5.732 | 7087 | 168262 | 0.0421 | 4.7240 |

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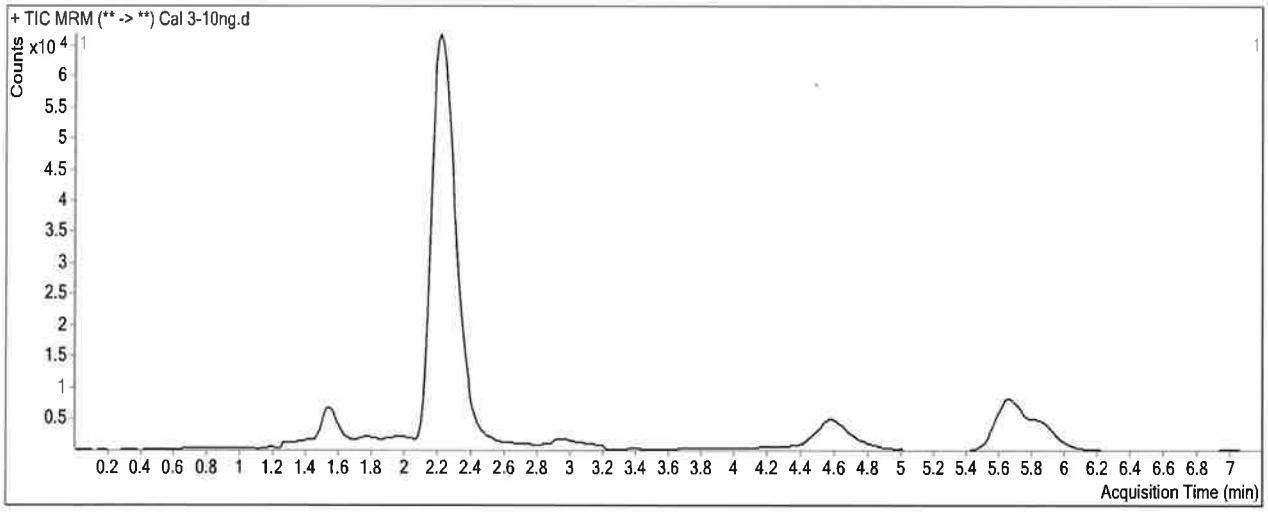
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:12 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 16:35 | **Data File** | Cal 3-10ng.d |
| **Sample Type** | Calibration | **Sample Name** | Cal 3-10ng |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-E7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.212 | 51341 | 420394 | 0.1221 | 10.3918 |
| THC-COOH | THC-COOH-D9 | 2.312 | 34583 | 149339 | 0.2316 | 9.8336 |
| THC | THC-D3 | 5.678 | 11525 | 137982 | 0.0835 | 10.0607 |

TS

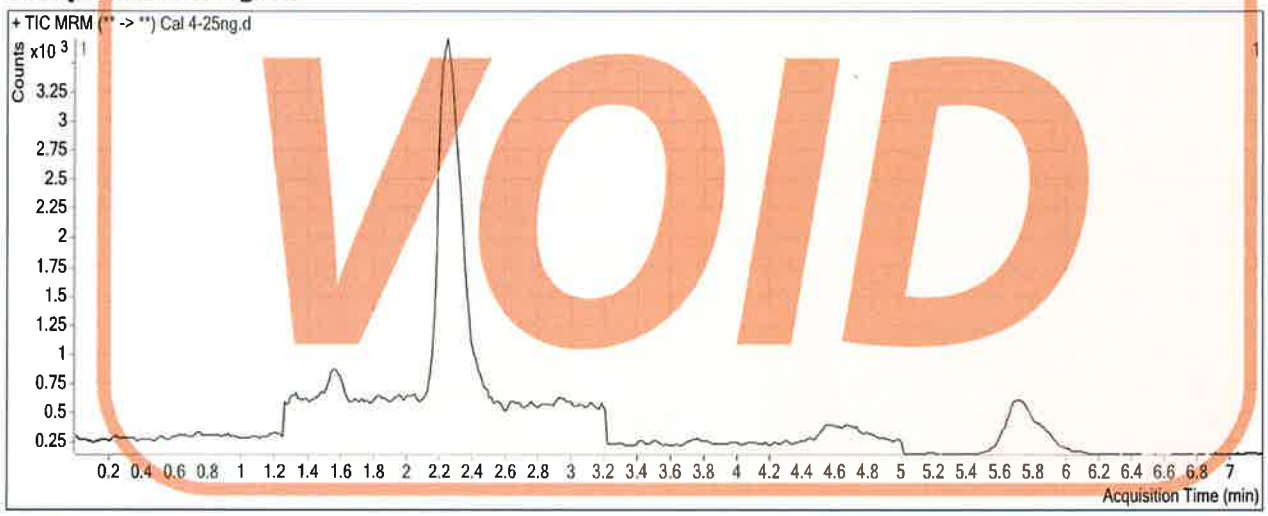
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS_original ca | | |
| **Analysis Time** | 4/23/2019 10:32 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:32 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 10:32 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 16:46 | **Data File** | Cal 4-25ng.d |
| **Sample Type** | Calibration | **Sample Name** | Cal 4-25ng |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-D7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




VOID

Reinjected on 04/23/19 due to poor ITSD response. Please refer to reinjection data.

TS

TS

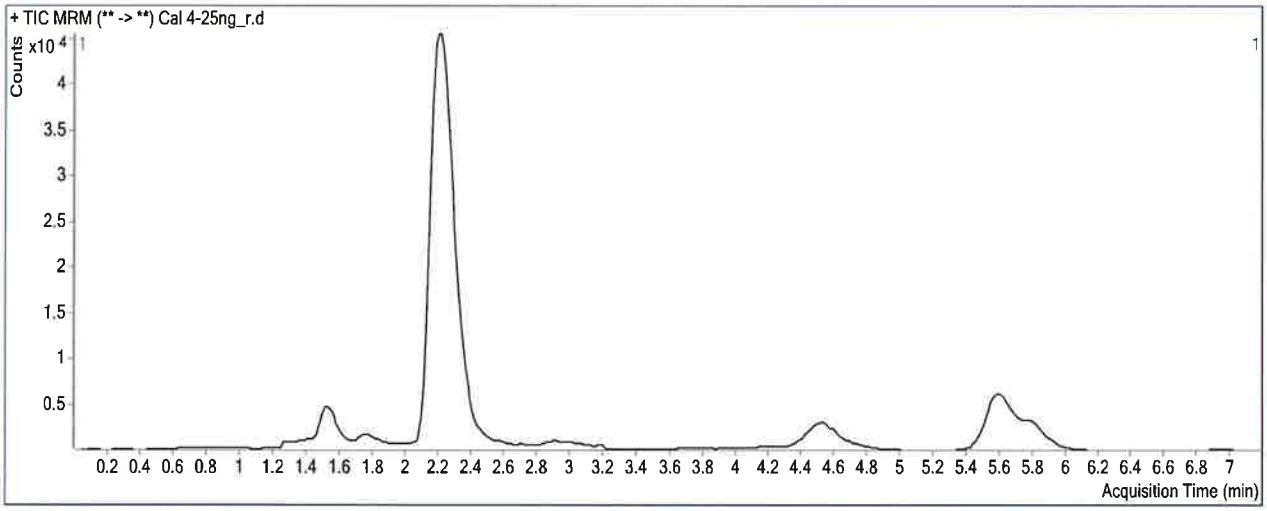
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:12 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-23 08:44 | **Data File** | Cal 4-25ng_r.d |
| **Sample Type** | Calibration | **Sample Name** | Cal 4-25ng_r |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-D7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.212 | 71111 | 237822 | 0.2990 | 25.2829 |
| THC-COOH | THC-COOH-D9 | 2.285 | 44101 | 86874 | 0.5076 | 25.9962 |
| THC | THC-D3 | 5.638 | 17336 | 81318 | 0.2132 | 26.7696 |

* Calibrator failed to inject properly on initial injection. The calibrator was reinjected on 04/23/19. TS

TS

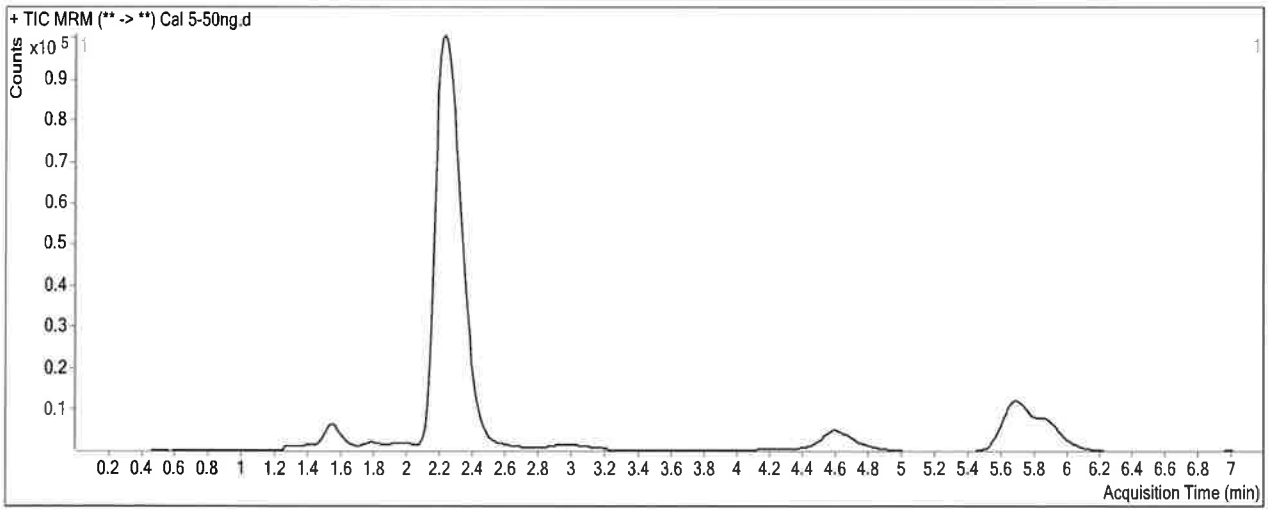
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:12 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 16:58 | **Data File** | Cal 5-50ng.d |
| **Sample Type** | Calibration | **Sample Name** | Cal 5-50ng |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-C7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.225 | 266957 | 440701 | 0.6058 | 51.1068 |
| THC-COOH | THC-COOH-D9 | 2.325 | 135973 | 152408 | 0.8922 | 48.5088 |
| THC | THC-D3 | 5.718 | 59182 | 142984 | 0.4139 | 52.6370 |

TS

# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

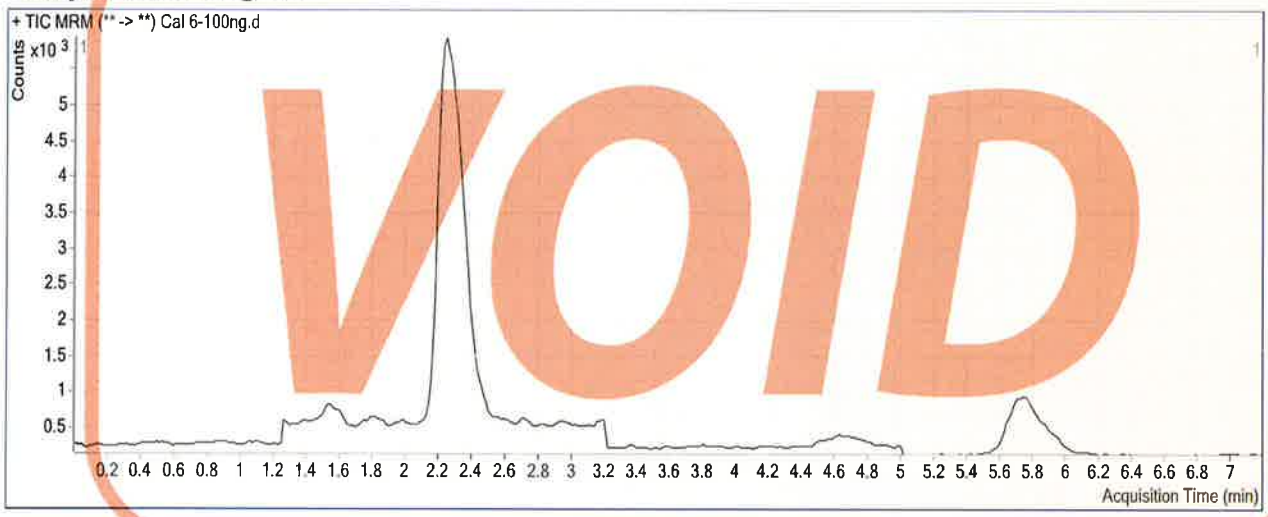
| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS_original cals.batch.bin | | |
| **Analysis Time** | 4/23/2019 10:32 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:32 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 10:32 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-22 17:10 | **Data File** | Cal 6-100ng.d |
| **Sample Type** | Calibration | **Sample Name** | Cal 6-100ng |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-B7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

VOID

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.239 | 20670 | 16552 | 1.2488 | 100.6622 |
| THC-COOH | THC-COOH-D9 | 2.339 | 8880 | 5799 | 1.5313 | 96.6120 |
| THC | THC-D3 | 5.758 | 4422 | 5533 | 0.7992 | 99.0250 |

Reinjected on 04/23/19 due to poor ITSD response. Please refer to reinjection data. TS

TS

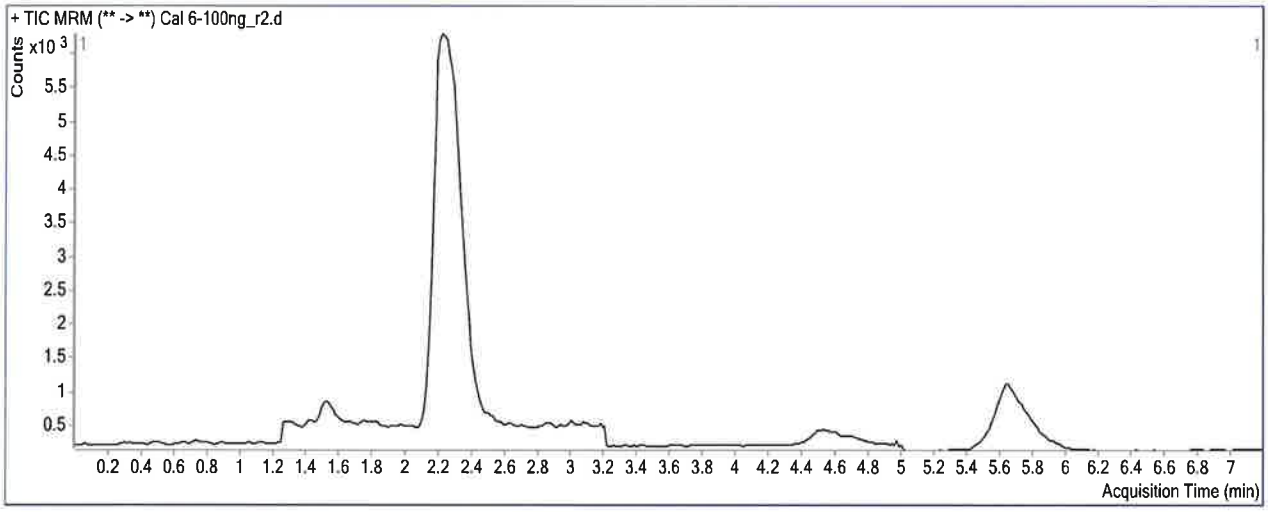
# ISP FORENSICS - Pocatello Instrument # 59740
# Cannabinoids Analysis Report

| | | | |
|---|---|---|---|
| **Batch Data Path** | C:\MassHunter\Data\2019\AM 27\042219 THCQ TS\QuantResults\THCQ wklst 3283 TS.batch.bin | | |
| **Analysis Time** | 4/23/2019 9:57 AM | **Analyst Name** | datastor |
| **Report Time** | 4/23/2019 10:13 AM | **Reporter Name** | datastor |
| **Last Calib Update** | 4/23/2019 9:57 AM | **Batch State** | Processed |

## Analysis Info

| | | | |
|---|---|---|---|
| **Acq Time** | 2019-04-23 09:45 | **Data File** | Cal 6-100ng_r2.d |
| **Sample Type** | Calibration | **Sample Name** | Cal 6-100ng_r2 |
| **Dilution** | 1 | **Acq Method** | THC Quant 051517 workingmm.m |
| **Position** | P2-B7 | **Sample Info** | |
| **Inj Vol** | -1 | **Comment** | |

## Sample Chromatogram




## Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---|---|---|---|---|---|---|
| THC-OH | THC-OH-D3 | 2.212 | 21034 | 18046 | 1.1655 | 98.2325 |
| THC-COOH | THC-COOH-D9 | 2.299 | 11888 | 6668 | 1.7829 | 100.6613 |
| THC | THC-D3 | 5.652 | 5036 | 6718 | 0.7497 | 95.9091 |

*Calibrator was reinjected on 04/23/19, due to low internal standard response in the initial injection. -TS