












Worklist: 2266

5

| <u>LAB CASE</u> | <u>ITEM</u> | <u>TASK ID</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|----------------|-----------------------------|--|
| M2018-0328 | 1 | 110580 | AM 27 Blood THC Quant by LC |  |
| M2018-0448 | 1 | 110581 | AM 27 Blood THC Quant by LC |  |
| M2018-0573 | 1 | 110582 | AM 27 Blood THC Quant by LC |  |
| M2018-0574 | 1 | 110583 | AM 27 Blood THC Quant by LC |  |
| M2018-0916 | 2 | 110584 | AM 27 Blood THC Quant by LC |  |
| P2018-0328 | 2 | 110585 | AM 27 Blood THC Quant by LC |  |
| P2018-0632 | 1 | 110586 | AM 27 Blood THC Quant by LC |  |
| P2018-0633 | 1 | 110587 | AM 27 Blood THC Quant by LC |  |
| P2018-0636 | 1 | 110588 | AM 27 Blood THC Quant by LC |  |
| P2018-0699 | 1 | 110589 | AM 27 Blood THC Quant by LC |  |
| P2018-0759 | 1 | 110590 | AM 27 Blood THC Quant by LC |  |

Worklist 2266

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

D

Extraction Date: 03/29/18

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

MTBE 361331-2

LCMS Methanol

Hexane

Blank Blood Lot: ~~361331-3~~

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 (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.
- 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

- 1. Create batch and process data.
Worklist path: *632918 THC Quant F Worklist 2266* Batch Name: *032918 THC Quant SP Worklist 2266*
- 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:

Curve Range Limited: 10-250 THC-COOH



Idaho State Police Forensic Services

D

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

Analyst: Sarah Pickle
Extraction Date: 3/29/18
Worklist Number: 2266

| <i>Reagent</i> | <i>Lot Number</i> | <i>Expiration Date</i> | <i>Date in Service</i> | <i>Date Out of Service</i> | <i>Initials</i> |
|---|--------------------------|------------------------|------------------------------|----------------------------|-----------------|
| ToxBox THC/THC Metabolite Plate | 0515037 | 09/28/18 | | | |
| Negative Blood | 361331-2 | | 12/27/17 | | |
| Methanol External Control Solution | WS020718 | 02/07/19 | 02/07/18 | | |
| Blood External Control Solution | 020718 | 02/07/19 | 02/07/18 | | |
| Methyl Tert-Butyl Ether (MTBE) 99.9% | A0375555 | | 6/26/17 | | |
| Hexanes (ACS) | 101642 | | 10/26/17 | | |
| Methanol (LCMS Grade) | 172516 172517 | | 12/12/17 03/19/18 | | |
| 0.1% Formic Acid in Water (Mobile Phase A) | 166541 | | 6/26/17 | | |
| 0.1% Formic Acid in Acetonitrile (Mobile Phase B) | 176190 | | 2/6/18 | | |
| Needle Rinse--75% LCMS MeOH in LCMS Water | 030818 | | 3/8/18 | | |

Methanol External Control Solution (Lot: WS020718)
10 ul of 1mg/mL THC, 100 ul of 100 ug/mL THC-OH, C-THC in 9790 ul MeOH

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> | <i>Expiration Date</i> |
|------------------|----------------|--------------------------|------------------------|
| 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.

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

R

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 030818)

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> |
|--------------------|----------------|--------------------------|
| MeOH (LCMS Grade) | Fisher | 172516 |
| Water (LCMS Grade) | Fisher | 102501 |
| Prepared: | 03/08/18 | |
| Prepared By: | Tamara Salazar | |

ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

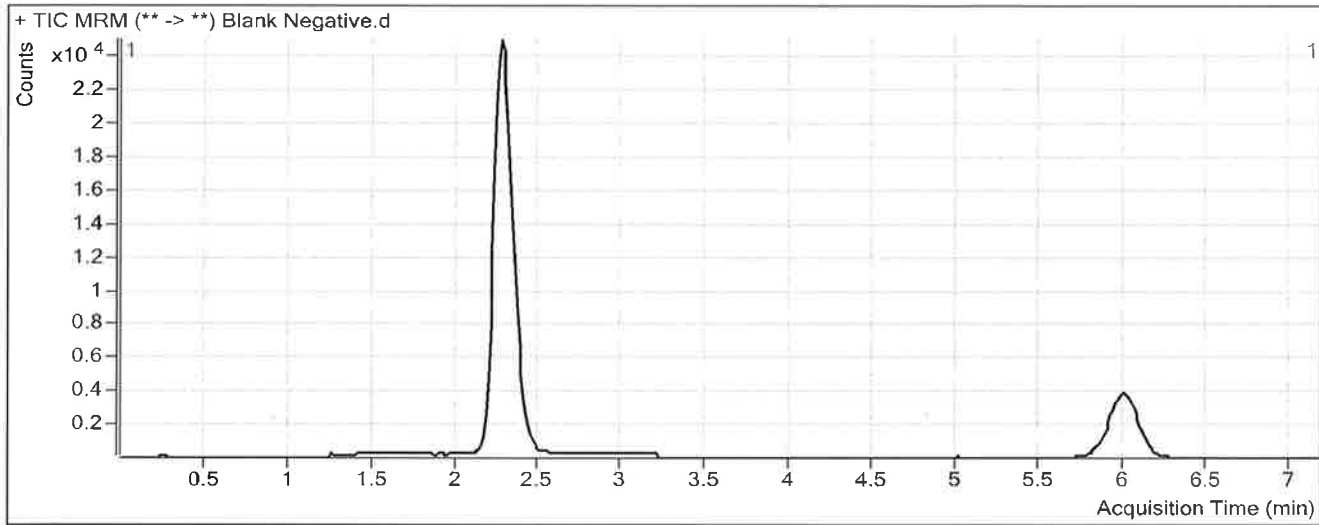
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Batch Data Path C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist 2266\QuantResults\032918
Analysis Time 3/30/2018 11:57 AM **Analyst Name** ISPUser
Report Time 3/30/2018 12:00 PM **Reporter Name** ISPUser
Last Calib Update 3/30/2018 11:57 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-29 15:41 **Data File** Blank Negative.d
Sample Type Sample **Sample Name** Blank Negative
Dilution 1 **Acq Method** THC Quant 051517 workingmm.m
Position Vial 2 **Sample Info**
Inj Vol -1 **Comment**

Sample Chromatogram



ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

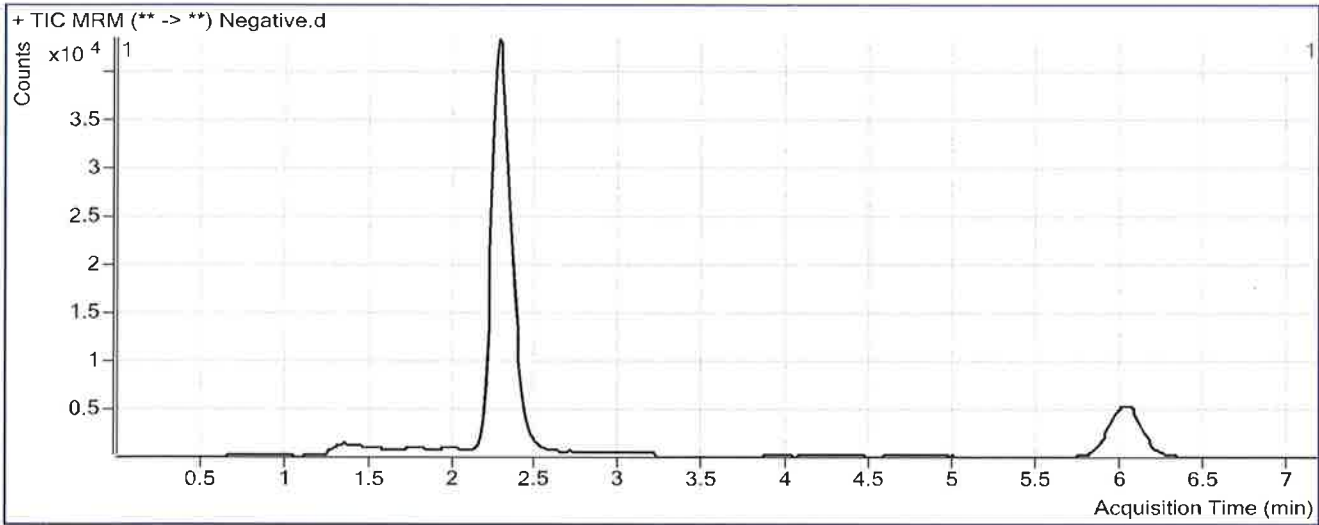
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|--------------------------|---|----------------------|-----------|
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| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 12:00 PM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|---|
| Acq Time | 2018-03-29 15:52 | Data File | Negative.d |
| Sample Type | Sample | Sample Name | Negative |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-H5 | Sample Info | |
| Inj Vol | -1 | Comment | Hemostat 361331-3 361331-2 P |

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------|---------------|-------|----------|-----------|------------|--------------|
| THC-OH | THC-OH-D3 | 2.105 | 508 | 280750 | 0.0018 | 0.8802 <3 P |
| THC-COOH | THC-COOH-D9 | 2.365 | 4342 | 73588 | 0.0590 | 1.2959 <10 P |

ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

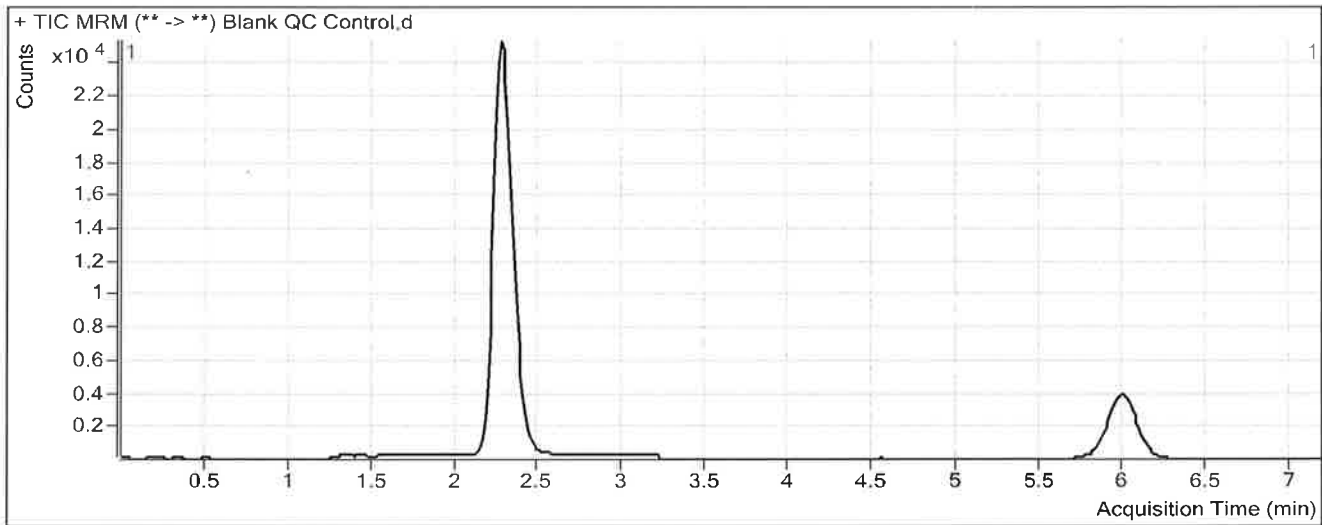
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Batch Data Path C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist 2266\QuantResults\032918
Analysis Time 3/30/2018 11:57 AM **Analyst Name** ISPUser
Report Time 3/30/2018 11:59 AM **Reporter Name** ISPUser
Last Calib Update 3/30/2018 11:57 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-29 15:17 **Data File** Blank QC Control.d
Sample Type Sample **Sample Name** Blank QC Control
Dilution 1 **Acq Method** THC Quant 051517 workingmm.m
Position Vial 2 **Sample Info**
Inj Vol -1 **Comment**

Sample Chromatogram



ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

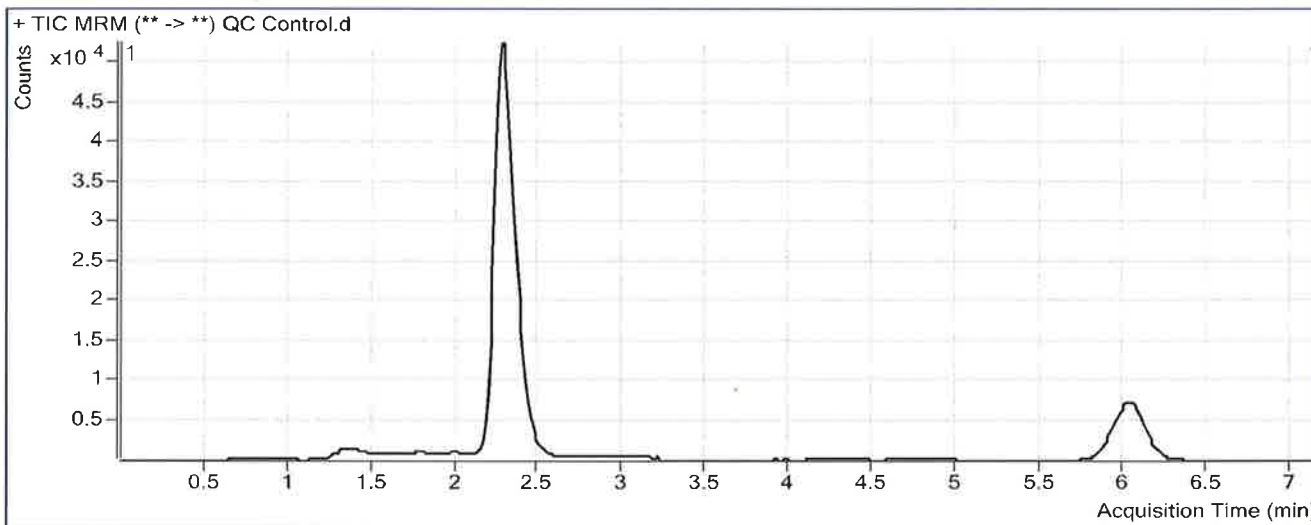
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|--------------------------|---|----------------------|-----------|
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| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 12:00 PM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|------------------------------|
| Acq Time | 2018-03-29 15:29 | Data File | QC Control.d |
| Sample Type | Sample | Sample Name | QC Control |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-A6 | 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 | 2.292 | 36954 | 308845 | 0.1197 | 10.7600 |
| THC-COOH | THC-COOH-D9 | 2.392 | 23167 | 76339 | 0.3035 | 11.7743 |
| THC | THC-D3 | 6.065 | 10599 | 83065 | 0.1276 | 10.7290 |

ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

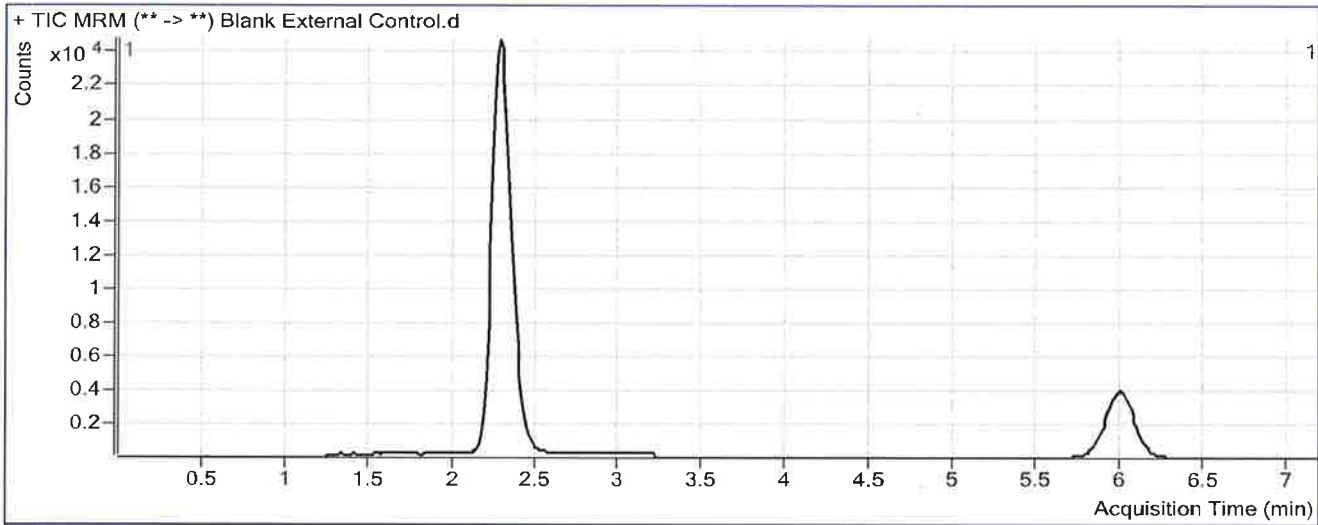
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Batch Data Path C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist 2266\QuantResults\032918
Analysis Time 3/30/2018 11:57 AM **Analyst Name** ISPUser
Report Time 3/30/2018 12:00 PM **Reporter Name** ISPUser
Last Calib Update 3/30/2018 11:57 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-29 16:04 **Data File** Blank External Control.d
Sample Type Sample **Sample Name** Blank External Control
Dilution 1 **Acq Method** THC Quant 051517 workingmm.m
Position Vial 2 **Sample Info**
Inj Vol -1 **Comment**

Sample Chromatogram



ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

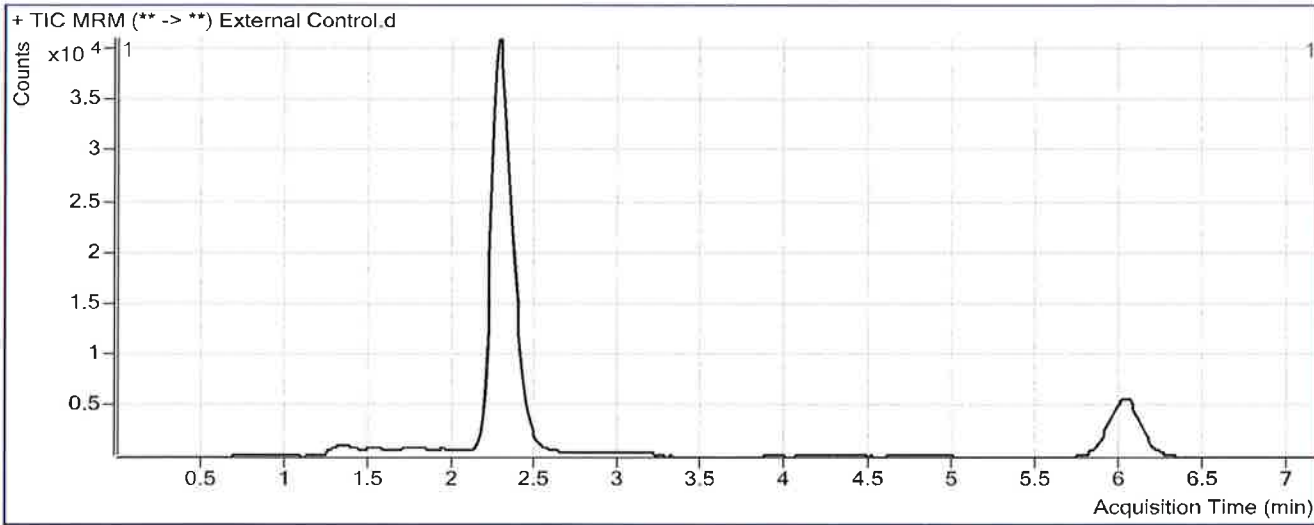
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|--------------------------|---|----------------------|-----------|
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| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 12:00 PM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|--|
| Acq Time | 2018-03-29 16:16 | Data File | External Control.d |
| Sample Type | Sample | Sample Name | External Control |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-G5 | Sample Info | |
| Inj Vol | -1 | Comment | Hemostat 361331-3 + WS 020718 361331-2 P |

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------|---------------|-------|----------|-----------|------------|------------|
| THC-OH | THC-OH-D3 | 2.292 | 21504 | 245963 | 0.0874 | 8.0584 |
| THC-COOH | THC-COOH-D9 | 2.392 | 15831 | 61121 | 0.2590 | 9.8683 |
| THC | THC-D3 | 6.052 | 7220 | 66220 | 0.1090 | 9.1007 |

ISP Forensics Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist
2266\QuantResults\032918 THC Quant SP Worklist 2266.batch.bin

D

Last Calib Update

3/30/2018 11:57 AM

Analyst Name

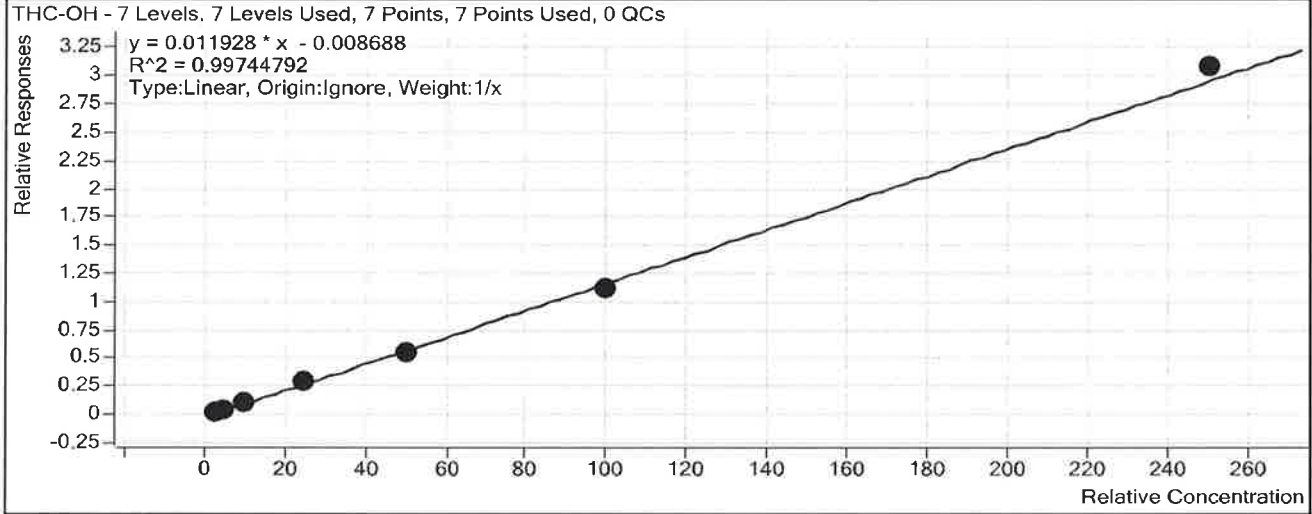
ISP TOX

Target Compound

THC-OH

Internal Standard

THC-OH-D3



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------|-------|-------------------------------------|----------|------------|----------|
| Cal 1 | 1 | <input checked="" type="checkbox"/> | 3 | 3.3 | 110.3 |
| Cal 2 | 2 | <input checked="" type="checkbox"/> | 5 | 5.1 | 102.7 |
| Cal 3 | 3 | <input checked="" type="checkbox"/> | 10 | 9.5 | 95.3 |
| Cal 4 | 4 | <input checked="" type="checkbox"/> | 25 | 25.2 | 100.8 |
| Cal 5 | 5 | <input checked="" type="checkbox"/> | 50 | 46.5 | 93.0 |
| Cal 6 | 6 | <input checked="" type="checkbox"/> | 100 | 94.3 | 94.3 |
| Cal 7 | 7 | <input checked="" type="checkbox"/> | 250 | 259.0 | 103.6 |

ISP Forensics Calibration Curve Report

D

Batch Data Path

C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist
2266\QuantResults\032918 THC Quant SP Worklist 2266.batch.bin

Last Calib Update

3/30/2018 11:57 AM

Analyst Name

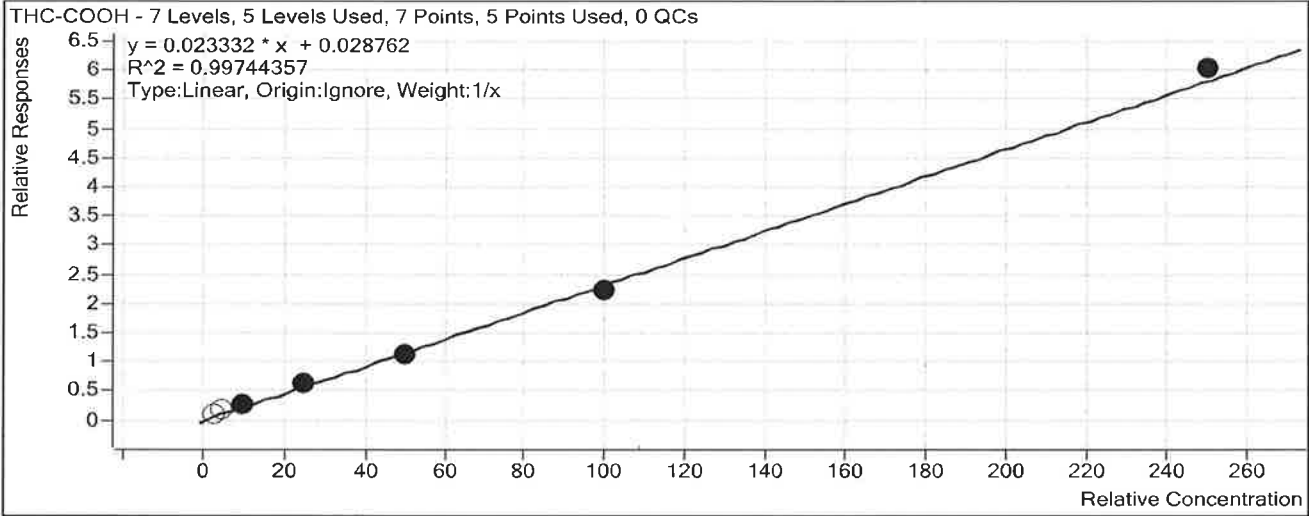
ISP TOX

Target Compound

THC-COOH

Internal Standard

THC-COOH-D9



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------|-------|-------------------------------------|----------|------------|----------|
| Cal 1 | 1 | <input type="checkbox"/> | 3 | 4.0 | 134.0 |
| Cal 2 | 2 | <input type="checkbox"/> | 5 | 6.6 | 132.7 |
| Cal 3 | 3 | <input checked="" type="checkbox"/> | 10 | 10.6 | 106.2 |
| Cal 4 | 4 | <input checked="" type="checkbox"/> | 25 | 25.6 | 102.3 |
| Cal 5 | 5 | <input checked="" type="checkbox"/> | 50 | 47.1 | 94.2 |
| Cal 6 | 6 | <input checked="" type="checkbox"/> | 100 | 94.4 | 94.4 |
| Cal 7 | 7 | <input checked="" type="checkbox"/> | 250 | 257.3 | 102.9 |

ISP FORENSICS Calibration Curve Report

P

Batch Data Path

C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist
2266\QuantResults\032918 THC Quant SP Worklist 2266.batch.bin

Last Calib Update

3/30/2018 11:57 AM

Analyst Name

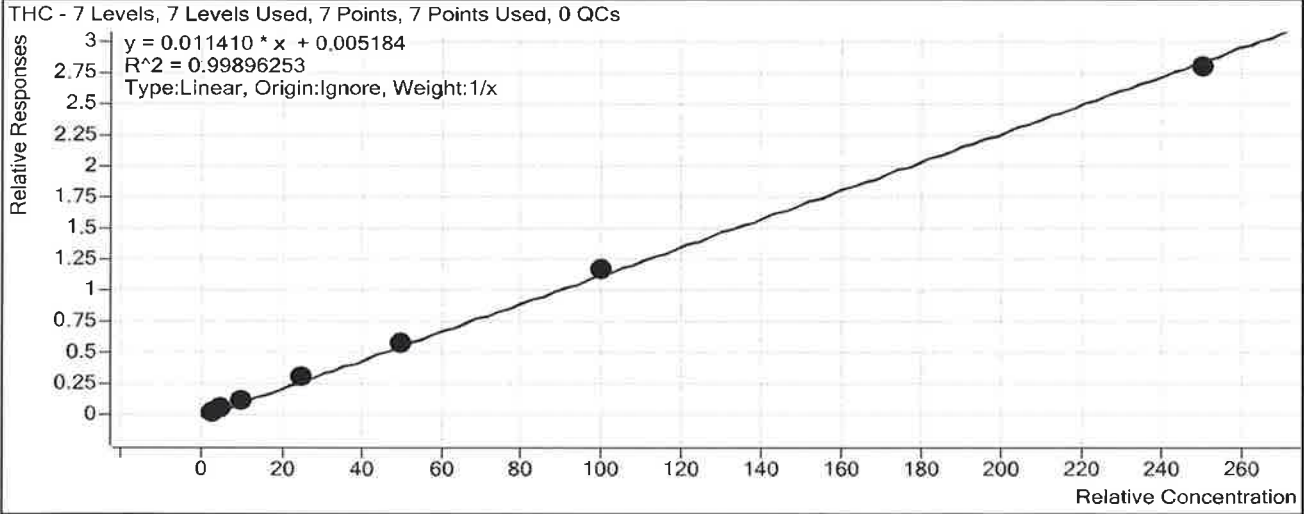
ISP TOX

Target Compound

THC

Internal Standard

THC-D3



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------|-------|-------------------------------------|----------|------------|----------|
| Cal 1 | 1 | <input checked="" type="checkbox"/> | 3 | 2.7 | 88.8 |
| Cal 2 | 2 | <input checked="" type="checkbox"/> | 5 | 5.1 | 102.7 |
| Cal 3 | 3 | <input checked="" type="checkbox"/> | 10 | 10.0 | 99.9 |
| Cal 4 | 4 | <input checked="" type="checkbox"/> | 25 | 26.7 | 106.9 |
| Cal 5 | 5 | <input checked="" type="checkbox"/> | 50 | 50.2 | 100.3 |
| Cal 6 | 6 | <input checked="" type="checkbox"/> | 100 | 103.5 | 103.5 |
| Cal 7 | 7 | <input checked="" type="checkbox"/> | 250 | 244.8 | 97.9 |

ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

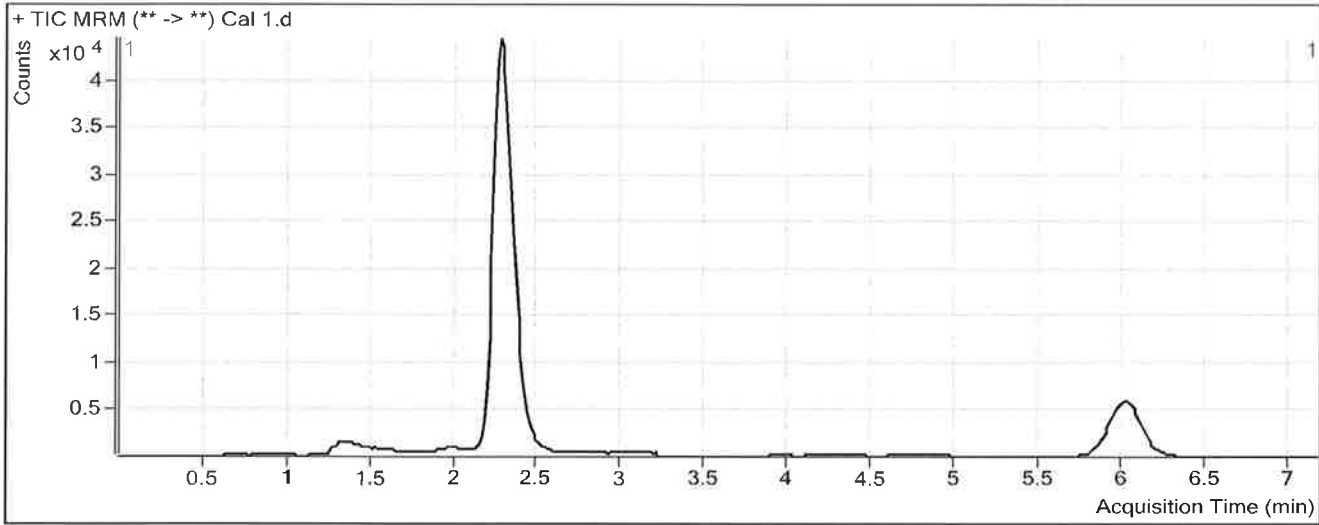
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|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist 2266\QuantResults\032918 THC Quant | | |
| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 11:59 AM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|------------------------------|
| Acq Time | 2018-03-29 13:54 | Data File | Cal 1.d |
| Sample Type | Calibration | Sample Name | Cal 1 |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-H6 | 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 | 2.279 | 8598 | 279204 | 0.0308 | 3.3101 |
| THC-COOH | THC-COOH-D9 | 2.379 | 8872 | 72374 | 0.1226 | 4.0210 |
| THC | THC-D3 | 6.039 | 2714 | 76268 | 0.0356 | 2.6639 |

ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

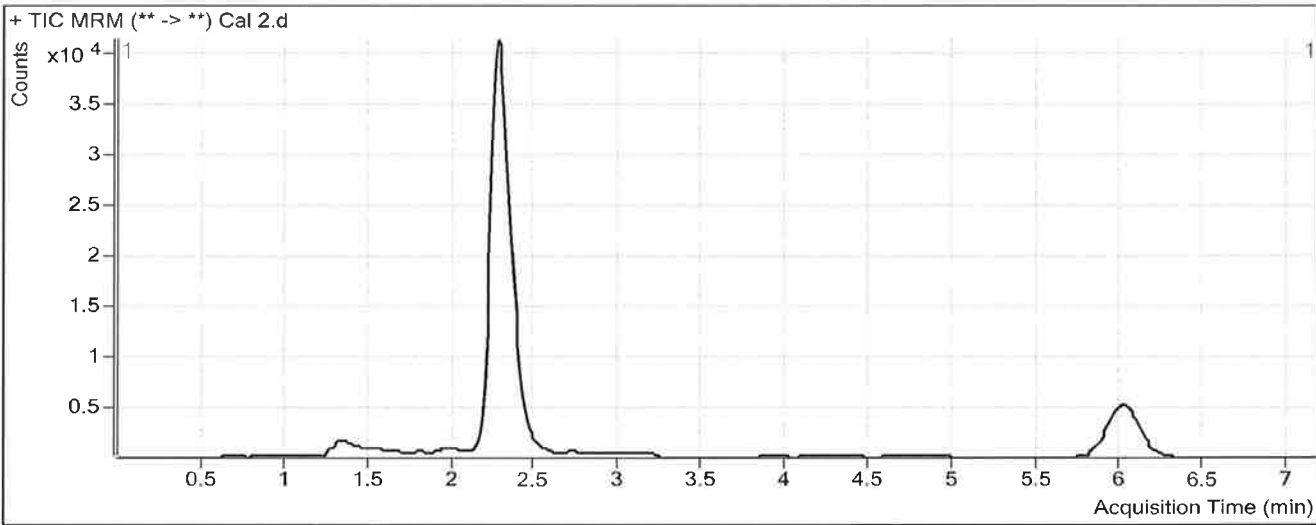
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|--------------------------|---|----------------------|-----------|
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| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 11:59 AM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|------------------------------|
| Acq Time | 2018-03-29 14:06 | Data File | Cal 2.d |
| Sample Type | Calibration | Sample Name | Cal 2 |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-G6 | 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 | 2.292 | 13282 | 252642 | 0.0526 | 5.1362 |
| THC-COOH | THC-COOH-D9 | 2.379 | 12054 | 65667 | 0.1836 | 6.6350 |
| THC | THC-D3 | 6.052 | 4144 | 64999 | 0.0638 | 5.1333 |

ISP FORENSICS - Pocatello Instrument # 59740

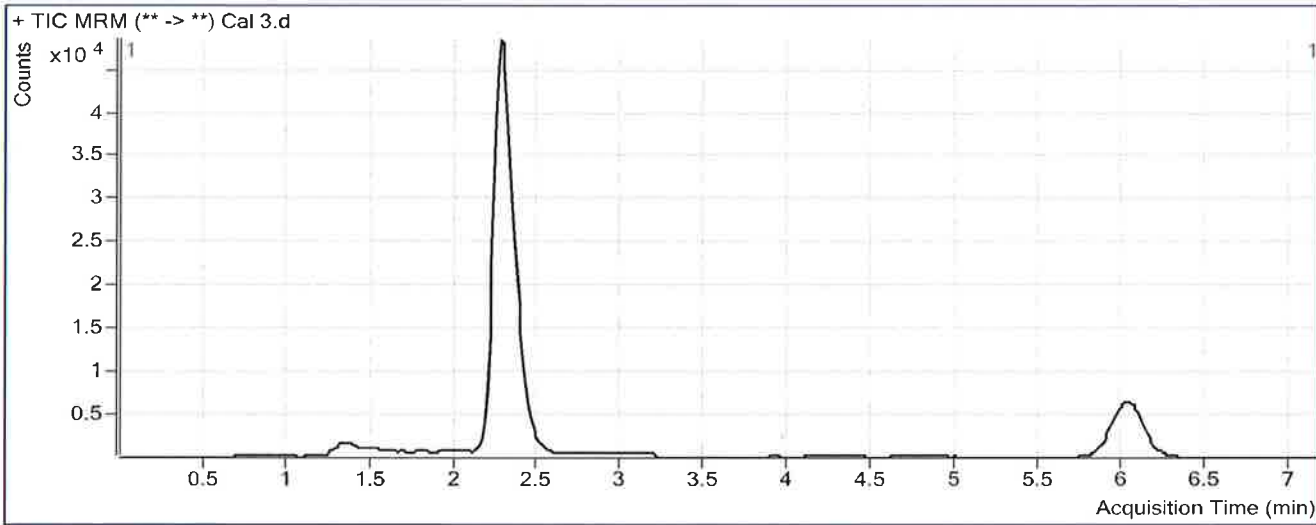
Cannabinoids Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
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| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 11:59 AM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|------------------------------|
| Acq Time | 2018-03-29 14:18 | Data File | Cal 3.d |
| Sample Type | Calibration | Sample Name | Cal 3 |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-F6 | 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 | 2.292 | 29840 | 284368 | 0.1049 | 9.5259 |
| THC-COOH | THC-COOH-D9 | 2.392 | 20152 | 72864 | 0.2766 | 10.6210 |
| THC | THC-D3 | 6.065 | 8954 | 75138 | 0.1192 | 9.9895 |

ISP FORENSICS - Pocatello Instrument # 59740

Cannabinoids Analysis Report

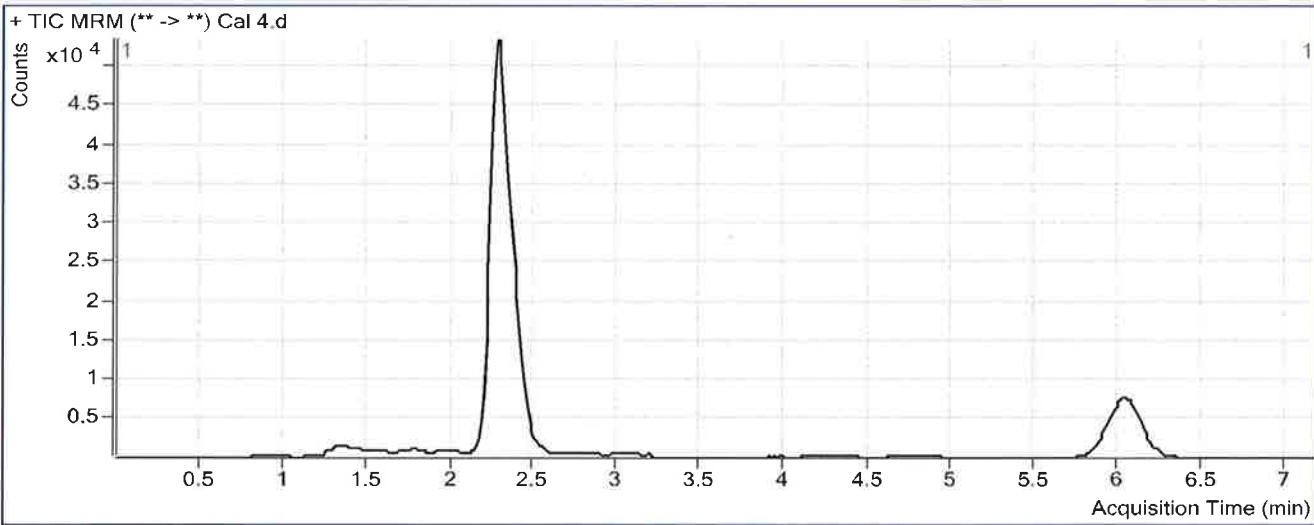
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| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist 2266\QuantResults\032918 THC Quant | | |
| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 11:59 AM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|------------------------------|
| Acq Time | 2018-03-29 14:29 | Data File | Cal 4.d |
| Sample Type | Calibration | Sample Name | Cal 4 |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-E6 | 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 | 2.292 | 78038 | 267414 | 0.2918 | 25.1948 |
| THC-COOH | THC-COOH-D9 | 2.392 | 43413 | 69421 | 0.6254 | 25.5701 |
| THC | THC-D3 | 6.065 | 22041 | 71090 | 0.3100 | 26.7189 |

ISP FORENSICS - Pocatello Instrument # 59740

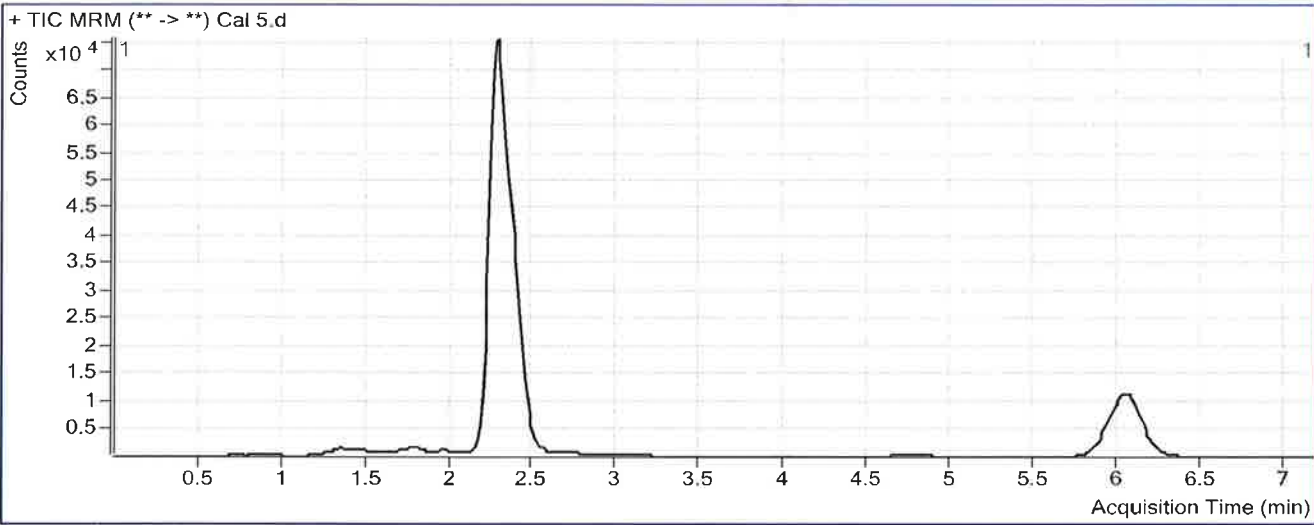
Cannabinoids Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist 2266\QuantResults\032918 THC Quant | | |
| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 11:59 AM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|------------------------------|
| Acq Time | 2018-03-29 14:41 | Data File | Cal 5.d |
| Sample Type | Calibration | Sample Name | Cal 5 |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-D6 | 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 | 2.292 | 173448 | 317781 | 0.5458 | 46.4885 |
| THC-COOH | THC-COOH-D9 | 2.392 | 89843 | 79696 | 1.1273 | 47.0839 |
| THC | THC-D3 | 6.065 | 47662 | 82508 | 0.5777 | 50.1730 |

ISP FORENSICS - Pocatello Instrument # 59740

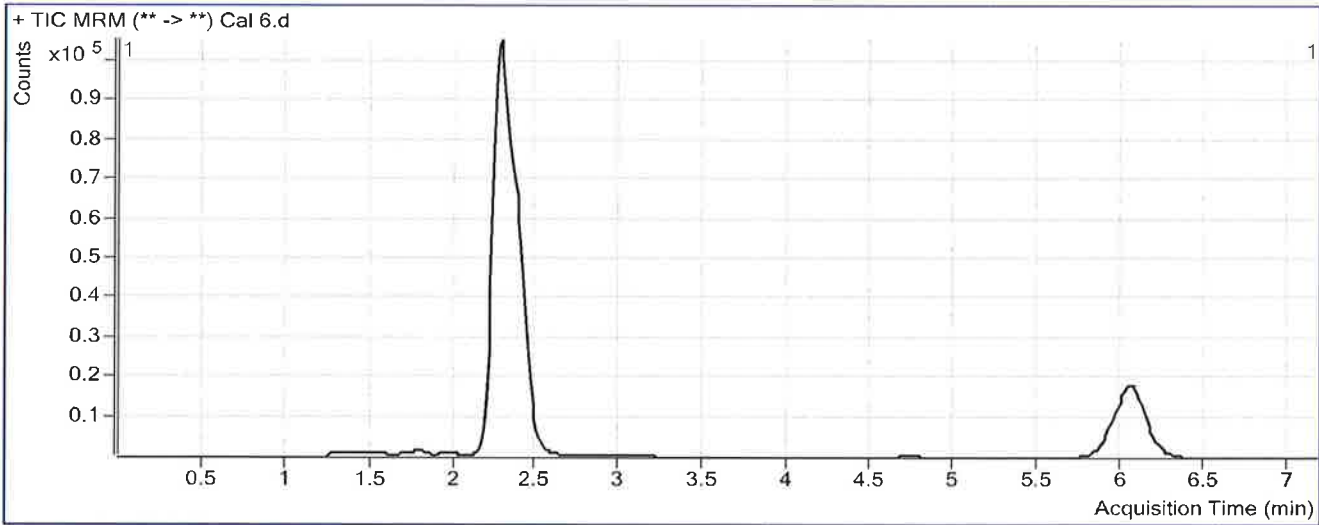
Cannabinoids Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
| Batch Data Path | C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist 2266\QuantResults\032918 THC Quant | | |
| Analysis Time | 3/30/2018 11:57 AM | Analyst Name | ISPUser |
| Report Time | 3/30/2018 11:59 AM | Reporter Name | ISPUser |
| Last Calib Update | 3/30/2018 11:57 AM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|------------------------------|
| Acq Time | 2018-03-29 14:53 | Data File | Cal 6.d |
| Sample Type | Calibration | Sample Name | Cal 6 |
| Dilution | 1 | Acq Method | THC Quant 051517 workingmm.m |
| Position | P1-C6 | 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 | 2.292 | 358322 | 321011 | 1.1162 | 94.3122 |
| THC-COOH | THC-COOH-D9 | 2.392 | 176927 | 79278 | 2.2317 | 94.4188 |
| THC | THC-D3 | 6.065 | 99898 | 84235 | 1.1860 | 103.4853 |

ISP FORENSICS - Pocatello Instrument # 59740

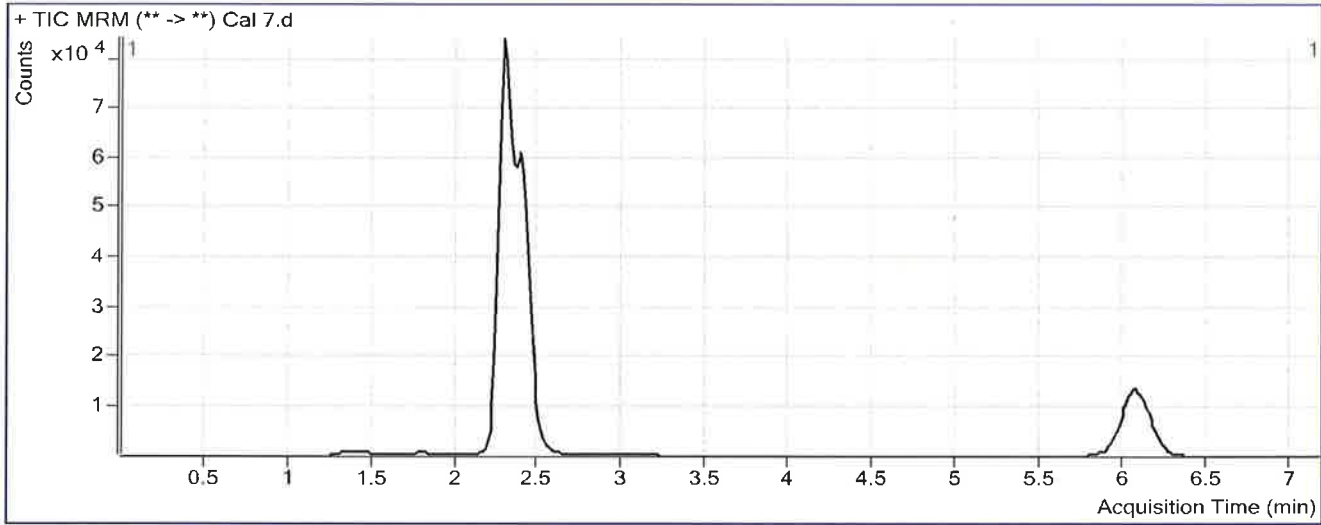
Cannabinoids Analysis Report

Batch Data Path C:\MassHunter\Data\2018\THC Quant\032918 THC Quant SP Worklist 2266\QuantResults\032918 THC Quant
Analysis Time 3/30/2018 11:57 AM **Analyst Name** ISPUser
Report Time 3/30/2018 11:59 AM **Reporter Name** ISPUser
Last Calib Update 3/30/2018 11:57 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-29 15:05 **Data File** Cal 7.d
Sample Type Calibration **Sample Name** Cal 7
Dilution 1 **Acq Method** THC Quant 051517 workingmm.m
Position P1-B6 **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 | 2.305 | 355614 | 115424 | 3.0809 | 259.0324 |
| THC-COOH | THC-COOH-D9 | 2.406 | 181299 | 30055 | 6.0322 | 257.3061 |
| THC | THC-D3 | 6.065 | 87859 | 31392 | 2.7988 | 244.8361 |