





**Worklist: 3736**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2019-3927	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2019-4169	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2019-4276	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2672	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2733	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2771	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2803	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2805	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2817	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2856	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2857	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2889	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2908	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2909	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2910	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2911	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2913	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2916	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2933	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2936	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2957	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 3736

15

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2019-2958	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2959	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-2960	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2019-3022	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

TS

## AM# 25: Multi-Drug Screen in Blood by LC-MS/MS

Extraction Date: 10/03/19  
Plate lot#: IDP 107-190725

Analyst: Tamara Salazar  
Plate Expiration: 1/25/2020

**Mobile phase A:** 10mM Amm Form  
0.5M Ammonium Hydroxide

**Mobile phase B:** 0.1% Formic Acid in MeOH  
Ethyl Acetate LC Methanol

**Blank Blood Lot:** Hemostat 445283-3  
**LCMS-QQQ ID:** 069901

**Column:** Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

### 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.

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** 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 **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 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% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

### Post-Analytic

- 1. Open quantitation software and create a new quantitation batch.  
Batch Name: MDS TS  
Worklist path: D:\MassHunter\Data\2019\AM 25-26\100419 wklst 3736 TS
- 2. Make necessary changes to integration limits
- 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. Calculated concentration 5 or greater, or 2-5 for discretionary range.
- 4. Did all QCs pass for each analyte? Y / N \_\_\_\_\_
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

TS



# Idaho State Police Forensic Services

## AM #25 Blood Multi-Drug Screen by LCMS-QQQ

### Methanol External Control Solution (Lot: 042719)

100 ul of 1mg/mL stock was added to each drug to 9600 ul of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	184782	
Morphine	Cerilliant	FE08141515	November 2020
Metoprolol	Cerilliant	FN06091510	July 2020
Flunitrazepam	Cerilliant	FE08051602	August 2021
Trazodone	Cerilliant	FN12151403	January 2020
Prepared:	04/27/19		
Prepared By:	Tamara Salazar		
Expires:	01/31/2020		

### Blood External Control Solution (Lot: WS042719)

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

Approximately 50ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	445283-1
Methanol External Control Solution		042719
Prepared:	04/27/19	
Prepared by:	Tamara Salazar	
Expires:	01/31/2020	



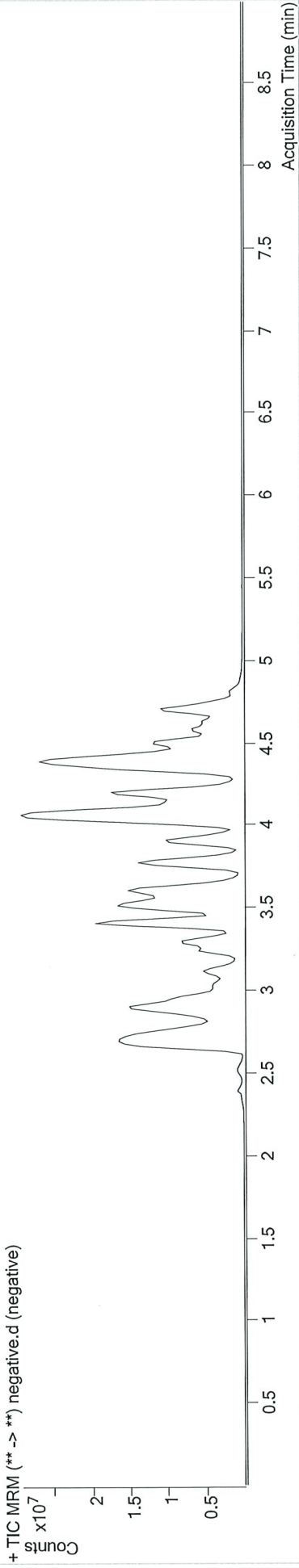


# AM #25 Multi-Drug Screen Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 25-26\100419 wklist 3736 TS\QuantResults\MDS TS.batch.bin  
10/7/2019 9:50:40 AM

Instrument Type	Falco	Data File	negative.d
Acq. Method	am 25 all.m	Sample Operator	negative
Sample Position	P1-C1	Comment	
Injection Volume	5		
Acq. Date-Time	10/4/2019 2:44:27 PM		
Sample Info.			

## Sample Chromatogram



15

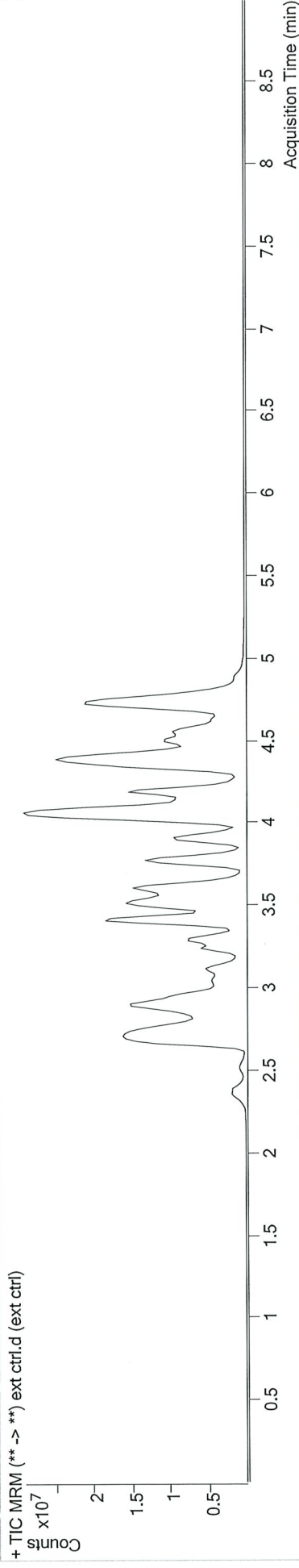


# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2019\AM 25-26\100419 wklist 3736 TS\QuantResults\MDS TS.batch.bin  
**Calibration Last Update** 10/7/2019 9:50:40 AM

<b>Instrument</b>	Falco	<b>Data File</b>	ext ctrl.d
<b>Type</b>	Sample	<b>Sample</b>	ext ctrl
<b>Acq. Method</b>	am 25 all.m	<b>Operator</b>	
<b>Sample Position</b>	P1-D1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/4/2019 2:53:58 PM		

**Sample Chromatogram**



<b>Name</b>	<b>RT</b>	<b>Resp.</b>	<b>S/N</b>	<b>S/N</b>	<b>ISTD Resp.</b>	<b>Calc. Conc.</b>
Flunitrazepam	4.562	9087005	∞	381309.77	208388	108.8290
Metoprolol	3.446	6054334	847.04	721.62	10751992	79.1015
Morphine	2.368	2514137	52000.80	52552.94	142367	109.1354
Trazodone	4.741	46453338	∞	15697.82	21565092	97.1562

15



# AM #25 Multi-Drug Screen Results

Batch results  
 Calibration Last Update  
 D:\MassHunter\Data\2019\AM 25-26\100419 wklist 3736 TS\QuantResults\MDS TS.batch.bin  
 10/7/2019 9:50:40 AM

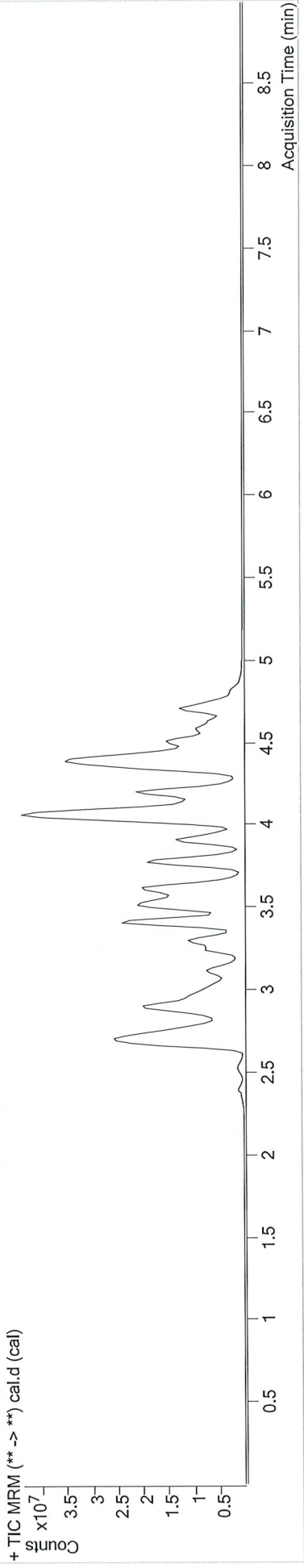
Instrument Type  
 Acq. Method  
 Sample Position  
 Injection Volume  
 Acq. Date-Time  
 Sample Info.

Falco Cal  
 am 25 all.m  
 P1-A1  
 5  
 10/4/2019 2:34:56 PM

Data File  
 Sample  
 Operator  
 Comment

cal.d  
 cal

## Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.966	34112	114.38	7743.50	836737	10.0000
7-aminoclonazepam	3.567	294321	∞	180.26	1592899	10.0000
7-aminoflunitrazepam	3.780	1632859	446.68	956.87	9809656	10.0000
Acetyl Fentanyl	3.931	261020	151.70	287311.17	23036596	10.0000
Acetyl Norfentanyl	2.899	222051	259.23	288.89	10312563	10.0000
a-hydroxyalprazolam	4.499	75102	38.68	73.79	499516	10.0000
alpha-hydroxymidazolam	4.589	1319320	1650.73	297740.32	7366032	10.0000
alpha-PVP	3.558	4283434	∞	899.88	19951080	10.0000
Alprazolam	4.609	1348227	44.08	5868.27	3686512	10.0000
Amitriptyline	4.475	4395421	1486.55	∞	8971079	10.0000
Amphetamine	2.904	2337273	1653.31	∞	5452458	10.0000
Benzoyllecgonine	3.351	745844	287488.43	52.74	3518682	10.0000
Buprenorphine	4.708	590364	99.93	3145.01	2026133	10.0000
Bupropion	3.787	4773084	∞	827.92	12029568	10.0000
Carbamazepine	4.218	6147227	143.11	4642.01	33186103	10.0000
Carisoprodol	4.201	467671	1603.55	88.91	2791780	10.0000
Chlordiazepoxide	4.717	514012	345.06	∞	15544274	10.0000
Chlorpheniramine	3.967	13329	5.58	3558.69	39322999	10.0000





# AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Citalopram	4.099	2596747	∞	∞	9678679	10.0000
Clonazepam	4.439	144547	6.64	49.90	311808	10.0000
Cocaine	3.580	3703558	1150353.97	561.15	17396261	10.0000
Codeine	2.879	305932	4384.21	454.82	1464707	10.0000
Cyclobenzaprine	4.399	2501050	7396.80	156.65	6889954	10.0000
Desipramine	4.416	4722613	5112.50	1423.82	28302207	10.0000
Dextromethorphan	4.107	1958303	4268.62	16200.31	8810410	10.0000
Dextroproprian	3.401	2396490	31561.36	877910.65	16318871	10.0000
Diazepam	4.841	673077	965.45	728.51	3497386	10.0000
Dihydrocodeine	2.787	1104236	∞	304.23	5079222	10.0000
Diphenhydramine	4.030	6922727	1099057.18	475.13	39322999	10.0000
Doxepin	4.198	2288628	268.30	∞	15788866	10.0000
Doxylamine	3.645	9168546	313923.46	∞	33788776	10.0000
EDDP	4.075	5072071	∞	∞	33333301	10.0000
Estazolam	4.519	2748504	923.20	171075.96	8028204	10.0000
Etizolam	4.619	264919	42920.63	1432.50	8028204	10.0000
Fentanyl	4.160	253043	15842.35	224.47	21742127	10.0000
Flunitrazepam	4.562	994753	418.84	563.27	248263	10.0000
Fluoxetine	4.348	2992308	2661972.41	555.81	12410940	10.0000
Flurazepam	4.220	2249507	201385.89	349329.21	248263	10.0000
Hydrocodone	3.076	998847	∞	200.39	6739997	10.0000
Hydromorphone	2.547	1005669	∞	∞	3613666	10.0000
Imipramine	4.444	5330752	∞	20979.39	22627294	10.0000
Ketamine	3.573	2729045	700.84	∞	13871282	10.0000
Lamotrigine	3.617	146113	258.12	52.03	10183888	10.0000
Levamisole	3.007	3697871	122864.62	2637.27	17396261	10.0000
Lorazepam	4.423	38487	2264.41	9.88	311808	10.0000
Maprotiline	4.075	3638912	1949.32	2299.43	8971079	10.0000
MDA	3.039	981462	261.49	307.28	4657696	10.0000
MDEA	3.267	4029430	5124.56	304.59	18592078	10.0000
MDMA	3.115	4335236	7246.74	1902.89	2988773	10.0000
Meperidine	3.617	2048069	∞	146.12	10183888	10.0000
Meprobamate	3.636	74624	761.07	8.93	286152	10.0000
Methadone	4.394	5646655	∞	2360.13	20661410	10.0000
Methamphetamine	3.009	3147156	∞	487.37	17283156	10.0000
Methocarbamol	3.556	220344	26204.82	91.57	10183888	10.0000
Methylphenidate	3.527	9166952	∞	537.13	38730017	10.0000
Metoprolol	3.446	724947	315.03	749.37	10183888	10.0000
Midazolam	4.758	577461	777.81	295.99	6290587	10.0000
Mirtazapine	4.045	2501246	260.94	295.50	10183888	10.0000
Mirtazapine	4.265	291200	163648.00	265703.28	15788866	10.0000
Morphine	2.368	199373	∞	15.22	123211	10.0000
Norbuprenorphine	3.882	39916	20.76	12086.30	346175	10.0000
Nordiazepam	4.691	289124	2183.33	47.35	938831	10.0000

TS



# AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Norfentanyl	3.327	5616876	380.45	2732.03	22871520	10.0000
Norhydrocodone	2.972	80086	33.00	89.09	1432889	10.0000
Normeperidine	3.604	1308916	104.21	192.10	4070032	10.0000
Noroxycodone	2.924	570936	69.15	587.19	1744361	10.0000
Nortriptyline	4.462	2106379	18097.66	1847.31	5209264	10.0000
O-desmethyl-tramadol	2.913	8177337	∞	175.56	37543399	10.0000
Olanzapine	4.024	360050	171.15	10656.30	107736	10.0000
Oxazepam	4.504	173152	34.23	40.03	1083432	10.0000
Oxycodone	2.952	1740739	∞	106.57	7082078	10.0000
Oxymorphone	2.393	979937	∞	148.05	2843602	10.0000
Paroxetine	4.421	375056	491.11	6694.90	8490964	10.0000
Phenazepam	4.634	292045	117146.98	449.11	1643033	10.0000
Phencyclidine	3.924	4361018	464.22	379.05	19009546	10.0000
Phentermine	3.147	1069532	∞	4.85 <b>Low</b>	11868092	10.0000
Phenytol	4.124	20625	∞	38.92	107736	10.0000
Promethazine	4.397	7254600	3274.85	∞	27870127	10.0000
Pseudoephedrine	2.719	42646349	5670.59	4645.16	119558399	10.0000
Quetiapine	4.542	5914939	780762.06	∞	6964916	10.0000
Sertraline	4.609	1711822	2043147.99	∞	8490964	10.0000
Sufentanil	4.526	276396	42787.46	204.58	20737370	10.0000
Tapentadol	3.436	3697268	1228.51	583.72	20160318	10.0000
Temazepam	4.656	1160282	345.31	16.04	6749797	10.0000
Tramadol	3.431	8760855	2581.12	139.19	35288889	10.0000
Trazodone	4.741	5147427	∞	4990.20	23216410	10.0000
Venlafaxine	3.796	6060647	926.62	970.98	31243898	10.0000
Zaleplon	4.349	1027050	68937.14	2039.58	2120669	10.0000
Zolpidem	4.364	7507636	5233.61	27185.32	36536996	10.0000
Zopiclone	4.281	131283	70.82	30.95	776413	10.0000

TS

TS

# AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS

Extraction Date: 10/03/19

Analyst: Tamara Salazar

Plate lot# IDP-108, 190716

Plate Expiration: 01/16/20

**Mobile phase A:** 10mM Ammonium Formate  
0.1% Formic Acid in Water

**Mobile phase B:** 0.1% Formic acid in MeOH  
Hexane

**Blank Blood Lot:** 445283-3

MTBE

**Column:** Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)

**LCMS-QQQ ID:** 069901

## 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 **1000 µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **500 µL 0.1% formic acid** for blood in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **800 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 4 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 **2.25 mL 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 **2.25 mL 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: *D:\MassHunter\Data\2019\AM 25-26\101119 AM 26*  
Batch Name: *THCS TS*
- 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC.
- 3. Retention time within +/- 2% or +/- .100 min whichever is greater of the average retention time of the calibrators.
- 4. Did all QCs pass for each analyte? Y / N
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *Extraction was performed on 10/03/19, but could not be ran until 10/11/19 due to a fault with the instrument's nitrogen generator.*



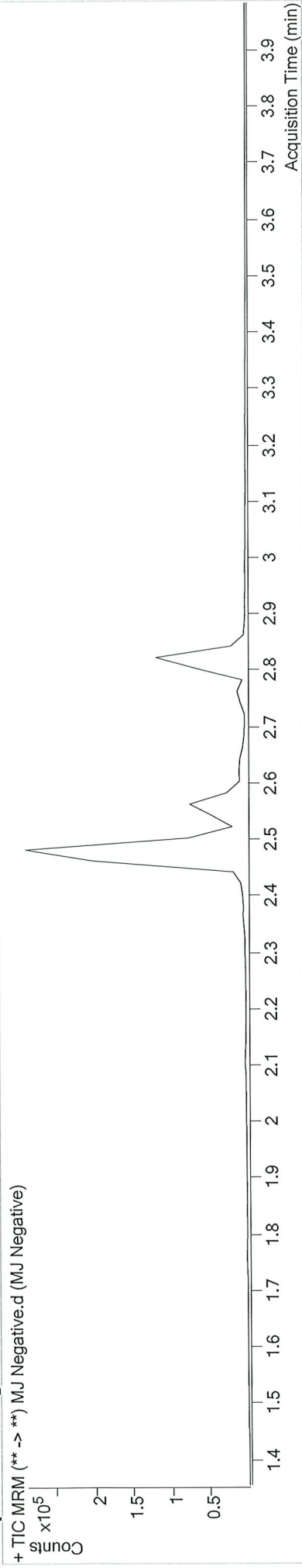
# AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
Calibration Last Update 10/11/2019 1:07:11 PM

Instrument Falco  
Type Sample  
Acq. Method am 26 test.m  
Sample Position P3-A2  
Injection Volume 10  
Acq. Date-Time 10/11/2019 10:04:25 AM  
Sample Info.

Data File MJ Negative.d  
Sample MJ Negative  
Operator  
Comment

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	497	1.31 <b>Low</b>	19.1	∞	235832	0.5713 ng/ml
THC-COOH	2.565	907	1.60 <b>Low</b>	2113.7 <b>High</b>	1.47 <b>Low</b>	139556	1.0070 ng/ml

TS



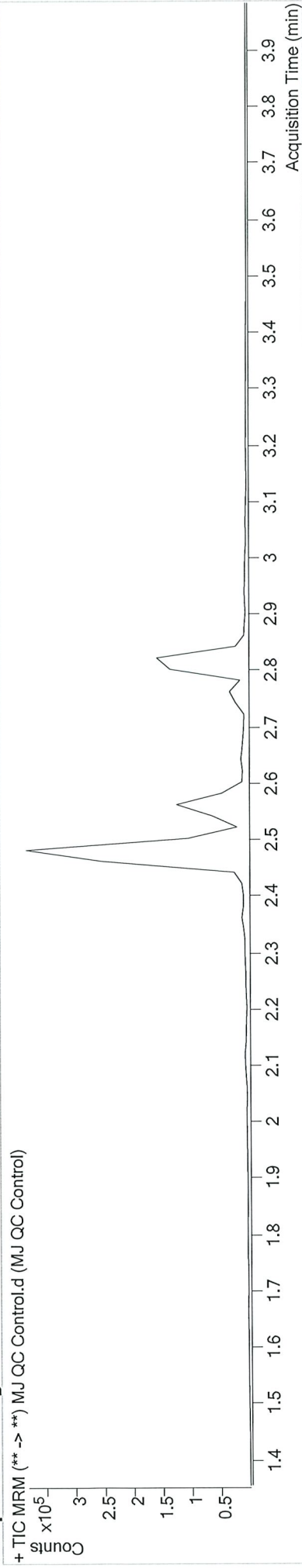


# AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
Calibration Last Update 10/11/2019 1:07:11 PM

Instrument	Falco	Data File	MJ QC Control.d
Type	Sample	Sample	MJ QC Control
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-H1	Comment	
Injection Volume	10		
Acq. Date-Time	10/11/2019 9:51:23 AM		

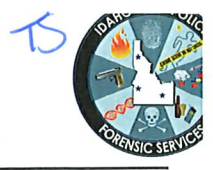
## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	10410	15.18	25.9	3.94 <b>Low</b>	337976	4.5364 ng/ml
THC-COOH	2.565	41051	568.54	137.8	1.55 <b>Low</b>	161070	17.3177 ng/ml
THC-OH	2.491	37568	3.11 <b>Low</b>	16.4	47.60	823283	4.1054 ng/ml

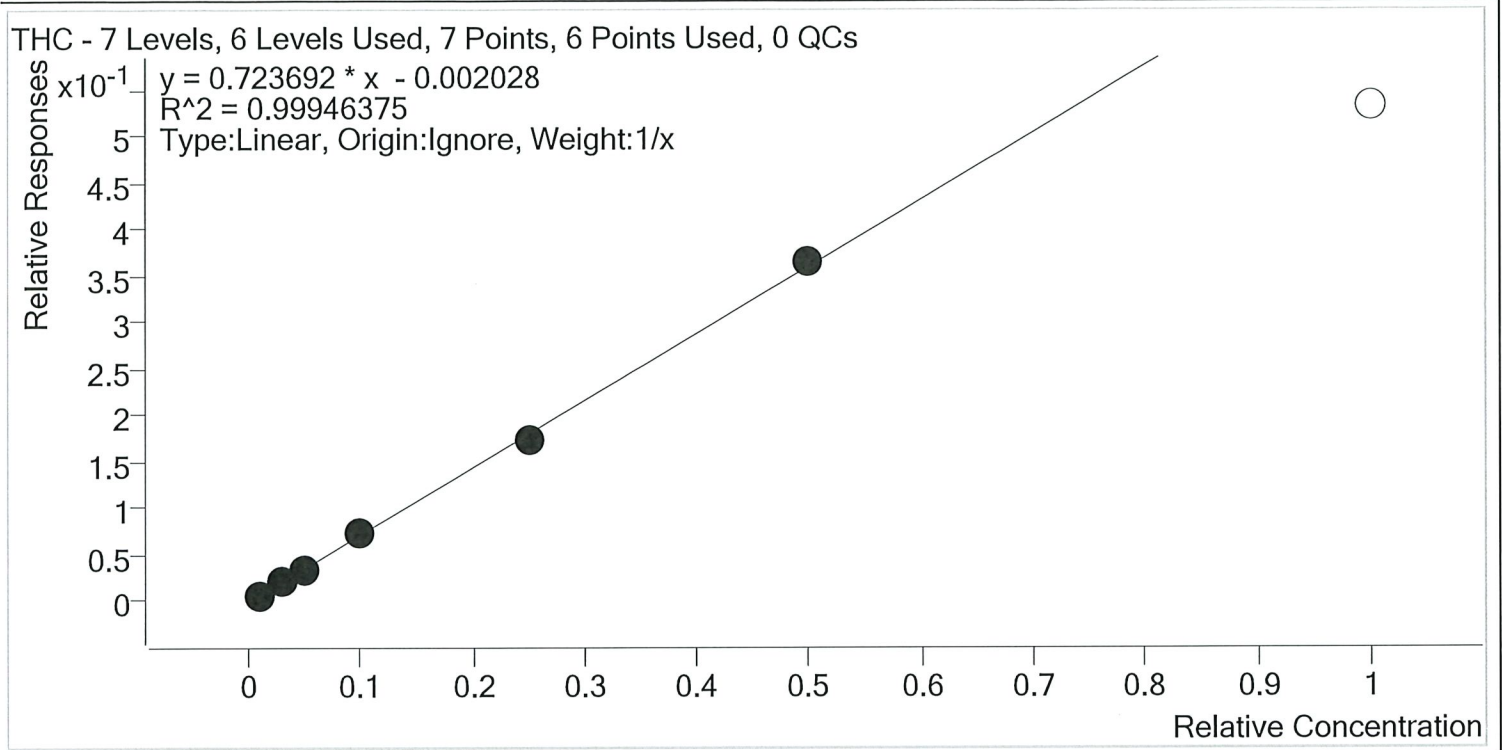
15





# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
**Last Cal. Update** 10/11/2019 1:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-d3



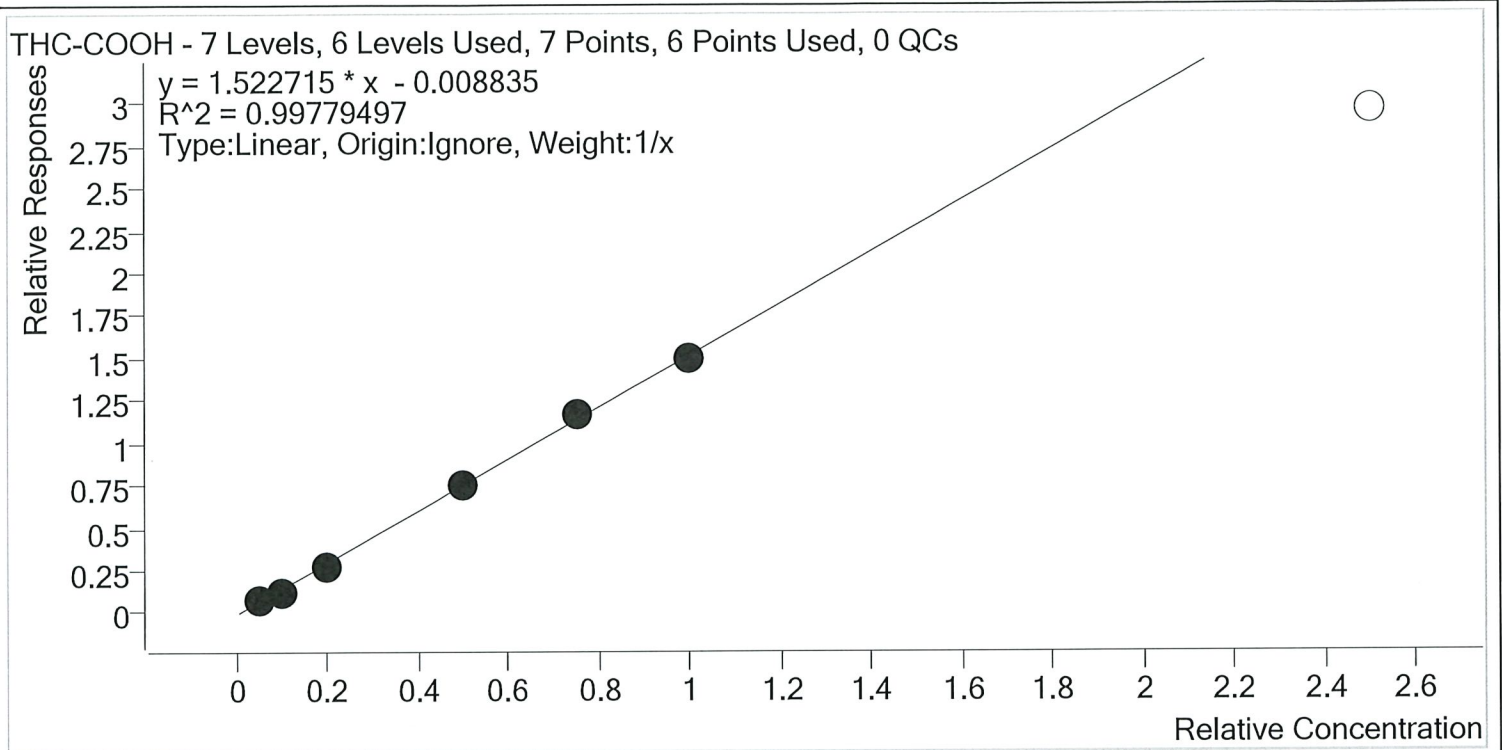
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.0	99.2
MJ Cal 2	2	✓	3.0	3.0	101.5
MJ Cal 3	3	✓	5.0	5.0	99.5
MJ Cal 4	4	✓	10.0	10.2	101.9
MJ Cal 5	5	✓	25.0	24.2	96.7
MJ Cal 6	6	✓	50.0	50.6	101.2
MJ Cal 7	7	×	100.0	73.9	73.9

TS



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
**Last Cal. Update** 10/11/2019 1:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-COOH **Internal Standard** THC-COOH-d9

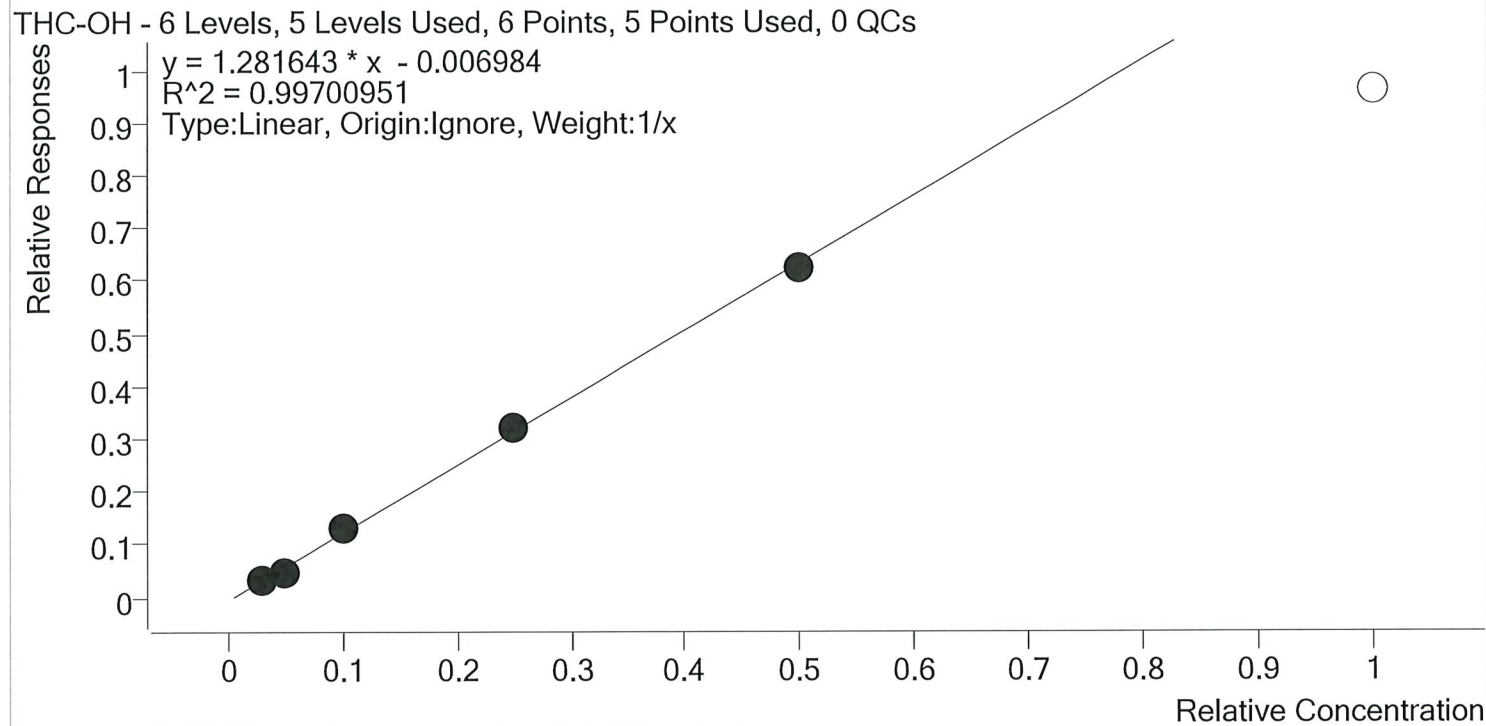


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.7	114.8
MJ Cal 2	2	✓	10.0	8.8	87.8
MJ Cal 3	3	✓	20.0	19.0	95.2
MJ Cal 4	4	✓	50.0	50.0	100.1
MJ Cal 5	5	✓	75.0	77.1	102.9
MJ Cal 6	6	✓	100.0	99.3	99.3
MJ Cal 7	7	×	250.0	194.8	77.9



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
**Last Cal. Update** 10/11/2019 1:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2	2	✓	3.0	3.2	106.2
MJ Cal 3	3	✓	5.0	4.3	86.3
MJ Cal 4	4	✓	10.0	10.7	106.9
MJ Cal 5	5	✓	25.0	25.5	101.9
MJ Cal 6	6	✓	50.0	49.3	98.7
MJ Cal 7	7	×	100.0	75.5	75.5



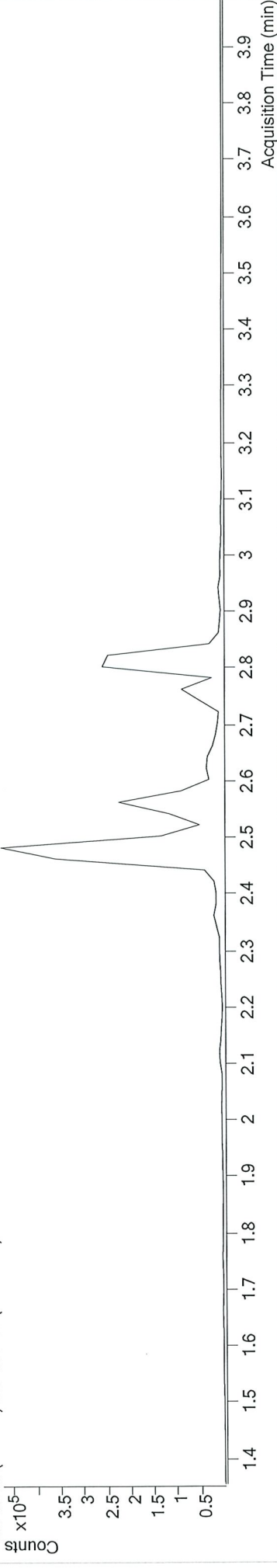
# AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
Calibration Last Update 10/11/2019 1:07:11 PM

Instrument Type	Falco Cal	Data File	MJ Cal 1.d
Acq. Method	am 26 test.m	Sample	MJ Cal 1
Sample Position	P3-A1	Operator	
Injection Volume	10	Comment	
Acq. Date-Time	10/11/2019 9:05:38 AM		

### Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) MJ Cal 1.d (MJ Cal 1)



Name	RT	Resp.	S/N	Ratio	ISTD Resp.	Final Conc.
THC	2.819	2996	0.70	23.1	581917	0.9918 ng/ml
THC-COOH	2.565	27916	0.59	191.1	355172	5.7419 ng/ml

8





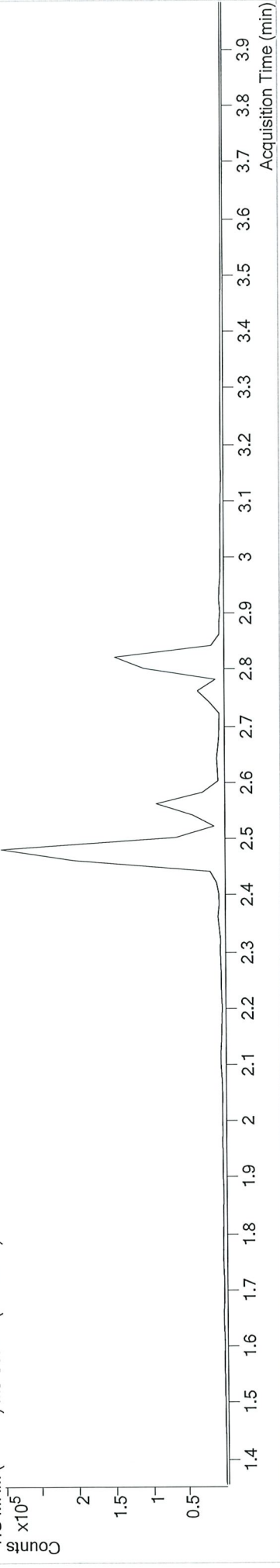
# AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
Calibration Last Update 10/11/2019 1:07:11 PM

Instrument	Falco	Data File	MJ Cal 2.d
Type	Cal	Sample	MJ Cal 2
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-B1	Comment	
Injection Volume	10		
Acq. Date-Time	10/11/2019 9:12:19 AM		

### Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) MJ Cal 2.d (MJ Cal 2)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	6102	34.83	24.5	4.90	304913	3.0454 ng/ml
THC-COOH	2.565	16568	46.20	118.2	0.90	132772	8.7751 ng/ml
THC-OH	2.491	22265	∞	13.6	∞	657650	3.1866 ng/ml

Handwritten mark resembling a stylized 'b' or '6'.



# AM #26 Cannabinoids Screen Results

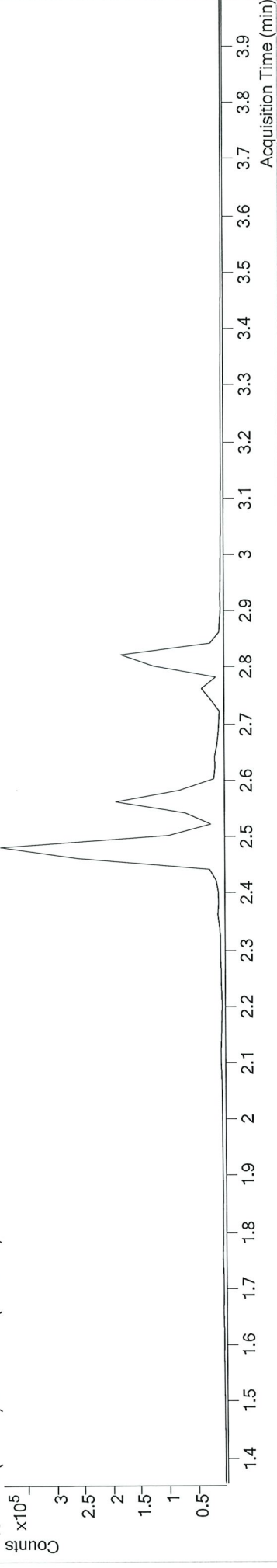
Batch results D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
Calibration Last Update 10/11/2019 1:07:11 PM

Instrument Falco  
Type Cal  
Acq. Method am 26 test.m  
Sample Position P3-C1  
Injection Volume 10  
Acq. Date-Time 10/11/2019 9:18:49 AM  
Sample Info.

Data File  
Sample MJ Cal 3.d  
Operator MJ Cal 3  
Comment

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) MJ Cal 3.d (MJ Cal 3)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	12398	34.52	26.3	4.25	364995	4.9739 ng/ml
THC-COOH	2.565	62307	∞	148.6	2.60	221604	19.0448 ng/ml
THC-OH	2.491	41121	2.01	16.7	38.21	850932	4.3155 ng/ml

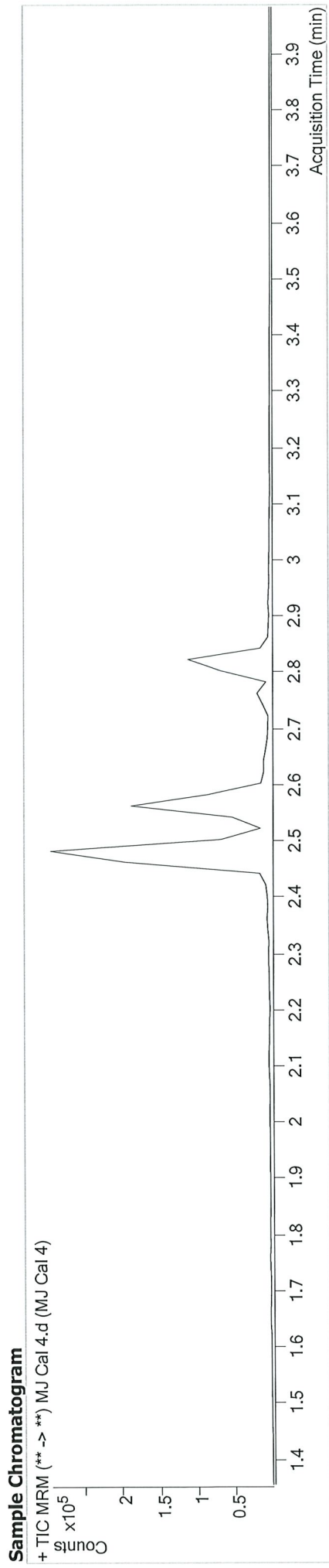
10



# AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
Calibration Last Update 10/11/2019 1:07:11 PM

Instrument	Falco	Data File	MJ Cal 4.d
Type	Cal	Sample	MJ Cal 4
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-D1	Comment	
Injection Volume	10		
Acq. Date-Time	10/11/2019 9:25:20 AM		



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	14671	99.20	24.7	9.43	204640	10.1866 ng/ml
THC-COOH	2.565	99913	401.13	146.4	7.80	132675	50.0357 ng/ml
THC-OH	2.491	76220	12.44	12.9	76.81	586062	10.6924 ng/ml

BS

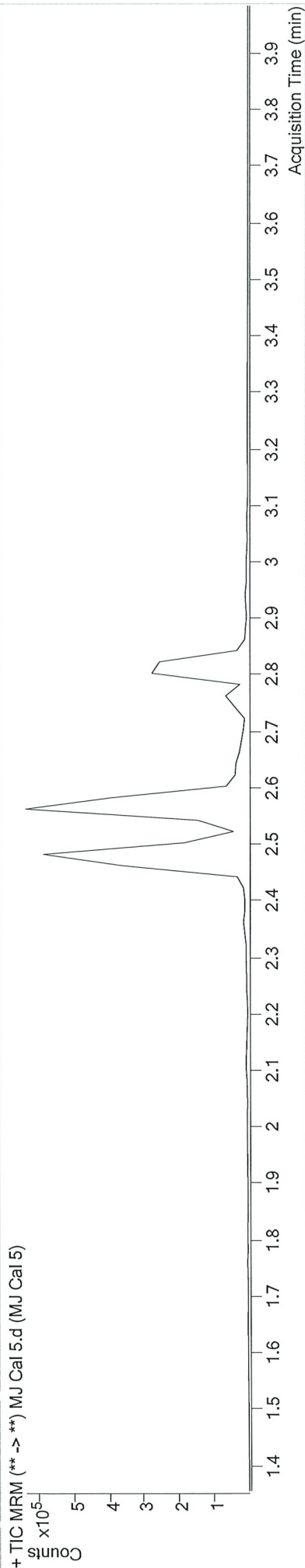


# AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
Calibration Last Update 10/11/2019 1:07:11 PM

Instrument	Falco	Data File	MJ Cal 5.d
Type	Cal	Sample	MJ Cal 5
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-E1	Comment	
Injection Volume	10		
Acq. Date-Time	10/11/2019 9:31:50 AM		

### Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	ISTD Resp.	Final Conc.
THC	2.819	91553	18.77	25.4	529334	24.1798 ng/ml
THC-COOH	2.565	417322	9.09 <b>Low</b>	148.1	357972	77.1406 ng/ml
THC-OH	2.491	325374	1648.91	11.9	1018629	25.4679 ng/ml

TS



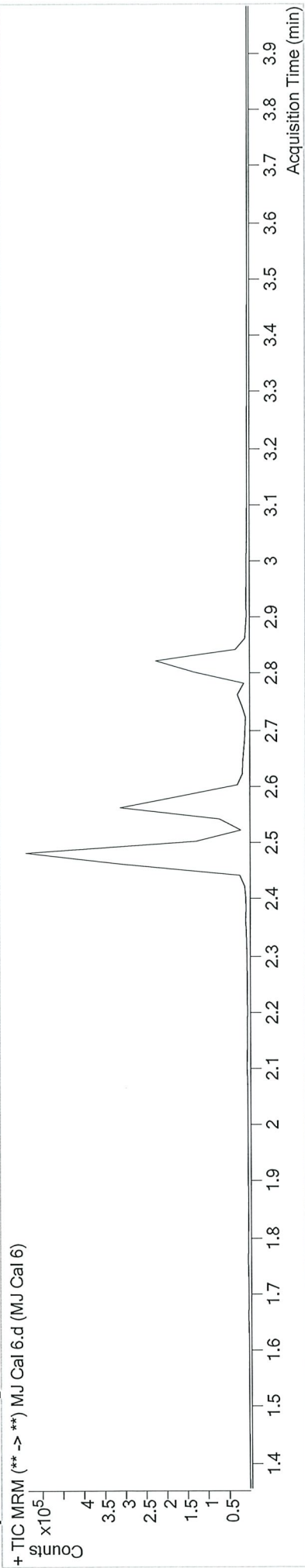


# AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
Calibration Last Update 10/11/2019 1:07:11 PM

Instrument	Falco	Data File	MJ Cal 6.d
Type	Cal	Sample	MJ Cal 6
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-F1	Comment	
Injection Volume	10		
Acq. Date-Time	10/11/2019 9:38:21 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	ISTD Resp.	Final Conc.
THC	2.839	111948	1135.37	24.4	307279	50.6224 ng/ml
THC-COOH	2.565	204156	725.67	152.6	135865	99.2619 ng/ml
THC-OH	2.491	429227	$\infty$	12.8	686382	49.3376 ng/ml

TS

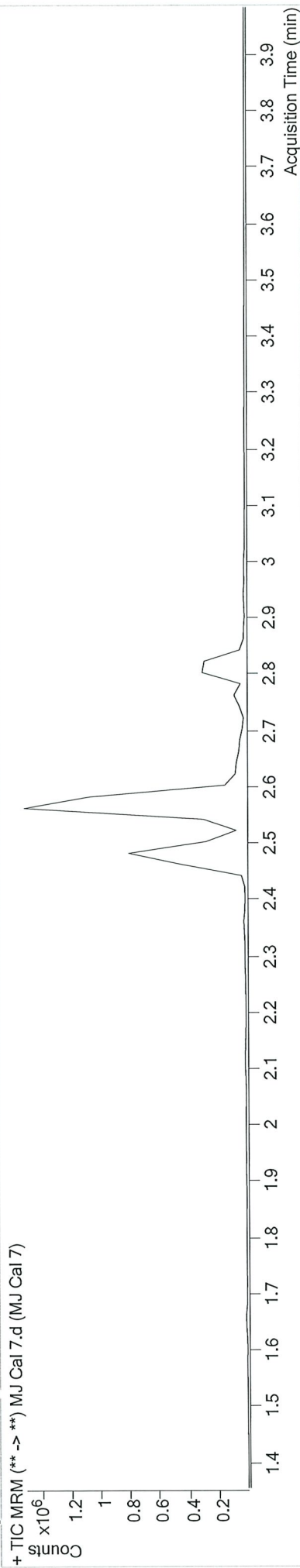


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\AM 25-26\101119 AM 26\QuantResults\THCS TS.batch.bin  
**Calibration Last Update** 10/11/2019 1:07:11 PM

<b>Instrument</b>	Falco	<b>Data File</b>	MJ Cal 7.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 7
<b>Acq. Method</b>	am 26 test.m	<b>Operator</b>	
<b>Sample Position</b>	P3-G1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	10/11/2019 9:44:51 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	223517	∞	24.6	40.46	419570	73.8930 ng/ml
THC-COOH	2.565	1232514	2927.73	155.2	43.12	416827	194.7659 ng/ml
THC-OH	2.491	888320	∞	12.8	∞	924889	75.4848 ng/ml

2