












Worklist: 6797

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2024-0776	1	URINE	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-0776	2	URINE	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-0776	3	URINE	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-0776	4	URINE	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-0776	5	URINE	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-0776	6	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-0776	7	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-0776	8	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-0776	9	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

MB

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

Extraction Date: 5/02/24

Plate lot#: 231213

Mobile phase A: 10mM Amm Form

Blank Blood Lot: 23J52629

LCMS-QQQ ID: 69679

Analyst: Mikel Buffaloe

Plate Retest Date: 6/13/2024

Mobile phase B: 0.1% Formic Acid in MeOH

Blank Urine Lot: 1324

Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)

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. **Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.**
- 3. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate.
Pipette ID: P31168J
- 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.
Amount transferred: 300
- 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).
- 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. **If run contains urine or at the analyst's discretion, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** SPE Dry ID: 66819
- 16. Reconstitute in **100µL 20% 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.
- 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 of 5 or greater or 2-5 for discretionary range.
- 4. Did all QCs pass for each analyte? If no, describe issue in comments (below).
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

Competency Test

NWB

	1	2	3	4	5	6	7	8	9	10	11	12
A						neg blood	Item 3					
B	cal 1					Item 6	Item 4					
C						Item 7	Item 5					
D	internal urine control					Item 8						
E						Item 9						
F						neg urine						
G						Item 1						
H						Item 2						

plate position 2

MB

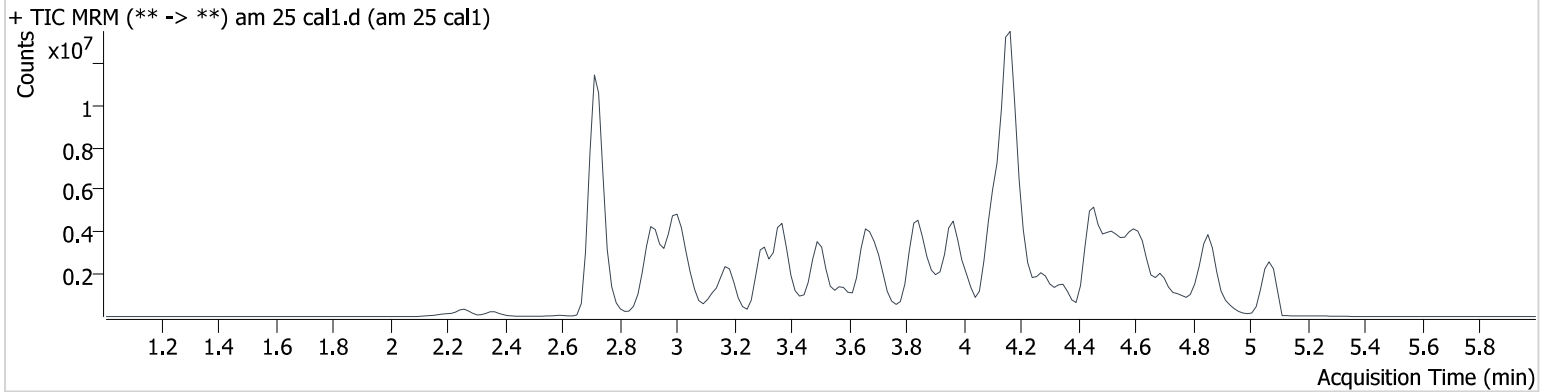
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am25.batch.bin
Calibration Last Update 5/6/2024 8:45:01 AM

Instrument 69679 **Data File** am 25 cal1.d
Type Cal **Sample** am 25 cal1
Acq. Method mds 4324.m **Operator** Mikel Buffaloe
Sample Position P2-B1 **Comment**
Injection Volume 2.5
Acq. Date-Time 5/2/2024 2:00:52 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.865	291412	1166.1	193.0	635587	10.000
6-MAM	2.877	20153	13659.3	138.9	887410	10.000
7-aminoclonazepam	3.616	36430	283.5	52.3	258526	10.000
7-aminoflunitrazepam	3.846	372780	145.9	378.3	258526	10.000
9-Hydroxyrisperidone	3.962	3009640	739.9	12584.5	258526	10.000
Acetyl Fentanyl	3.843	156538	350.4	32258.4	4018415	10.000
Acetyl Norfentanyl	2.886	81405	206.5	276.6	11922030	10.000
a-hydroxyalprazolam	4.703	31349	10907.4	4977.6	635587	10.000
alpha-hydroxymidazolam	4.747	534527	1387.9	208.2	2731167	10.000
alpha-PHP	3.865	1047060	685.7	2263.1	3067439	10.000
alpha-PVP	3.575	939252	805.5	519.4	3067439	10.000
Alprazolam	4.782	459729	419.5	279.6	2731167	10.000
Amitriptyline	4.633	885722	210.7	478.3	4282399	10.000
Amphetamine	2.936	980255	1125.3	536.6	3067439	10.000
Benzoylecgonine	3.431	24573	6332.7	∞	100219	10.000
Bromazolam	4.868	202659	670.5	4091.0	2731167	10.000
Brompheniramine	4.213	48709	2370.1	1047.0	31787013	10.000
Buprenorphine	4.360	2435	2617.0	114.6	1296705	10.000
Bupropion	3.851	1766323	1073.4	1321.4	7526582	10.000
Carbamazepine	4.359	2480931	∞	520.1	3234538	10.000
Carisoprodol	4.295	275944	5307.0	58.8	2137385	10.000
Chlordiazepoxide	4.952	205089	7140.1	260.4	2731167	10.000
Chlorpheniramine	4.093	2724479	∞	15042.3	5261822	10.000
Chlorpromazine	4.857	815036	223.6	270437.0	4951384	10.000
Citalopram	4.258	1385673	636.3	1212.7	31787013	10.000
Clomipramine	4.872	1126860	417.7	1288.6	2427439	10.000
Clonazepam	4.643	91377	104.3	4990.4	30808	10.000
Clonazolam	4.516	92712	252.7	16893.7	635587	10.000
clozapine	4.441	1535086	3170.2	392886.1	7850185	10.000
Cocaethylene	3.889	1465755	414410.1	632038.4	9335373	10.000
Cocaine	3.660	1549142	481.4	176.1	9335373	10.000
Codeine	2.742	125797	37.5	881.5	3234538	10.000

WAB

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cyclobenzaprine	4.541	1391219	942.8	556.1	4282399	10.000
Desipramine	4.603	1857156	1783.2	1100.6	4282399	10.000
Dextromethorphan	4.217	759043	679.2	62038.4	5261822	10.000
Dextrorphan	3.434	876520	309870.0	626.5	3067439	10.000
Diazepam	5.045	401394	405.1	836.0	2731167	10.000
Dihydrocodeine	2.695	336508	1190.7	1279.1	3234538	10.000
Dimethyltryptamine	3.009	906074	670.6	394.8	3067439	10.000
Diphenhydramine	4.173	3750618	853.8	608.3	31787013	10.000
Doxepin	4.339	841124	427.6	227.1	7850185	10.000
Doxylamine	3.709	3169443	36590.6	3917.7	3067439	10.000
Duloxetine	4.538	43220	8601.0	299039.3	2427439	10.000
EDDP	4.216	92185	949.0	14987.4	619130	10.000
Estazolam	4.692	942426	579.1	241.3	2731167	10.000
Etizolam	4.762	51111	20460.8	582.7	2731167	10.000
Fentanyl	4.103	138796	420.5	29676.3	8606095	10.000
Flualprazolam	4.610	198255	848.0	831.5	2731167	10.000
Flunitrazepam	4.751	426525	1896.1	87419.3	635587	10.000
Fluorofentanyl	4.132	114689	26569.0	84.2	8606095	10.000
Fluoxetine	4.521	1334783	8197.5	23171.2	2427439	10.000
Flurazepam	4.269	1239286	472567.9	113516.1	1296705	10.000
Gabapentin	2.493	3848	43.8	19.2	7850185	10.000
Hydrocodone	2.971	457111	195.6	1383.0	3234538	10.000
Hydromorphone	2.353	332643	777.7	1425.8	90089	10.000
hydroxyzine	4.684	1965414	970.1	5479.2	7850185	10.000
Imipramine	4.601	2987151	1270742.2	294.8	4282399	10.000
Ketamine	3.467	1100264	468536.0	88.1	4546932	10.000
Lamotrigine	3.634	593865	1603.2	447.8	3067439	10.000
Levamisole	2.917	788939	6031.2	104.1	9335373	10.000
Levetiracetam	2.600	66228	82.7	103.5	258526	10.000
Lorazepam	4.596	17398	∞	∞	635587	10.000
Maprotiline	4.632	706876	935.9	141.5	4282399	10.000
MDA	3.056	1243819	795.7	528.8	9492269	10.000
MDEA	3.300	1783052	823.8	825.3	9492269	10.000
MDMA	3.132	1819873	763.5	885.0	9492269	10.000
Meperidine	3.665	836724	251.2	1563.7	90089	10.000
Meprobamate	3.729	115620	1832.9	42.2	2137385	10.000
Methadone	4.567	3320917	4519.8	652681.1	4018415	10.000
Methamphetamine	3.027	1201583	∞	∞	9492269	10.000
Methocarbamol	3.681	58306	131.7	183.9	2137385	10.000
Methylphenidate	3.590	2505414	6335.6	1652.8	6888075	10.000
Metoprolol	3.510	394881	5300.7	19576.2	3067439	10.000
Midazolam	4.855	233744	1265.0	30522.4	258526	10.000
Mirtazapine	3.833	1198101	2821.3	3129.9	1296705	10.000
Mitragynine	4.269	187524	120383.1	232933.3	8606095	10.000
Morphine	2.186	90104	33.0	1747.4	90089	10.000
Norbuprenorphine	3.916	59932	30295.8	220.8	1296705	10.000
Nordiazepam	4.909	164845	43654.6	120.7	2731167	10.000
Norfentanyl	3.390	2030284	1695.1	2269.2	11922030	10.000
Norhydrocodone	2.957	49119	251.0	21.4	3234538	10.000
norketamine	3.514	146359	186.6	4672.1	4546932	10.000
Normeperidine	3.697	1201029	19734.3	262.1	90089	10.000
Noroxycodone	2.925	475424	∞	92.0	3234538	10.000
Nortriptyline	4.634	956047	366258.8	207.9	2427439	10.000
O-desmethyl-tramadol	2.929	2576218	11384.7	145.4	4018415	10.000
O-Desmethylvenlafaxine	3.310	775860	990.1	8851.1	4018415	10.000
Olanzapine	3.783	826417	7639.0	1297.7	2427439	10.000
Oxazepam	4.708	81197	58.3	21.4	635587	10.000
Oxycodone	2.923	892428	421.0	975.4	4546932	10.000
Oxymorphone	2.257	592676	410.6	227.2	90089	10.000
Paroxetine	4.548	217054	118097.1	1034.7	2427439	10.000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phenazepam	4.823	201266	117.4	94752.1	2731167	10.000
Phencyclidine	4.020	2217655	355.8	633.8	4018415	10.000
Phentermine	3.210	645184	∞	41125380 762777.6	6888075	10.000
Phenytoin	4.250	79106	206.7	34.6	30808	10.000
primidone	3.515	750762	317158.8	349.5	30808	10.000
Promethazine	4.508	2744186	872.1	380.2	4282399	10.000
Pseudoephedrine	2.721	34826431	1486.7	18157.2	6888075	10.000
Quetiapine	4.530	2347650	17154.4	222721.1	5261822	10.000
Risperidone	4.146	2070449	25094.3	285.3	5261822	10.000
Sertraline	4.829	473822	∞	6359.2	2427439	10.000
Sufentanil	4.423	108560	42912.3	29723.7	8606095	10.000
Tapentadol	3.514	1957294	1166.1	723.8	4546932	10.000
Temazepam	4.860	597880	429.4	42.4	2731167	10.000
Topiramate	3.919	56360	7385.9	19740.9	22498	10.000
Tramadol	3.495	6323494	∞	120.4	887410	10.000
Trazodone	4.500	2022369	158035.5	299258.4	9617433	10.000
Venlafaxine	3.924	3025905	8696.4	123.6	4018415	10.000
Xylazine	3.406	138094	∞	12017.6	4018415	10.000
Zaleplon	4.507	457832	236158.3	2101.2	635587	10.000
Zolpidem	4.152	2866778	2193.0	5748.4	12831493	10.000
Zopiclone	4.100	206446	52335.7	88715.1	1158368	10.000

MBB

AM #25 Multi-Drug Screen. Results

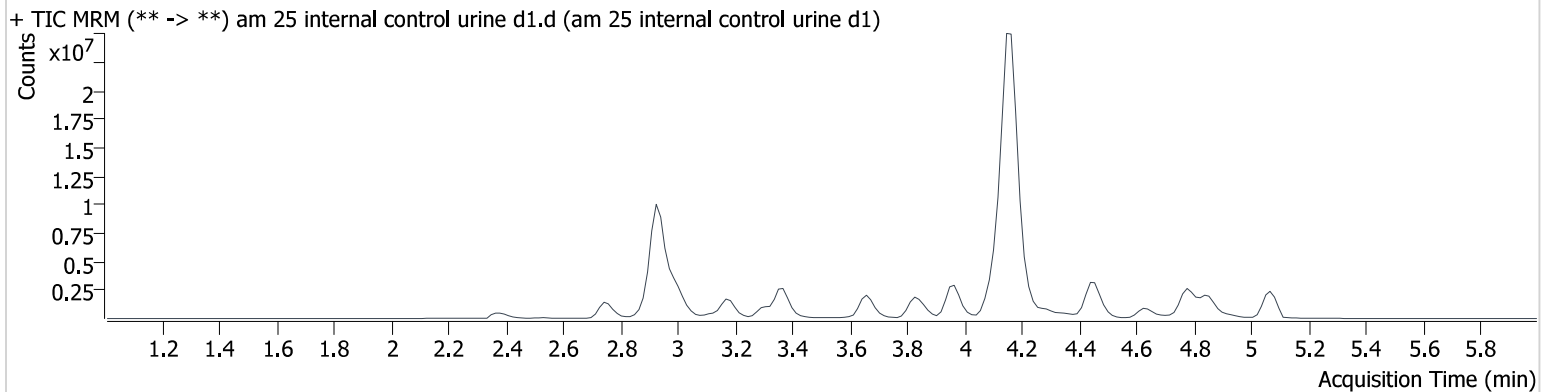
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am25.batch.bin
Calibration Last Update 5/6/2024 8:45:01 AM

Instrument 69679
Type Sample
Acq. Method mds 4324.m
Sample Position P2-D1
Injection Volume 2.5
Acq. Date-Time 5/2/2024 2:07:46 PM
Sample Info.

Data File am 25 internal control urine d1.d
Sample am 25 internal control urine d1
Operator Mikel Buffaloe

Comment
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.782	4653187	1489.7	588.0	2483824	111.295
Amphetamine	2.936	9080575	1752.4	9277.9	2268975	125.233
Codeine	2.742	1566760	1334.0	886.9	2572727	156.585
Diphenhydramine	4.173	34228052	3725.4	1893.8	21345907	135.898
Zolpidem	4.137	24920129	1839.0	3493.5	10037657	111.122

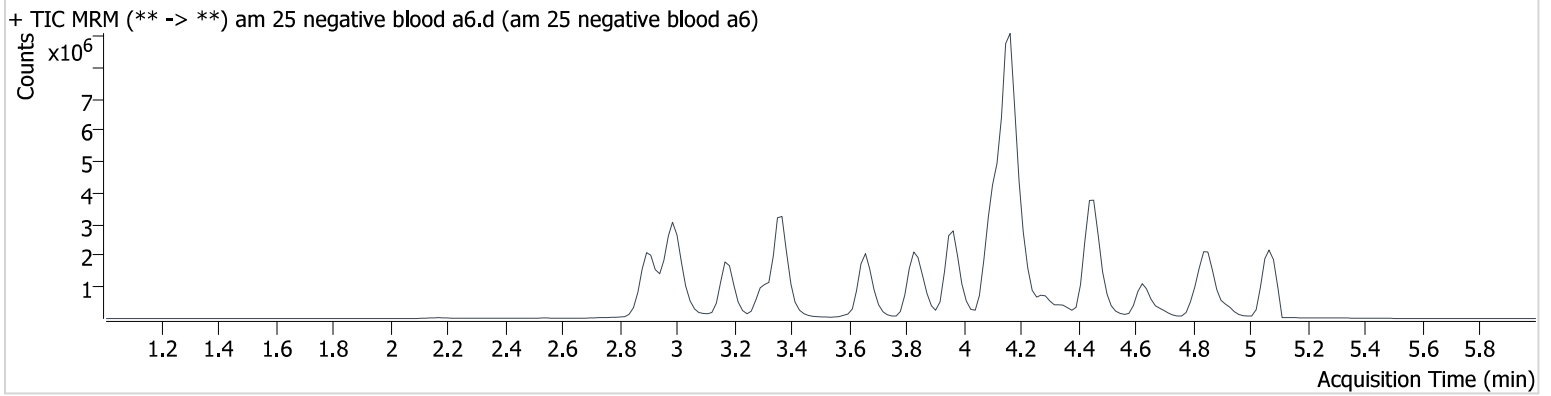
MB

AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am25.batch.bin
Calibration Last Update 5/6/2024 8:45:01 AM

Instrument	69679	Data File	am 25 negative blood a6.d
Type	Sample	Sample	am 25 negative blood a6
Acq. Method	mds 4324.m	Operator	Mikel Buffaloe
Sample Position	P2-A6	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	2.5		
Acq. Date-Time	5/2/2024 2:14:30 PM		
Sample Info.			

Sample Chromatogram



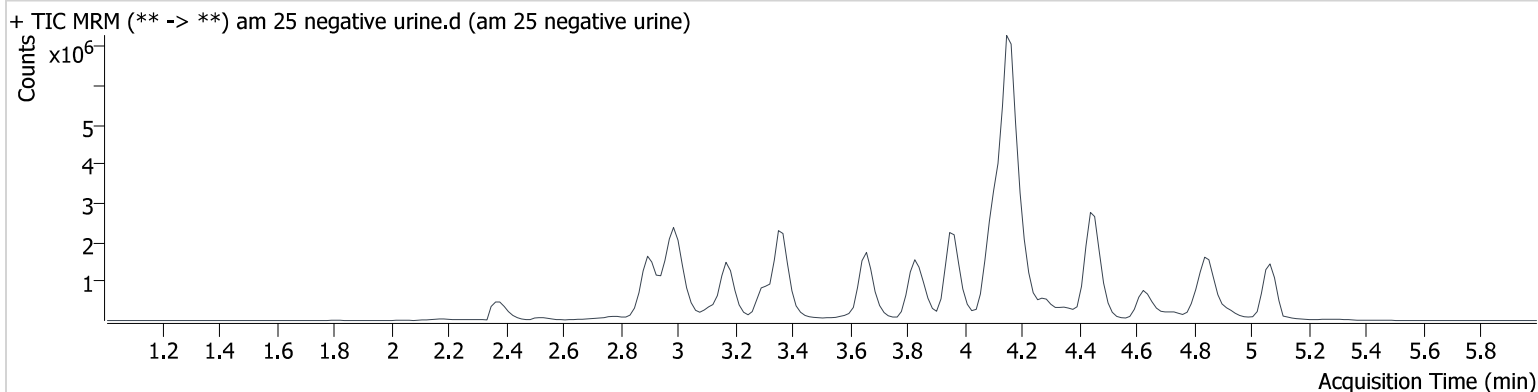
MB

AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am25.batch.bin
Calibration Last Update 5/6/2024 8:45:01 AM

Instrument	69679	Data File	am 25 negative urine.d
Type	Sample	Sample	am 25 negative urine
Acq. Method	mds 4324.m	Operator	Mikel Buffaloe
Sample Position	P2-F6	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	2.5		
Acq. Date-Time	5/2/2024 2:48:12 PM		
Sample Info.			

Sample Chromatogram



MB

AM# 26: Screening of THC and Metabolites in Blood and Urine by LC-MS/MS

Extraction Date: 5/02/24

Plate lot#: 231212

Mobile phase A: 10mM Amm Form in LCMS water

Blank Blood Lot: 24C52042

LCMS-QQQ ID: 69679

Analyst: Mikel Buffaloe

Plate Retest Date: 6/12/2024

Mobile phase B: 0.1% Formic acid in MeOH

Blank Urine Lot: 1324

Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)

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. Urine hydrolysis: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
- 3. Using a calibrated pipette, pipette 1000µL blood or 1000µL hydrolyzed urine in wells of analytical (standards) plate. **Pipette ID: I41142J**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Add **500µL of 0.1% formic acid in water to blood samples,** and **500µL of saturated phosphate buffer to urine samples** in the wells of the analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate. Amount transferred: **800 µL**
- 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)**
- 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.
- 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.
- 2. Make any necessary integration changes, R² values ≥0.98 for each analyte
- 3. RT +/- 2% or 0.100 min, whichever is greater
- 4. Confirmation testing on case samples with a response for THC and OH-THC of 3ng/mL or greater and/or Carboxy-THC at 10ng/mL or greater (analyst discretion between 5-10ng/mL) may be pursued.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

Competency Test

NWB

	1	2	3	4	5	6
a	cal 1	internal control urine	Item 2			
b	cal 2	negative blood	Item 3			
c	cal 3	Item 6	Item 4			
d	cal 4	Item 7	Item 5			
e	cal 5	Item 8				
f	cal 6	Item 9				
g	cal 7	negative urine				
h	Internal control (blood)	Item 1				

Plate position 3

c2024-____-__

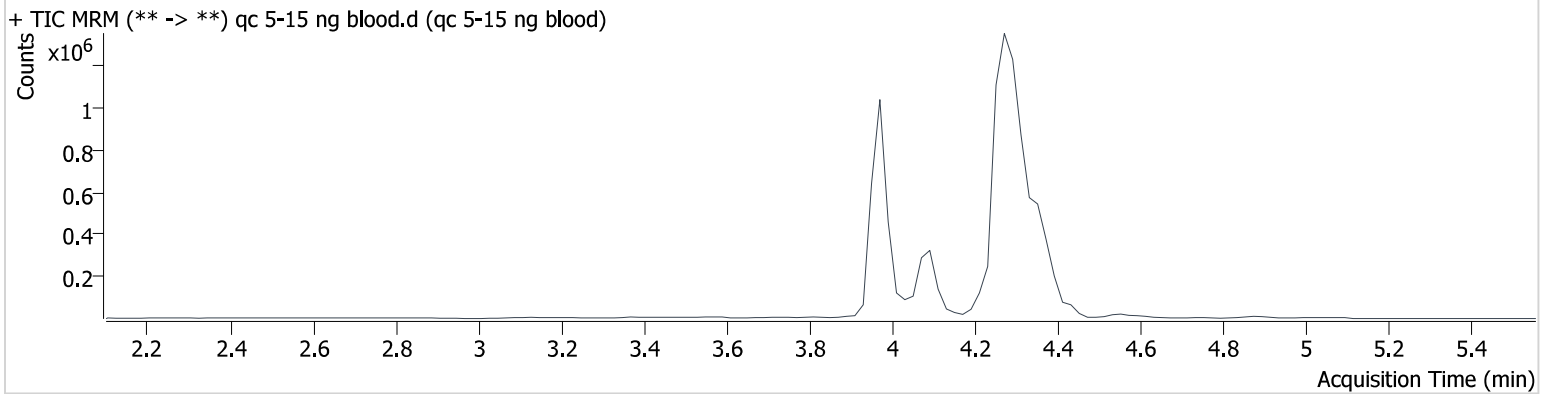
WAB

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument	69679	Data File	qc 5-15 ng blood.d
Type	QC	Sample	qc 5-15 ng blood
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Mikel Buffaloe
Sample Position	P3-H1	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	5/2/2024 4:34:44 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	13971	335636	5.24 ng/ml
THC-COOH	4.093	132650	742410	15.27 ng/ml
THC-OH	3.979	19376	2617732	4.99 ng/ml

MBB

AM #26 Cannabinoids Screen Results

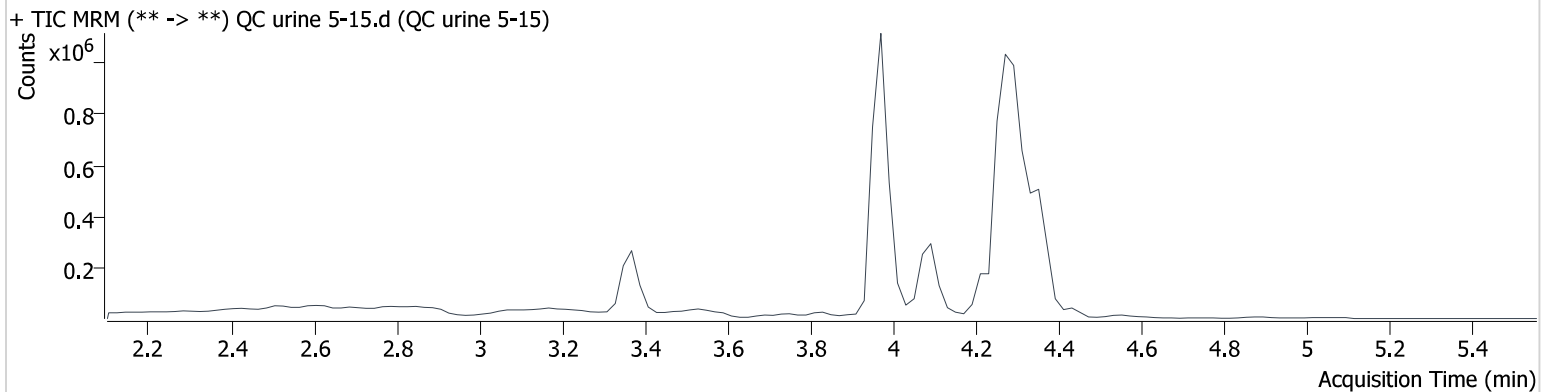
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Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type QC
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-A2
Injection Volume 5
Acq. Date-Time 5/2/2024 4:41:12 PM
Sample Info.

Data File QC urine 5-15.d
Sample QC urine 5-15
Operator Mikel Buffaloe
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	32980	780018	5.32 ng/ml
THC-COOH	4.093	110338	534366	17.79 ng/ml
THC-OH	3.979	21491	2839594	5.10 ng/ml

MB

AM #26 Cannabinoids Screen Results

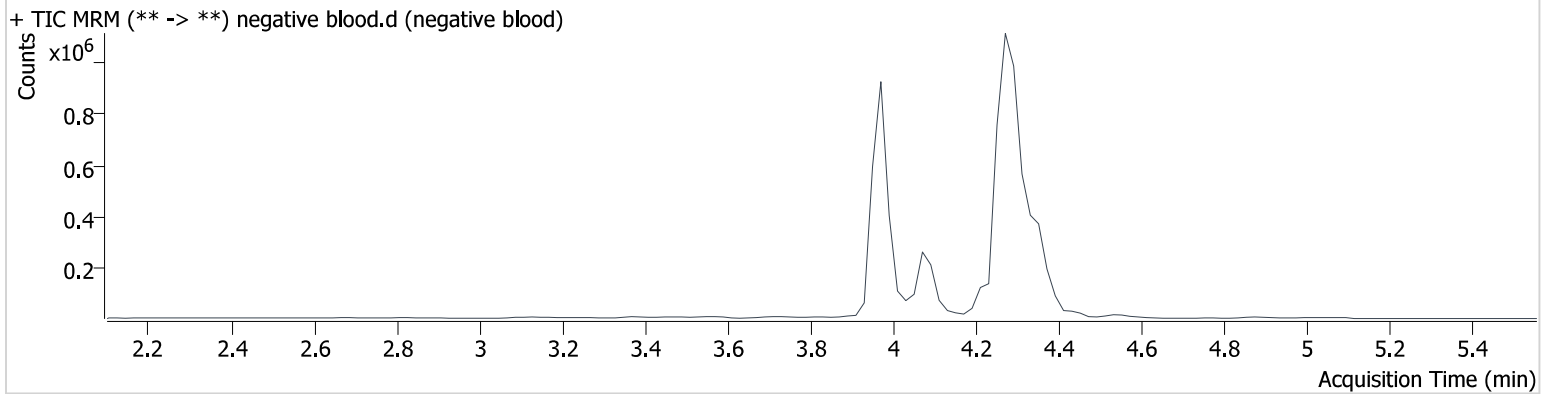
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type Sample
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-B2
Injection Volume 5
Acq. Date-Time 5/2/2024 4:47:40 PM
Sample Info.

Data File negative blood.d
Sample negative blood
Operator Mikel Buffaloe
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



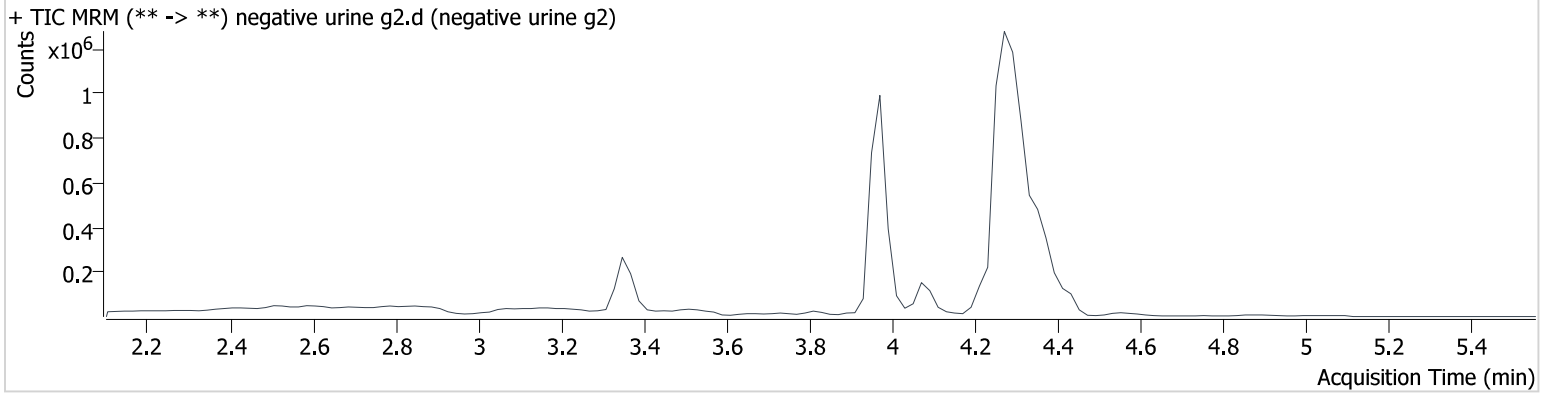
MB

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument	69679	Data File	negative urine g2.d
Type	Sample	Sample	negative urine g2
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Mikel Buffaloe
Sample Position	P3-G2	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	5/2/2024 5:20:00 PM		
Sample Info.			

Sample Chromatogram



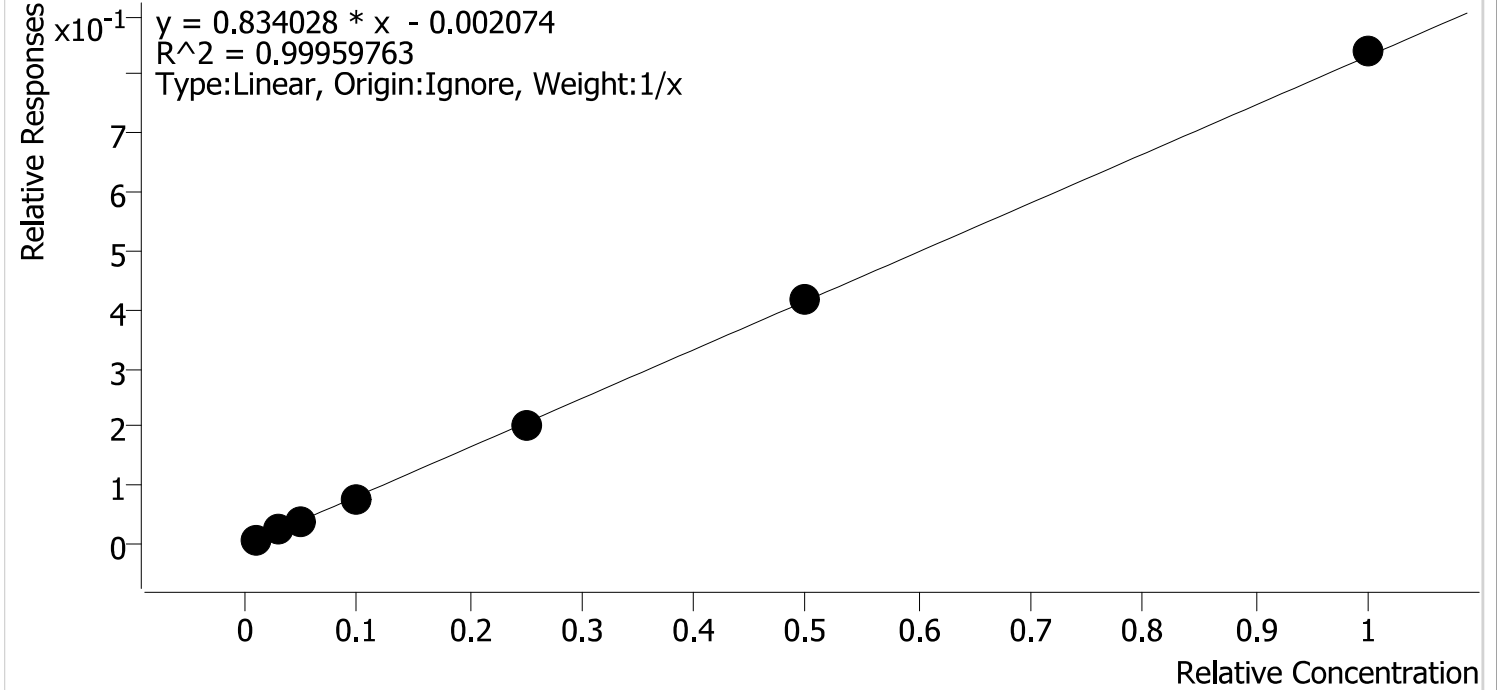
Compound Calibration Report

MAB



Batch results D:\MassHunter\Data\2024\lam 25-26\050224\QuantResults\lam26.batch.bin
Last Cal. Update 5/3/2024 8:17 AM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-d3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	111.6
cal 2	2	✓	3.0	2.9	98.3
cal 3	3	✓	5.0	4.8	95.1
cal 4	4	✓	10.0	9.6	95.8
cal 5	5	✓	25.0	24.4	97.7
cal-6	6	✓	50.0	50.2	100.5
cal-7	7	✓	100.0	100.9	100.9

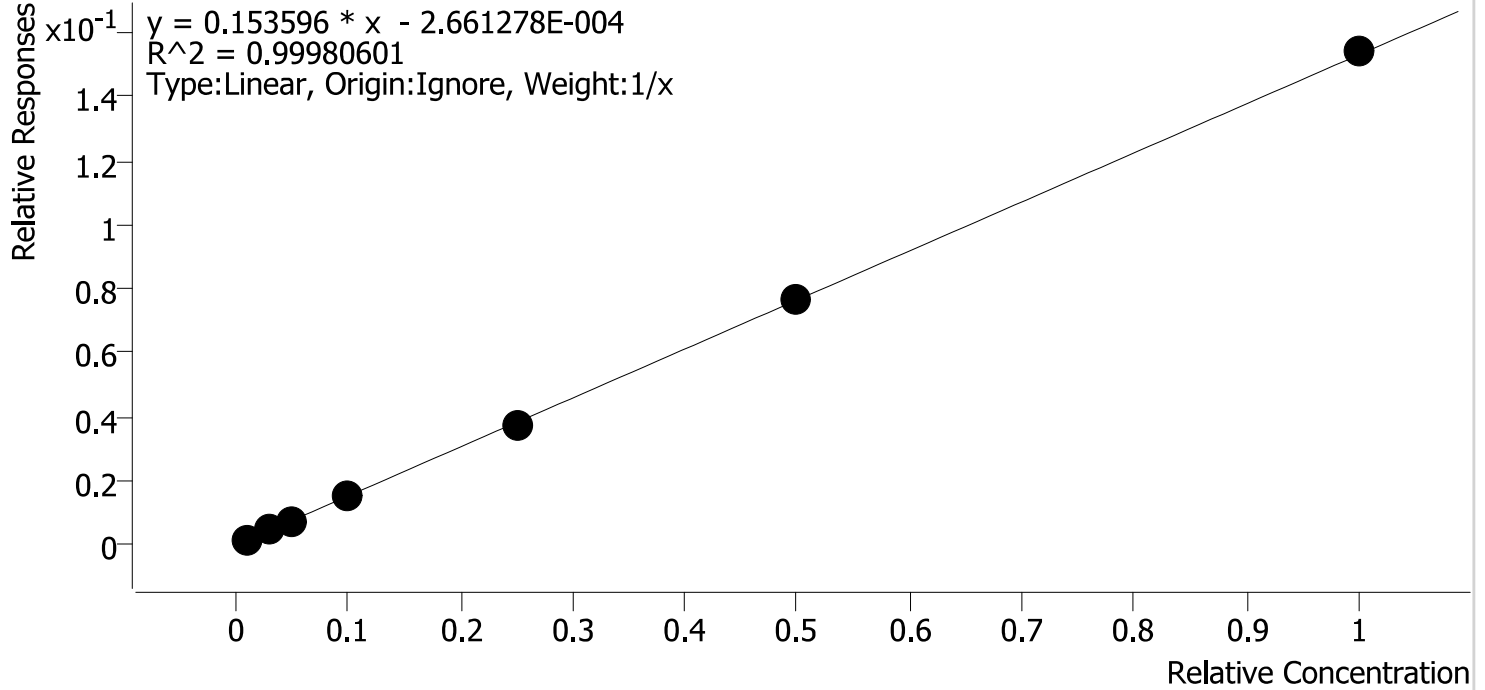
Compound Calibration Report

MWB



Batch results D:\MassHunter\Data\2024\lam 25-26\050224\QuantResults\lam26.batch.bin
Last Cal. Update 5/3/2024 8:17 AM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-d3

THC-OH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	108.1
cal 2	2	✓	3.0	2.9	97.9
cal 3	3	✓	5.0	4.9	97.3
cal 4	4	✓	10.0	9.8	97.6
cal 5	5	✓	25.0	24.5	98.0
cal-6	6	✓	50.0	50.2	100.5
cal-7	7	✓	100.0	100.6	100.6

MBB

AM #26 Cannabinoids Screen Results

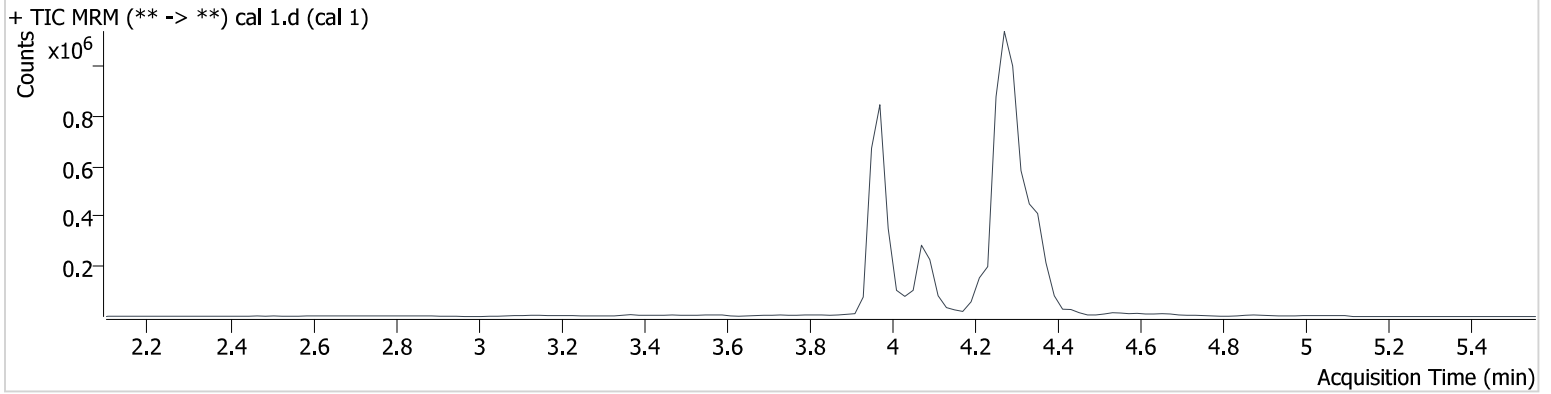
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-A1
Injection Volume 5
Acq. Date-Time 5/2/2024 3:49:16 PM
Sample Info.

Data File cal 1.d
Sample cal 1
Operator Mikel Buffaloe
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	3389	468287	1.12 ng/ml Low
THC-COOH	4.093	52694	802253	5.05 ng/ml Low
THC-OH	3.979	3371	2418021	1.08 ng/ml Low

WEB WEB

AM #26 Cannabinoids Screen Results

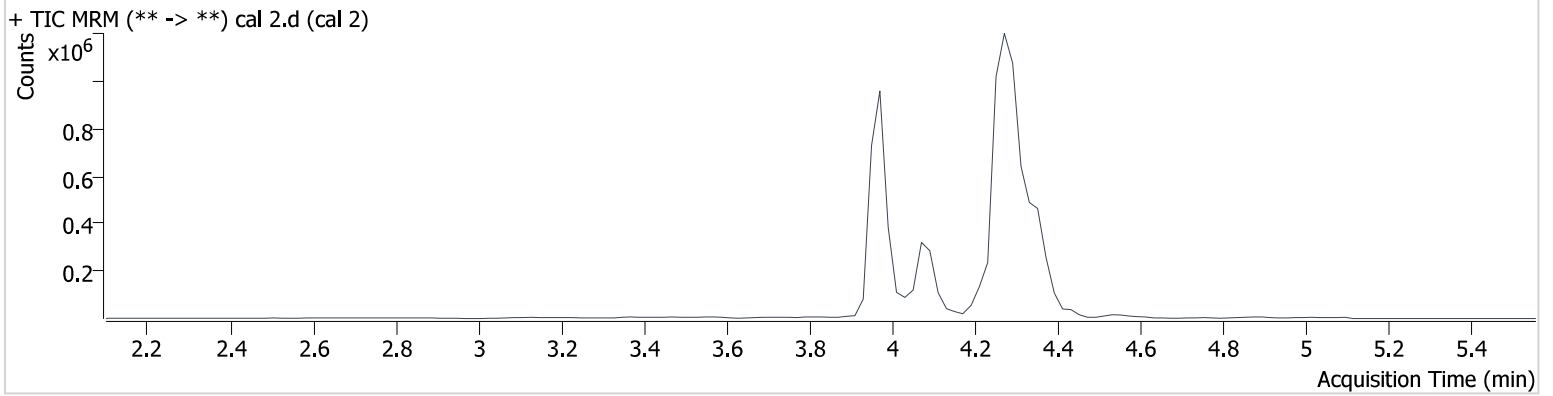
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-B1
Injection Volume 5
Acq. Date-Time 5/2/2024 3:55:54 PM
Sample Info.

Data File cal 2.d
Sample cal 2
Operator Mikel Buffaloe
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	8828	391870	2.95 ng/ml Low
THC-COOH	4.093	100442	820802	10.17 ng/ml
THC-OH	3.979	11074	2609978	2.94 ng/ml Low

MB

AM #26 Cannabinoids Screen Results

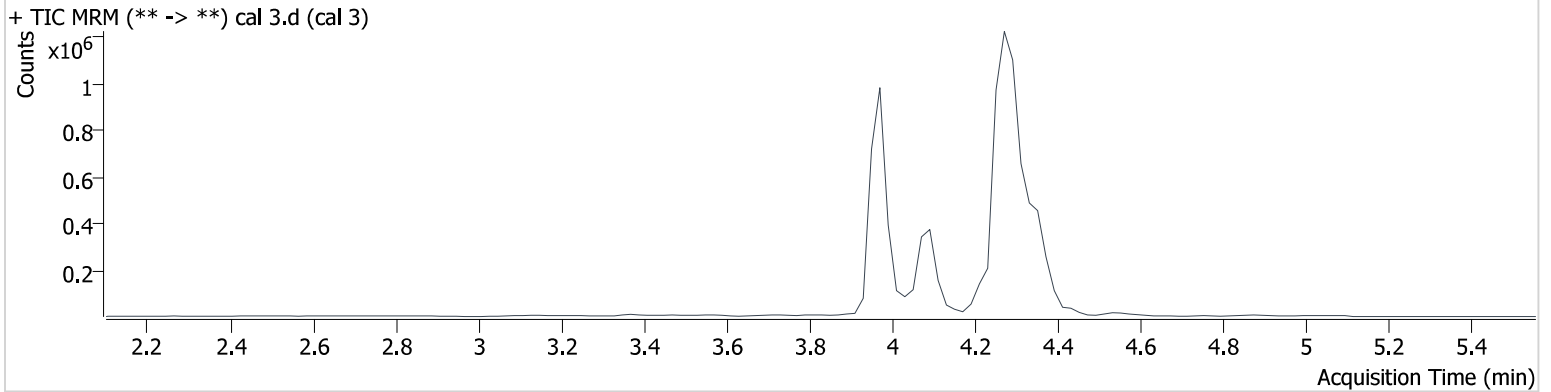
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-C1
Injection Volume 5
Acq. Date-Time 5/2/2024 4:02:22 PM
Sample Info.

Data File cal 3.d
Sample cal 3
Operator Mikel Buffaloe
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	15483	411927	4.76 ng/ml
THC-COOH	4.093	184415	805121	19.83 ng/ml
THC-OH	3.979	18449	2559496	4.87 ng/ml

WEB

AM #26 Cannabinoids Screen Results

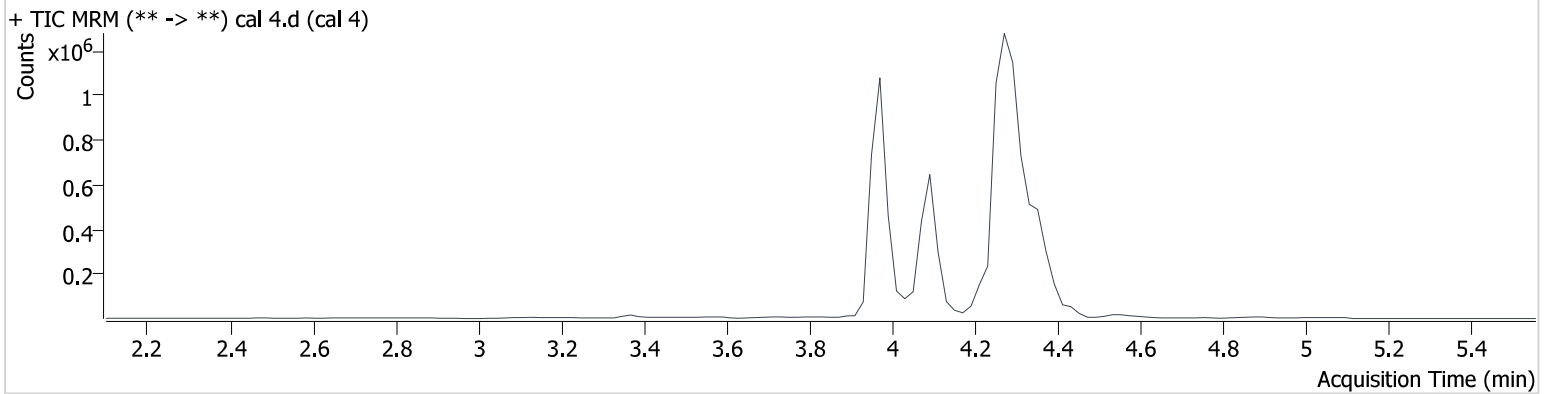
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-D1
Injection Volume 5
Acq. Date-Time 5/2/2024 4:08:50 PM
Sample Info.

Data File cal 4.d
Sample cal 4
Operator Mikel Buffaloe
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	31935	410353	9.58 ng/ml
THC-COOH	4.093	441145	801494	48.91 ng/ml
THC-OH	3.979	38306	2600612	9.76 ng/ml

MBB

AM #26 Cannabinoids Screen Results

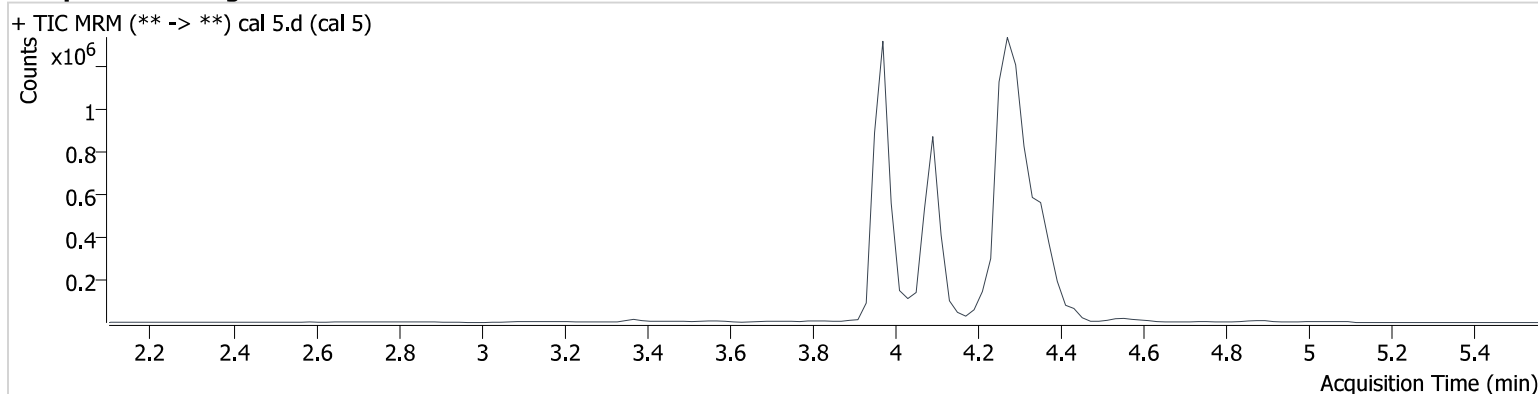
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-E1
Injection Volume 5
Acq. Date-Time 5/2/2024 4:15:19 PM
Sample Info.

Data File cal 5.d
Sample cal 5
Operator Mikel Buffaloe
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	70488	349460	24.43 ng/ml
THC-COOH	4.093	664781	787666	75.47 ng/ml
THC-OH	3.979	99860	2672466	24.50 ng/ml

MBB

AM #26 Cannabinoids Screen Results

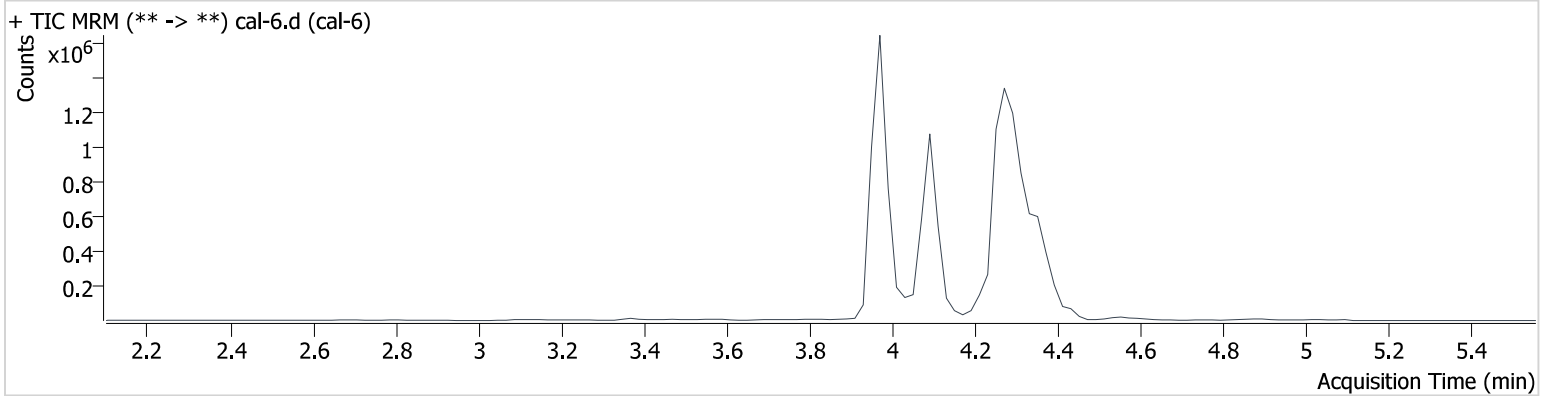
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-F1
Injection Volume 5
Acq. Date-Time 5/2/2024 4:21:48 PM
Sample Info.

Data File cal-6.d
Sample cal-6
Operator Mikel Buffaloe
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	146887	352255	50.25 ng/ml
THC-COOH	4.093	865707	782549	99.21 ng/ml
THC-OH	3.979	200439	2607216	50.23 ng/ml

MB

AM #26 Cannabinoids Screen Results

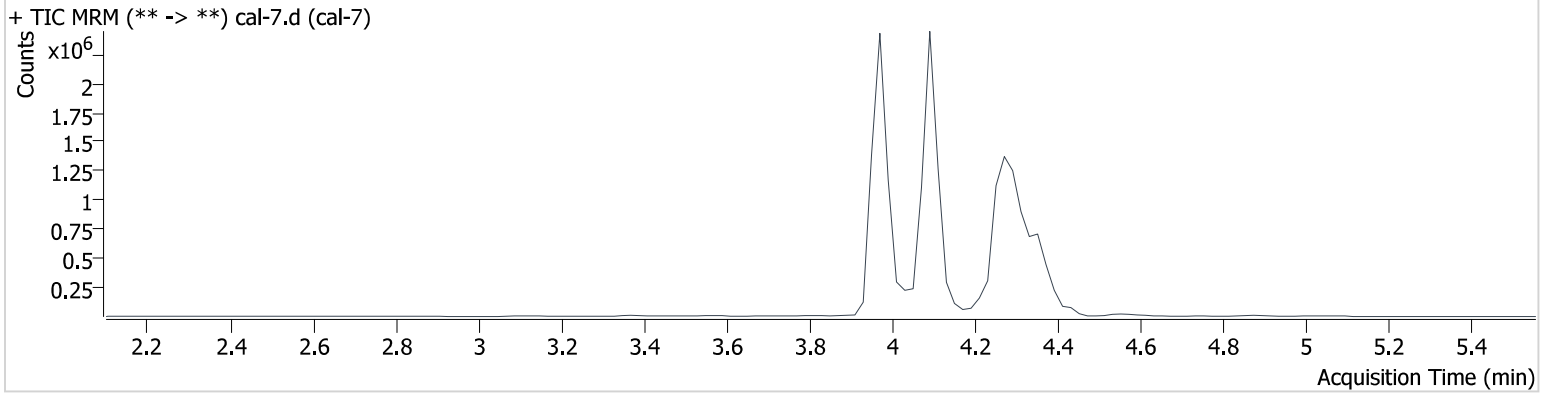
Batch results D:\MassHunter\Data\2024\am 25-26\050224\QuantResults\am26.batch.bin
Calibration Last Update 5/3/2024 8:17:00 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann scr 5-5-20.m
Sample Position P3-G1
Injection Volume 5
Acq. Date-Time 5/2/2024 4:28:16 PM
Sample Info.

Data File cal-7.d
Sample cal-7
Operator Mikel Buffaloe
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	269932	321492	100.92 ng/ml
THC-COOH	4.093	2180068	782030	251.36 ng/ml
THC-OH	3.979	416595	2700016	100.63 ng/ml