









**Worklist: 6362**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-1560	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1612	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1627	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1662	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1663	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1678	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1696	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1714	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1777	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-1781	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1197	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1204	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1205	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1239	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1251	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1253	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1254	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1259	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1260	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1276	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1278	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6362

cg

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-1279	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1283	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1287	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1289	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1289	2	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1289	3	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1299	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1310	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

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

Extraction Date: 05/10/2023

Plate lot#: 230119

**Mobile phase A:** 10mM Amm Form

Instant Buffer I

**Blank Blood Lot:** Lampire 23A52593

**LCMS-QQQ ID:** 069901

Analyst: Celena Shrum

Plate Retest Date: 07/19/2023

**Mobile phase B:** 0.1% Formic Acid in MeOH

Ethyl Acetate LC Methanol

**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. Using a calibrated pipette, pipette **250µL blood** into wells of analytical (standards) plate. **Pipette ID: 16**
- 3. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer **200-450µL of blood+base and** mixture to corresponding wells of SLE+ plate.  
Amount transferred: 300µl
- 6. 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*
- 7. Wait 5 minutes.
- 8. Add **900uL ethyl acetate**.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 11. Add **900uL ethyl acetate**.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 14. Remove plate containing eluate.
- 15. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- 16. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 17. 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:

	1	2	3	4	5	6	7	8	9	10	11	12
A	CAL				NEG Blood	M2023-1714-1	P2023-1253-1	P2023-1287-1				
B					M2023-1560-2	M2023-1777-4	P2023-1254-1	P2023-1289-1				
C					M2023-1612-1	M2023-1781-4	P2023-1259-1	P2023-1289-2				
D					M2023-1627-2	P2023-1197-1	P2023-1260-1	P2023-1289-3				
E					M2023-1662-3	P2023-1204-1	P2023-1276-1	P2023-1299-1				
F					M2023-1663-2	P2023-1205-1	P2023-1278-1	P2023-1310-1				
G					M2023-1678-1	P2023-1239-1	P2023-1279-1					
H					M2023-1696-2	P2023-1251-1	P2023-1283-1					

Samples were moved to columns 1-4 during the SLE portion of the extraction (A5 was moved to A1, E8 was moved to E4, etc.). The cal was moved to G4.

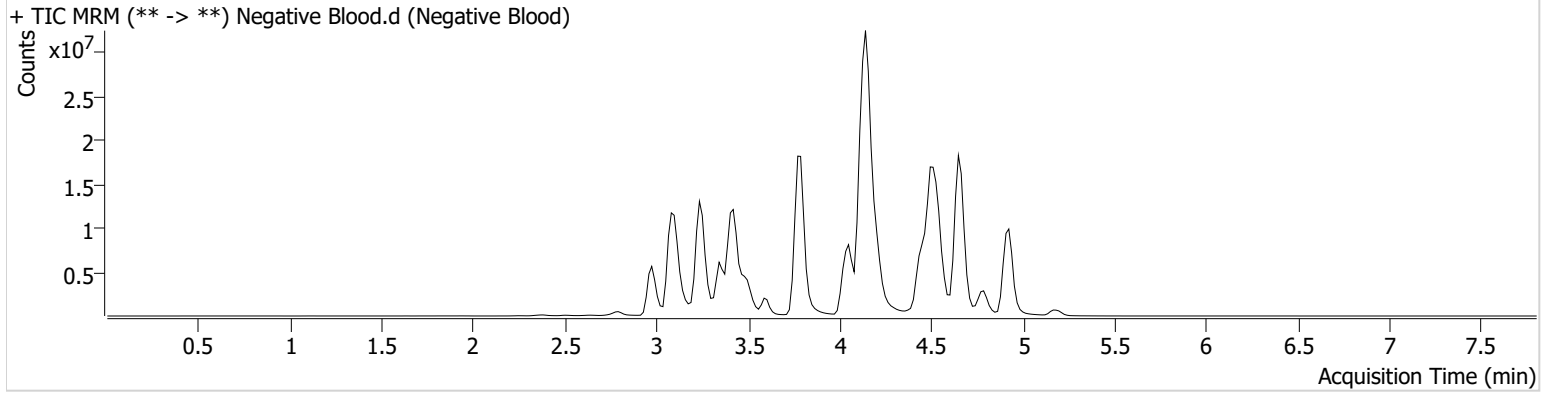
# AM #25 Multi-Drug Screen Results



**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 5/11/2023 10:26:06 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	Negative Blood
<b>Acq. Method</b>	AM 25 MDS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	5/10/2023 9:24:56 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



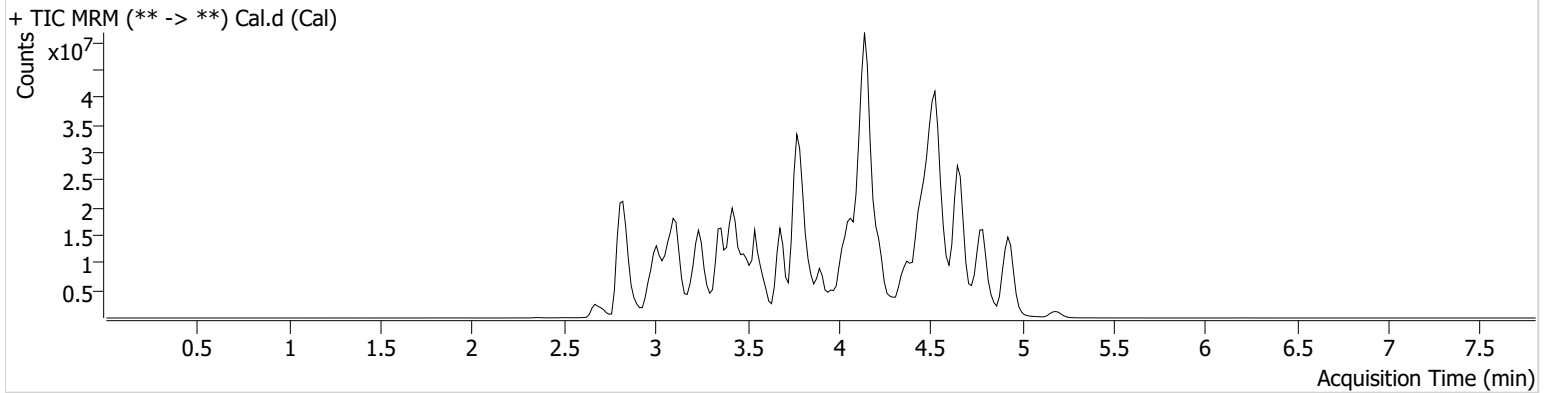
# AM #25 Multi-Drug Screen Results



**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 5/11/2023 10:26:06 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	Cal.d
<b>Type</b>	Cal	<b>Sample</b>	Cal
<b>Acq. Method</b>	AM 25 MDS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-G4	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	5/10/2023 9:16:20 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.779	5191260	177.67	757.85	29539090	10.0000
6-MAM	3.372	104859	3396.08	27279.17	1776319	10.0000
7-aminoclonazepam	3.607	1761457	246.34	223.91	6506532	10.0000
7-aminoflunitrazepam	3.806	2340504	657.37	126.30	6506532	10.0000
9-Hydroxyrisperidone	4.153	12345782	26425.83	102581.50	43640858	10.0000
Acetyl Fentanyl	4.281	872531	780.43	53388.21	44159700	10.0000
Acetyl Norfentanyl	3.013	837726	2823.20	131.87	44159700	10.0000
a-hydroxyalprazolam	4.511	208151	45.37	30.45	6506532	10.0000
alpha-hydroxymidazolam	4.587	3475724	801.61	244.09	6506532	10.0000
Alpha-PHP	4.089	6982950	2638.90	391.36	44159700	10.0000
alpha-PVP	3.858	11083779	5451.92	1315.18	19720308	10.0000
Alprazolam	4.622	2711010	287.78	233.22	21692908	10.0000
Amitriptyline	4.579	3757783	312.25	566.25	15001420	10.0000
Amphetamine	3.016	7298240	568.34	2253.60	19720308	10.0000
Benzoyllecgonine	3.406	446117	235496.87	107.06	544146	10.0000
Brompheniramine	4.158	151921	105.57	1133.59	62528222	10.0000
Buprenorphine	5.193	1150313	1926.93	44951.70	3443957	10.0000
Bupropion	4.089	8488419	35201.72	2460.63	32802461	10.0000
Carbamazepine	4.244	16438571	3141.05	∞	619082	10.0000
Carisoprodol	4.227	1545092	2986.01	77.32	7671658	10.0000
Chlordiazepoxide	4.731	1846371	615.20	2804.35	21692908	10.0000
Chlorpheniramine	4.071	12721083	4018.52	7536.42	20637267	10.0000
Chlorpromazine	4.804	4668742	3655.30	1994.25	19565968	10.0000
Citalopram	4.157	4982182	255.05	1131034.31	62528222	10.0000
Clomipramine	4.790	7157069	16018.99	3033.32	62528222	10.0000
Clonazepam	4.436	1831596	1062.40	375.25	619082	10.0000
Clonazolam	4.371	2318094	1114957.93	583586.04	21692908	10.0000
Clozapine	4.664	10297031	914.59	1124.97	38061332	10.0000
Cocaehtylene	3.958	9908437	4186175.43	6851.68	38350584	10.0000
Cocaine	3.805	10271670	79825.85	4662.00	38350584	10.0000
Codeine	3.375	678900	3232.01	517.41	16545062	10.0000
Cyclobenzaprine	4.472	5298293	387.96	165.38	15001420	10.0000
Desipramine	4.442	11703493	540.48	565.21	15001420	10.0000
Dextromethorphan	4.195	4423344	2593282.48	6946.76	20637267	10.0000

Cal

# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextrophan	3.517	5158501	7685.18	3589.67	20637267	10.0000
Diazepam	4.839	1894477	725.69	3049.42	21692908	10.0000
Dihydrocodeine	3.113	1970314	1548.02	4057.90	16545062	10.0000
Diphenhydramine	4.150	16155414	296236.92	913.13	62528222	10.0000
DMT	3.137	295950	758.03	464.03	20637267	10.0000
Doxepin	4.301	4731723	239.62	9.60	39843140	10.0000
Doxylamine	3.762	20785986	7918.57	88246.40	20637267	10.0000
Duloxetine	4.392	187870	61939.82	14041.64	2244652	10.0000
EDDP	4.147	2053083	250.13	228.04	4145540	10.0000
Estazolam	4.531	8523767	959.68	711.29	21692908	10.0000
Etizolam	4.632	457985	303473.88	947106.29	21692908	10.0000
Fentanyl	4.464	571365	157.62	1521.83	36543108	10.0000
Flualprazolam	4.480	605494	256194.65	430.61	21692908	10.0000
Flunitrazepam	4.560	2256428	1097.44	180.17	21692908	10.0000
Fluorofentanyl	4.509	1042075	1072.59	296.15	36543108	10.0000
Fluoxetine	4.376	6932612	2200796.86	563.85	8351774	10.0000
Flurazepam	4.508	4270699	578684.00	292293.13	21692908	10.0000
Hydrocodone	3.529	2905565	377.43	363.51	16545062	10.0000
Hydromorphone	3.009	1949410	1246.61	19389.65	463617	10.0000
Hydroxyzine	4.738	5446886	847.10	4264.59	38061332	10.0000
Imipramine	4.517	9204252	691.88	1577.24	15001420	10.0000
Ketamine	4.089	6715080	6124.73	339.12	19025387	10.0000
Lamotrigine	3.686	718495	902.53	3600.30	62528222	10.0000
Levamisole	3.475	7268734	15868.58	1252.20	38350584	10.0000
Levetiracetam	2.679	2260503	810.91	1209.92	62528222	10.0000
Lorazepam	4.435	780007	946.52	125.05	21692908	10.0000
Maprotiline	4.580	1905014	43.63	1151.71	15001420	10.0000
MDA	3.122	4098532	922.33	679.00	47938194	10.0000
MDEA	3.351	7619919	6906.72	225.39	47938194	10.0000
MDMA	3.213	9485051	377.16	∞	47938194	10.0000
Meperidine	3.826	5943701	1563.07	2384.02	20637267	10.0000
Meprobamate	3.689	967863	298.25	88.07	7671658	10.0000
Methadone	4.467	13482704	12661.25	405.31	4145540	10.0000
Methamphetamine	3.123	11046965	4963.16	149.51	47938194	10.0000
Methocarbamol	3.595	1134685	10954.01	355.61	4145540	10.0000
Methylphenidate	3.688	20869272	2829.52	19523.46	28844357	10.0000
Metoprolol	3.531	1332696	304.40	385.14	20637267	10.0000
Midazolam	4.772	1057925	256.56	380.83	21692908	10.0000
Mirtazapine	4.526	6266506	103282.80	822.76	20637267	10.0000
Mitragynine	4.492	796024	490130.65	1092925.22	20637267	10.0000
Morphine	2.841	392504	8.49	2020.09	463617	10.0000
Norbuprenorphine	3.953	164859	86510.77	150352.04	3443957	10.0000
Nordiazepam	4.703	1968862	1651.13	649.79	21692908	10.0000
Norfentanyl	3.427	14135375	70516.26	1840.09	44159700	10.0000
Norhydrocodone	3.085	226589	18.89	132.86	463617	10.0000
Norketamine	4.105	1333262	277.45	6684.78	19025387	10.0000
Normeperidine	3.688	15201942	1601.80	811.17	62528222	10.0000
Noroxycodone	3.007	2806985	∞	269.40	19025387	10.0000
Nortriptyline	4.488	2962134	1230853.99	240.59	15001420	10.0000
O-desmethyl-tramadol	3.041	15361072	49264.32	660.95	62528222	10.0000
O-desmethylvenlafaxine	3.362	3207970	10.64	35593.28	16229165	10.0000
Olanzapine	4.159	1837796	169365.56	3352.38	619082	10.0000
Oxazepam	4.516	2367460	244.71	286.32	13441289	10.0000
Oxycodone	3.296	5641788	660.41	341.50	19025387	10.0000
Oxymorphone	2.702	4114313	51.03	46.08	463617	10.0000
Paroxetine	4.418	962146	4626.79	223917.66	8351774	10.0000
Phenazepam	4.632	1773945	925861.40	523.52	21692908	10.0000
Phencyclidine	4.026	12180717	693.17	21731.47	20637267	10.0000
Phentermine	3.261	3081975	865.70	124.89	28844357	10.0000
Phenytion	4.135	1035119	1012.05	735.11	619082	10.0000

Cal



# AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Primidone	3.489	3598676	1061688.90	257.78	619082	10.0000
Promethazine	4.563	14956018	21046.96	4813.91	62528222	10.0000
Pseudoephedrine	2.832	69647585	449.26	43348.08	47938194	10.0000
Quetiapine	4.768	9061917	97964.60	761139.46	48170892	10.0000
Risperidone	4.369	18138505	11567949.56	24763.94	43640858	10.0000
Sertraline	4.653	1799401	1047.39	915.38	8351774	10.0000
Sufentanil	4.860	627132	1407425.68	577.19	44159700	10.0000
Tapentadol	3.551	8421080	13571.66	7901.24	19025387	10.0000
Temazepam	4.669	4720566	909.19	163.30	21692908	10.0000
Topiramate	3.864	55385	28166.45	5230.61	189959	10.0000
Tramadol	3.547	23471474	∞	593.75	62528222	10.0000
Trazodone	4.937	12104483	4513.09	11965.47	39843140	10.0000
Venlafaxine	3.900	18175437	16489.73	1046.79	16229165	10.0000
Zaleplon	4.346	5955366	993.37	1251.21	48170892	10.0000
Zolpidem	4.530	17220849	3958.36	1148.89	48170892	10.0000
Zopiclone	4.507	187586	64775.93	16209.99	858194	10.0000



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

Extraction Date: 05/10/2023

Analyst: Celena Shrum

Plate lot#: 220802

Plate Retest Date: 07/23/2023

**Mobile phase A:** 10mM Amm Form

**Mobile phase B:** 0.1% Formic Acid in MeOH

**Blank Blood Lot:** Lampire 23A52593

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

**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.

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis (if applicable): 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, add **1000µl blood or 1000µl hydrolyzed urine** into the appropriate wells of analytical (standards) plate. **Pipette ID: #42**
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Pipette **500µL 0.1% formic acid in water to blood samples and 500µl of saturated phosphate buffer to urine samples** to the appropriate wells of the analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **800µL of blood+acid mixture or urine+acid** to corresponding wells of SLE+ plate.
- 8. 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
- 9. Wait 5 minutes.
- 10. Add **2.25mL MTBE. (Add in 3 increments of 750uL)**
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 13. Add **2.25mL Hexane. (Add in 3 increments of 750uL)**
- 14. Wait 5 minutes.
- 15. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 16. 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.
- 2. Make any necessary integration changes, R<sup>2</sup> 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:

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2023-1696-2*	P2023-1251-1	P2023-1283-1	
b	cal 3 ng	Blood NC	M2023-1714-1	P2023-1253-1	P2023-1287-1	
c	cal 5 ng	M2023-1560-2	M2023-1777-4	P2023-1254-1	P2023-1289-1	
d	cal 10ng	M2023-1612-1	M2023-1781-4	P2023-1259-1	P2023-1289-2	
e	cal 25 ng	M2023-1627-2	P2023-1197-1	P2023-1260-1	P2023-1289-3	
f	cal 50 ng	M2023-1662-3	P2023-1204-1	P2023-1276-1	P2023-1299-1	
g	cal 100 ng	M2023-1663-2	P2023-1205-1	P2023-1278-1	P2023-1310-1	
h	QC 1	M2023-1678-1	P2023-1239-1	P2023-1279-1	M2023-1696-2	

\*Moved during SLE portion of the extraction

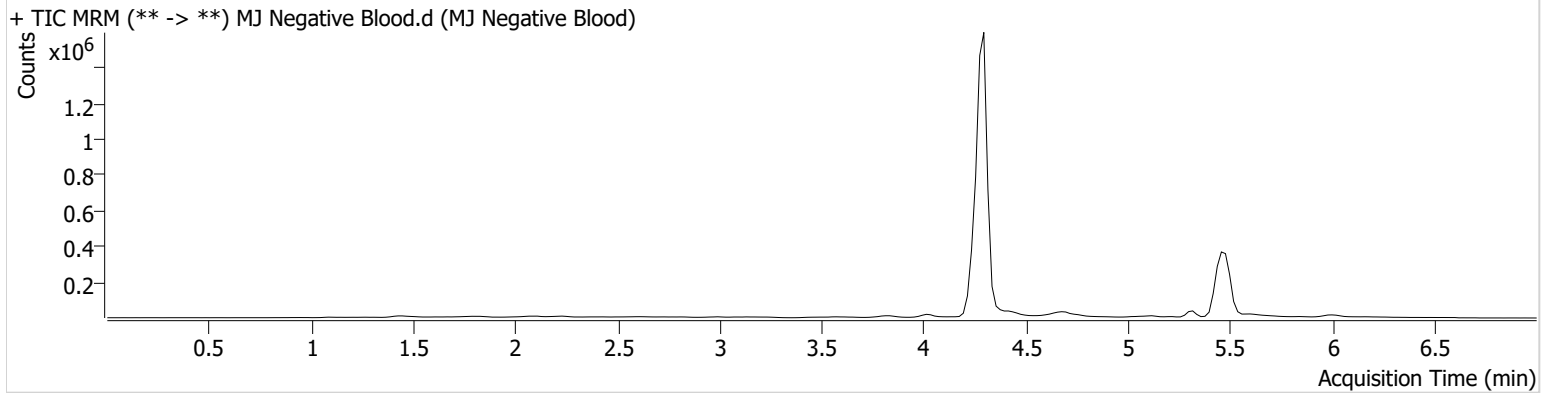
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	MJ Negative Blood
<b>Acq. Method</b>	AM 26 THC.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-B2	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2023 4:54:18 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



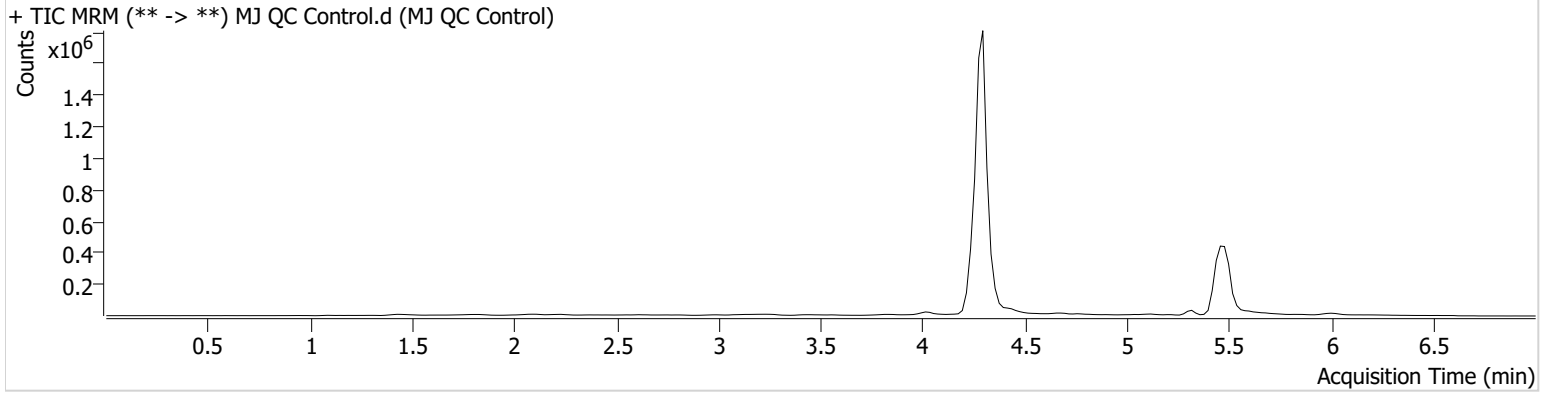


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

**Instrument** Falco (069901) **Data File** MJ QC Control.d  
**Type** QC **Sample** MJ QC Control  
**Acq. Method** AM 26 THC.m **Operator** Celena Shrum  
**Sample Position** P1-H1 **Comment**  
**Injection Volume** 10  
**Acq. Date-Time** 5/10/2023 4:39:08 PM  
**Sample Info.**

### Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.429	2727	85474	5.8945 ng/ml
THC-COOH	4.335	301182	964621	15.0906 ng/ml
THC-OH	4.302	51538	5502811	4.6389 ng/ml

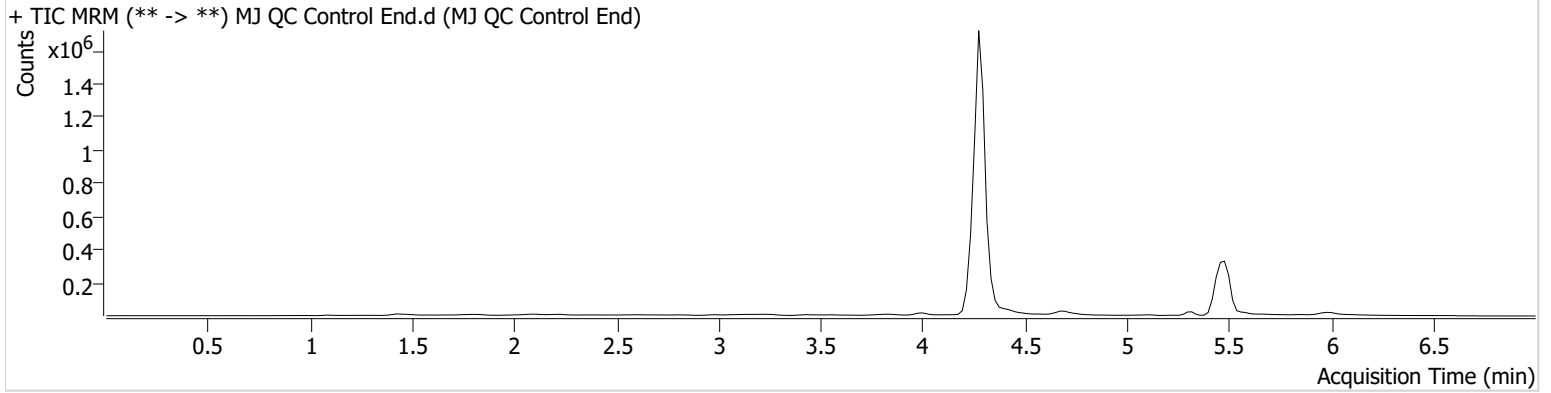


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ QC Control End.d
<b>Type</b>	QC	<b>Sample</b>	MJ QC Control End
<b>Acq. Method</b>	AM 26 THC.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-A2	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2023 8:41:37 PM		

## Sample Chromatogram



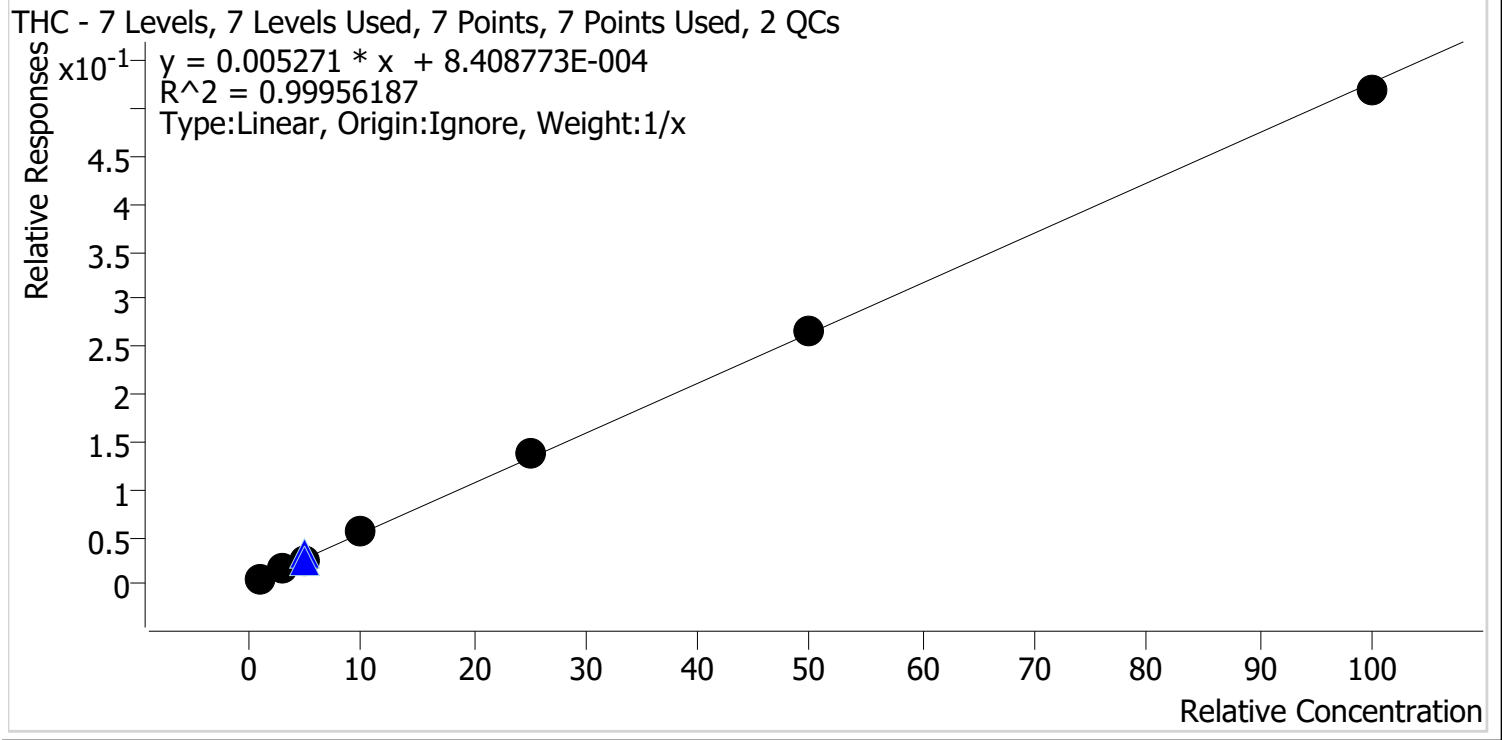
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.449	2978	115903	4.7145 ng/ml
THC-COOH	4.315	250414	869272	13.8507 ng/ml
THC-OH	4.302	45446	4970172	4.5349 ng/ml

cg



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 5/11/2023 7:22 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-D3

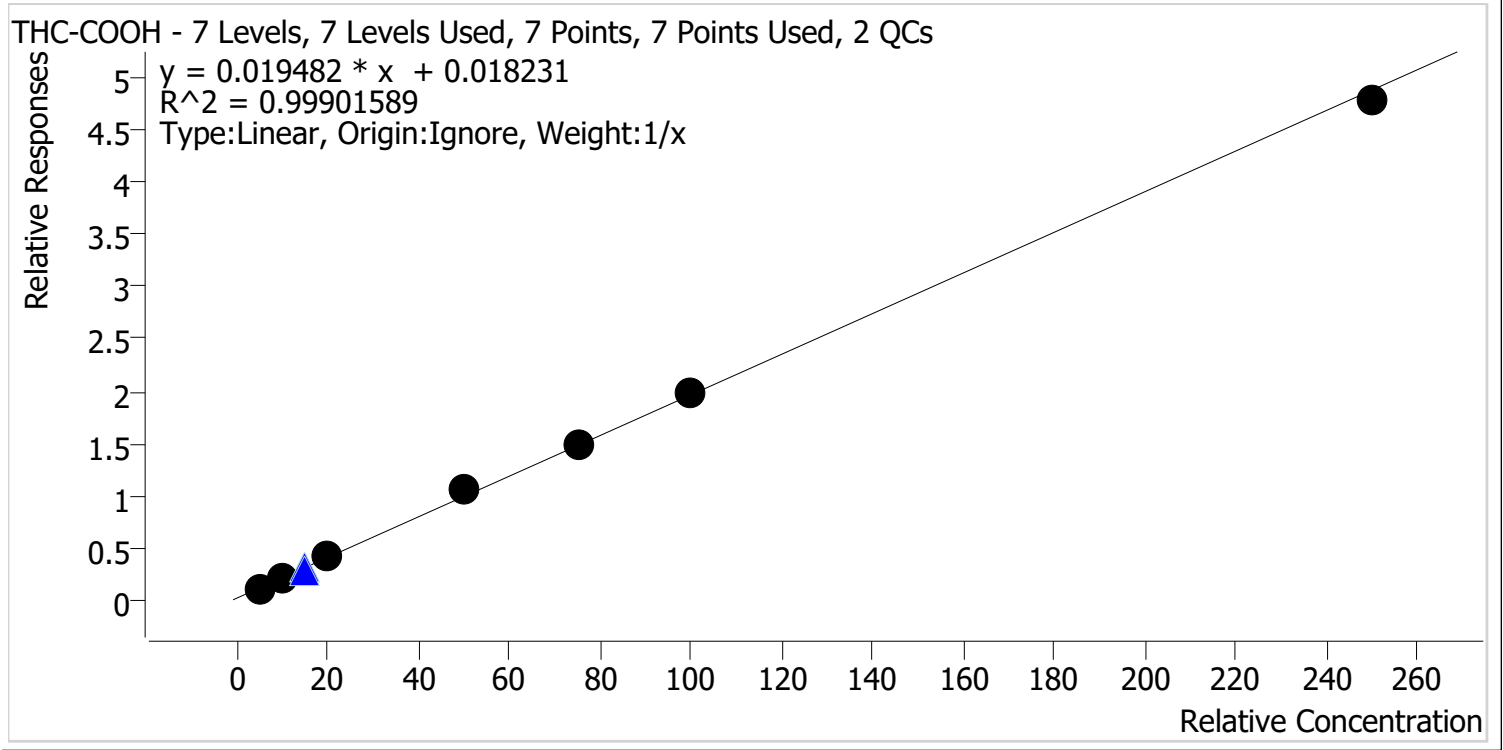


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.0	95.6
MJ Cal 2	2	✓	3.0	3.0	101.0
MJ Cal 3	3	✓	5.0	4.9	97.4
MJ Cal 4	4	✓	10.0	10.3	103.4
MJ Cal 5	5	✓	25.0	25.7	102.7
MJ Cal 6	6	✓	50.0	50.8	101.5
MJ Cal 7	7	✓	100.0	98.4	98.4



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 5/11/2023 7:22 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC-COOH **Internal Standard** THC-COOH-D9

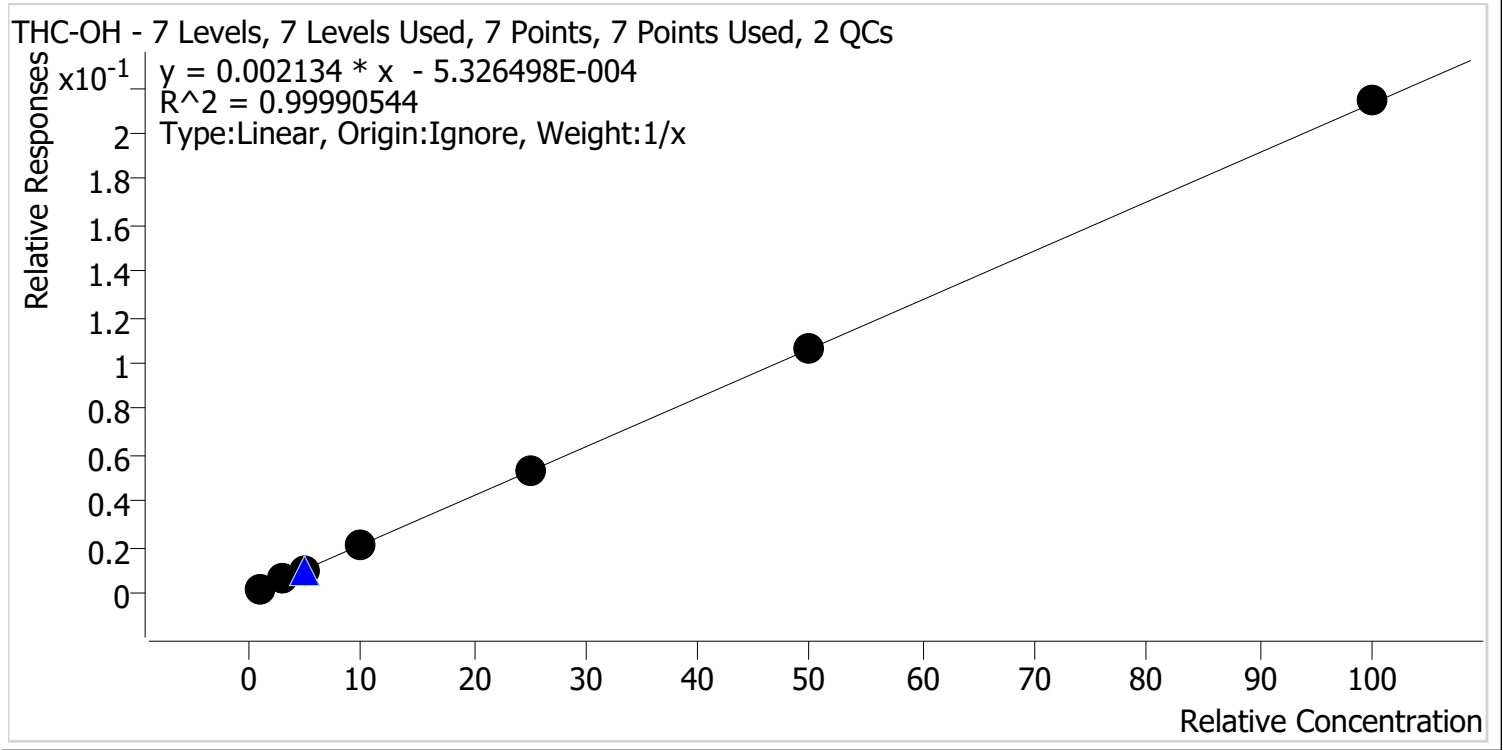


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	4.5	90.5
MJ Cal 2	2	✓	10.0	10.1	100.7
MJ Cal 3	3	✓	20.0	20.5	102.3
MJ Cal 4	4	✓	50.0	53.1	106.2
MJ Cal 5	5	✓	75.0	75.9	101.1
MJ Cal 6	6	✓	100.0	101.2	101.2
MJ Cal 7	7	✓	250.0	244.8	97.9



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 5/11/2023 7:22 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	106.4
MJ Cal 2	2	✓	3.0	2.9	97.7
MJ Cal 3	3	✓	5.0	4.9	97.6
MJ Cal 4	4	✓	10.0	9.9	98.9
MJ Cal 5	5	✓	25.0	24.8	99.1
MJ Cal 6	6	✓	50.0	49.9	99.7
MJ Cal 7	7	✓	100.0	100.6	100.6



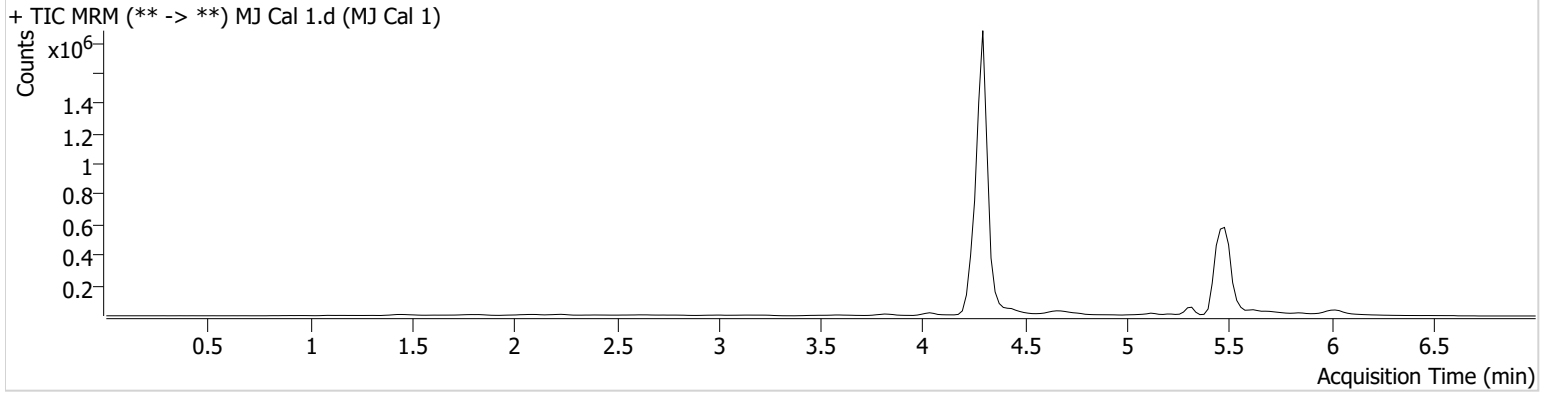
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 1.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 1
<b>Acq. Method</b>	AM 26 THC.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-A1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2023 3:45:57 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.429	918	156207	0.9558 ng/ml	Low
THC-COOH	4.335	124033	1165337	4.5275 ng/ml	Low
THC-OH	4.302	10500	6039986	1.0643 ng/ml	Low

# AM #26 Cannabinoids Screen Results

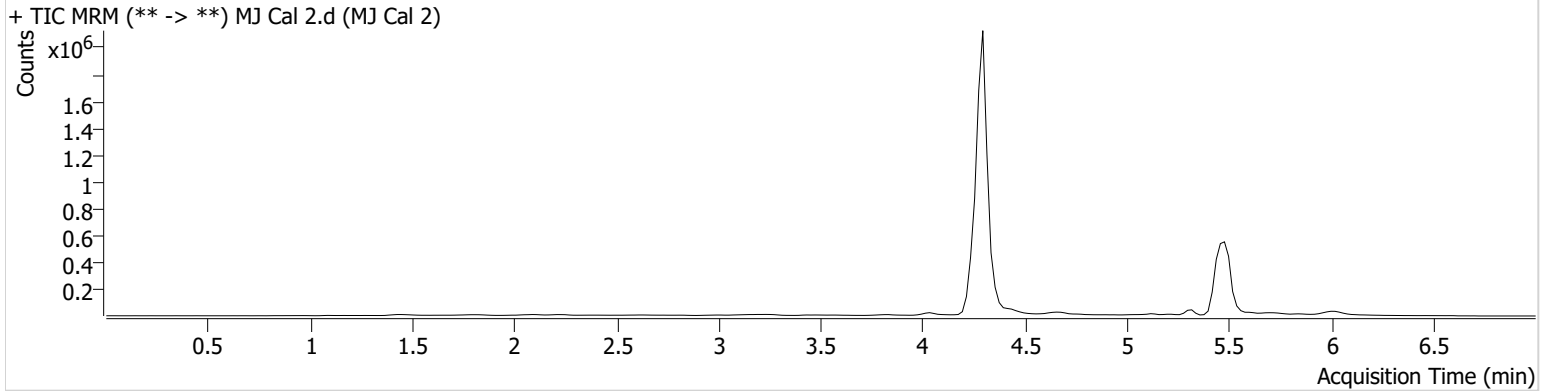


**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 2.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 2
<b>Acq. Method</b>	AM 26 THC.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-B1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2023 3:53:43 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.449	3098	184272	3.0305	ng/ml
THC-COOH	4.335	268581	1252907	10.0674	ng/ml
THC-OH	4.302	37113	6489687	2.9297	ng/ml <b>Low</b>

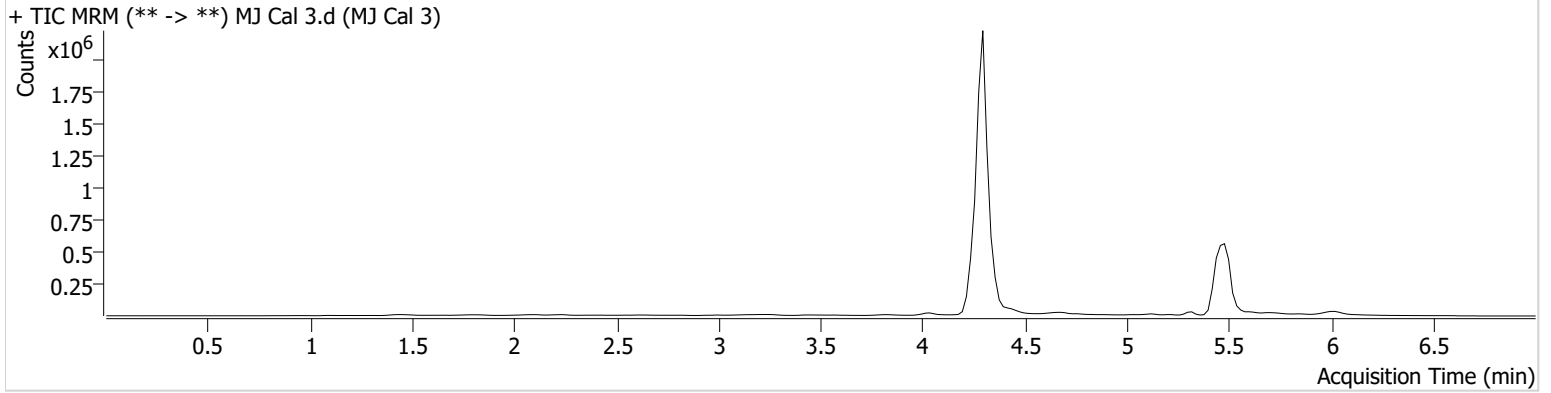
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 3.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 3
<b>Acq. Method</b>	AM 26 THC.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-C1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2023 4:01:17 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.429	4382	165247	4.8712 ng/ml
THC-COOH	4.335	501944	1203891	20.4651 ng/ml
THC-OH	4.302	63247	6403057	4.8788 ng/ml

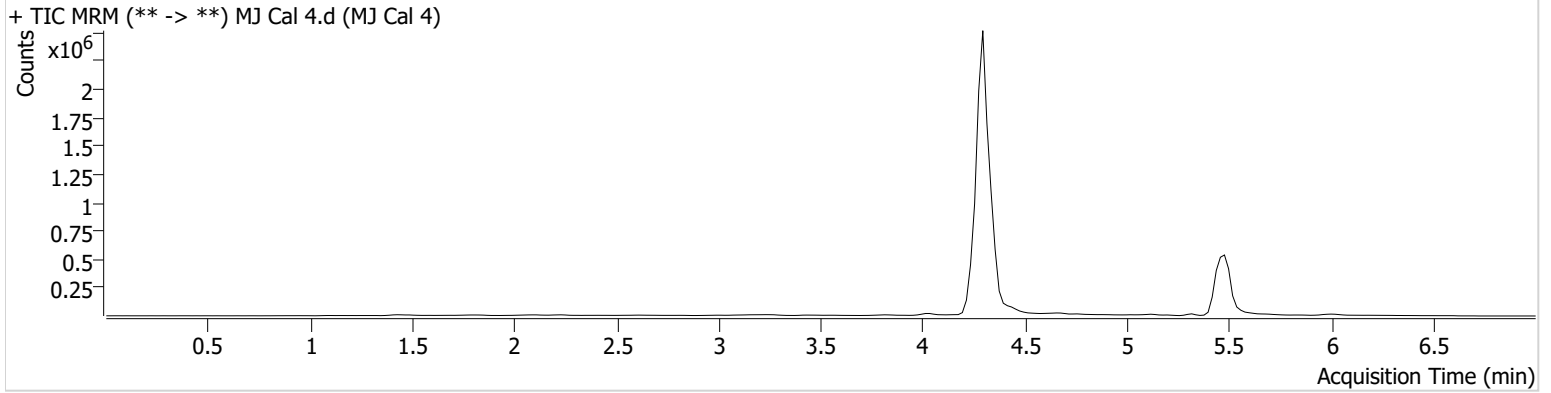


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

**Instrument** Falco (069901) **Data File** MJ Cal 4.d  
**Type** Cal **Sample** MJ Cal 4  
**Acq. Method** AM 26 THC.m **Operator** Celena Shrum  
**Sample Position** P1-D1 **Comment**  
**Injection Volume** 10  
**Acq. Date-Time** 5/10/2023 4:08:53 PM  
**Sample Info.**

### Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.429	9190	166008	10.3434 ng/ml
THC-COOH	4.335	1265619	1202532	53.0861 ng/ml
THC-OH	4.302	130905	6365806	9.8870 ng/ml

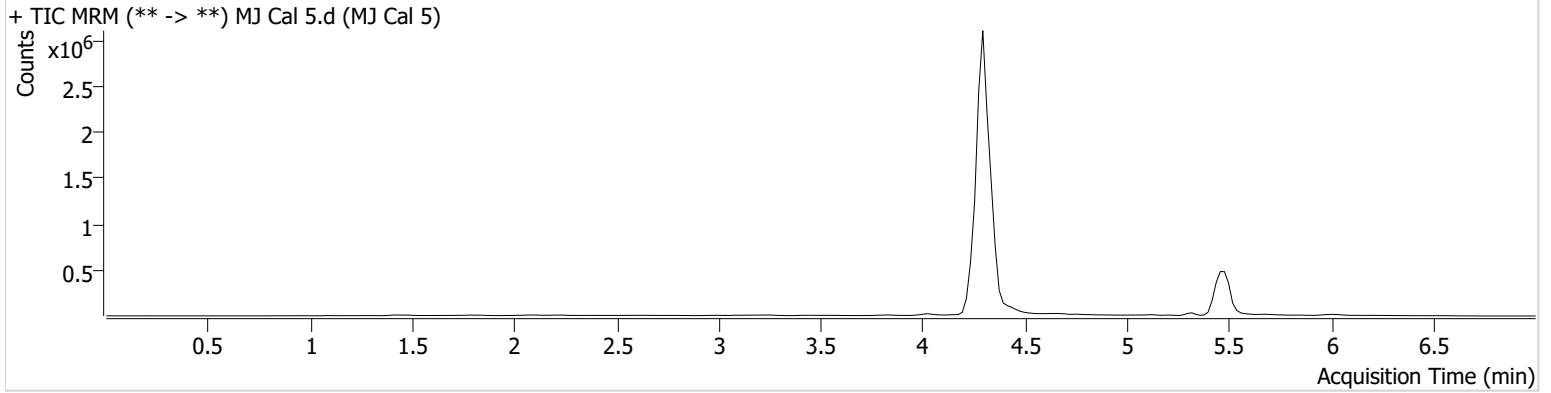
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 5.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 5
<b>Acq. Method</b>	AM 26 THC.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-E1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2023 4:16:26 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.429	21024	154467	25.6636 ng/ml
THC-COOH	4.335	1787135	1194569	75.8550 ng/ml
THC-OH	4.302	340238	6498595	24.7863 ng/ml

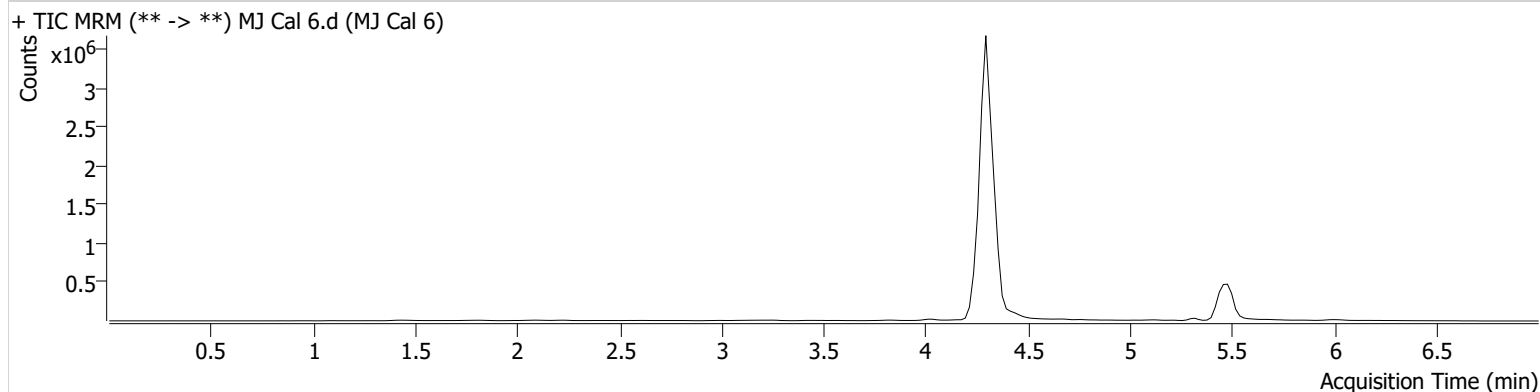
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 6.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 6
<b>Acq. Method</b>	AM 26 THC.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-F1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2023 4:24:00 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.429	37502	139753	50.7520 ng/ml
THC-COOH	4.335	2132994	1071610	101.2325 ng/ml
THC-OH	4.302	630693	5957162	49.8667 ng/ml

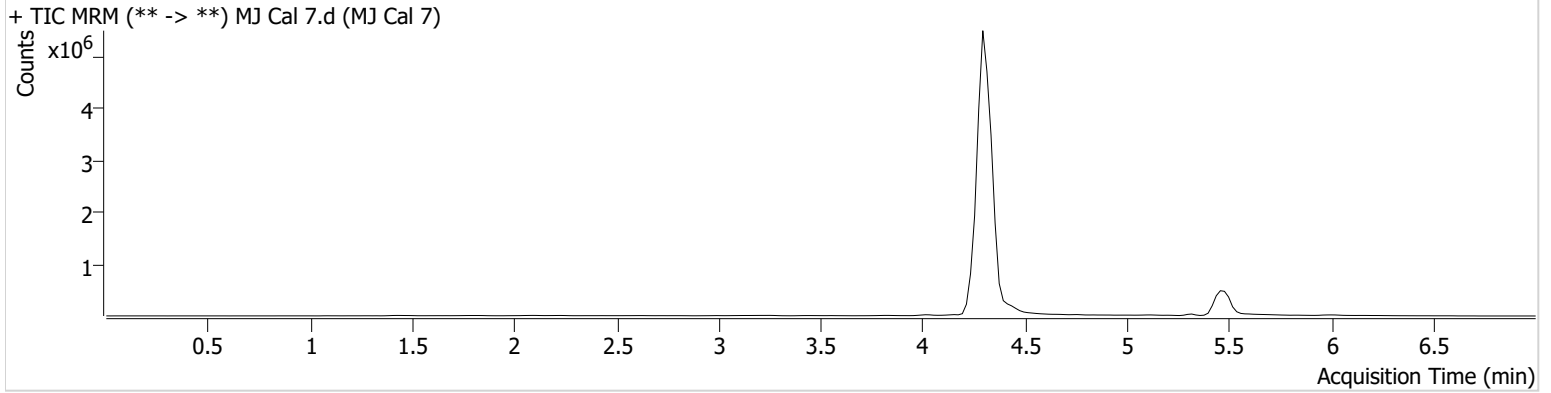


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\AM 25 26\051023 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/11/2023 7:22:23 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 7.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 7
<b>Acq. Method</b>	AM 26 THC.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-G1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2023 4:31:35 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.429	56714	109190	98.3835 ng/ml
THC-COOH	4.335	4675319	976709	244.7664 ng/ml
THC-OH	4.302	1218466	5691185	100.5872 ng/ml