

**REVIEWED**









By Sarah Collins at 2:30 pm, Jan 09, 2024

Worklist: 6639

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4910	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5248	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5287	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5306	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5344	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5362	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5366	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5430	6	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3869	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3878	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3888	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3903	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3916	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3926	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3947	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3948	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3949	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3952	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3957	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3959	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3962	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6639



<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-3963	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3965	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3967	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-4010	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-4014	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-4030	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0007	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0008	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: 01/04/2024

Plate lot#: 230712

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 1/12/2024

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: 250µl
- 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:

8

	1	2	3	4	5	6	7
A	CAL	M2023-5306-1	P2023-3903-1	P2023-3959-1	P2024-0007-1		
B		M2023-5344-1	P2023-3916-1	P2023-3962-2	P2024-0008-1		
C		M2023-5362-2	P2023-3926-1	P2023-3963-1			
D		M2023-5366-1	P2023-3947-3	P2023-3965-1			
E	NEG CTRL	M2023-5430-6	P2023-3948-1	P2023-3967-1			
F	M2023-4910-1	P2023-3869-1	P2023-3949-1	P2023-4010-1			
G	M2023-5248-1	P2023-3878-1	P2023-3952-1	P2023-4014-1			
H	M2023-5287-1	P2023-3888-1	P2023-3957-1	P2023-4030-1			

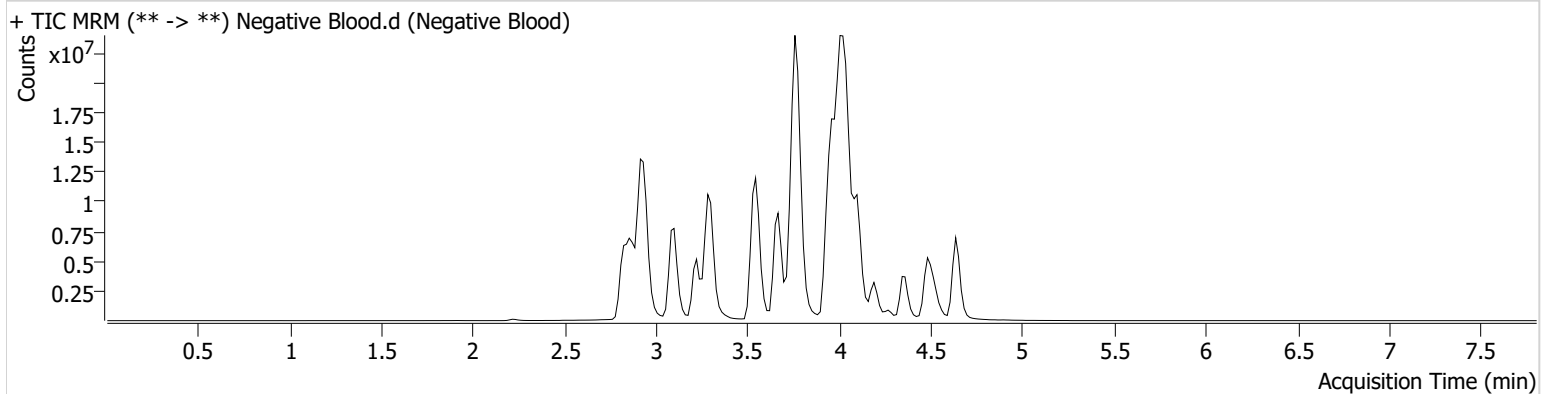
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/5/2024 9:36:18 AM

Instrument	Falco (069901)	Data File	Negative Blood.d
Type	Sample	Sample	Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-E1	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	1/4/2024 5:48:00 PM		
Sample Info.			

Sample Chromatogram





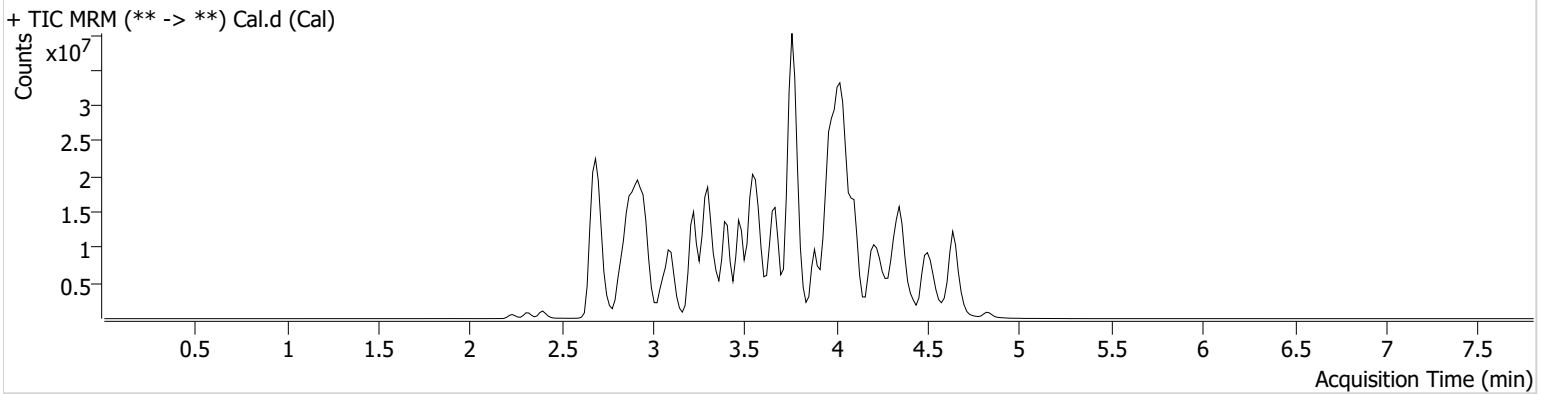
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/5/2024 9:36:18 AM

Instrument Falco (069901) **Data File** Cal.d
Type Cal **Sample** Cal
Acq. Method AM 25 MDS.m **Operator** Celena Shrum
Sample Position P2-A1 **Comment**
Injection Volume 5
Acq. Date-Time 1/4/2024 5:39:25 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	Ratio	S/N	ISTD Resp.	Final Conc.
10-OH-Carbamazepine	3.765	1993956	49.17	107.4	582.77	13183672	10.0000 ng/ml
6-MAM	2.851	61456	49329.92	74.9	43804.40	2136259	10.0000 ng/ml
7-aminoclonazepam	3.561	1127874	138.95	78.9	208.72	5669183	10.0000 ng/ml
7-aminoflunitrazepam	3.777	2224345	382.96	23.7	1307.92	5669183	10.0000 ng/ml
9-Hydroxyrisperidone	3.769	9172261	5125.93	2.6	89672.65	36575955	10.0000 ng/ml
Acetyl Fentanyl	3.712	516999	1642.59	77.4	349.23	36752072	10.0000 ng/ml
Acetyl Norfentanyl	2.875	589929	2778.49	34.1	7915.82	36752072	10.0000 ng/ml
a-hydroxyalprazolam	4.498	248195	328.63	46.0	80188.55	5669183	10.0000 ng/ml
alpha-hydroxymidazolam	4.496	2619810	859.38	58.7	63759.31	5669183	10.0000 ng/ml
Alpha-PHP	3.750	6180158	3354.06	35.8	5490.40	36752072	10.0000 ng/ml
alpha-PVP	3.489	10708578	924.50	45.1	485.94	18169095	10.0000 ng/ml
Alprazolam	4.608	3343558	615.58	90.5	378.94	23520115	10.0000 ng/ml
Amitriptyline	4.350	2753927	389.02	68.4	254.85	8882888	10.0000 ng/ml
Amphetamine	2.864	4611974	7283.47	230.3	5839.84	18169095	10.0000 ng/ml
Benzoylcegonine	3.392	131174	31362.69	25.8	14182.50	583309	10.0000 ng/ml
Bromazolam	4.680	1344700	3543.01	136.1	23073.90	23520115	10.0000 ng/ml
Brompheniramine	3.974	176692	84590.36	856.0	677853.14	51142935	10.0000 ng/ml
Buprenorphine	4.015	72404	28633.26	19.5	7955.91	3595304	10.0000 ng/ml
Bupropion	3.673	7788722	1339.16	61.4	1226.54	29400791	10.0000 ng/ml
Carbamazepine	4.214	12267147	168.28	93.2	3161.10	142821	10.0000 ng/ml
Carisoprodol	4.197	1196923	744.14	64.7	84.99	7780782	10.0000 ng/ml
Chlordiazepoxide	4.594	760455	1072.50	157.7	1377.79	23520115	10.0000 ng/ml
Chlorpheniramine	3.885	11639978	68164.03	0.2	123.67	19845849	10.0000 ng/ml
Chlorpromazine	4.530	1617352	1057910.47	121.7	1492.23	6574401	10.0000 ng/ml
Citalopram	4.005	4345268	623.97	33.8	848.20	51142935	10.0000 ng/ml
Clomipramine	4.546	1709540	35909.06	85.1	12847.32	51142935	10.0000 ng/ml
Clonazepam	4.422	1080909	667.37	30.3	689336.00	142821	10.0000 ng/ml
Clonazolam	4.357	1442248	431131.89	36.0	229623.08	23520115	10.0000 ng/ml
Clozapine	4.097	5823523	2964.24	78.3	2109.09	25664352	10.0000 ng/ml
Cocaethylene	3.743	6415008	4335250.80	49.0	22558.90	36407099	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaine	3.544	7752912	986880.02	20.5	31055.95	36407099	10.0000 ng/ml
Codeine	2.733	549232	6192.23	128.5	4891.68	11709990	10.0000 ng/ml
Cyclobenzaprine	4.288	4032831	11166.72	9.2	181.79	8882888	10.0000 ng/ml
Desipramine	4.320	6602816	1183.26	44.4	1368.51	8882888	10.0000 ng/ml
Dextromethorphan	4.025	3474195	53089.76	78.8	603.24	19845849	10.0000 ng/ml
Dextrorphan	3.348	4506015	2221475.36	54.4	1434.38	19845849	10.0000 ng/ml
Diazepam	4.826	1448805	746.46	88.5	476.00	23520115	10.0000 ng/ml
Dihydrocodeine	2.717	1575015	1032.36	61.6	1460.84	11709990	10.0000 ng/ml
Diphenhydramine	3.979	16630547	5047.71	28.1	567.56	51142935	10.0000 ng/ml
DMT	2.953	566730	1395.55	134.9	3550.87	19845849	10.0000 ng/ml
Doxepin	4.086	3234936	730.84	46.5	98.15	29151551	10.0000 ng/ml
Doxylamine	3.578	13734546	21461.67	91.5	704.98	19845849	10.0000 ng/ml
Duloxetine	4.271	96052	38027.68	872.2	16957.06	1031928	10.0000 ng/ml
EDDP	4.055	1080301	274.70	48.9	7737.59	5668087	10.0000 ng/ml
Etazolam	4.517	2633349	611.70	51.2	1017.05	23520115	10.0000 ng/ml
Etizolam	4.635	428923	254192.57	335.1	439448.58	23520115	10.0000 ng/ml
Fentanyl	3.942	369974	214.87	70.6	500.93	26763567	10.0000 ng/ml
Flualprazolam	4.482	1180769	508044.64	130.8	804124.67	23520115	10.0000 ng/ml
Flunitrazepam	4.546	622995	230.68	38.9	52322.80	23520115	10.0000 ng/ml
Fluorofentanyl	3.971	631231	83178.86	82.6	540.49	26763567	10.0000 ng/ml
Fluoxetine	4.269	2849743	1054868.95	6.9	125.38	3566476	10.0000 ng/ml
Flurazepam	4.063	4558862	1365.00	21.8	1317.98	23520115	10.0000 ng/ml
Hydrocodone	2.916	1751717	899.24	38.2	1249.20	11709990	10.0000 ng/ml
Hydromorphone	2.399	1709870	661.12	77.4	4616.95	368208	10.0000 ng/ml
Hydroxyzine	4.372	3839081	1148.24	82.7	14518.18	25664352	10.0000 ng/ml
Imipramine	4.318	8642384	2885.97	64.4	2225.85	8882888	10.0000 ng/ml
Ketamine	3.319	5697577	5280.53	34.3	74.24	17874047	10.0000 ng/ml
Lamotrigine	3.456	539680	3736.01	76.2	48972.73	51142935	10.0000 ng/ml
Levamisole	2.891	4569022	209260.01	85.2	1111.90	36407099	10.0000 ng/ml
Levetiracetam	2.649	2146372	1289.77	56.8	1150.63	51142935	10.0000 ng/ml
Lorazepam	4.422	403336	1307.28	261.3	167.00	23520115	10.0000 ng/ml
Maprotiline	4.350	1888908	320.53	75.5	1088489.35	8882888	10.0000 ng/ml
MDA	2.984	3198317	989.54	40.7	1459.32	40557449	10.0000 ng/ml
MDEA	3.213	7423512	619.82	50.1	685.65	40557449	10.0000 ng/ml
MDMA	3.060	9030410	856.58	49.5	914.50	40557449	10.0000 ng/ml
Meperidine	3.549	3792012	1394.02	58.9	935.31	19845849	10.0000 ng/ml
Meprobamate	3.659	534197	679991.41	21.7	515.26	7780782	10.0000 ng/ml
Methadone	4.346	10503571	773.08	45.7	497.04	5668087	10.0000 ng/ml
Methamphetamine	2.970	10201793	740.77	38.3	20603.54	40557449	10.0000 ng/ml
Methocarbamol	3.565	224711	59.49	80.5	54.65	5668087	10.0000 ng/ml
Methylphenidate	3.473	19387818	704.94	22.2	187.14	24602218	10.0000 ng/ml
Metoprolol	3.409	1340350	378.63	101.1	525.86	19845849	10.0000 ng/ml
Midazolam	4.405	1029012	3760.29	82.9	3895.91	23520115	10.0000 ng/ml
Mirtazapine	3.640	4659029	2267.37	208.4	44542.23	19845849	10.0000 ng/ml
Mitragynine	4.078	837413	435322.62	223.1	1055324.56	19845849	10.0000 ng/ml
Morphine	2.233	404839	∞	84.9	1761.62	368208	10.0000 ng/ml
Norbuprenorphine	3.770	85713	79727.67	99.8	47318.57	3595304	10.0000 ng/ml
Nordiazepam	4.674	1788468	2602.27	56.9	433.58	23520115	10.0000 ng/ml
Norfentanyl	3.304	9818260	10251.12	36.8	893.80	36752072	10.0000 ng/ml
Norhydrocodone	2.902	219460	140.02	47.9	1549.52	368208	10.0000 ng/ml
Norketamine	3.289	917140	719.41	483.9	2386.79	17874047	10.0000 ng/ml
Norperidine	3.566	3146506	765.36	74.4	6557.98	51142935	10.0000 ng/ml
Noroxycodone	2.870	1400328	∞	26.8	276.47	17874047	10.0000 ng/ml
Nortriptyline	4.351	1705720	1183.93	68.6	650.21	8882888	10.0000 ng/ml
O-desmethyl-tramadol	2.888	13172593	1622.44	5.6	144.76	51142935	10.0000 ng/ml
O-desmethylvenlafaxine	3.224	2712827	433.35	675.0	34752.13	15855496	10.0000 ng/ml
Olanzapine	3.251	1879496	601613.29	40.5	185.53	142821	10.0000 ng/ml
Oxazepam	4.487	1456479	509.22	71.2	212.42	11662171	10.0000 ng/ml
Oxycodone	2.883	3911082	1107.31	27.7	1760.61	17874047	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxymorphone	2.305	1645338	97.27	44.8	375.73	368208	10.0000 ng/ml
Paroxetine	4.282	408998	170.16	50.8	1566.07	3566476	10.0000 ng/ml
Phenazepam	4.619	2202792	1199.09	64.7	280381.51	23520115	10.0000 ng/ml
Phencyclidine	3.889	9476662	765.96	62.6	∞	19845849	10.0000 ng/ml
Phentermine	3.124	1936933	122.15	6.5	56.80	24602218	10.0000 ng/ml
Phenytoin	4.120	362970	137.46	77.5	120.55	142821	10.0000 ng/ml
Primidone	3.475	613536	310169.44	84.9	86.55	142821	10.0000 ng/ml
Promethazine	4.240	10743230	1901.53	30.2	1701.21	51142935	10.0000 ng/ml
Pseudoephedrine	2.694	64614123	2581.24	42.6	3312.90	40557449	10.0000 ng/ml
Quetiapine	4.187	6830052	2917.15	50.1	8563.36	42326124	10.0000 ng/ml
Risperidone	3.955	8926763	37062.64	12.1	2751.89	36575955	10.0000 ng/ml
Sertraline	4.485	671249	130670.38	107.4	1581.32	3566476	10.0000 ng/ml
Sufentanil	4.186	270291	49421.54	82.1	783.17	36752072	10.0000 ng/ml
Tapentadol	3.413	8456839	∞	34.4	710.85	17874047	10.0000 ng/ml
Temazepam	4.656	4583120	1186.65	27.8	433.65	23520115	10.0000 ng/ml
Topiramate	3.834	41184	13383.74	24.6	4261.64	139658	10.0000 ng/ml
Tramadol	3.394	27083965	∞	1.7	106.81	51142935	10.0000 ng/ml
Trazodone	4.017	5814465	1124073.36	78.0	1835.53	29151551	10.0000 ng/ml
Venlafaxine	3.762	8425205	1433.43	30.6	5077.32	15855496	10.0000 ng/ml
Xylazine	3.351	3447657	94152.12	43.7	17.20	17874047	10.0000 ng/ml
Zaleplon	4.332	1494791	76812.81	71.0	796.00	42326124	10.0000 ng/ml
Zolpidem	3.760	11027041	5485317.83	26.3	171468.62	42326124	10.0000 ng/ml
Zopiclone	3.694	367827	322910.93	60.8	68055.83	1845007	10.0000 ng/ml

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

Extraction Date: 01/04/2023

Plate lot#: 231212

Mobile phase A: 10mM Amm Form

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 06/12/2024

Mobile phase B: 0.1% Formic Acid in MeOH

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. 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^2 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: THC-COOH Curve range 10-250

8

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2023-5366-1	P2023-3947-3	P2023-3965-1	
b	cal 3 ng	NEG CTRL	M2023-5430-6	P2023-3948-1	P2023-3967-1	
c	cal 5 ng	M2023-4910-1	P2023-3869-1	P2023-3949-1	P2023-4010-1	
d	cal 10ng	M2023-5248-1	P2023-3878-1	P2023-3952-1	P2023-4014-1	
e	cal 25 ng	M2023-5287-1	P2023-3888-1	P2023-3957-1	P2023-4030-1	
f	cal 50 ng	M2023-5306-1	P2023-3903-1	P2023-3959-1	P2024-0007-1	
g	cal 100 ng	M2023-5344-1	P2023-3916-1	P2023-3962-2	P2024-0008-1	
h	QC 1	M2023-5362-2	P2023-3926-1	P2023-3963-1		

AM #26 Cannabinoids Screen Results



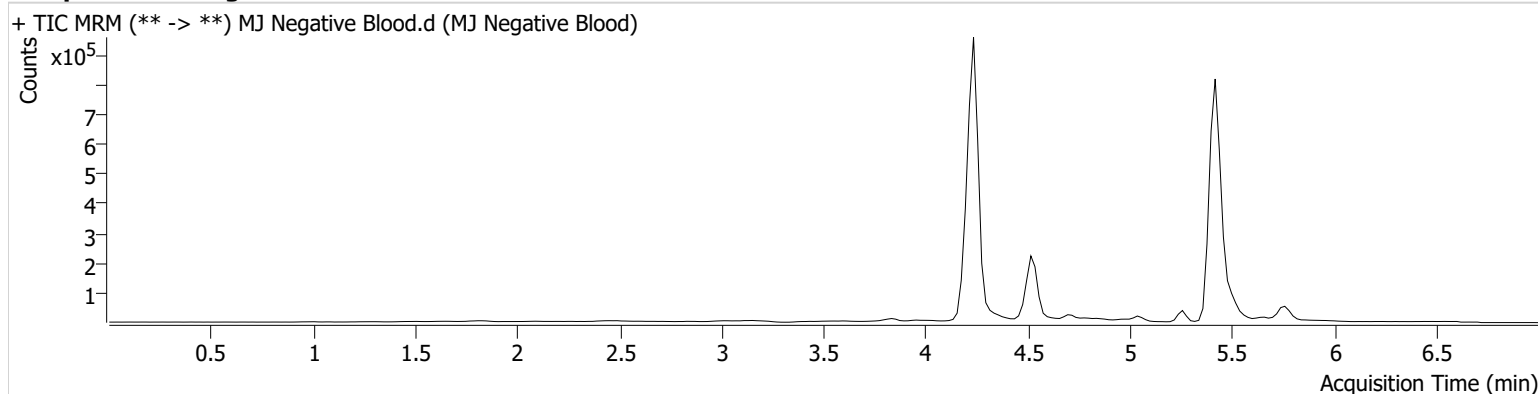
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 1/4/2024 1:17:54 PM
Sample Info.

Data File MJ Negative Blood.d
Sample MJ Negative Blood
Operator Celena Shrum
Comment

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Sample Chromatogram





AM #26 Cannabinoids Screen Results

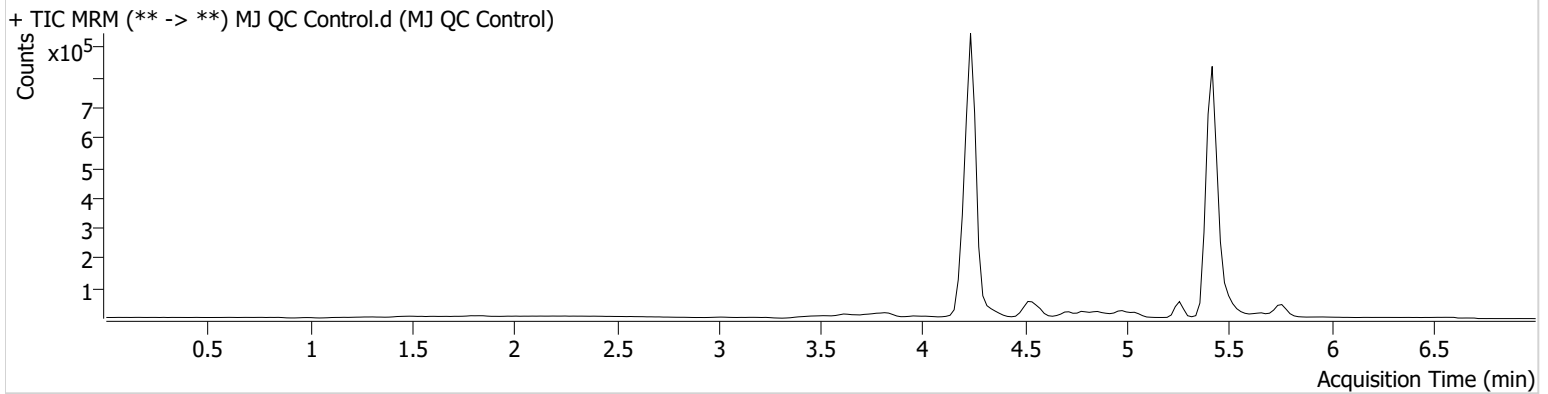
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 1/4/2024 1:02:43 PM
Sample Info.

Data File MJ QC Control.d
Sample MJ QC Control
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	6093	∞	164.8	∞	138484	6.0371 ng/ml
THC-COOH	4.556	44278	∞	151.2	∞	194077	22.0166 ng/ml
THC-OH	4.242	36132	∞	807.3	∞	3419786	5.0882 ng/ml



AM #26 Cannabinoids Screen Results

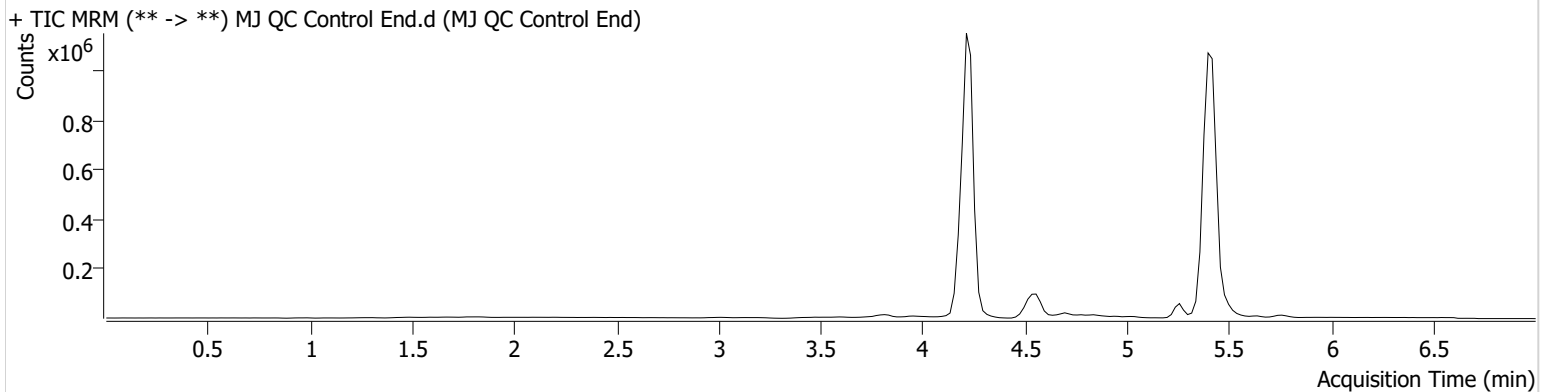
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 1/4/2024 5:05:01 PM
Sample Info.

Data File MJ QC Control End.d
Sample MJ QC Control End
Operator Celena Shrum
Comment

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Sample Chromatogram

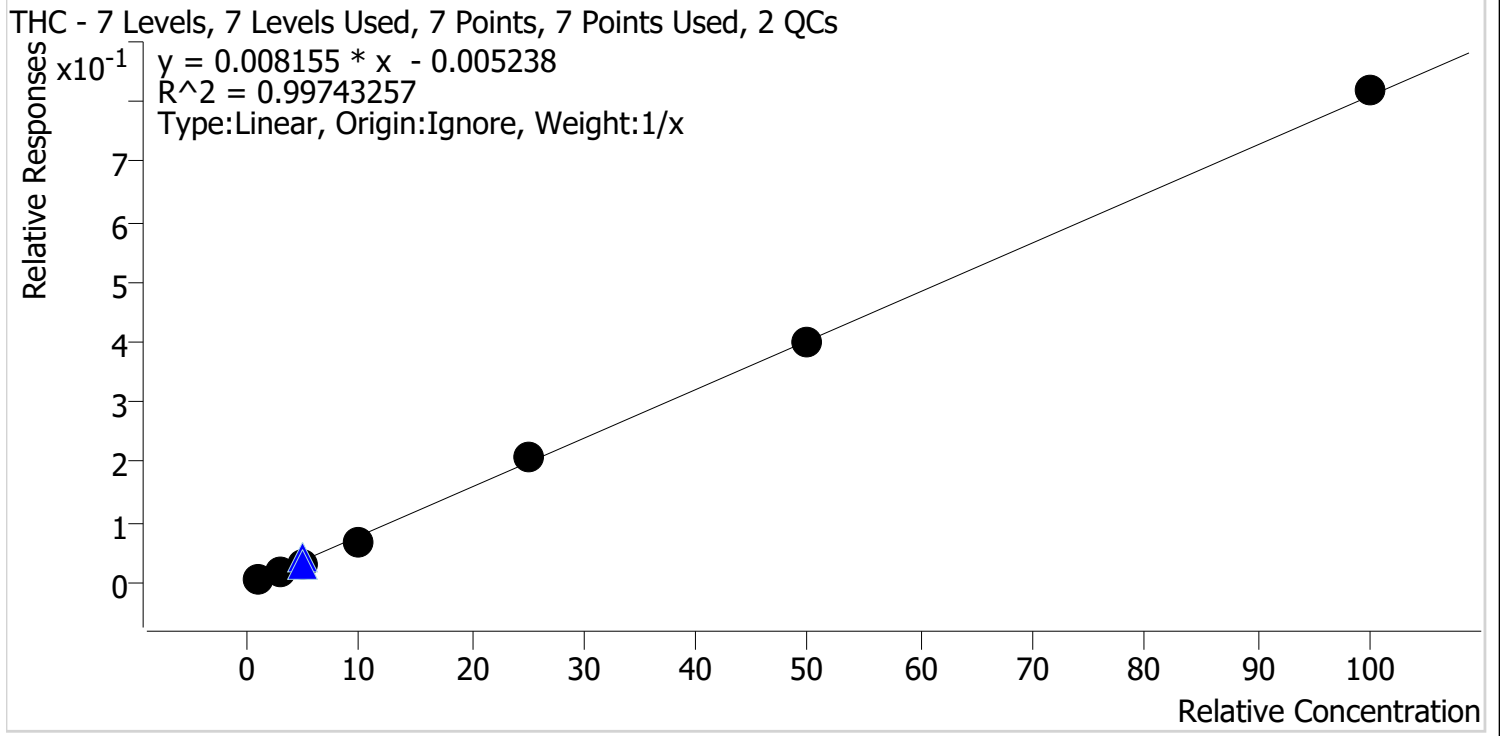


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	10291	∞	141.6 Low	∞	345443	4.2950 ng/ml
THC-COOH	4.556	102000	∞	148.6	∞	263030	32.4644 ng/ml
THC-OH	4.242	40478	1444.82	814.4	∞	4350685	4.4985 ng/ml



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/5/2024 7:05 AM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3



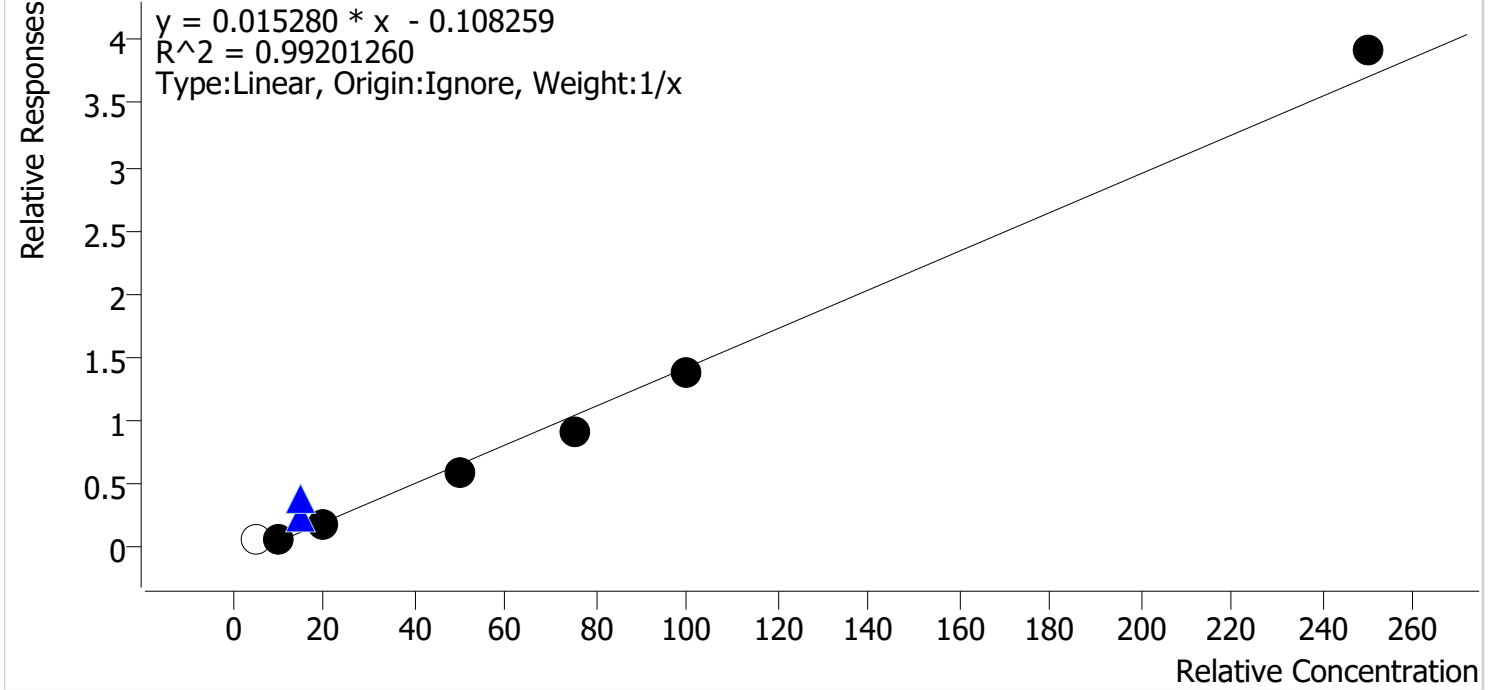
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.3	129.0
MJ Cal 2	2	✓	3.0	2.7	90.5
MJ Cal 3	3	✓	5.0	4.5	89.9
MJ Cal 4	4	✓	10.0	8.6	85.6
MJ Cal 5	5	✓	25.0	26.1	104.2
MJ Cal 6	6	✓	50.0	49.8	99.6
MJ Cal 7	7	✓	100.0	101.1	101.1



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/5/2024 7:05 AM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

THC-COOH - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 2 QCs

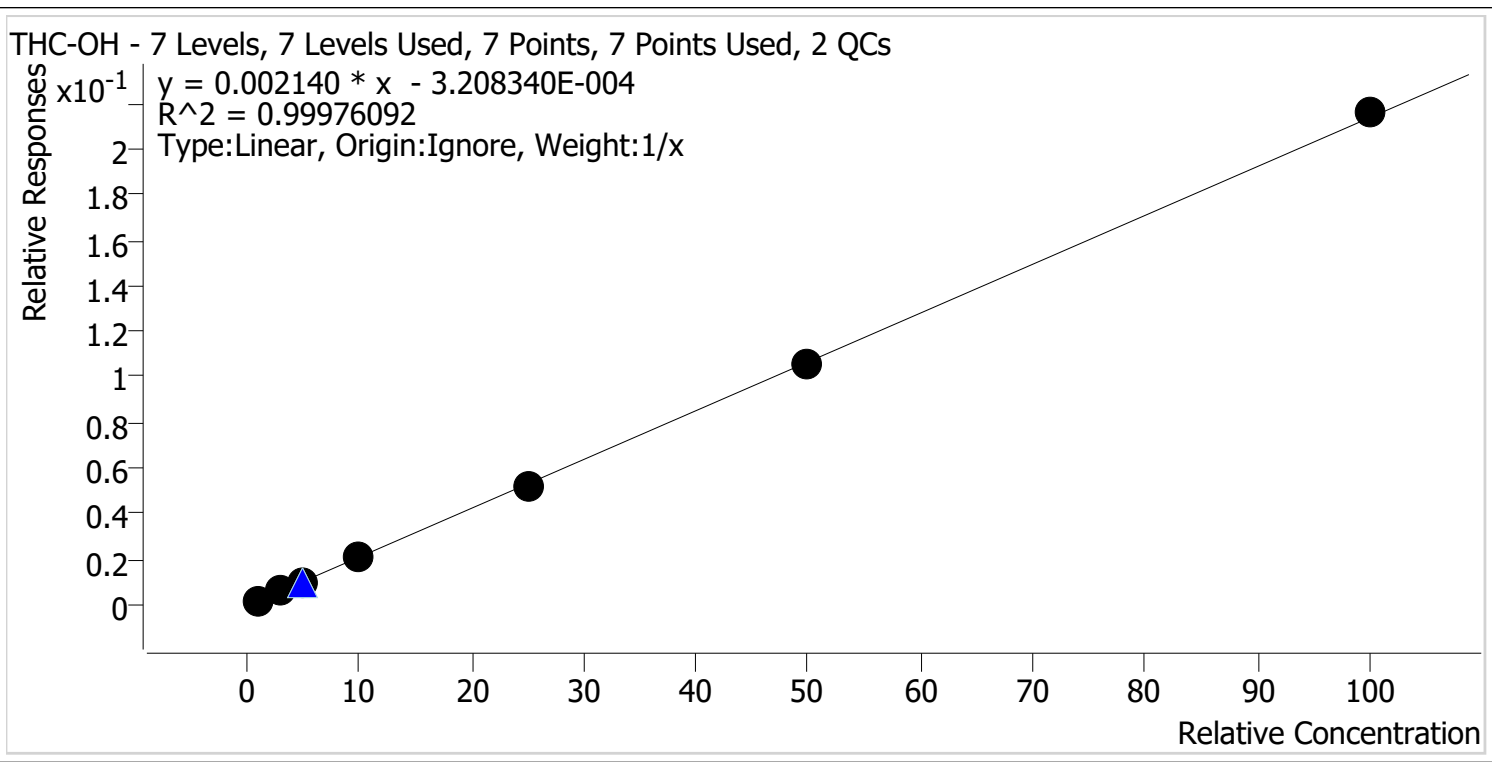


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	x	5.0	11.5	229.9
MJ Cal 2	2	✓	10.0	12.1	121.3
MJ Cal 3	3	✓	20.0	19.1	95.6
MJ Cal 4	4	✓	50.0	45.3	90.5
MJ Cal 5	5	✓	75.0	66.8	89.1
MJ Cal 6	6	✓	100.0	98.2	98.2
MJ Cal 7	7	✓	250.0	263.5	105.4



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/5/2024 7:05 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	108.2
MJ Cal 2	2	✓	3.0	3.0	98.9
MJ Cal 3	3	✓	5.0	4.9	97.1
MJ Cal 4	4	✓	10.0	9.7	96.9
MJ Cal 5	5	✓	25.0	24.6	98.2
MJ Cal 6	6	✓	50.0	49.8	99.7
MJ Cal 7	7	✓	100.0	101.0	101.0



AM #26 Cannabinoids Screen Results

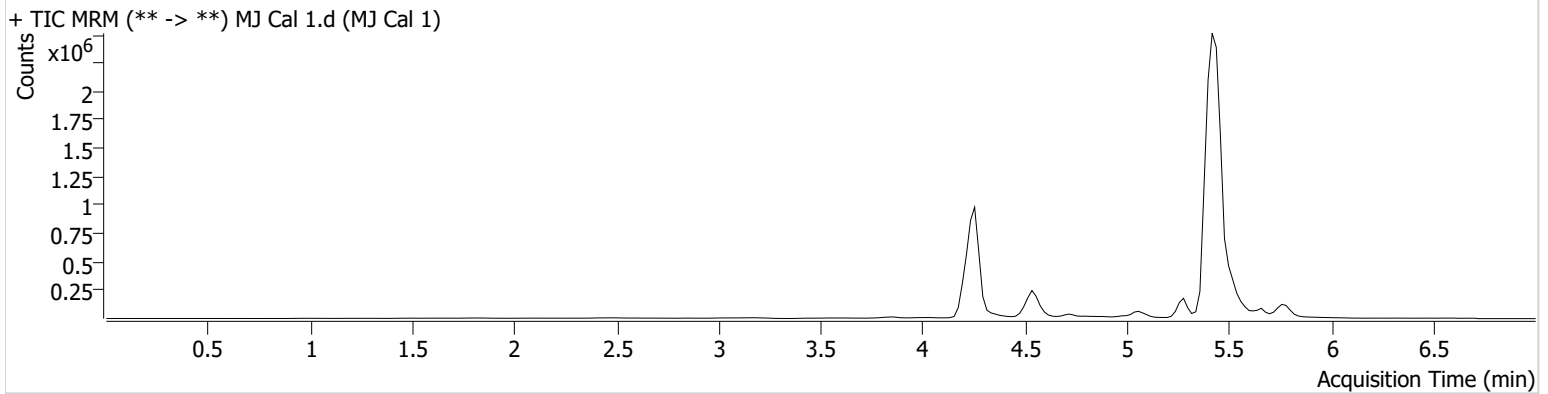
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 1/4/2024 12:09:31 PM
Sample Info.

Data File MJ Cal 1.d
Sample MJ Cal 1
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	2914	2.47 Low	904.0 High	∞	551580	1.2900 ng/ml
THC-COOH	4.576	61835	∞	178.2	18.94	917553	11.4957 ng/ml
THC-OH	4.262	8553	∞	870.7	∞	4289373	1.0819 ng/ml



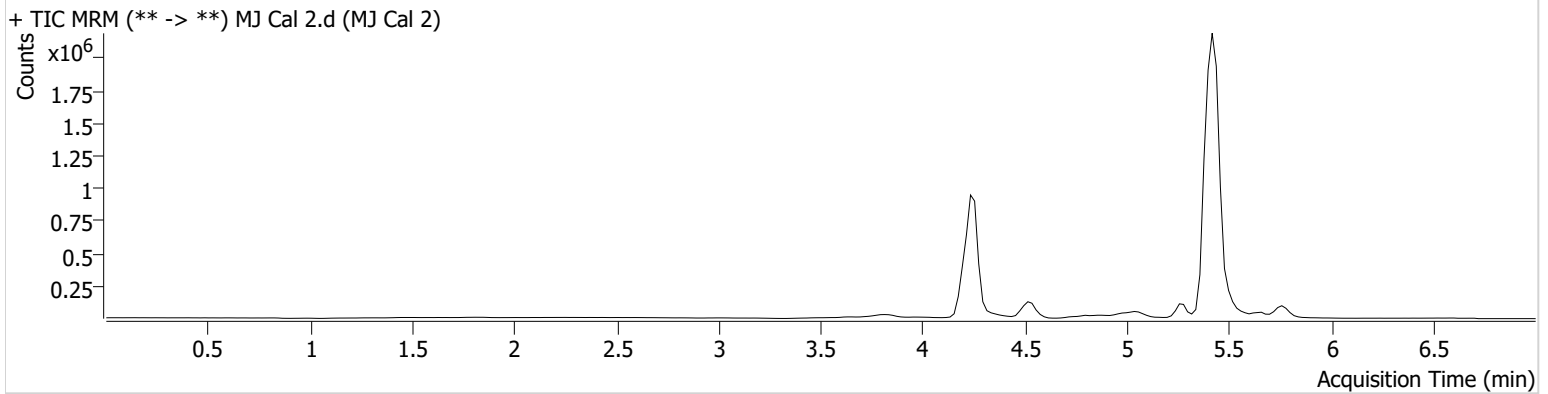
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901) **Data File** MJ Cal 2.d
Type Cal **Sample** MJ Cal 2
Acq. Method AM 26 THC.m **Operator** Celena Shrum
Sample Position P1-B1 **Comment**
Injection Volume 10
Acq. Date-Time 1/4/2024 12:17:17 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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.449	8460	∞	320.3 High	∞	500210	2.7161 ng/ml
THC-COOH	4.556	39212	∞	166.1	∞	509196	12.1250 ng/ml
THC-OH	4.262	25056	∞	809.1	∞	4156404	2.9675 ng/ml



AM #26 Cannabinoids Screen Results

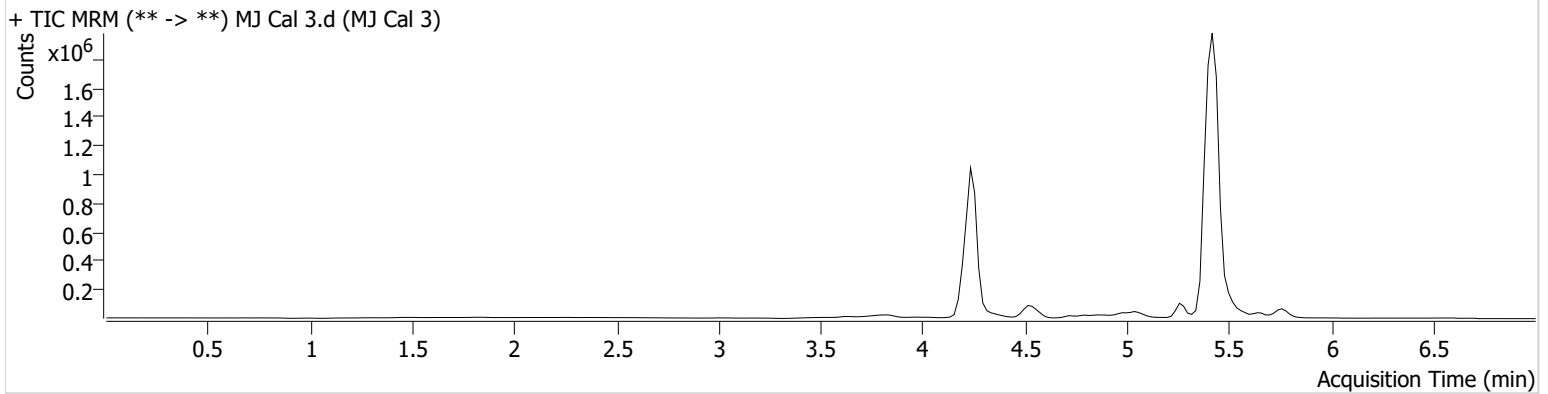
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 1/4/2024 12:24:51 PM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.449	14617	∞	178.1	∞	464985	4.4969 ng/ml
THC-COOH	4.556	56169	∞	154.9	11.43	305654	19.1119 ng/ml
THC-OH	4.262	39937	∞	829.4	110.17	3969204	4.8528 ng/ml



AM #26 Cannabinoids Screen Results

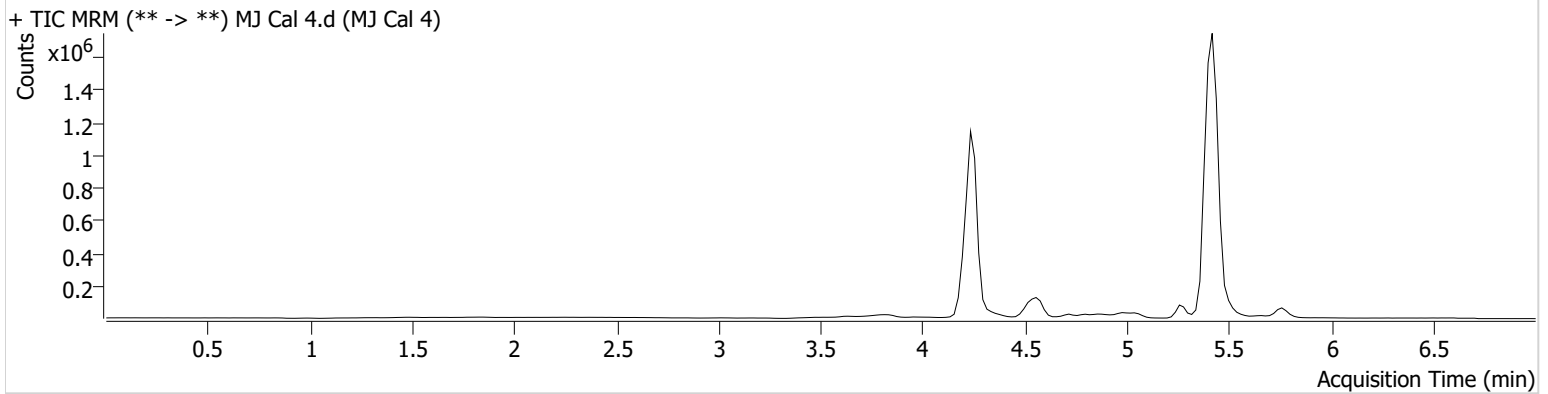
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 1/4/2024 12:32:25 PM
Sample Info.

Data File MJ Cal 4.d
Sample MJ Cal 4
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.449	30382	∞	90.2 Low	13.75	470307	8.5634 ng/ml
THC-COOH	4.556	165200	∞	167.1	∞	283205	45.2617 ng/ml
THC-OH	4.262	81703	∞	791.1	713.44	4001211	9.6939 ng/ml

AM #26 Cannabinoids Screen Results



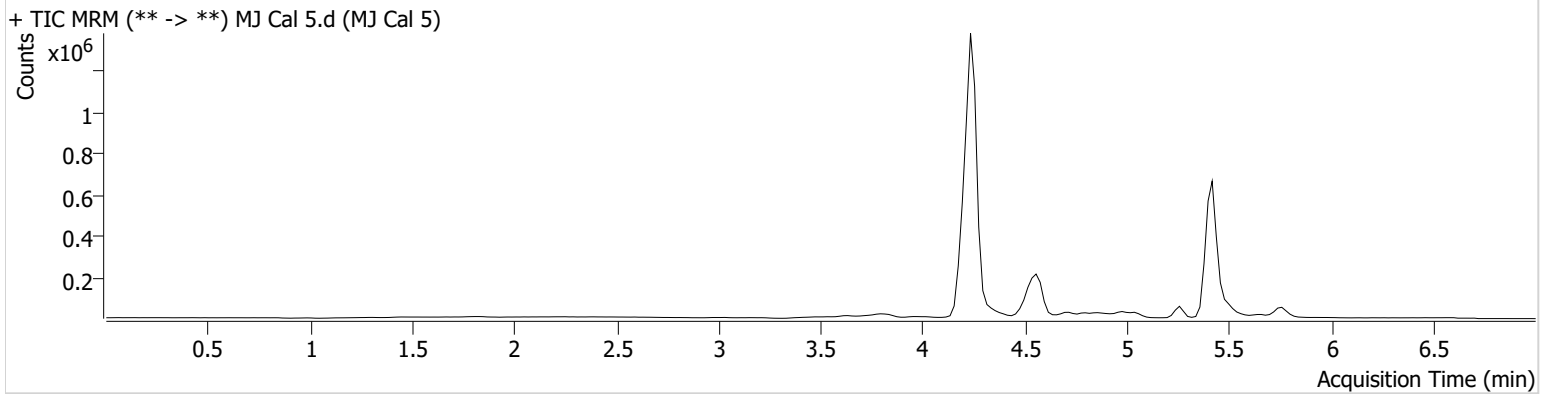
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 1/4/2024 12:40:00 PM
Sample Info.

Data File MJ Cal 5.d
Sample MJ Cal 5
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	24908	∞	50.1 Low	∞	120181	26.0553 ng/ml
THC-COOH	4.556	315410	∞	163.7	∞	345622	66.8107 ng/ml
THC-OH	4.242	212655	6625.13	777.1	∞	4073371	24.5508 ng/ml



AM #26 Cannabinoids Screen Results

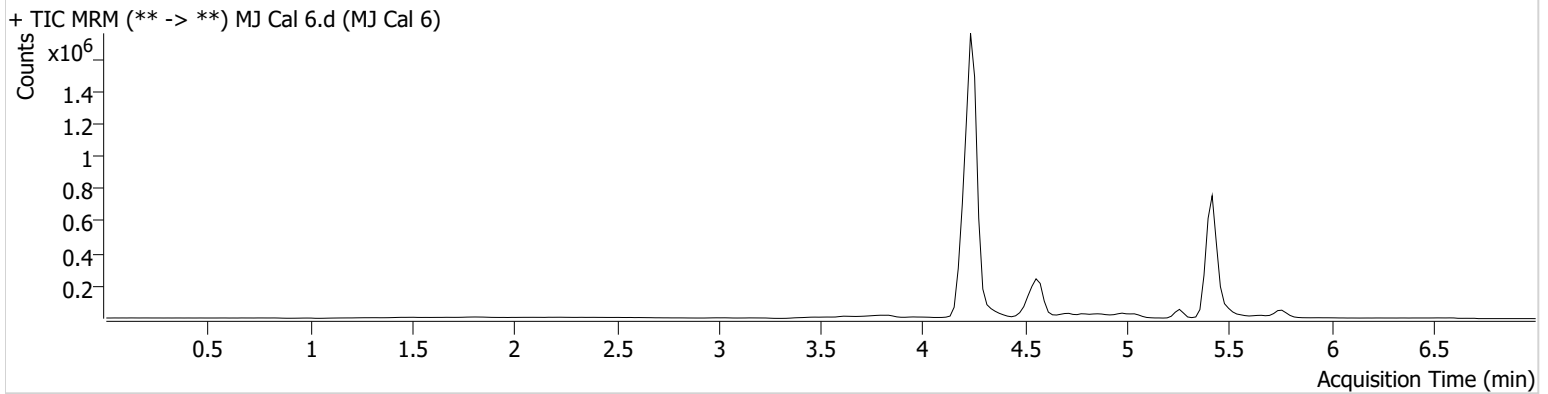
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 1/4/2024 12:47:35 PM
Sample Info.

Data File MJ Cal 6.d
Sample MJ Cal 6
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	54036	∞	38.4 Low	∞	134819	49.7879 ng/ml
THC-COOH	4.556	375503	∞	167.8	∞	269771	98.1820 ng/ml
THC-OH	4.242	426859	669.95	760.3	2086.45	4014799	49.8438 ng/ml



AM #26 Cannabinoids Screen Results

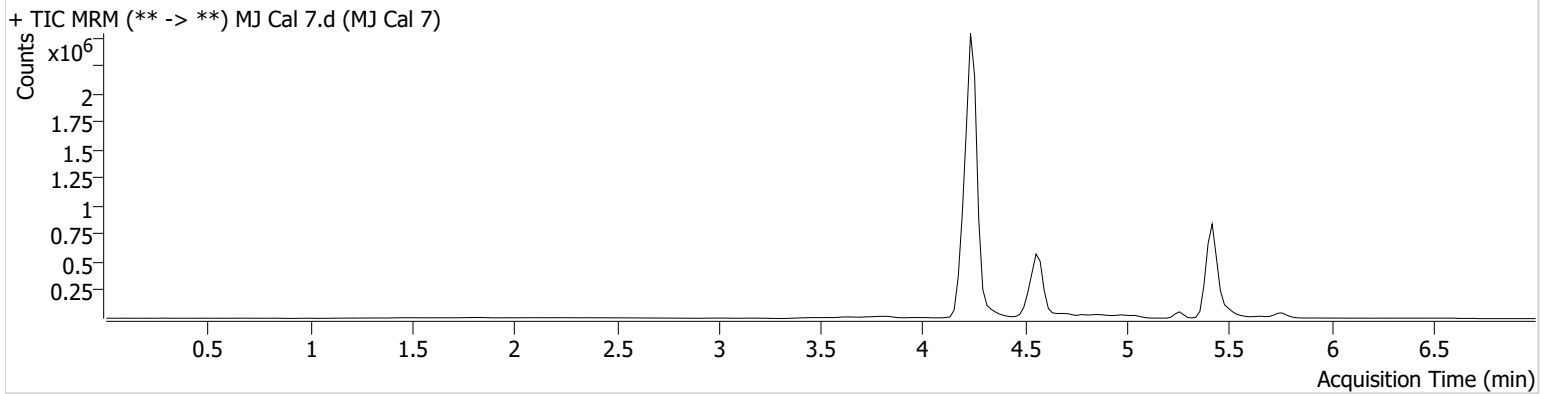
Batch results D:\MassHunter\Data\2024\AM 25 26\010424 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/5/2024 7:05:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 1/4/2024 12:55:09 PM
Sample Info.

Data File MJ Cal 7.d
Sample MJ Cal 7
Operator Celena Shrum
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	119178	∞	31.8 Low	∞	145483	101.0903 ng/ml
THC-COOH	4.556	918506	∞	155.5	∞	234428	263.5086 ng/ml
THC-OH	4.242	820526	6805.35	756.8	∞	3802401	101.0094 ng/ml