











Worklist: 6602

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4426	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4479	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4610	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4669	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4696	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4775	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4780	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4785	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4863	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4868	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4931	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3418	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3446	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3450	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3478	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3487	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3496	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3502	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3511	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3512	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3520	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6602

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-3525	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3527	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3528	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3529	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3533	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3534	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3546	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3602	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: 12/06/2023

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:

	1	2	3	4	5	6	7
A	CAL	M2023-4669-1	P2023-3418-1	P2023-3512-1	P2023-3546-1		
B		M2023-4775-2	P2023-3446-1	P2023-3520-1	P2023-3602-1		
C		M2023-4780-1	P2023-3450-1	P2023-3525-1			
D		M2023-4785-1	P2023-3478-1	P2023-3527-1			
E	NEG CTRL	M2023-4863-1	P2023-3487-1	P2023-3528-1			
F	M2023-4426-1	M2023-4868-2	P2023-3496-1	P2023-3529-1			
G	M2023-4479-2	M2023-4931-2	P2023-3502-1	P2023-3533-1			
H	M2023-4610-1	M2023-4696-2	P2023-3511-2	P2023-3534-1			

AM #25 Multi-Drug Screen. Results

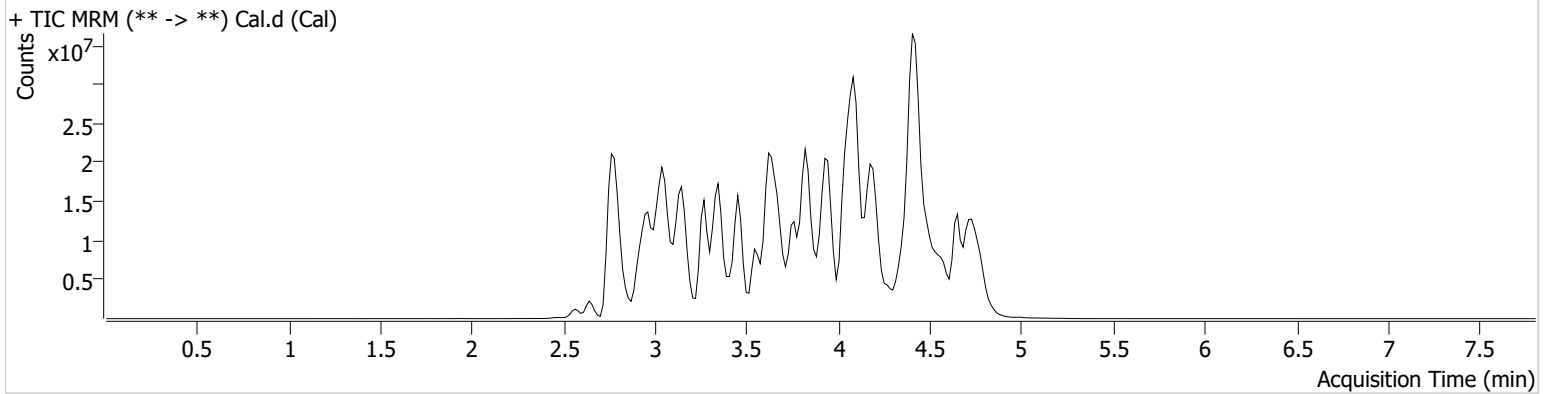


Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 12/12/2023 1:31:26 PM

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 12/6/2023 8:04:28 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	4258168	772.42	106.7	454.35	28834127	10.0000 ng/ml
6-MAM	3.112	88135	27321.26	75.8	52163.42	2795554	10.0000 ng/ml
7-aminoclonazepam	3.592	1563292	235.65	80.1	422887.88	7571765	10.0000 ng/ml
7-aminoflunitrazepam	3.792	3434633	341.20	21.8	477.83	7571765	10.0000 ng/ml
9-Hydroxyrisperidone	3.939	11700426	14313972.60	2.6	88924.02	42726240	10.0000 ng/ml
Acetyl Fentanyl	3.974	572055	132.13	74.1	182675.52	45330456	10.0000 ng/ml
Acetyl Norfentanyl	2.951	769661	535.25	31.6	684.96	45330456	10.0000 ng/ml
a-hydroxyalprazolam	4.498	455387	2859.31	45.7	3489.79	7571765	10.0000 ng/ml
alpha-hydroxymidazolam	4.574	2177317	498.38	62.7	254.04	7571765	10.0000 ng/ml
Alpha-PHP	3.888	8385277	13779.62	33.5	2671.38	45330456	10.0000 ng/ml
alpha-PVP	3.628	9914076	10556.02	49.2	552.34	24483777	10.0000 ng/ml
Alprazolam	4.624	1539423	604.07	95.7	125.92	16385311	10.0000 ng/ml
Amitriptyline	4.458	2945449	43.86	63.7	199.41	8192645	10.0000 ng/ml
Amphetamine	2.955	5765264	610.43	251.3	442.77	24483777	10.0000 ng/ml
Benzoylcegonine	3.392	154682	618.23	25.6	35470.02	677861	10.0000 ng/ml
Bromazolam	4.680	1222631	5708.70	135.0	102359.63	16385311	10.0000 ng/ml
Brompheniramine	4.051	161752	907.91	898.5	1238.46	59306129	10.0000 ng/ml
Buprenorphine	4.815	134905	23334.13	13.9	10041.25	6935230	10.0000 ng/ml
Bupropion	3.843	8457032	1985.95	65.1	1718.93	32209109	10.0000 ng/ml
Carbamazepine	4.229	13015448	∞	92.9	∞	215402	10.0000 ng/ml
Carisoprodol	4.197	1206961	500.59	77.8	133.21	8520112	10.0000 ng/ml
Chlordiazepoxide	4.718	1357416	501.08	73.4	261.61	16385311	10.0000 ng/ml
Chlorpheniramine	3.963	11565839	6337.73	0.3	8.05	20969429	10.0000 ng/ml
Chlorpromazine	4.653	2049594	430.50	107.7	312.51	7349856	10.0000 ng/ml
Citalopram	4.082	5016153	704.90	29.2	454156.11	59306129	10.0000 ng/ml
Clomipramine	4.653	2301303	679636.66	89.8	7645.22	59306129	10.0000 ng/ml
Clonazepam	4.422	1096130	353.47	28.1	10684.22	215402	10.0000 ng/ml
Clonazolam	4.357	1839685	198386.09	32.8	203229.95	16385311	10.0000 ng/ml
Clozapine	4.405	5556844	2364.28	79.3	1211939.64	25696001	10.0000 ng/ml
Cocaethylene	3.836	7464075	3010942.29	50.5	1984796.89	37502413	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaine	3.637	7457279	6276135.46	21.9	471.42	37502413	10.0000 ng/ml
Codeine	3.099	582769	344298.00	124.8	1415.17	14045589	10.0000 ng/ml
Cyclobenzaprine	4.366	3561733	559.67	8.6	165.62	8192645	10.0000 ng/ml
Desipramine	4.382	6764521	969.98	40.8	599.64	8192645	10.0000 ng/ml
Dextromethorphan	4.103	3708106	262.03	79.3	226.40	20969429	10.0000 ng/ml
Dextrorphan	3.410	4536249	1364.20	54.0	708.56	20969429	10.0000 ng/ml
Diazepam	4.841	1412893	693.12	88.4	493.08	16385311	10.0000 ng/ml
Dihydrocodeine	2.961	1804055	13298.84	59.8	385.68	14045589	10.0000 ng/ml
Diphenhydramine	4.057	19061256	974.01	26.1	994.74	59306129	10.0000 ng/ml
DMT	3.045	422842	798.76	191.5	5047.16	20969429	10.0000 ng/ml
Doxepin	4.179	3481864	670.95	45.5	148.57	41937031	10.0000 ng/ml
Doxylamine	3.670	16803290	27209474.83	88.3	254.97	20969429	10.0000 ng/ml
Duloxetine	4.333	87987	46172.79	980.5	10555.84	1161774	10.0000 ng/ml
EDDP	4.102	1247129	307.00	47.5	268.74	6258250	10.0000 ng/ml
Etazolam	4.518	7905293	2487.00	49.1	1094.64	16385311	10.0000 ng/ml
Etizolam	4.635	298436	139730.24	348.1	510453.06	16385311	10.0000 ng/ml
Fentanyl	4.189	414882	31.66	71.6	735.51	31781232	10.0000 ng/ml
Flualprazolam	4.482	1187067	536582.99	142.3	625861.43	16385311	10.0000 ng/ml
Flunitrazepam	4.546	2441796	11877.22	36.2	924.87	16385311	10.0000 ng/ml
Fluorofentanyl	4.234	842334	300265.83	84.0	237.22	31781232	10.0000 ng/ml
Fluoxetine	4.316	2952575	656.10	7.4	30.51	3324860	10.0000 ng/ml
Flurazepam	4.263	4892740	503.92	23.1	431.35	16385311	10.0000 ng/ml
Hydrocodone	3.176	2399180	327.62	49.7	3244.92	14045589	10.0000 ng/ml
Hydromorphone	2.841	1318112	9038.17	111.1	3329448.12	206153	10.0000 ng/ml
Hydroxyzine	4.541	4152362	2068.40	80.7	898.81	25696001	10.0000 ng/ml
Imipramine	4.411	7134777	8174.39	64.8	205.80	8192645	10.0000 ng/ml
Ketamine	3.720	6584218	826.66	36.1	148.04	17764862	10.0000 ng/ml
Lamotrigine	3.625	479930	7446.63	78.9	159343.08	59306129	10.0000 ng/ml
Levamisole	3.136	5088504	36032.76	88.9	923.66	37502413	10.0000 ng/ml
Levetiracetam	2.649	3702867	1104.86	54.0	457.31	59306129	10.0000 ng/ml
Lorazepam	4.422	457148	161.68	265.3	∞	16385311	10.0000 ng/ml
Maprotiline	4.458	2001929	46.52	63.2	120.63	8192645	10.0000 ng/ml
MDA	3.061	2858452	269.73	44.3	610.56	44427791	10.0000 ng/ml
MDEA	3.259	6986703	874.65	53.7	343.67	44427791	10.0000 ng/ml
MDMA	3.121	7946012	302.51	51.0	1561.73	44427791	10.0000 ng/ml
Meperidine	3.657	4101498	371.78	59.2	424.92	20969429	10.0000 ng/ml
Meprobamate	3.659	811461	318.58	25.0	249.81	8520112	10.0000 ng/ml
Methadone	4.408	9726656	439.34	50.8	1580.93	6258250	10.0000 ng/ml
Methamphetamine	3.047	9103548	5140.20	39.8	1157.62	44427791	10.0000 ng/ml
Methocarbamol	3.565	361207	78.88	76.1	2182.44	6258250	10.0000 ng/ml
Methylphenidate	3.550	20130741	7165.24	22.6	415.23	25612132	10.0000 ng/ml
Metoprolol	3.455	1402493	226.45	98.6	537.52	20969429	10.0000 ng/ml
Midazolam	4.759	1015269	1039.27	86.0	302725.37	16385311	10.0000 ng/ml
Mirtazapine	4.166	5844154	20800.54	195.4	343313.43	20969429	10.0000 ng/ml
Mitragynine	4.278	1002440	351093.63	212.1	1553975.91	20969429	10.0000 ng/ml
Morphine	2.643	303760	∞	133.9	60.40	206153	10.0000 ng/ml
Norbuprenorphine	3.847	102302	70503.87	104.5	38602.34	6935230	10.0000 ng/ml
Nordiazepam	4.689	1595841	948401.92	58.6	3224.41	16385311	10.0000 ng/ml
Norfentanyl	3.350	12035605	1276.40	37.6	213.75	45330456	10.0000 ng/ml
Norhydrocodone	3.009	366295	89.01	35.9	112.95	206153	10.0000 ng/ml
Norketamine	3.828	940655	878.98	560.8	11258.70	17764862	10.0000 ng/ml
Normeperidine	3.627	3938169	2073.37	79.6	266.41	59306129	10.0000 ng/ml
Noroxycodone	2.946	2121918	279.85	29.6	303.94	17764862	10.0000 ng/ml
Nortriptyline	4.413	1353241	852.45	78.5	98.66	8192645	10.0000 ng/ml
O-desmethyl-tramadol	2.980	13657527	62896.24	5.5	151.18	59306129	10.0000 ng/ml
O-desmethylvenlafaxine	3.270	2672628	289.89	704.3	∞	15660383	10.0000 ng/ml
Olanzapine	3.929	1666853	1009577.06	52.2	213056.25	215402	10.0000 ng/ml
Oxazepam	4.502	2230260	469.27	73.8	173.64	17678816	10.0000 ng/ml
Oxycodone	3.082	4010765	591.61	28.6	1461.90	17764862	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxymorphone	2.565	3135601	∞	24.3	69.08	206153	10.0000 ng/ml
Paroxetine	4.343	545995	201.86	90.9	100543.81	3324860	10.0000 ng/ml
Phenazepam	4.634	1018848	301.05	63.7	104.94	16385311	10.0000 ng/ml
Phencyclidine	3.950	10354703	643.87	59.6	1388.30	20969429	10.0000 ng/ml
Phentermine	3.185	2088985	574.87	6.8	35.17	25612132	10.0000 ng/ml
Phenytoin	4.120	509953	305.71	83.4	352.29	215402	10.0000 ng/ml
Primidone	3.460	1179715	962242.01	96.7	110.63	215402	10.0000 ng/ml
Promethazine	4.380	10155553	33793.89	33.1	337.24	59306129	10.0000 ng/ml
Pseudoephedrine	2.797	72505084	6413.21	38.7	1731.25	44427791	10.0000 ng/ml
Quetiapine	4.587	5491216	1947026.10	55.2	1356043.58	51522056	10.0000 ng/ml
Risperidone	4.139	9080276	3350641.24	12.7	844.27	42726240	10.0000 ng/ml
Sertraline	4.563	634335	322742.42	105.3	1607.12	3324860	10.0000 ng/ml
Sufentanil	4.571	307522	40539.27	93.3	79259.42	45330456	10.0000 ng/ml
Tapentadol	3.459	8422097	812.93	35.9	49764.79	17764862	10.0000 ng/ml
Temazepam	4.656	3695540	2263.76	30.0	93.14	16385311	10.0000 ng/ml
Topiramate	3.834	48680	16323.58	29.9	6206.48	168227	10.0000 ng/ml
Tramadol	3.455	28305474	568.60	1.7	168.61	59306129	10.0000 ng/ml
Trazodone	4.756	10858440	2968527.59	69.6	3550626.86	41937031	10.0000 ng/ml
Venlafaxine	3.824	10389938	1776.92	27.0	194.07	15660383	10.0000 ng/ml
Xylazine	3.429	3974653	2217.36	44.3	193.18	17764862	10.0000 ng/ml
Zaleplon	4.332	2640970	2445129.58	68.8	645969.10	51522056	10.0000 ng/ml
Zolpidem	4.424	14240310	3839107.57	28.6	2077959.97	51522056	10.0000 ng/ml
Zopiclone	4.340	1080321	506595.02	58.1	1676.56	5019555	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



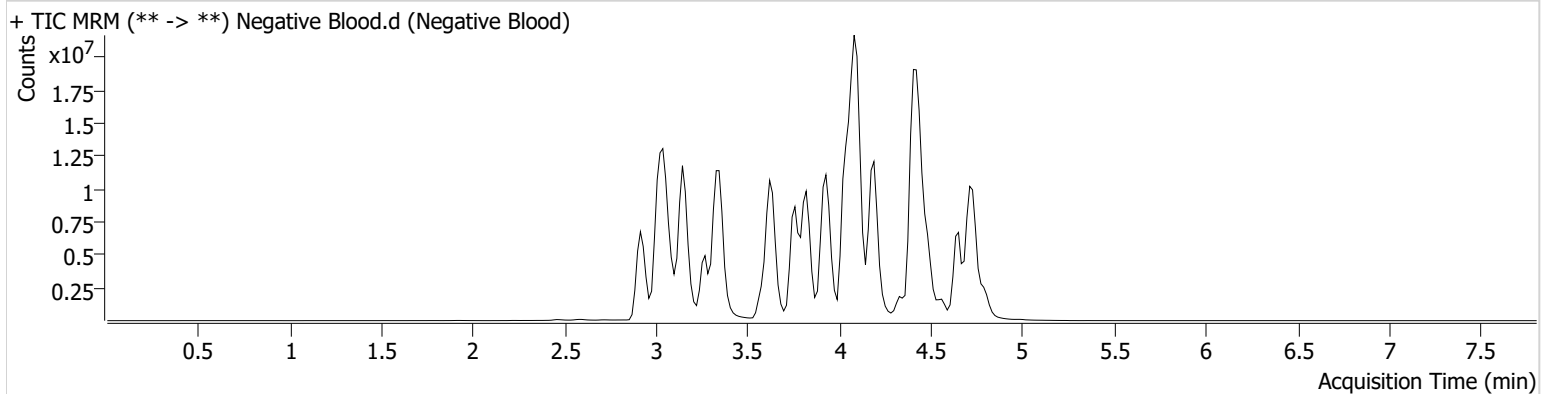
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 12/12/2023 1:31:26 PM

Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P2-E1
Injection Volume 5
Acq. Date-Time 12/6/2023 8:13:02 PM
Sample Info.

Data File Negative Blood.d
Sample Negative Blood
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



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

Extraction Date: 12/06/2023

Plate lot#: 230627

Mobile phase A: 10mM Amm Form

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 12/27/2023

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, 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: An incorrect well position was specified for the end QC, so it was injected the next day.

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2023-4785-1	P2023-3478-1	P2023-3527-1	
b	cal 3 ng	NEG CTRL	M2023-4863-1	P2023-3487-1	P2023-3528-1	
c	cal 5 ng	M2023-4426-1	M2023-4868-2	P2023-3496-1	P2023-3529-1	
d	cal 10ng	M2023-4479-2	M2023-4931-2	P2023-3502-1	P2023-3533-1	
e	cal 25 ng	M2023-4610-1	M2023-4696-2	P2023-3511-2	P2023-3534-1	
f	cal 50 ng	M2023-4669-1	P2023-3418-1	P2023-3512-1	P2023-3546-1	
g	cal 100 ng	M2023-4775-2	P2023-3446-1	P2023-3520-1	P2023-3602-1	
h	QC 1	M2023-4780-1	P2023-3450-1	P2023-3525-1		

AM #26 Cannabinoids Screen Results



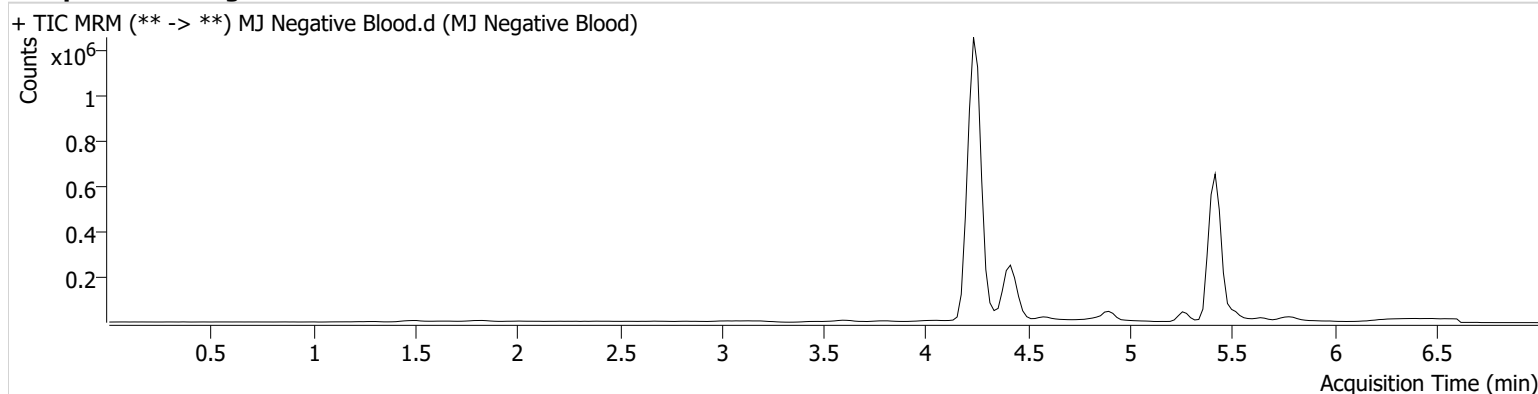
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 12/6/2023 3:42:58 PM
Sample Info.

Data File MJ Negative Blood.d
Sample MJ Negative Blood
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



AM #26 Cannabinoids Screen Results

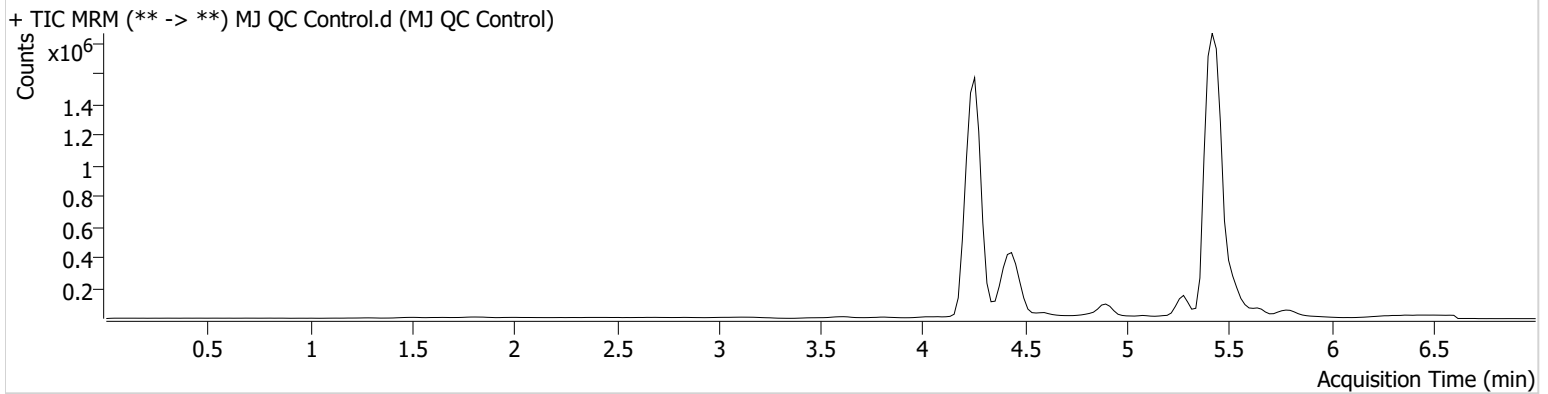


Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

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 12/7/2023 8:37:48 AM
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	5.469	22697	∞	138.3	∞	703609	4.3785 ng/ml
THC-COOH	4.456	326811	∞	157.7	∞	1599055	16.1362 ng/ml
THC-OH	4.262	62845	∞	834.7	∞	7803891	4.1682 ng/ml

AM #26 Cannabinoids Screen Results



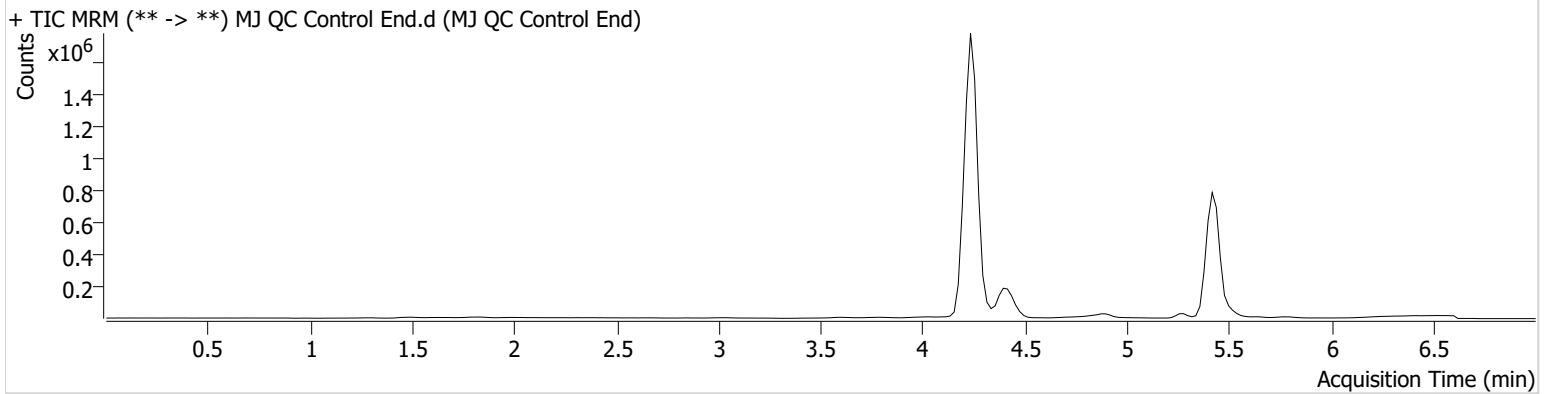
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 12/6/2023 7:29:56 PM
Sample Info.

Data File MJ QC Control End.d
Sample MJ QC Control End
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	5.389	11096	∞	115.0	∞	331810	4.5322 ng/ml
THC-COOH	4.436	93903	∞	167.0	∞	721100	10.1503 ng/ml
THC-OH	4.242	59264	∞	845.7	∞	7376943	4.1587 ng/ml

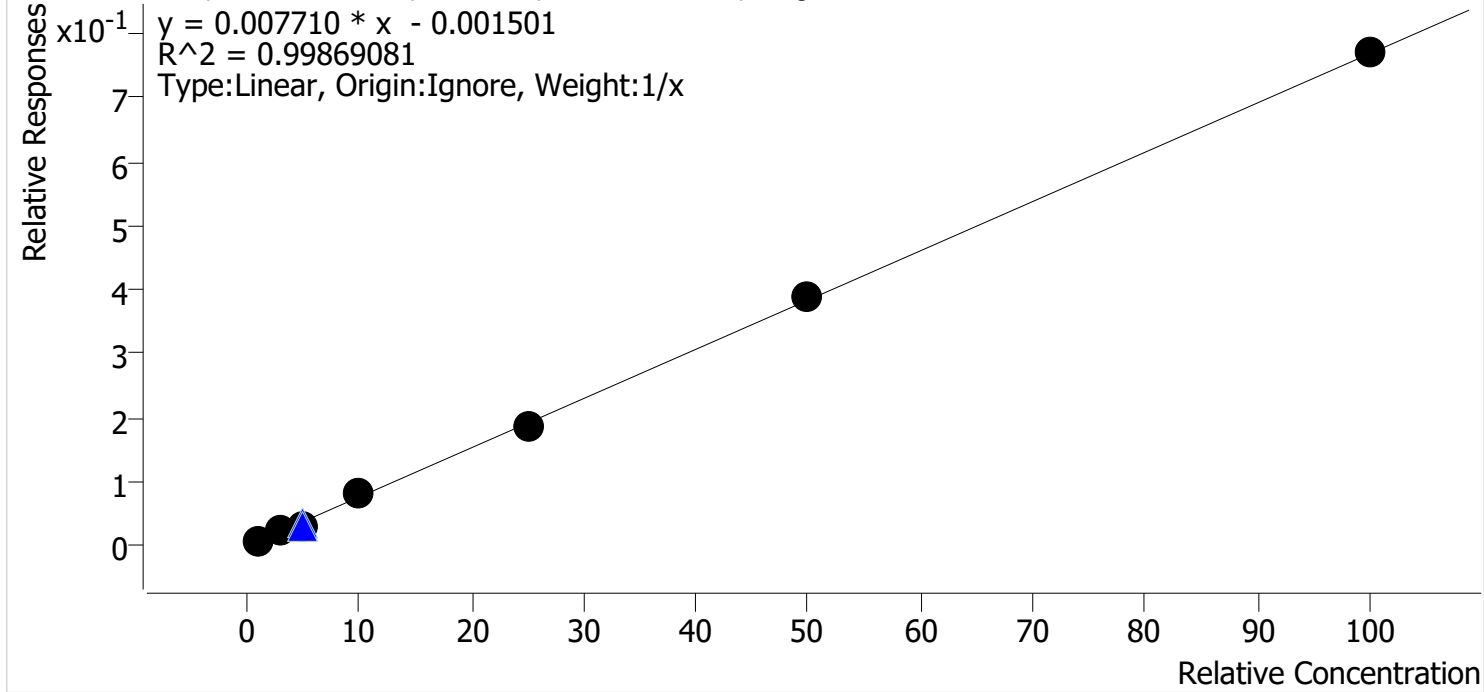
9



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 12/13/2023 11:08 AM
Analyst Name ISP\Datastor
Analyte THC **Internal Standard** THC-D3

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

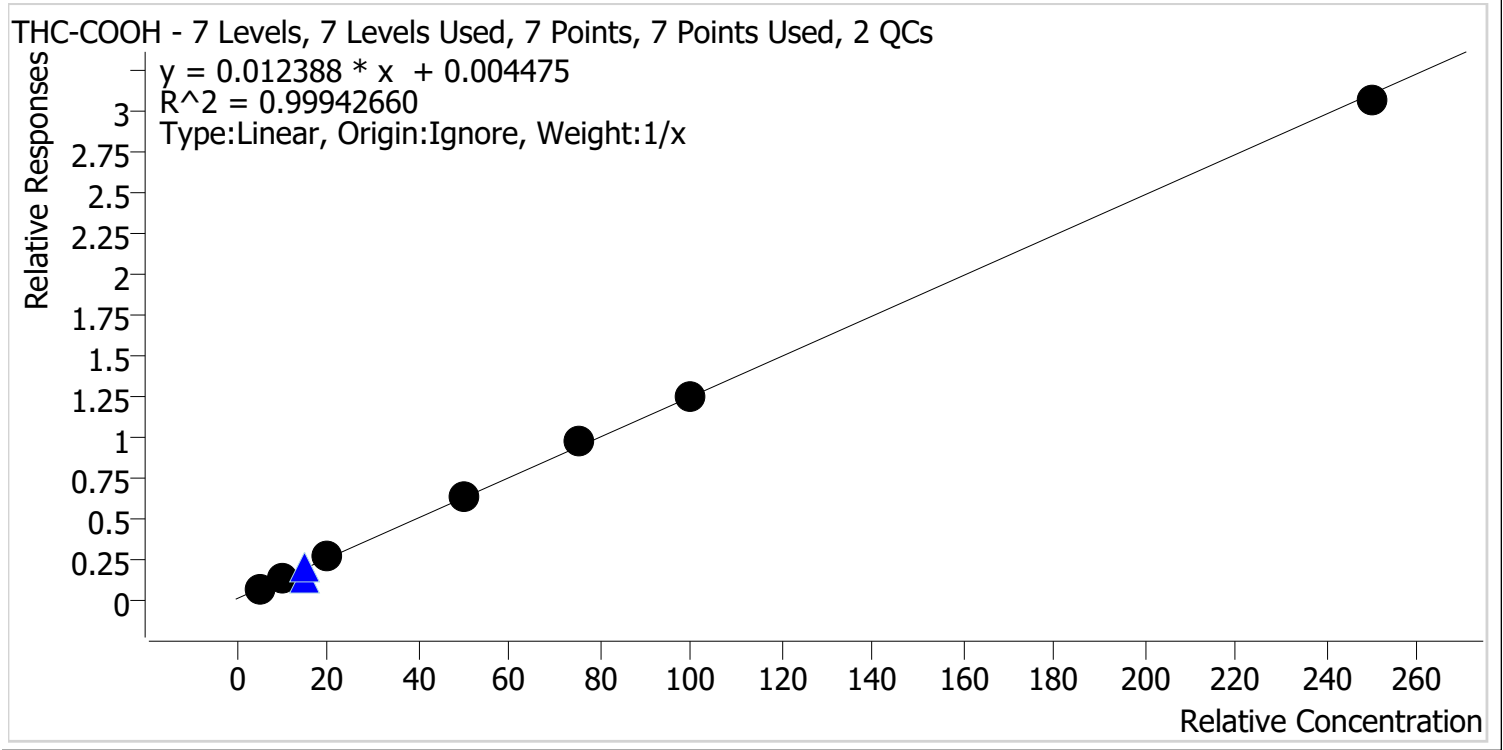


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	114.0
MJ Cal 2	2	✓	3.0	3.0	99.7
MJ Cal 3	3	✓	5.0	4.1	82.6
MJ Cal 4	4	✓	10.0	10.4	104.4
MJ Cal 5	5	✓	25.0	24.4	97.6
MJ Cal 6	6	✓	50.0	50.7	101.4
MJ Cal 7	7	✓	100.0	100.2	100.2



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 12/13/2023 11:08 AM
Analyst Name ISP\Datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

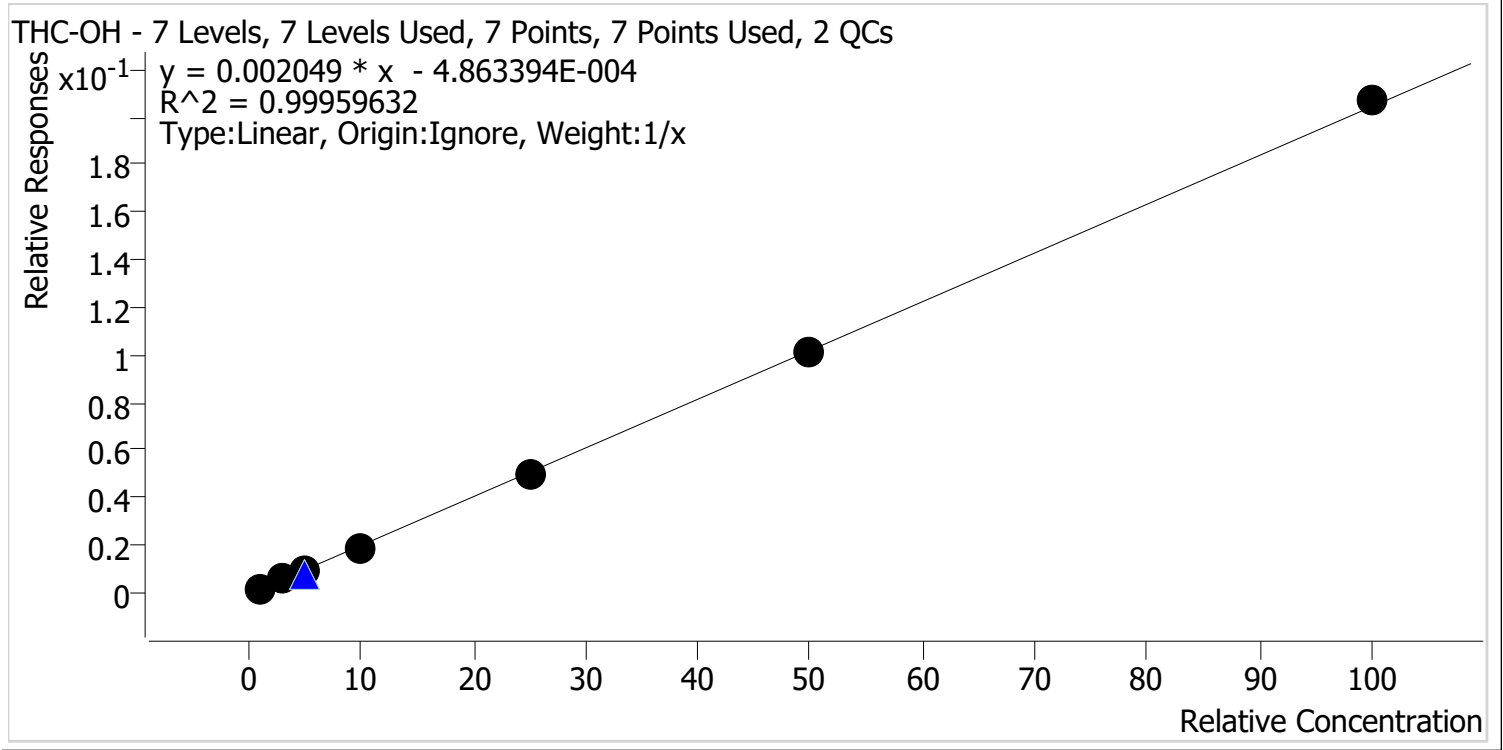


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	4.8	96.7
MJ Cal 2	2	✓	10.0	9.9	98.8
MJ Cal 3	3	✓	20.0	20.2	101.1
MJ Cal 4	4	✓	50.0	50.1	100.2
MJ Cal 5	5	✓	75.0	78.5	104.7
MJ Cal 6	6	✓	100.0	99.8	99.8
MJ Cal 7	7	✓	250.0	246.6	98.6



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 12/13/2023 11:08 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	111.9
MJ Cal 2	2	✓	3.0	2.9	97.3
MJ Cal 3	3	✓	5.0	4.8	96.2
MJ Cal 4	4	✓	10.0	9.5	95.3
MJ Cal 5	5	✓	25.0	24.7	98.6
MJ Cal 6	6	✓	50.0	49.8	99.5
MJ Cal 7	7	✓	100.0	101.2	101.2

AM #26 Cannabinoids Screen Results



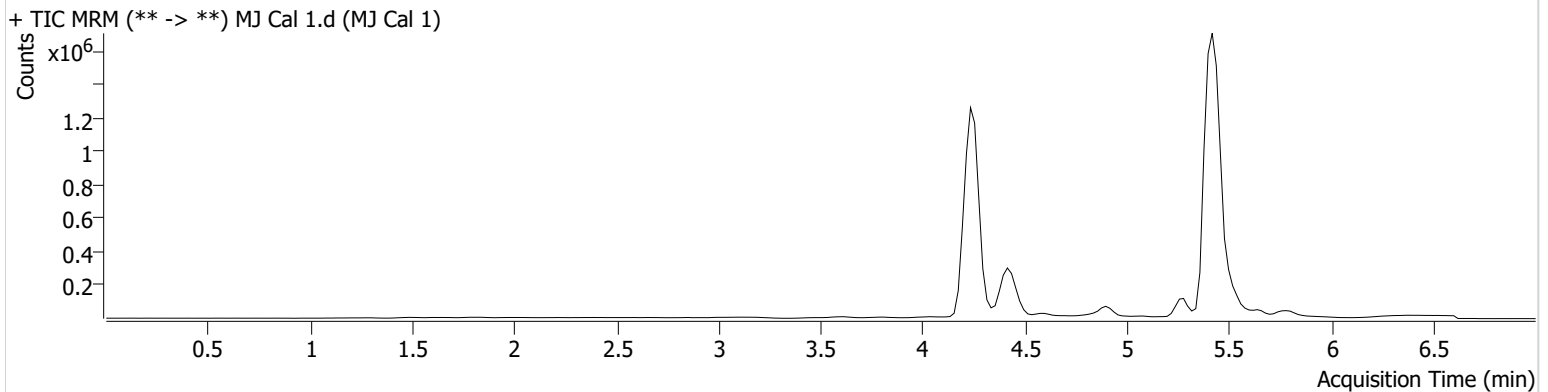
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 12/6/2023 2:34:41 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	4589	5.38 Low	525.9 High	∞	629271	1.1405 ng/ml
THC-COOH	4.456	81908	∞	173.1	∞	1272811	4.8333 ng/ml
THC-OH	4.262	10987	∞	856.9	∞	6083676	1.1189 ng/ml

AM #26 Cannabinoids Screen Results



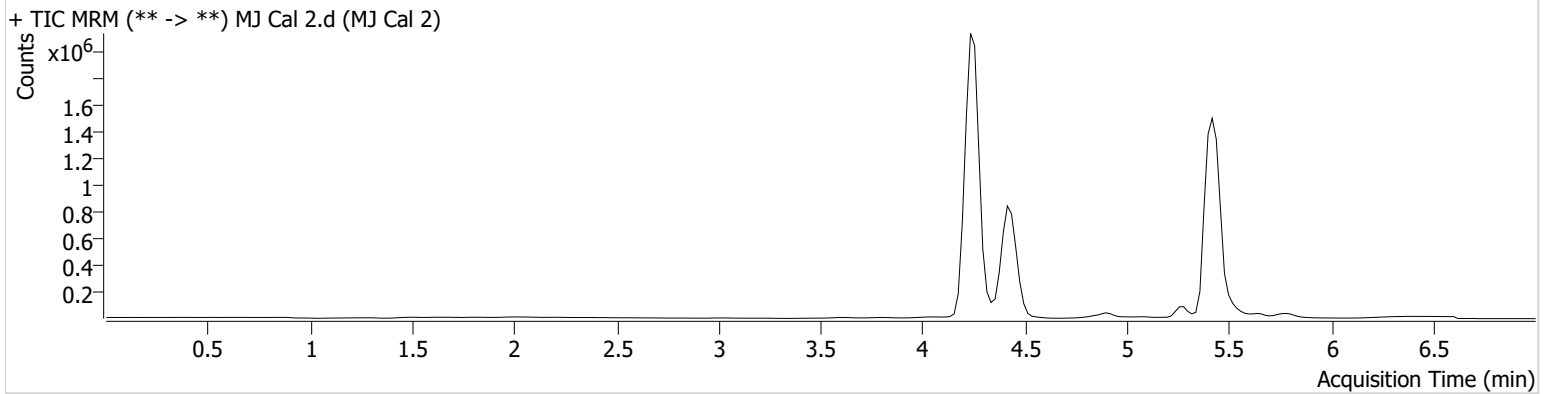
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 12/6/2023 2:42:25 PM
Sample Info.

Data File MJ Cal 2.d
Sample MJ Cal 2
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	5.449	13176	∞	172.8 High	∞	610864	2.9924 ng/ml
THC-COOH	4.456	391702	∞	173.4	∞	3087321	9.8801 ng/ml
THC-OH	4.262	52140	∞	873.5	∞	9487894	2.9198 ng/ml

AM #26 Cannabinoids Screen Results



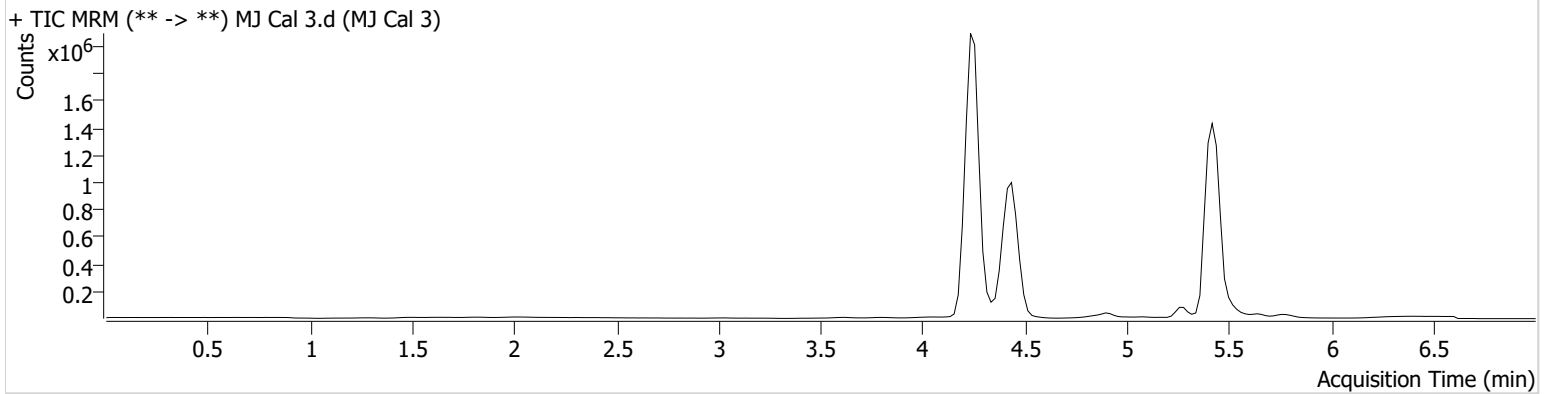
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 12/6/2023 2:49:59 PM
Sample Info.

Data File MJ Cal 3.d
Sample MJ Cal 3
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	5.409	16667	∞	145.5	∞	549669	4.1275 ng/ml
THC-COOH	4.456	778917	∞	169.9	∞	3054025	20.2262 ng/ml
THC-OH	4.262	83293	∞	826.5	∞	8893239	4.8090 ng/ml

AM #26 Cannabinoids Screen Results



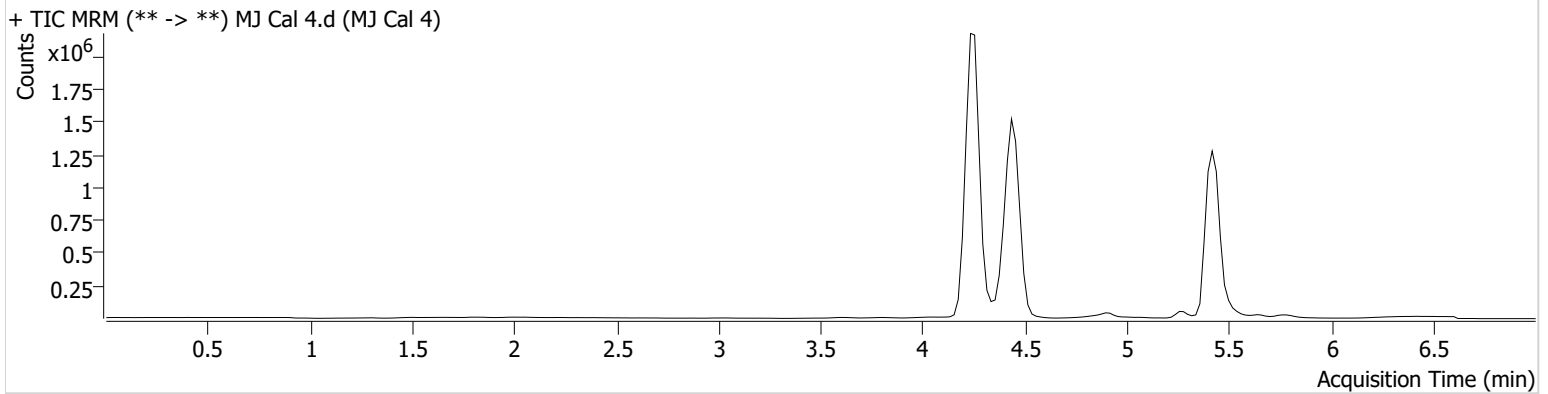
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 12/6/2023 2:57:33 PM
Sample Info.

Data File MJ Cal 4.d
Sample MJ Cal 4
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	5.449	39165	∞	68.1 Low	∞	495577	10.4446 ng/ml
THC-COOH	4.456	1772156	∞	165.2	∞	2833592	50.1222 ng/ml
THC-OH	4.262	164505	∞	815.6	∞	8644763	9.5258 ng/ml

AM #26 Cannabinoids Screen Results



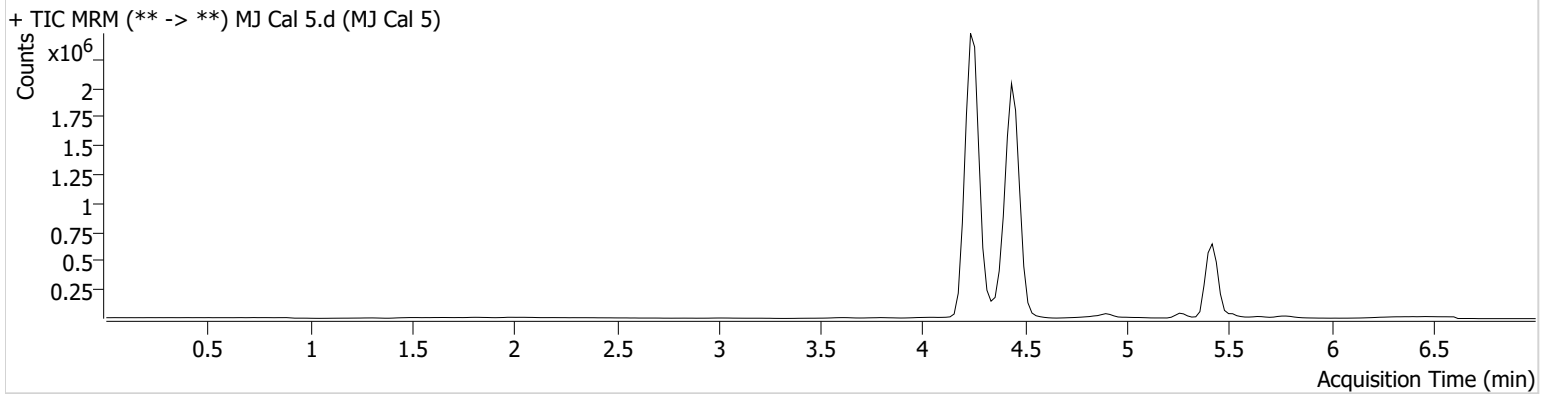
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 12/6/2023 3:05:07 PM
Sample Info.

Data File MJ Cal 5.d
Sample MJ Cal 5
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	5.409	47684	∞	38.7 Low	∞	255499	24.4008 ng/ml
THC-COOH	4.436	2709537	∞	163.9	∞	2772731	78.5197 ng/ml
THC-OH	4.262	403292	∞	788.4	∞	8063303	24.6506 ng/ml

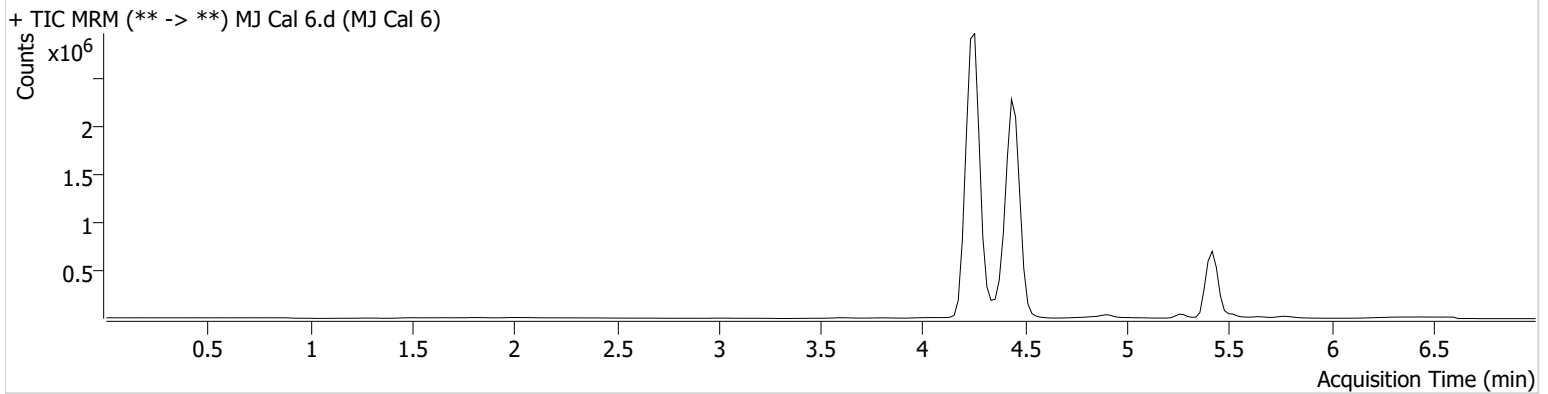
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument	Falco (069901)	Data File	MJ Cal 6.d
Type	Cal	Sample	MJ Cal 6
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-F1	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	10		
Acq. Date-Time	12/6/2023 3:12:40 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	96567	∞	31.5 Low	∞	247927	50.7123 ng/ml
THC-COOH	4.436	3156058	∞	164.2	∞	2542752	99.8290 ng/ml
THC-OH	4.262	753592	∞	786.4	∞	7426900	49.7649 ng/ml

AM #26 Cannabinoids Screen Results



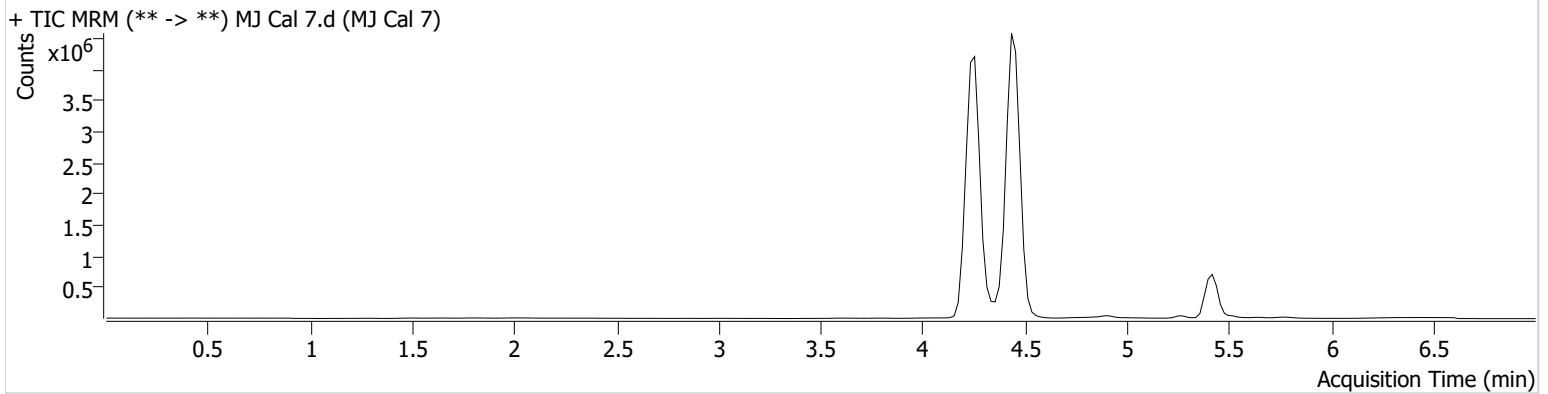
Batch results D:\MassHunter\Data\2023\AM 25 26\120623 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/13/2023 11:08:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 12/6/2023 3:20:15 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	5.409	185628	∞	28.3 Low	∞	240790	100.1819 ng/ml
THC-COOH	4.436	7278646	∞	163.6	∞	2379166	246.5895 ng/ml
THC-OH	4.262	1510193	∞	778.2	∞	7300327	101.2110 ng/ml