

REVIEWED

By Sarah Collins at 2:27 pm, Aug 20, 2024

CS

8/12/2024

Worklist: 6893

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-2739	6	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2887	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2887	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2976	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2977	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-3021	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-3023	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-3026	6	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1881	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2258	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2272	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2273	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2274	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2275	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2276	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2282	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2284	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2291	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2292	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2293	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2298	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6893

Cg

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-2320	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2330	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2406	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2407	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2416	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2427	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2428	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2436	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: 08/13/2024

Plate lot#: 240524

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 24C52816

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 11/24/2024

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: 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: Run stopped part way through due to high pressure. The pressure issue was resolved and the run was restarted. P2024-2276-1 and P2024-2330-4 were reinjected due to low ISTD responses.

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	1	2	3	4	5	6	7	8	9	10	11	12
A	CAL	M2024-2976-1	P2024-2273-1	P2024-2293-1	P2024-2428-1							
B		M2024-2977-1	P2024-2274-1	P2024-2298-1	P2024-2436-1							
C		M2024-3021-1	P2024-2275-1	P2024-2320-1								
D		M2024-3023-3	P2024-2276-1	P2024-2330-4								
E	NEG CTRL	M2024-3026-6	P2024-2282-3	P2024-2406-1								
F	M2024-2739-6	P2024-1881-2	P2024-2284-1	P2024-2407-1								
G	M2024-2887-1	P2024-2258-1	P2024-2291-1	P2024-2416-1								
H	M2024-2887-2	P2024-2272-1	P2024-2292-1	P2024-2427-2								

AM #25 Multi-Drug Screen. Results



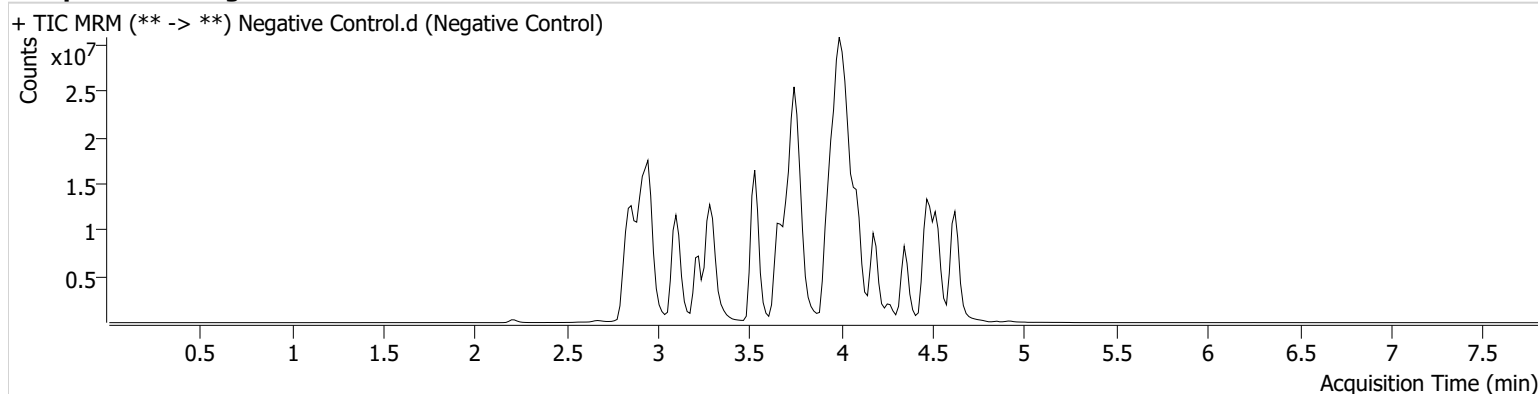
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 8/19/2024 10:14:24 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P2-E1
Injection Volume 5
Acq. Date-Time 8/13/2024 6:25:03 PM
Sample Info.

Data File Negative Control.d
Sample Negative Control
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 #25 Multi-Drug Screen. Results



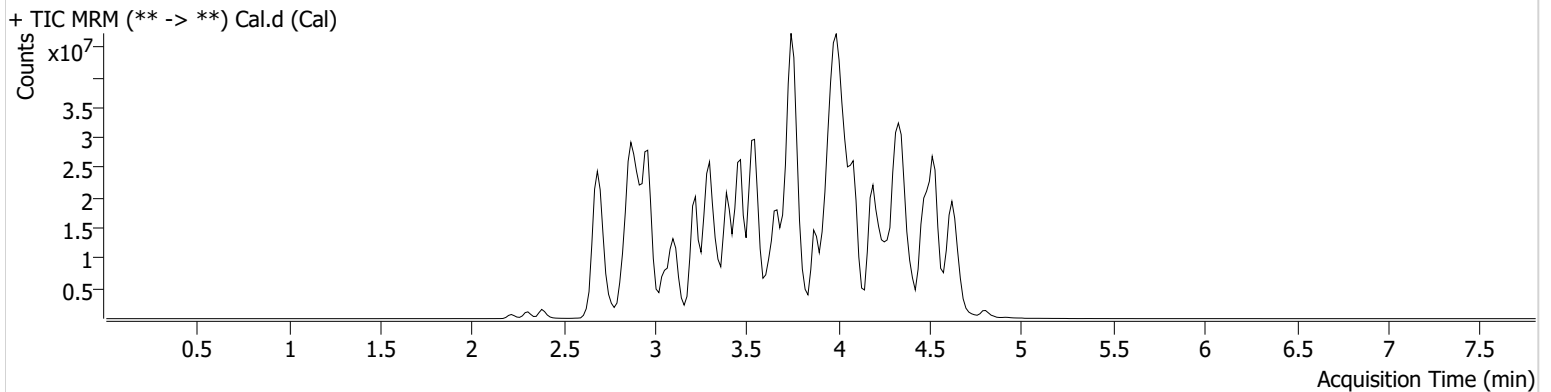
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 8/19/2024 10:14:24 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 25 MDS.m
Sample Position P2-A1
Injection Volume 5
Acq. Date-Time 8/13/2024 6:16:28 PM
Sample Info.

Data File Cal.d
Sample Cal
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	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.749	4482970	182.83	308.45	24647187	10.0000
6-MAM	2.836	71482	33696.04	42842.35	2522321	10.0000
7-aminoclonazepam	3.530	2471250	4824.56	213.86	10346388	10.0000
7-aminoflunitrazepam	3.761	3879366	581.36	6570.61	10346388	10.0000
9-Hydroxyrisperidone	3.754	17355304	7366441.68	269013.2	45019355	10.0000
Acetyl Fentanyl	3.711	857913	122.20	457760.7	45358483	10.0000
Acetyl Norfentanyl	2.874	860385	13241.42	421.32	45358483	10.0000
a-hydroxylprazolam	4.483	556486	195.00	213.54	10346388	10.0000
alpha-hydroxymidazolam	4.451	5224094	1036.32	827.22	10346388	10.0000
Alpha-PHP	3.750	7277291	21145.04	1588.31	45358483	10.0000
alpha-PVP	3.474	11621776	1016.20	1042.30	21646503	10.0000
Alprazolam	4.593	5686734	1036.11	725.42	33166214	10.0000
Amitriptyline	4.350	5217525	261.20	372.05	19930230	10.0000
Amphetamine	2.863	8947776	1064.58	10626.10	21646503	10.0000
Benzoylecgonine	3.376	206833	58.70	17.09	941237	10.0000
Bromazolam	4.650	4324018	1365.72	16022.48	33166214	10.0000
Brompheniramine	3.974	303412	115252.48	1039356.	57090506	10.0000
Buprenorphine	3.985	145774	1726.60	6758.26	6189527	10.0000
Bupropion	3.673	10990518	1729.96	1127.38	33697154	10.0000
Carbamazepine	4.199	25028611	3146.17	1161.89	630295	10.0000
Carisoprodol	4.197	4059229	434720.42	664.44	22903546	10.0000
Chlordiazepoxide	4.533	2343195	1228.47	291.20	33166214	10.0000
Chlorpheniramine	3.886	17605554	83590.57	1430.46	27717511	10.0000
Chlorpromazine	4.530	5857349	2335440.03	1138.06	26567467	10.0000
Citalopram	4.005	7559757	705.95	348.81	57090506	10.0000
Clomipramine	4.531	9025899	3393190.93	13538.88	57090506	10.0000
Clonazepam	4.407	4779937	719.47	2470.19	630295	10.0000
Clonazolam	4.342	3164412	1201393.21	720405.8	33166214	10.0000
Clozapine	4.081	10594277	854.85	4429.54	32859231	10.0000

Cal

Generated at 11:20 AM on 8/20/2024

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cocaethylene	3.743	9370536	4262505.10	9569.54	38229683	10.0000
Cocaine	3.528	11401557	4189.93	709.26	38229683	10.0000
Codeine	2.732	943601	296836.07	24365.86	18672251	10.0000
Cyclobenzaprine	4.273	9595684	2383.83	234.55	19930230	10.0000
Desipramine	4.305	15988263	5537.70	648.95	19930230	10.0000
Dextromethorphan	4.010	5967938	685.89	649.71	27717511	10.0000
Dextrorphan	3.347	7697073	1067.52	1467984.10	27717511	10.0000
Diazepam	4.811	1975304	686.14	842.71	33166214	10.0000
Dihydrocodeine	2.701	2195452	5984.35	4924.64	18672251	10.0000
Diphenhydramine	3.980	22792337	26215.82	22464.87	57090506	10.0000
DMT	2.937	1075889	5108.25	1880.93	27717511	10.0000
Doxepin	4.071	5967429	961.86	260.95	34942635	10.0000
Doxylamine	3.562	17930800	55159.05	727.60	27717511	10.0000
Duloxetine	4.271	267540	197676.02	24641.66	3363970	10.0000
EDDP	4.040	1026641	1057.64	63.15	5324801	10.0000
Estazolam	4.502	11019352	723.98	2585.73	33166214	10.0000
Etizolam	4.604	563778	632436.40	1128830.17	33166214	10.0000
Fentanyl	3.927	843729	453.15	54815.02	37574556	10.0000
Flualprazolam	4.452	2379230	1137398.71	827430.96	33166214	10.0000
Flunitrazepam	4.516	5945077	9363.49	5327.72	33166214	10.0000
Fluorofentanyl	3.956	1337491	696145.76	695.12	37574556	10.0000
Fluoxetine	4.270	9314802	3765.73	299.25	13826063	10.0000
Flurazepam	4.048	8696406	2994.10	474.34	33166214	10.0000
Gabapentin	2.632	26951	201.25	98.52	32859231	10.0000
Hydrocodone	2.916	3585938	2091.45	3793.99	18672251	10.0000
Hydromorphone	2.383	2320703	628.54	909.93	18672251	10.0000
Hydroxyzine	4.372	8580516	2564.28	882.47	32859231	10.0000
Imipramine	4.319	17546066	2112.63	1262.25	19930230	10.0000
Ketamine	3.303	9236860	2315.32	617.74	25373607	10.0000
Lamotrigine	3.456	6612637	95572.29	4467.34	57090506	10.0000
Levamisole	2.890	6877805	3538.82	1173.81	38229683	10.0000
Levetiracetam	2.648	3381992	1408.60	2227.22	57090506	10.0000
Lorazepam	4.407	1299156	328.06	296.98	33166214	10.0000
Maprotiline	4.350	3983572	112.12	30580.34	19930230	10.0000
MDA	2.983	8303606	985.49	656.01	41811635	10.0000
MDEA	3.213	11042972	2491.80	1901.11	41811635	10.0000
MDMA	3.059	13077757	1450.68	1942.37	41811635	10.0000
Meperidine	3.533	5386799	775.99	334.55	27717511	10.0000
Meprobamate	3.644	1822550	1622.34	660.37	22903546	10.0000
Methadone	4.331	16519281	59886.45	918.71	5324801	10.0000
Methamphetamine	2.970	27018179	1380.02	1331.38	41811635	10.0000
Methocarbamol	3.549	311313	72.14	203297.06	5324801	10.0000
Methylphenidate	3.473	19046374	2739.63	783.86	37637539	10.0000
Metoprolol	3.409	1677060	729.09	2976.19	27717511	10.0000
Midazolam	4.313	1548009	650.71	1880.13	33166214	10.0000
Mirtazapine	3.624	6149419	3534.12	21767.96	27717511	10.0000
Mitragynine	4.063	1124880	143832.47	262779.60	27717511	10.0000
Morphine	2.218	573150	2083.07	440.18	809168	10.0000
Norbuprenorphine	3.769	235218	96821.61	238364.15	6189527	10.0000
Nordiazepam	4.659	4083571	1666.92	3763.20	33166214	10.0000
Norfentanyl	3.304	17091462	1344.24	1655.91	45358483	10.0000
Norhydrocodone	2.902	101295	78.47	39.74	18672251	10.0000
Norketamine	3.273	1409111	1043.54	8761.36	25373607	10.0000
Normeperidine	3.566	3883149	429.02	125.09	57090506	10.0000
Noroxycodone	2.854	2636692	∞	217.20	25373607	10.0000

Cal

Generated at 11:20 AM on 8/20/2024

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Nortriptyline	4.352	4579072	2616.28	969.19	19930230	10.0000
O-desmethyl-tramadol	2.888	17908769	15237.73	320.15	57090506	10.0000
O-desmethylvenlafaxine	3.224	3845751	1636.81	10329.13	19200262	10.0000
Olanzapine	3.174	956749	1965165.81	2735.95	630295	10.0000
Oxazepam	4.472	3983071	3255.65	281.58	24816165	10.0000
Oxycodone	2.868	5706841	794.66	649.28	25373607	10.0000
Oxymorphone	2.305	2142643	∞	3949.45	18672251	10.0000
Paroxetine	4.266	1159904	339.91	488571.57	13826063	10.0000
Phenazepam	4.604	4894283	862.50	2268.95	33166214	10.0000
Phencyclidine	3.873	13166922	1347.08	824.40	27717511	10.0000
Phentermine	3.123	4030514	175.70	71.57	37637539	10.0000
Phenytoin	4.105	1434537	727.75	382.37	630295	10.0000
Primidone	3.459	17996679	51583026.00	1999.74	630295	10.0000
Promethazine	4.241	19452997	7841567.69	5069.33	57090506	10.0000
Pseudoephedrine	2.694	65029964	1279.42	188039.00	41811635	10.0000
Quetiapine	4.171	9265720	874.22	3064.56	42994119	10.0000
Risperidone	3.939	15925598	30461.07	1030.50	45019355	10.0000
Sertraline	4.486	2652327	1253659.48	3361.45	13826063	10.0000
Sufentanil	4.171	651971	62467.54	338.24	45358483	10.0000
Tapentadol	3.413	13606352	1765.56	46236.01	25373607	10.0000
Temazepam	4.625	9030848	1397.99	827.33	33166214	10.0000
Topiramate	3.818	1469504	544238.97	345617.96	650867	10.0000
Tramadol	3.393	37587338	∞	159.72	57090506	10.0000
Trazodone	3.987	11031545	1845.07	2893.49	34942635	10.0000
Venlafaxine	3.762	15856330	1758.17	442.12	19200262	10.0000
Xylazine	3.335	5599846	1502.64	659.48	25373607	10.0000
Zaleplon	4.317	4538970	1311699.20	12912.86	42994119	10.0000
Zolpidem	3.728	15473542	690348.23	54716.87	42994119	10.0000
Zopiclone	3.663	57201	25631.89	23360.57	324238	10.0000

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

Extraction Date: 08/13/2024

Plate lot#: 240513

Mobile phase A: 10mM Amm Form

Blank Blood Lot: Lampire 24C52816

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 11/13/2024

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. 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.
- ☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 6. Transfer **800µL of blood+acid mixture or urine+acid** to corresponding wells of SLE+ plate.
- ☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- ☒ 8. Wait 5 minutes.
- ☒ 9. Add **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.
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:

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2024-3023-3	P2024-2276-1	P2024-2330-4	
b	cal 3 ng	NEG CTRL	M2024-3026-6	P2024-2282-3	P2024-2406-1	
c	cal 5 ng	M2024-2739-6	P2024-1881-2	P2024-2284-1	P2024-2407-1	
d	cal 10ng	M2024-2887-1	P2024-2258-1	P2024-2291-1	P2024-2416-1	
e	cal 25 ng	M2024-2887-2	P2024-2272-1	P2024-2292-1	P2024-2427-2	
f	cal 50 ng	M2024-2976-1	P2024-2273-1	P2024-2293-1	P2024-2428-1	
g	cal 100 ng	M2024-2977-1	P2024-2274-1	P2024-2298-1	P2024-2436-1	
h	QC 1	M2024-3021-1	P2024-2275-1	P2024-2320-1		

AM #26 Cannabinoids Screen Results



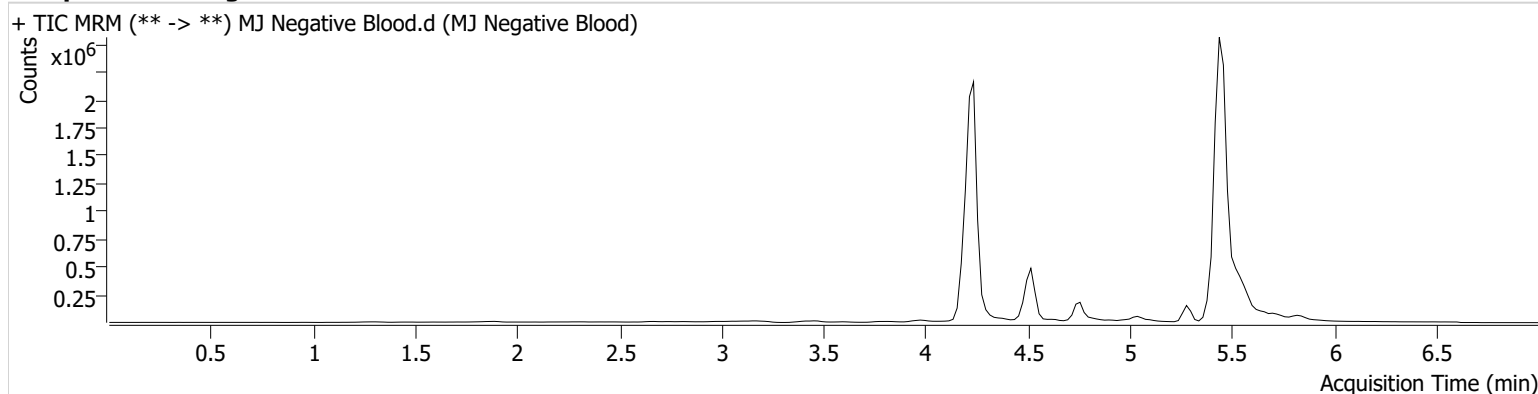
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 8/13/2024 1:54:36 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



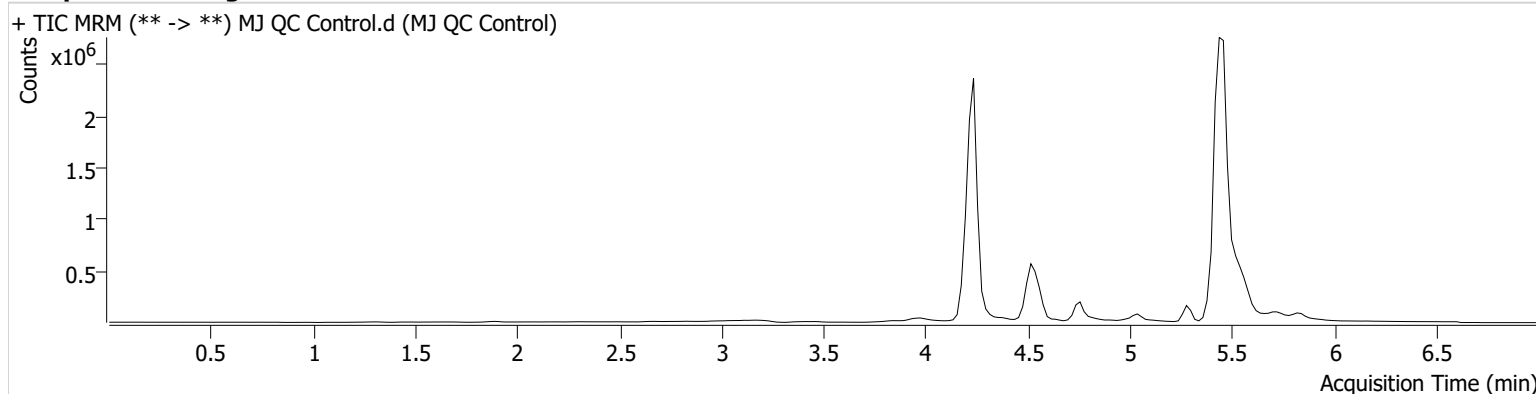
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 8/13/2024 1:39:25 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.	ISTD Resp.	Final Conc.
THC	5.409	7123	336168	4.45 ng/ml
THC-COOH	4.556	337580	1662340	14.96 ng/ml
THC-OH	4.242	69288	7890136	4.67 ng/ml

AM #26 Cannabinoids Screen Results



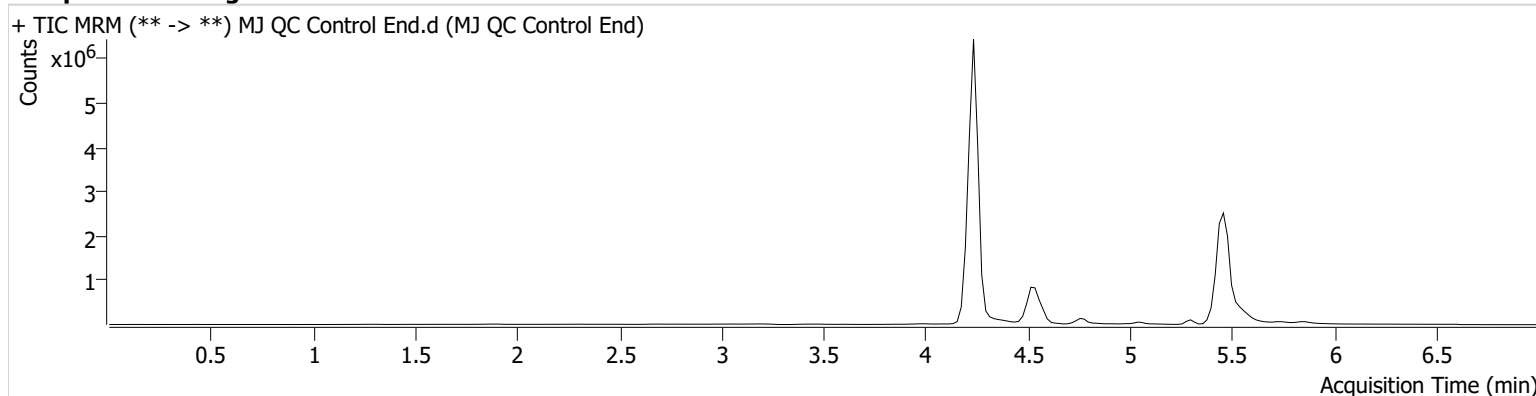
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 8/13/2024 5:41:52 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.	ISTD Resp.	Final Conc.
THC	5.409	11381	429665	5.47 ng/ml
THC-COOH	4.556	425702	2722480	11.64 ng/ml
THC-OH	4.242	164864	20542044	4.30 ng/ml

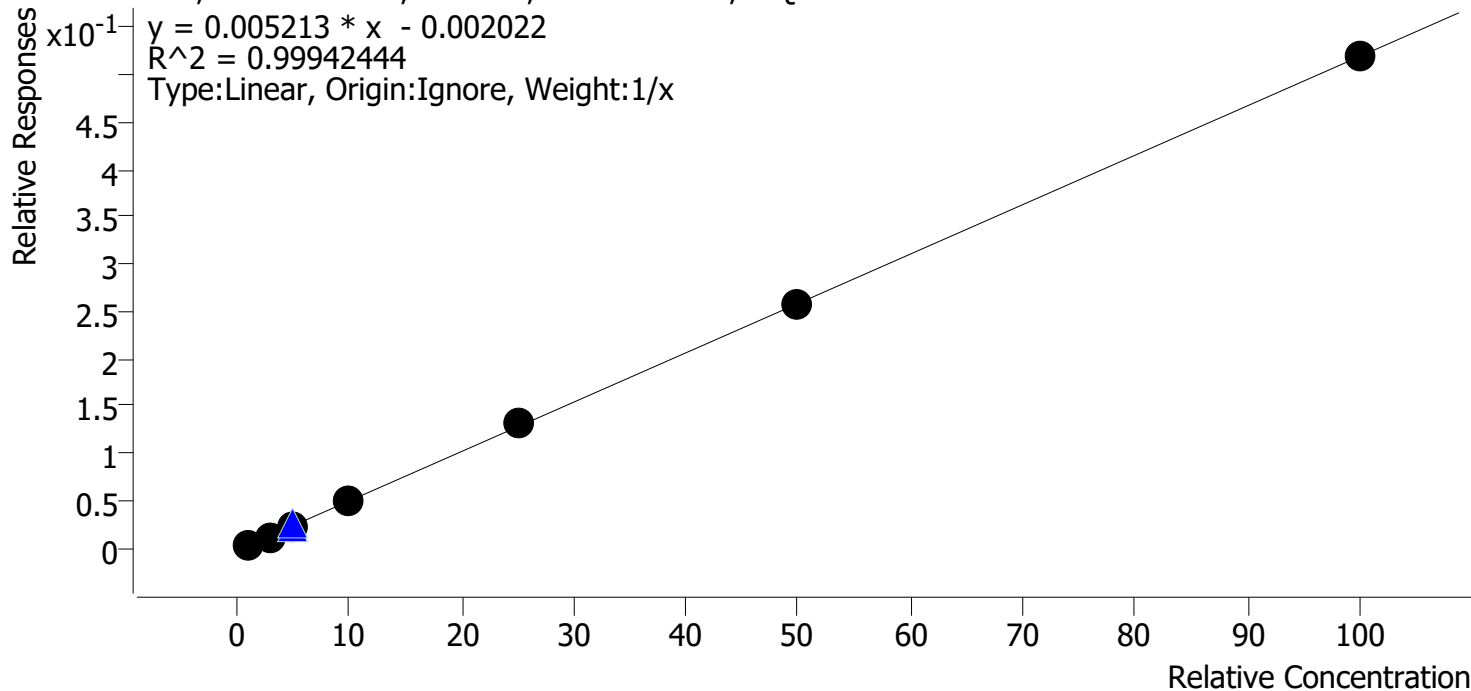
CS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
 Last Cal. Update 8/14/2024 7:42 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	114.8
MJ Cal 2	2	✓	3.0	2.8	91.7
MJ Cal 3	3	✓	5.0	4.7	93.4
MJ Cal 4	4	✓	10.0	9.7	97.1
MJ Cal 5	5	✓	25.0	25.7	103.0
MJ Cal 6	6	✓	50.0	50.0	100.1
MJ Cal 7	7	✓	100.0	99.9	99.9



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results

D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin

Last Cal. Update

8/14/2024 7:42 AM

Analyst Name

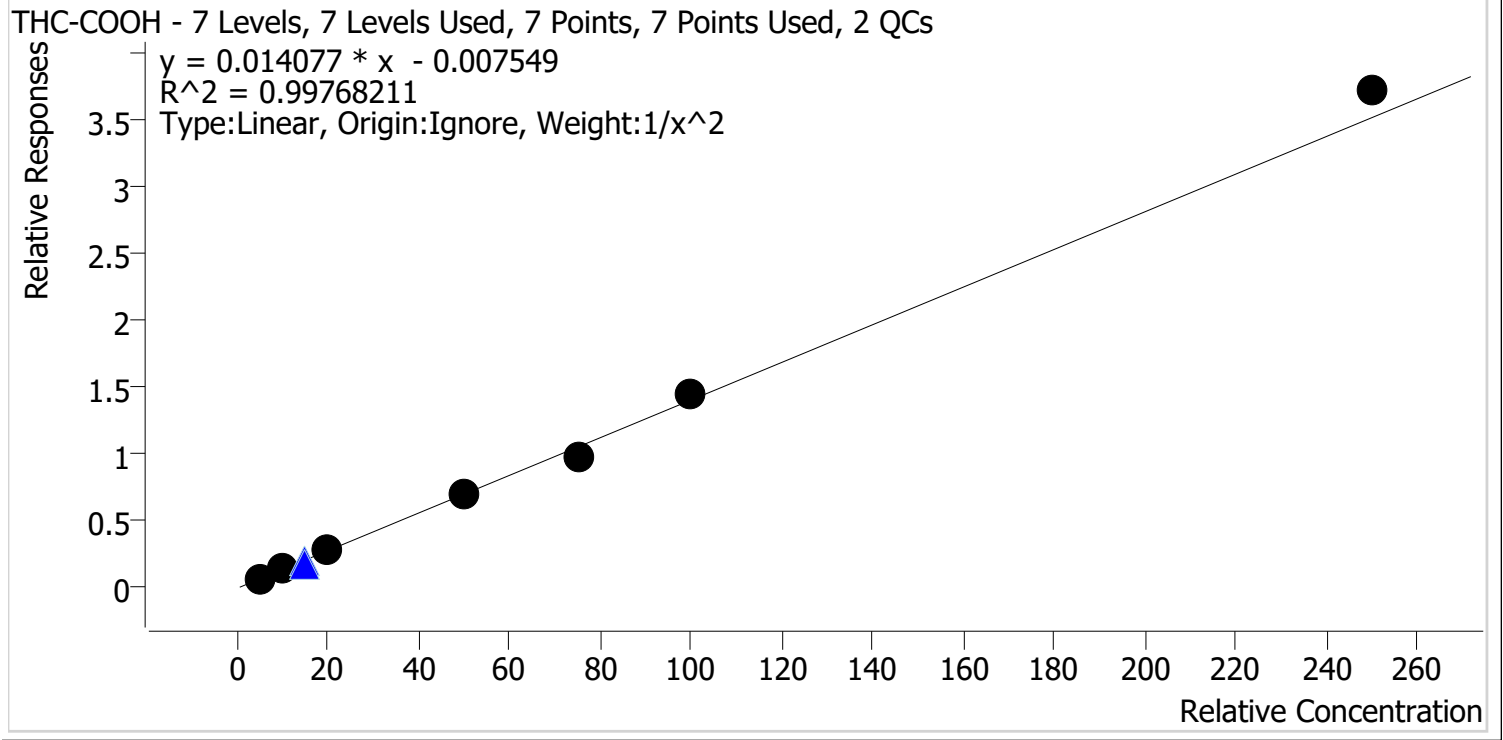
ISP\Datastor

Analyte

THC-COOH

Internal Standard

THC-COOH-D9



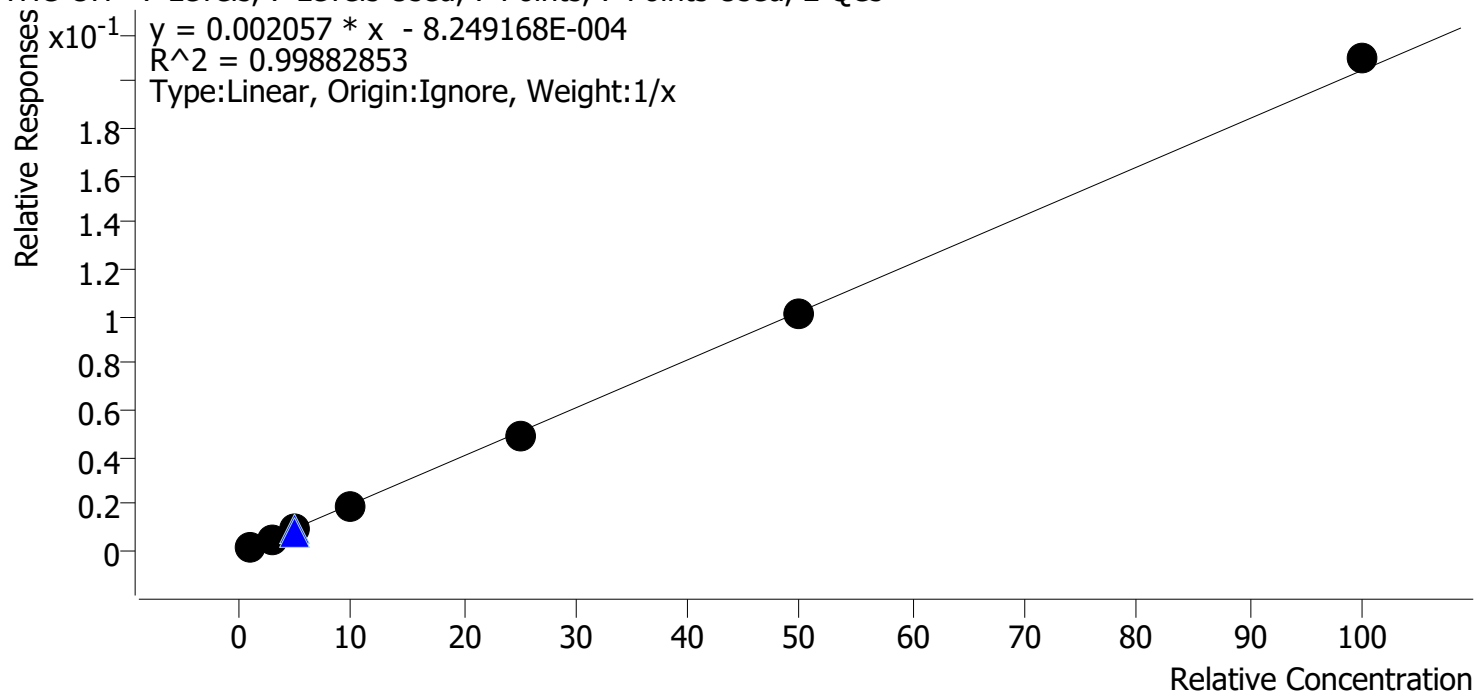
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.1	101.3
MJ Cal 2	2	✓	10.0	9.8	98.3
MJ Cal 3	3	✓	20.0	19.9	99.3
MJ Cal 4	4	✓	50.0	50.1	100.2
MJ Cal 5	5	✓	75.0	69.7	92.9
MJ Cal 6	6	✓	100.0	102.4	102.4
MJ Cal 7	7	✓	250.0	264.3	105.7



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 8/14/2024 7:42 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, 2 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.2	119.7
MJ Cal 2	2	✓	3.0	2.8	94.5
MJ Cal 3	3	✓	5.0	4.7	93.2
MJ Cal 4	4	✓	10.0	9.5	95.0
MJ Cal 5	5	✓	25.0	24.2	96.9
MJ Cal 6	6	✓	50.0	49.2	98.3
MJ Cal 7	7	✓	100.0	102.4	102.4

AM #26 Cannabinoids Screen Results



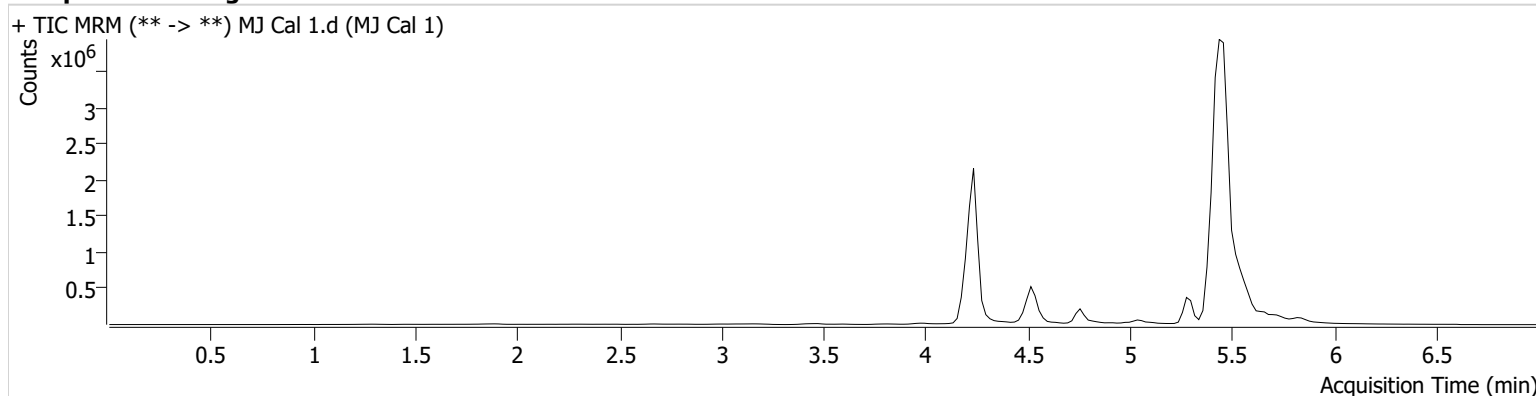
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 8/13/2024 12:46:19 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.	ISTD Resp.	Final Conc.
THC	5.409	5034	1270711	1.15 ng/ml Low
THC-COOH	4.556	113045	1773916	5.06 ng/ml
THC-OH	4.242	12782	7811524	1.20 ng/ml Low

AM #26 Cannabinoids Screen Results



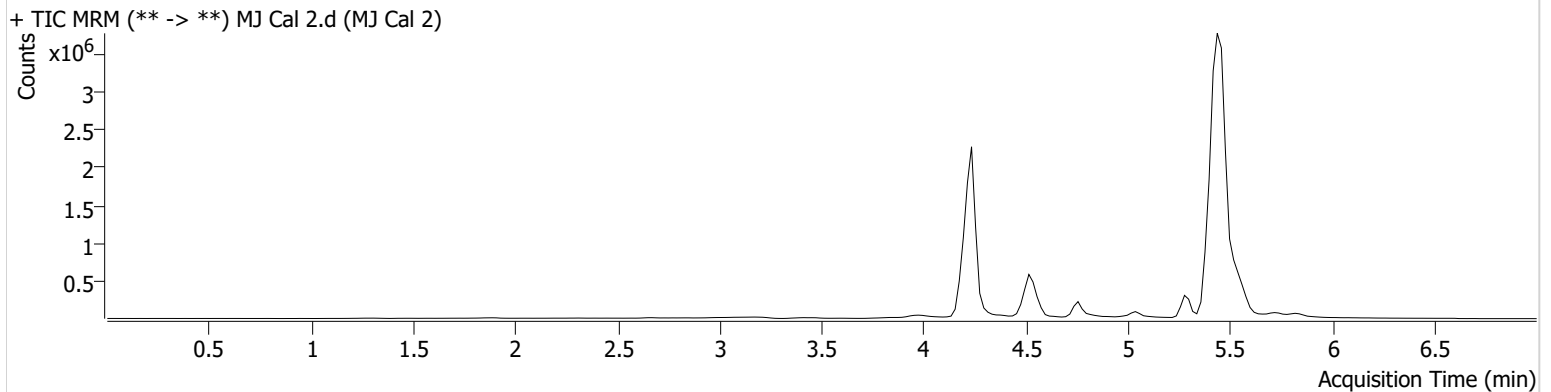
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 8/13/2024 12:53:59 PM
Sample Info.

Data File MJ Cal 2.d
Sample MJ Cal 2
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.389	18902	1534683	2.75 ng/ml Low
THC-COOH	4.556	243454	1861425	9.83 ng/ml
THC-OH	4.242	41286	8246314	2.84 ng/ml Low

AM #26 Cannabinoids Screen Results



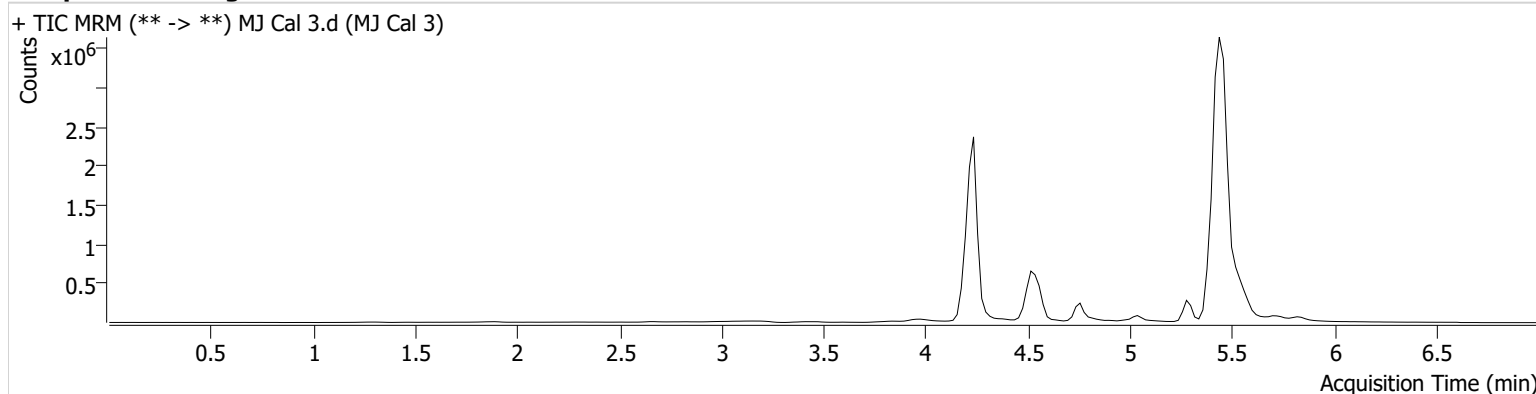
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 8/13/2024 1:01:33 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.	ISTD Resp.	Final Conc.
THC	5.409	24899	1115940	4.67 ng/ml
THC-COOH	4.556	497468	1829484	19.85 ng/ml
THC-OH	4.242	71243	8131855	4.66 ng/ml

AM #26 Cannabinoids Screen Results



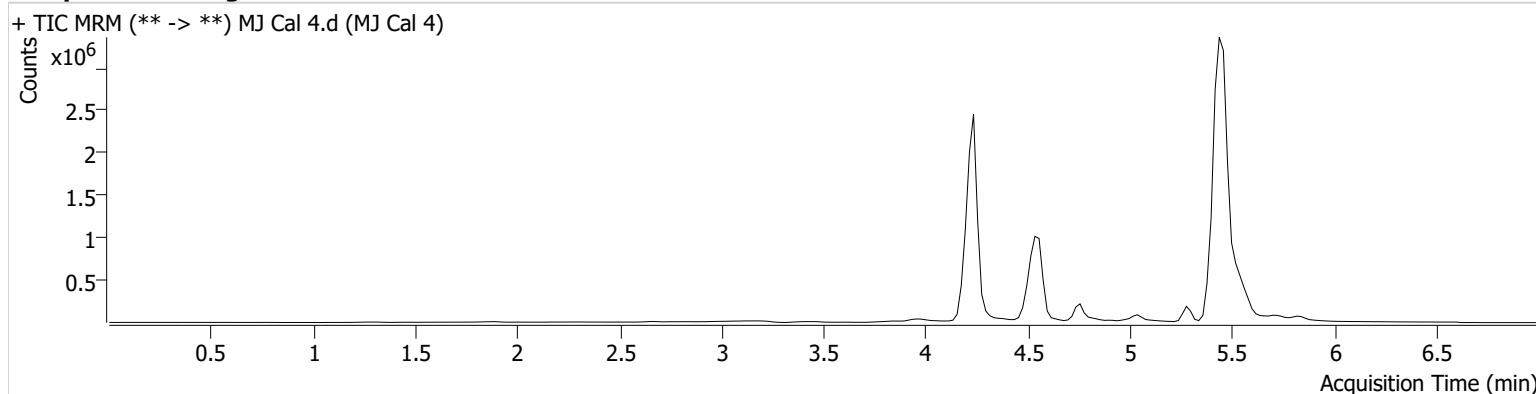
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 8/13/2024 1:09:07 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.	ISTD Resp.	Final Conc.
THC	5.409	36729	755448	9.71 ng/ml
THC-COOH	4.556	1182723	1695472	50.09 ng/ml
THC-OH	4.242	145133	7755788	9.50 ng/ml

AM #26 Cannabinoids Screen Results



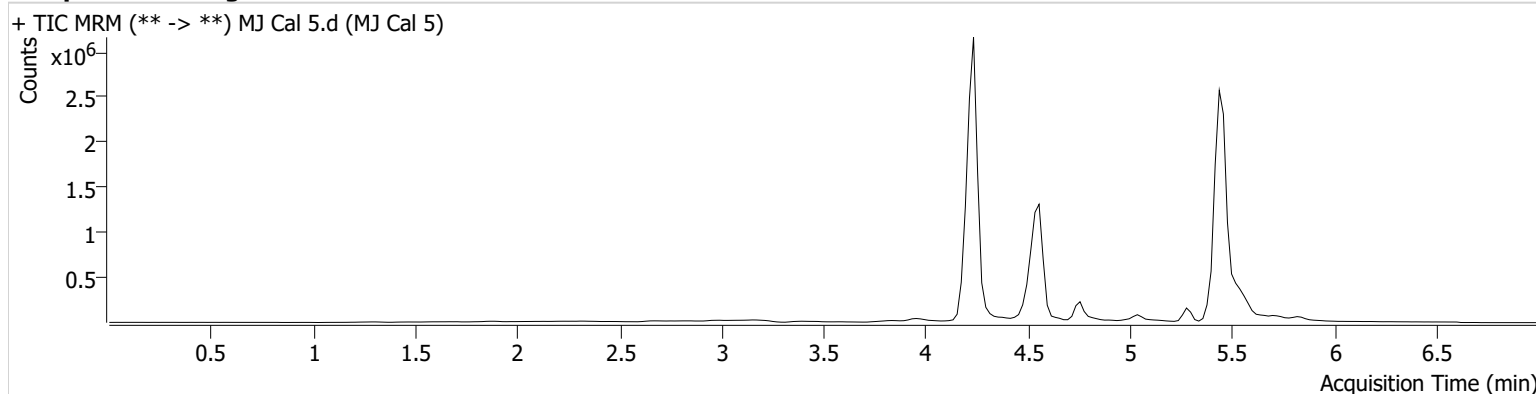
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 8/13/2024 1:16:42 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.	ISTD Resp.	Final Conc.
THC	5.409	47626	360290	25.75 ng/ml
THC-COOH	4.556	1603079	1646867	69.69 ng/ml
THC-OH	4.242	390845	7979205	24.22 ng/ml

AM #26 Cannabinoids Screen Results



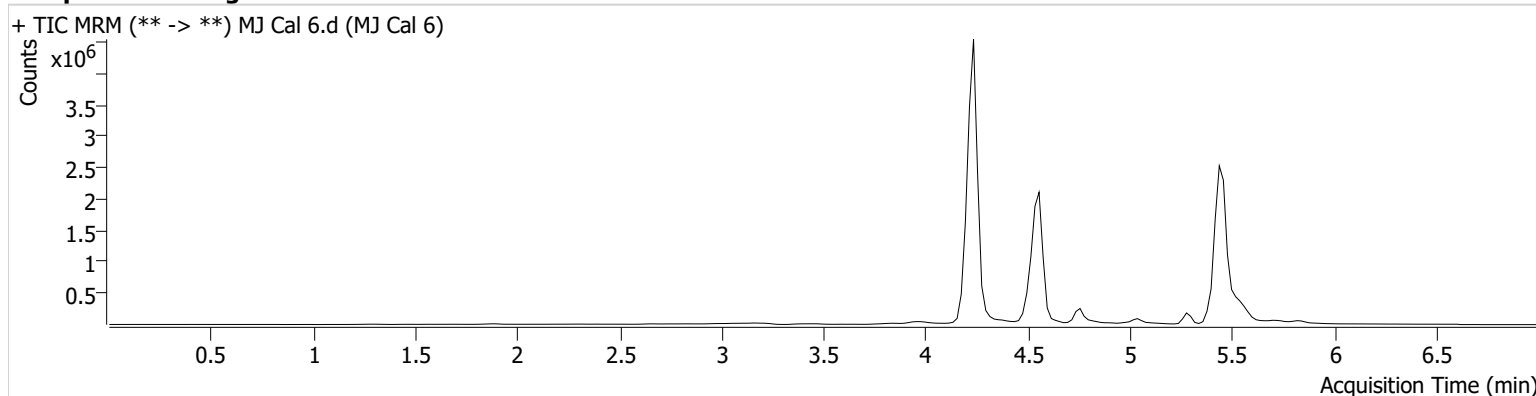
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 8/13/2024 1:24:16 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.	ISTD Resp.	Final Conc.
THC	5.409	108482	419078	50.05 ng/ml
THC-COOH	4.556	2543011	1774003	102.37 ng/ml
THC-OH	4.242	840743	8384015	49.16 ng/ml

AM #26 Cannabinoids Screen Results



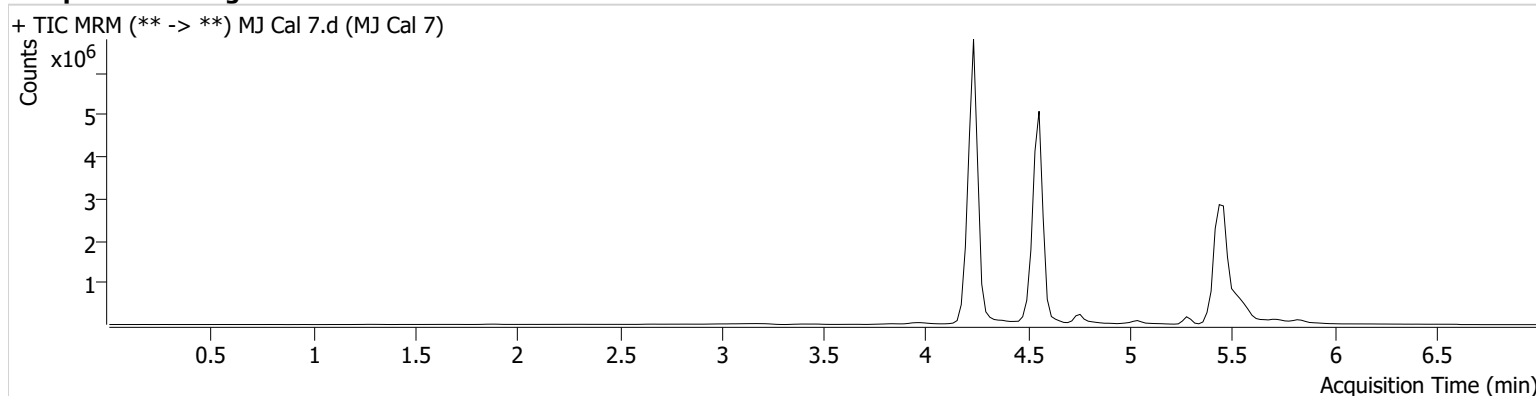
Batch results D:\MassHunter\Data\2024\AM 25 26\081324 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 8/14/2024 7:42:39 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 8/13/2024 1:31:50 PM
Sample Info.

Data File MJ Cal 7.d
Sample MJ Cal 7
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	179185	345345	99.92 ng/ml
THC-COOH	4.556	6243824	1681651	264.30 ng/ml
THC-OH	4.242	1631848	7776045	102.43 ng/ml