











Worklist: 6721

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-5408	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-0491	11	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-0512	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-0660	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-0677	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-0778	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-0783	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0387	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0456	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0458	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0490	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0509	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0517	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0551	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0552	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0559	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0566	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0567	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0568	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0575	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0576	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6721



<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-0577	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0578	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0586	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0587	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0589	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0629	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0672	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0675	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: 03/12/2024

Plate lot#: 231213

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 6/13/2024

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: Due to poor chromatography, the column was replaced on the instrument and the entire run was reinjected on 3/13/24.

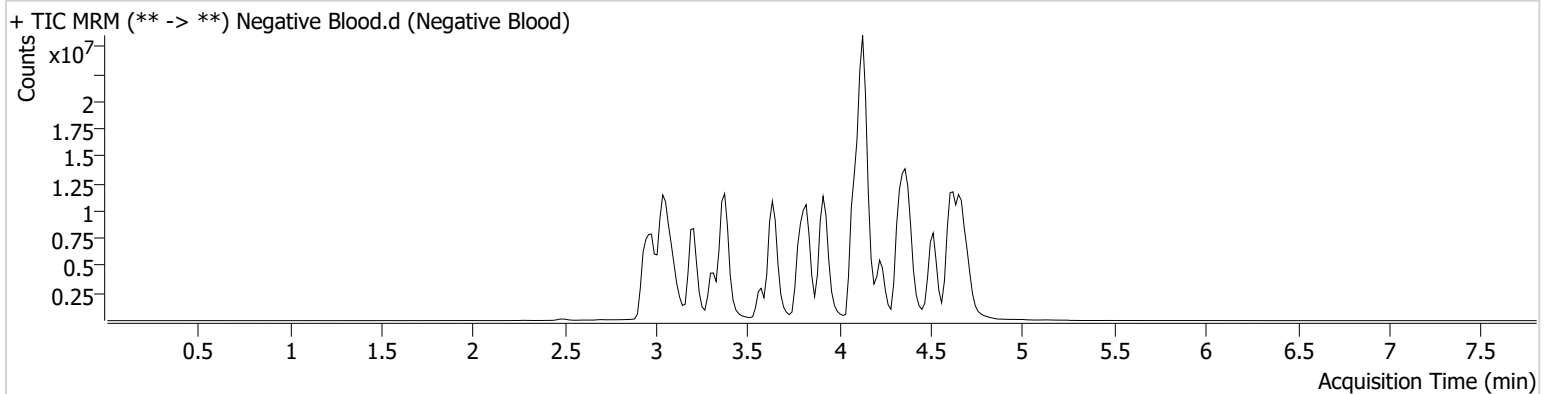
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\AM 25 Reinjects\QuantResults\AM 25.batch.bin
Calibration Last Update 3/27/2024 2:24:24 PM

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	3/13/2024 9:58:28 AM		
Sample Info.			

Sample Chromatogram



AM #25 Multi-Drug Screen. Results

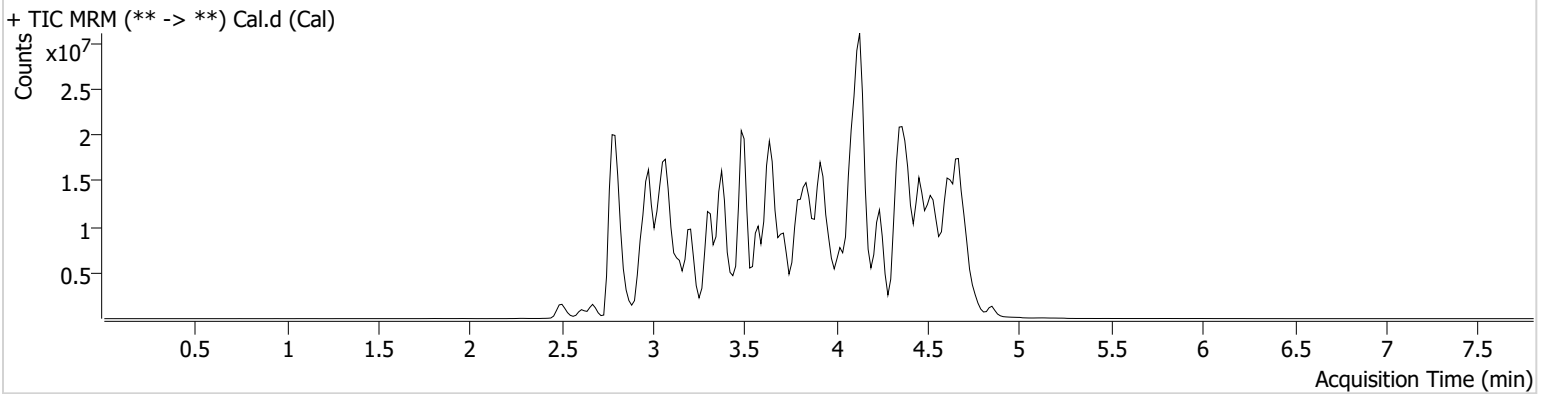


Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\AM 25 Reinjects\QuantResults\AM 25.batch.bin
Calibration Last Update 3/27/2024 2:24:24 PM

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 3/13/2024 9:49:53 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	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.795	2189599	1227.01	1802.61	21467162	10.0000
6-MAM	3.004	57616	21795.53	25784.44	2381078	10.0000
7-aminoclonazepam	3.577	1439525	14637.26	429.33	8316952	10.0000
7-aminoflunitrazepam	3.792	2236148	274.08	186.08	8316952	10.0000
9-Hydroxyrisperidone	3.923	12137633	1543.40	373825.5	39543048	10.0000
Acetyl Fentanyl	3.928	543736	270.80	123950.7	39856258	10.0000
Acetyl Norfentanyl	2.951	386015	3656.43	992.27	39856258	10.0000
a-hydroxyalprazolam	4.529	200152	77.81	45.73	8316952	10.0000
alpha-hydroxymidazolam	4.589	2115434	394.58	474.10	8316952	10.0000
Alpha-PHP	3.888	3809587	8581.62	853.76	39856258	10.0000
alpha-PVP	3.627	4587214	369.42	339.15	19593188	10.0000
Alprazolam	4.624	2075978	192.51	238.38	19687707	10.0000
Amitriptyline	4.504	2202269	280.06	62.89	10114282	10.0000
Amphetamine	2.985	3680787	1365.10	404.50	19593188	10.0000
Benzoylecgonine	3.391	107601	243.63	10.41	528750	10.0000
Bromazolam	4.681	988024	5806.72	145.26	19687707	10.0000
Brompheniramine	4.114	138447	227.85	504.43	54551030	10.0000
Buprenorphine	4.678	93246	37.77	9539.19	6193734	10.0000
Bupropion	3.842	6490668	162812.18	942.78	26530138	10.0000
Carbamazepine	4.245	11529379	3846.27	890.21	224657	10.0000
Carisoprodol	4.244	1175510	517.79	202.69	9773962	10.0000
Chlordiazepoxide	4.749	1196486	583.71	285.92	19687707	10.0000
Chlorpheniramine	4.010	10337135	9376.53	694.85	19610418	10.0000
Chlorpromazine	4.699	1582311	22093.65	386.34	9335324	10.0000
Citalopram	4.113	3691569	598.66	828.26	54551030	10.0000
Clomipramine	4.716	2796753	1301.16	1442.64	54551030	10.0000
Clonazepam	4.453	1078072	828.66	209.48	224657	10.0000
Clonazolam	4.373	1226939	229965.78	145246.3	19687707	10.0000
Clozapine	4.374	4795299	1095.74	523.19	26714941	10.0000
Cocaethylene	3.851	4784255	1806188.02	11330.13	37640653	10.0000
Cal						

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cocaine	3.636	5135858	2618.74	2364.93	37640653	10.0000
Codeine	2.916	435971	660.31	218.67	13803094	10.0000
Cyclobenzaprine	4.412	3536405	363.41	58.54	10114282	10.0000
Desipramine	4.444	5236560	820.83	788.94	10114282	10.0000
Dextromethorphan	4.150	2409509	171.42	174.64	19610418	10.0000
Dextrorphan	3.440	3435970	449.31	295.43	19610418	10.0000
Diazepam	4.857	1626636	365.75	358.35	19687707	10.0000
Dihydrocodeine	2.838	1336327	1801.85	166.65	13803094	10.0000
Diphenhydramine	4.089	13313095	2765.73	1177.96	54551030	10.0000
DMT	3.045	358605	113.05	515.80	19610418	10.0000
Doxepin	4.210	2813457	194.87	145.62	35692062	10.0000
Doxylamine	3.716	11903089	8747.18	10212.34	19610418	10.0000
Duloxetine	4.379	88962	16813.17	27059.38	1315435	10.0000
EDDP	4.133	313520	123.97	238.74	2263083	10.0000
Estazolam	4.533	4659506	1472.74	578.19	19687707	10.0000
Etizolam	4.620	300111	115165.83	1691.89	19687707	10.0000
Fentanyl	4.143	400005	263.64	29096.20	27722069	10.0000
Flualprazolam	4.482	938093	426542.52	6186.32	19687707	10.0000
Flunitrazepam	4.562	2448091	650.39	4695.53	19687707	10.0000
Fluorofentanyl	4.188	747847	345.32	383.22	27722069	10.0000
Fluoxetine	4.393	2780976	29078.57	59.46	3604031	10.0000
Flurazepam	4.248	4406881	443.00	172782.4	19687707	10.0000
				1		
Hydrocodone	3.114	2026190	466.35	445.76	13803094	10.0000
Hydromorphone	2.612	1525352	262.90	482.24	470457	10.0000
Hydroxyzine	4.556	4328112	1684.66	1304.60	26714941	10.0000
Imipramine	4.473	8436543	926.94	35.04	10114282	10.0000
Ketamine	3.627	4042167	1041.47	147.02	19471600	10.0000
Lamotrigine	3.640	3695557	2678.68	1775.33	54551030	10.0000
Levamisole	3.074	4146061	40655.69	148.57	37640653	10.0000
Levetiracetam	2.678	2784728	734.24	1007.85	54551030	10.0000
Lorazepam	4.453	393517	160.58	∞	19687707	10.0000
Maprotiline	4.504	1775999	60.19	70.53	10114282	10.0000
MDA	3.075	3517171	479.72	813.65	39215257	10.0000
MDEA	3.290	6619544	368.56	376.38	39215257	10.0000
MDMA	3.152	8165808	16473.67	∞	39215257	10.0000
Meperidine	3.672	3949148	518.42	538.50	19610418	10.0000
Meprobamate	3.690	1134517	130.93	114.14	9773962	10.0000
Methadone	4.454	9930783	351.75	478.07	2263083	10.0000
Methamphetamine	3.077	9075073	5639.74	167.67	39215257	10.0000
Methocarbamol	3.595	596433	90.42	699.62	2263083	10.0000
Methylphenidate	3.581	14468824	742.18	784.96	26962691	10.0000
Metoprolol	3.485	1108323	409.76	358.38	19610418	10.0000
Midazolam	4.760	1015808	516.90	1528.13	19687707	10.0000
Mirtazapine	4.041	4909508	57989.17	20288.28	19610418	10.0000
Mitragynine	4.248	479870	113571.94	678611.8	19610418	10.0000
				3		
Morphine	2.506	403920	803.17	164.55	470457	10.0000
Norbuprenorphine	3.877	137576	39760.72	101388.8	6193734	10.0000
				4		
Nordiazepam	4.720	1565096	7293.99	912.99	19687707	10.0000
Norfentanyl	3.381	9260159	9092.83	77.49	39856258	10.0000
Norhydrocodone	2.993	140120	50.09	31.00	470457	10.0000
Norketamine	3.735	924969	341.54	1869.20	19471600	10.0000
Normeperidine	3.658	3509907	232.58	190.55	54551030	10.0000
Noroxycodone	2.930	2037324	∞	449.00	19471600	10.0000
Nortriptyline	4.490	1989277	413.51	290.75	10114282	10.0000
O-desmethyl-tramadol	2.979	9663051	419.95	105.40	54551030	10.0000
O-desmethylvenlafaxine	3.316	2127001	635.84	20014.19	13212848	10.0000
Olanzapine	3.913	1438808	6224.46	20367.35	224657	10.0000
Oxazepam	4.534	1738654	258.77	200.83	12483484	10.0000

Cal

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Oxycodone	3.005	3786398	248.16	321.94	19471600	10.0000
Oxymorphone	2.504	3108090	806.82	5440.79	470457	10.0000
Paroxetine	4.390	569384	306.71	140644.0 6	3604031	10.0000
Phenazepam	4.650	1992289	341.09	692530.0 9	19687707	10.0000
Phencyclidine	3.966	8330139	1055.84	498.49	19610418	10.0000
Phentermine	3.231	2359607	402.00	29.20	26962691	10.0000
Phenytoin	4.152	409508	262.79	68.94	224657	10.0000
Primidone	3.505	13620654	3073.08	1408.38	224657	10.0000
Promethazine	4.411	7656783	831.54	268.97	54551030	10.0000
Pseudoephedrine	2.801	63358080	1270.43	2325.21	39215257	10.0000
Quetiapine	4.541	6439206	4754.85	5105.36	42414037	10.0000
Risperidone	4.124	7527283	5003.09	199.11	39543048	10.0000
Sertraline	4.625	700147	150498.05	259.47	3604031	10.0000
Sufentanil	4.495	328111	80168.40	208.75	39856258	10.0000
Tapentadol	3.505	7722671	482.23	583.48	19471600	10.0000
Temazepam	4.672	3991579	439.41	186.48	19687707	10.0000
Topiramate	3.880	675967	2341.49	∞	342428	10.0000
Tramadol	3.486	23582110	519.31	51.58	54551030	10.0000
Trazodone	4.649	8479676	1153.06	344471.0 7	35692062	10.0000
Venlafaxine	3.870	9195277	844.28	108.48	13212848	10.0000
Xylazine	3.459	3752342	12565.79	125.94	19471600	10.0000
Zaleplon	4.348	2480800	382.38	439.28	42414037	10.0000
Zolpidem	4.347	12947543	23464.01	1113.93	42414037	10.0000
Zopiclone	4.233	420292	146192.18	57355.66	2257497	10.0000

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

Extraction Date: 03/12/2024

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: #K2676**
- 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: Due to poor chromatography, the column was replaced on the instrument and the entire run was reinjected on 3/13/24.

An incorrect well position was specified for P2024-0577-1, so it was not injected until 3/28/24. Since the column had been changed after the first injection, calibrator 7 and the negative control were also reinjected. P2024-0567-1 was also reinjected due to decreased ISTD responses in the original injection. Due to shifting ISTD retention times, this sample is being evaluated for c-THC only.

Curve limits: THC 1-50 (Cal 7 dropped due to accuracy)

2

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2024-0783-2	P2024-0552-1	P2024-0578-1	M2024-0660-3*
b	cal 3 ng	NEG CTRL	P2024-0387-1	P2024-0559-2	P2024-0586-1	P2024-0577-1*
c	cal 5 ng	M2023-5408-1	P2024-0456-1	P2024-0566-1	P2024-0587-1	
d	cal 10ng	M2024-0491-11	P2024-0458-1	P2024-0567-1	P2024-0589-1	
e	cal 25 ng	M2024-0512-1	P2024-0490-1	P2024-0568-1	P2024-0629-1	
f	cal 50 ng	M2024-0660-3*	P2024-0509-1	P2024-0575-1	P2024-0672-1	
g	cal 100 ng	M2024-0677-1*	P2024-0517-1	P2024-0576-1	P2024-0675-1	
h	QC 1	M2024-0778-2	P2024-0551-1	P2024-0577-1*	M2024-0677-1*	

*Moved during SLE portion of the extraction

AM #26 Cannabinoids Screen Results



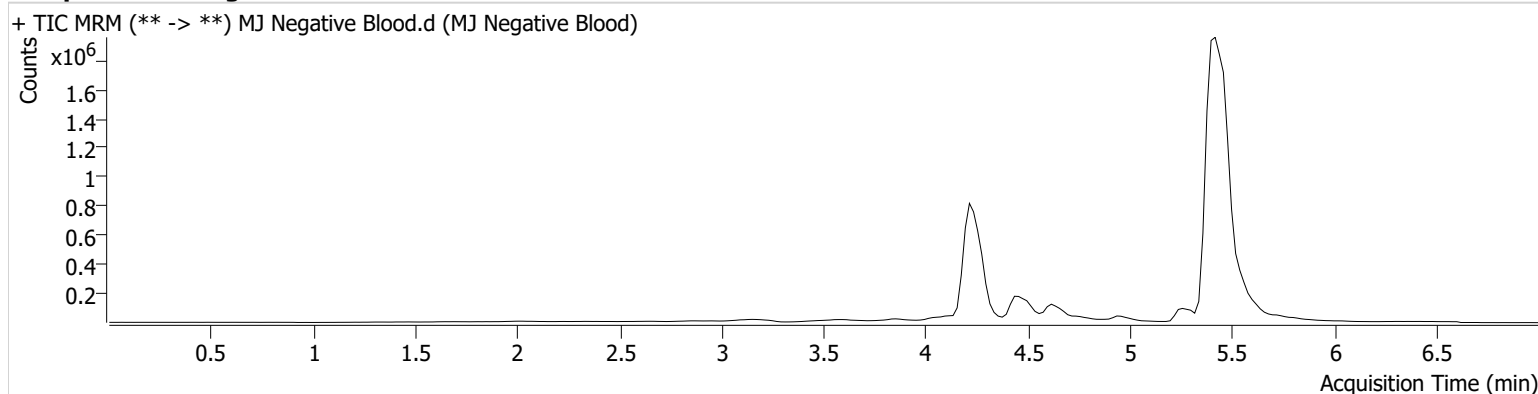
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 3/12/2024 2:46:38 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



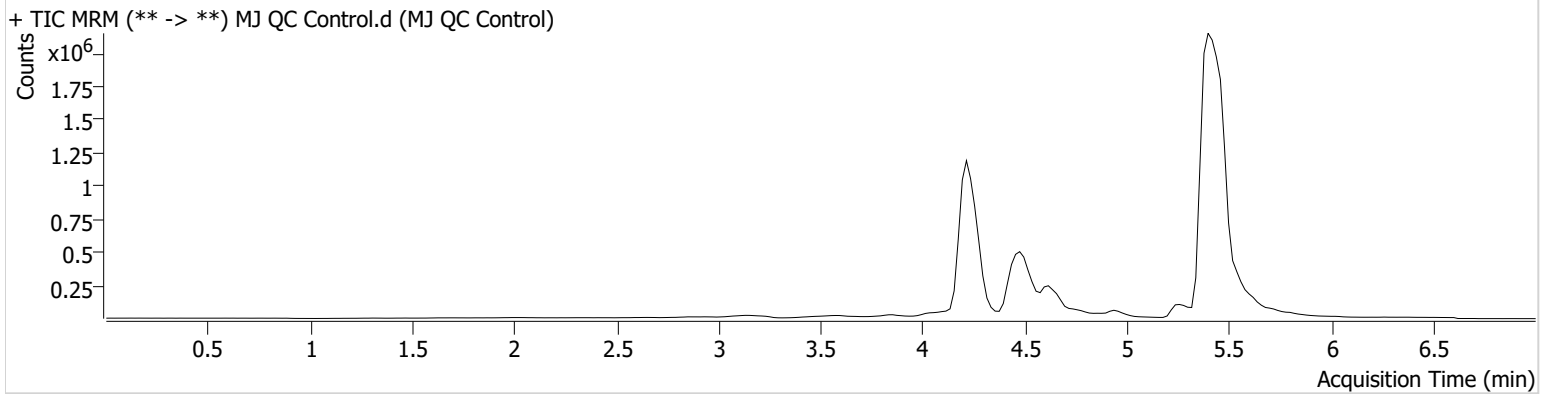
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 3/12/2024 2:31:28 PM
Sample Info.

Data File MJ QC Control.d
Sample MJ QC 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



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.369	8891	309960	5.07 ng/ml
THC-COOH	4.476	411854	2184392	14.54 ng/ml
THC-OH	4.222	64900	6357742	4.90 ng/ml

AM #26 Cannabinoids Screen Results



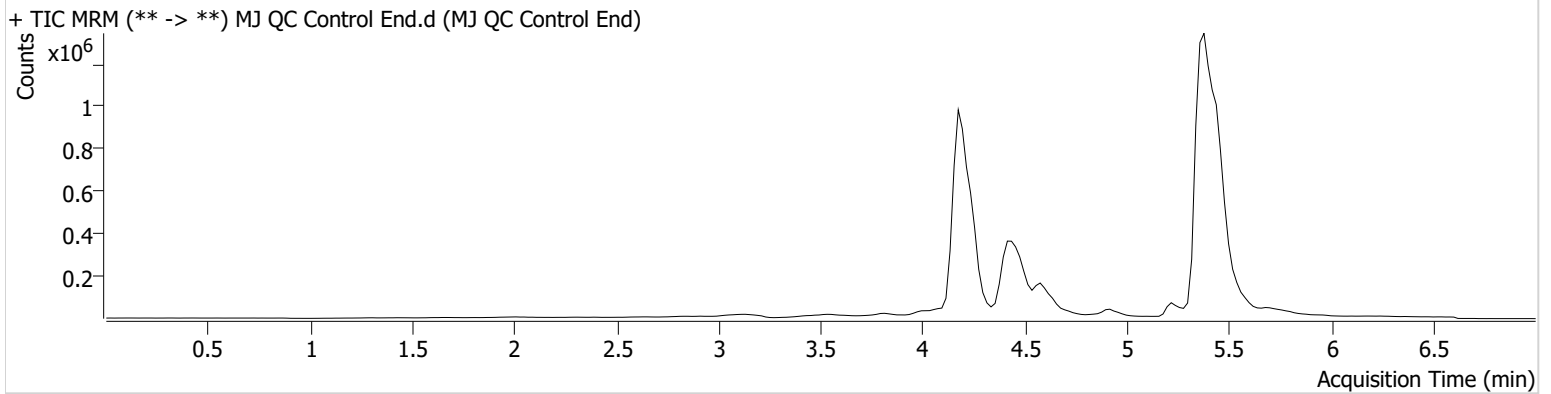
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 3/12/2024 6:33:50 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	5.329	8174	311681	4.69 ng/ml
THC-COOH	4.436	270993	1675869	12.71 ng/ml
THC-OH	4.202	56048	5385660	4.99 ng/ml

AM #26 Cannabinoids Screen Results



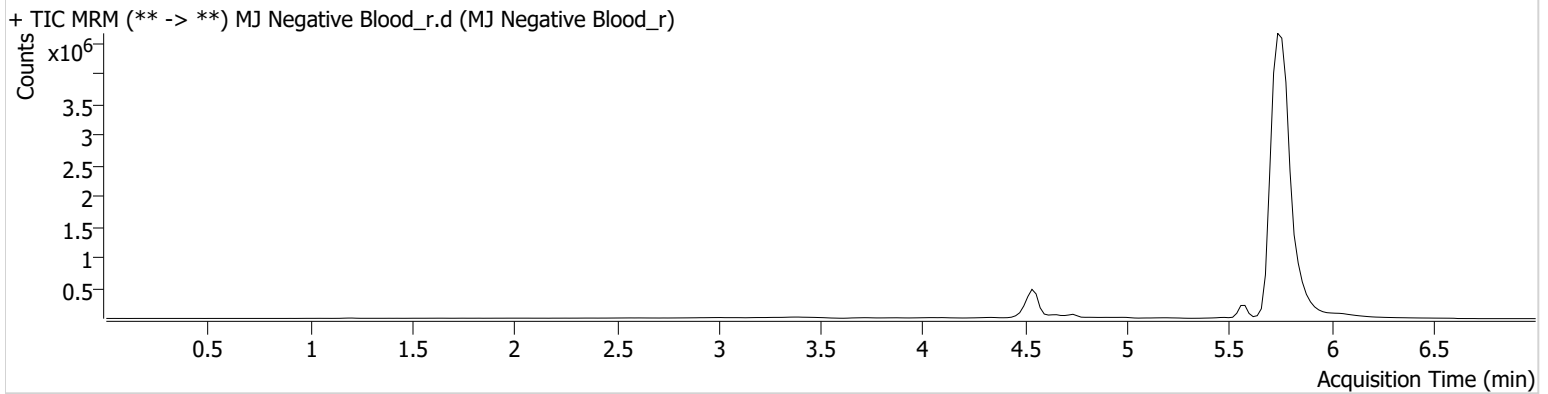
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 3/28/2024 2:21:24 PM
Sample Info.

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

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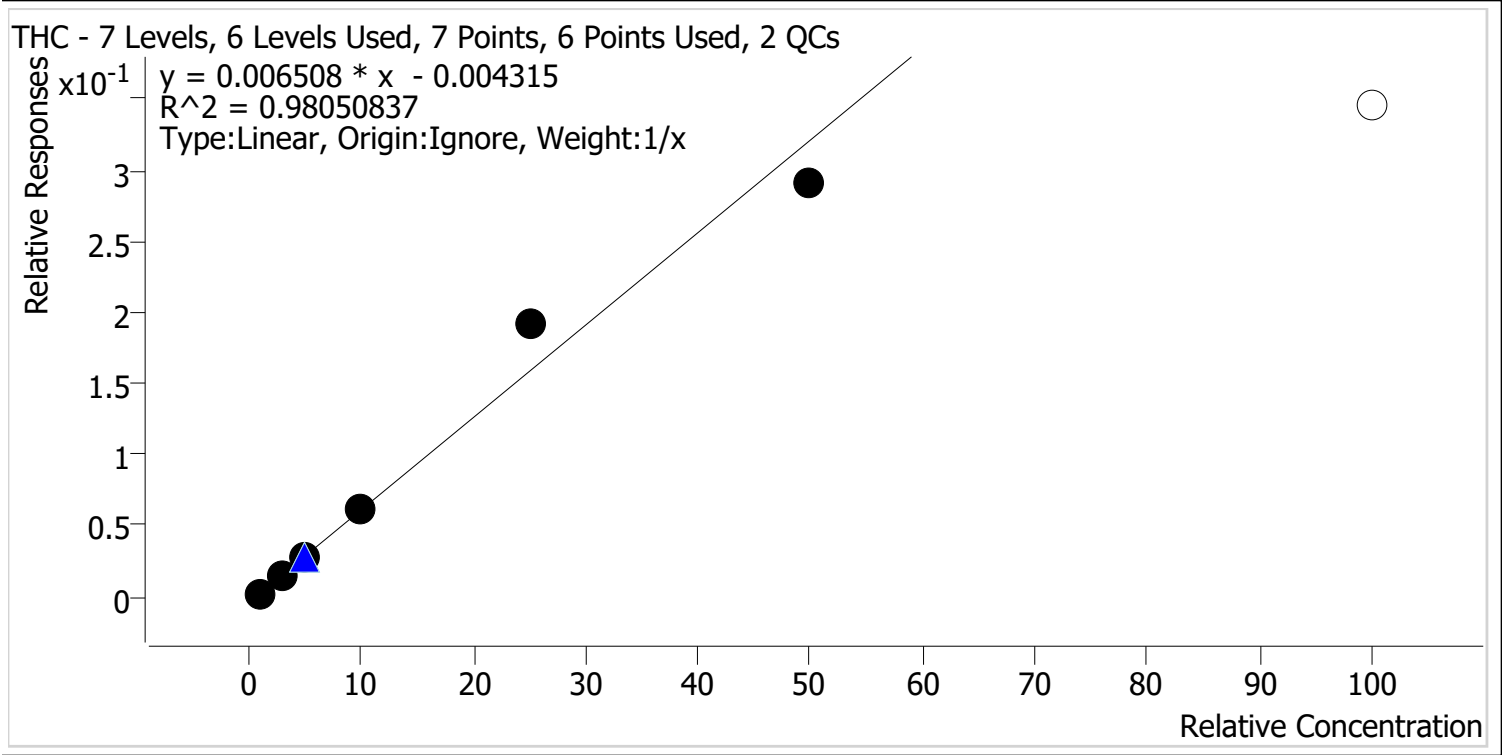
Sample Chromatogram





AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 3/29/2024 7:49 AM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3

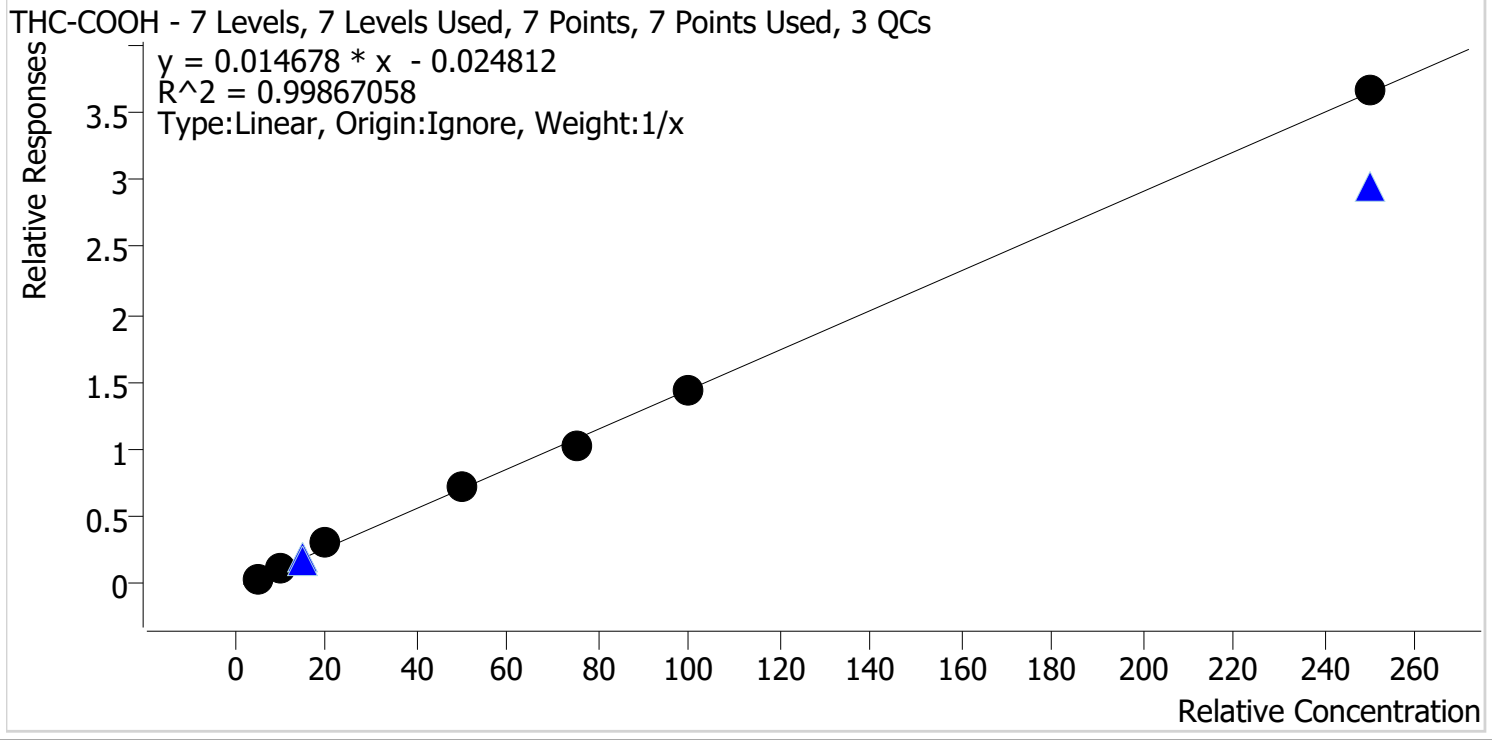


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	0.9	94.3
MJ Cal 2	2	✓	3.0	3.0	100.6
MJ Cal 3	3	✓	5.0	4.7	93.8
MJ Cal 4	4	✓	10.0	10.1	101.0
MJ Cal 5	5	✓	25.0	30.0	119.8
MJ Cal 6	6	✓	50.0	45.3	90.6
MJ Cal 7	7	x	100.0	53.7	53.7



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 3/29/2024 7:49 AM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9



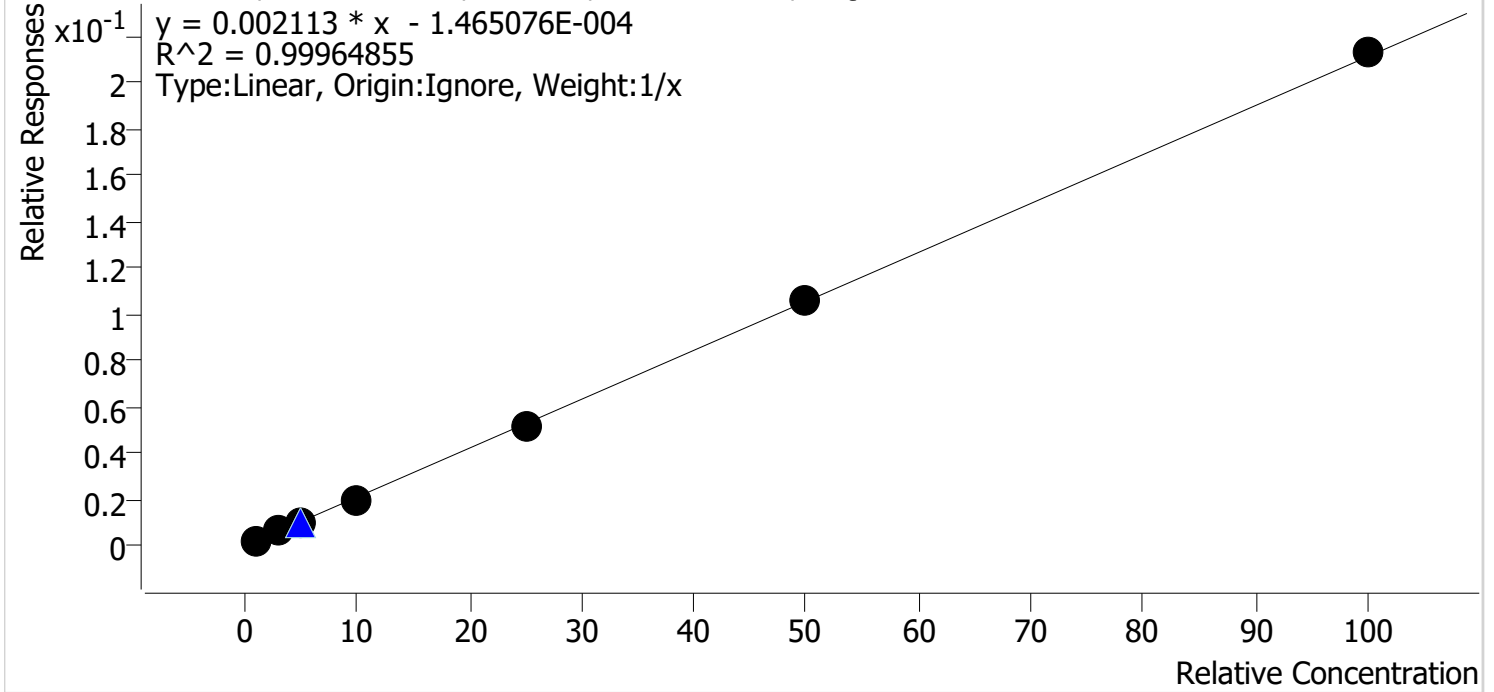
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	4.5	90.7
MJ Cal 2	2	✓	10.0	10.1	101.1
MJ Cal 3	3	✓	20.0	22.3	111.5
MJ Cal 4	4	✓	50.0	50.5	101.0
MJ Cal 5	5	✓	75.0	71.2	94.9
MJ Cal 6	6	✓	100.0	100.5	100.5
MJ Cal 7	7	✓	250.0	250.9	100.4



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 3/29/2024 7:49 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	1.1	108.8
MJ Cal 2	2	✓	3.0	3.0	98.3
MJ Cal 3	3	✓	5.0	4.9	97.8
MJ Cal 4	4	✓	10.0	9.7	96.7
MJ Cal 5	5	✓	25.0	24.2	96.8
MJ Cal 6	6	✓	50.0	50.4	100.8
MJ Cal 7	7	✓	100.0	100.8	100.8

AM #26 Cannabinoids Screen Results



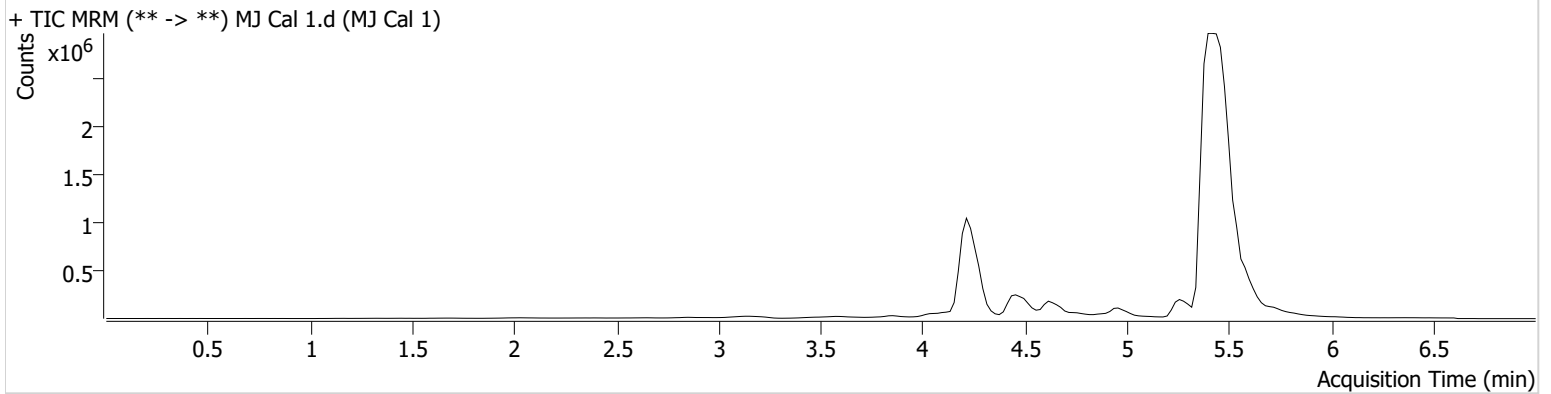
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 3/12/2024 1:36:36 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	5.369	742	407491	0.94 ng/ml Low
THC-COOH	4.476	54114	1296609	4.53 ng/ml Low
THC-OH	4.222	12717	5908384	1.09 ng/ml Low



AM #26 Cannabinoids Screen Results

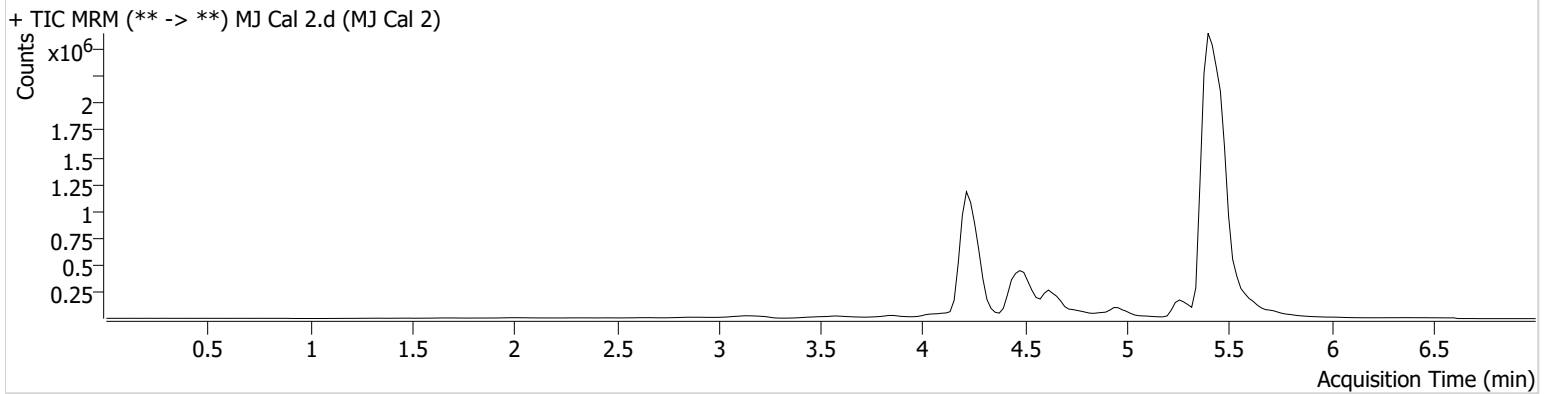
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 3/12/2024 1:44:21 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	5.369	8344	544558	3.02 ng/ml
THC-COOH	4.496	267150	2161314	10.11 ng/ml
THC-OH	4.222	39937	6559554	2.95 ng/ml Low

AM #26 Cannabinoids Screen Results



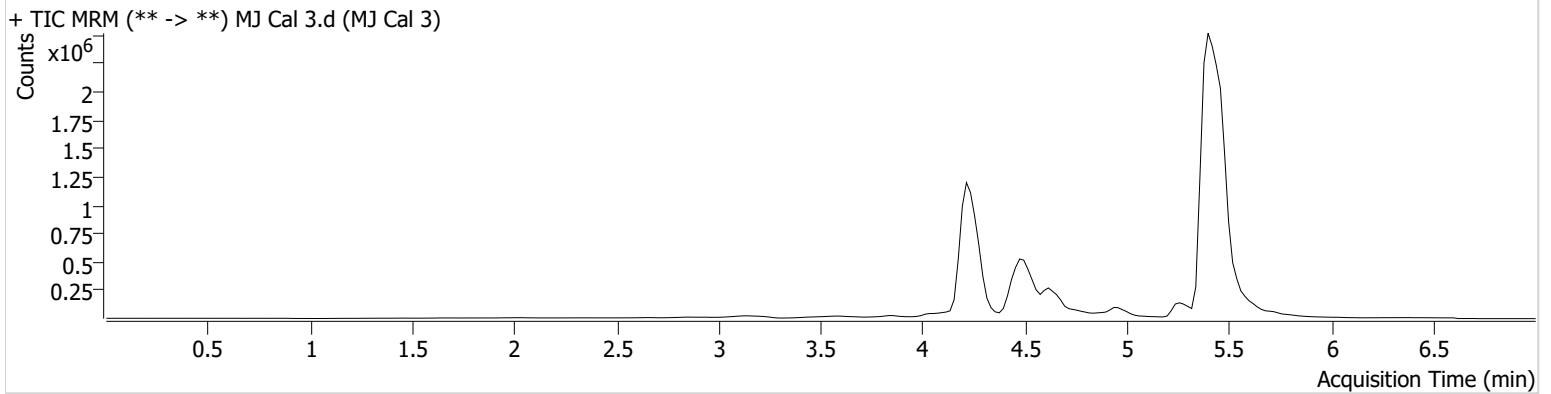
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 3/12/2024 1:51:56 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	5.369	13620	519936	4.69 ng/ml
THC-COOH	4.476	575277	1902501	22.29 ng/ml
THC-OH	4.222	66189	6496621	4.89 ng/ml

AM #26 Cannabinoids Screen Results



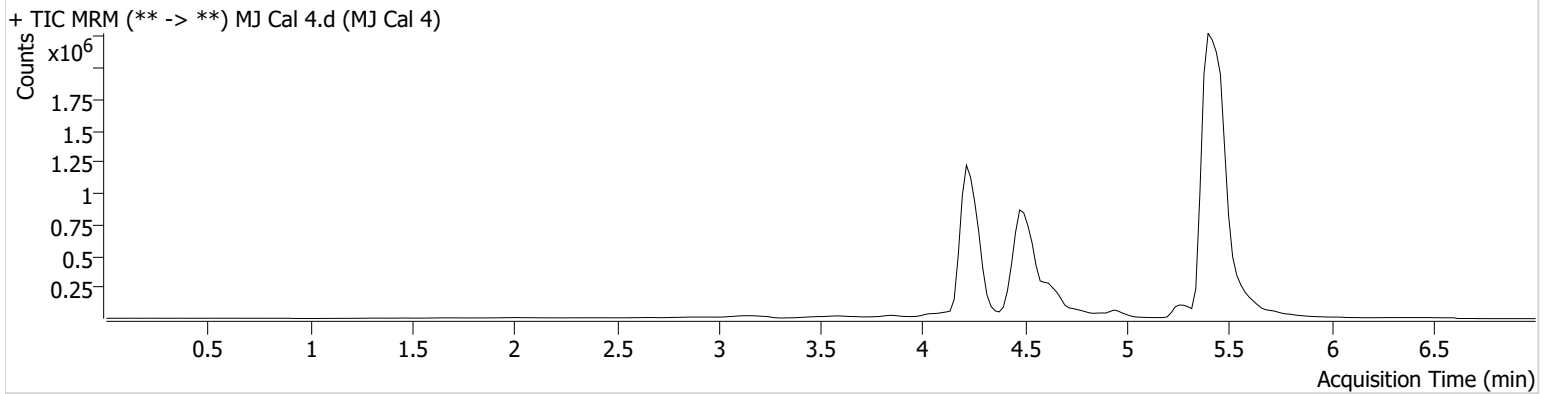
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 3/12/2024 1:59:30 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.	ISTD Resp.	Final Conc.
THC	5.369	29610	482223	10.10 ng/ml
THC-COOH	4.476	1432810	1999572	50.51 ng/ml
THC-OH	4.222	124827	6155346	9.67 ng/ml

AM #26 Cannabinoids Screen Results



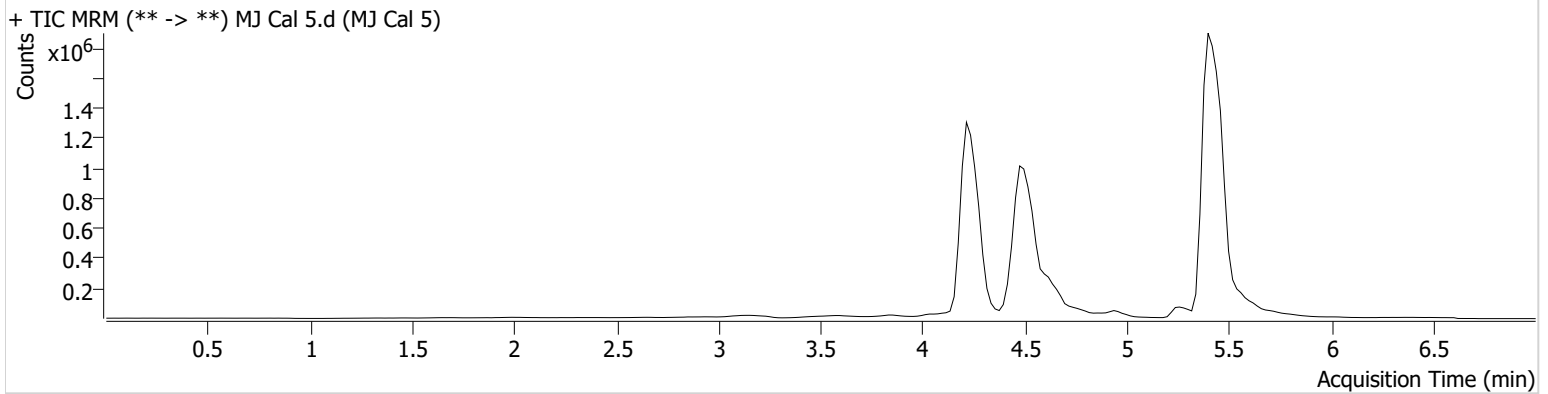
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 3/12/2024 2:07:05 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	5.369	60395	316845	29.95 ng/ml
THC-COOH	4.476	1911241	1874389	71.16 ng/ml
THC-OH	4.222	274744	5389540	24.19 ng/ml

AM #26 Cannabinoids Screen Results



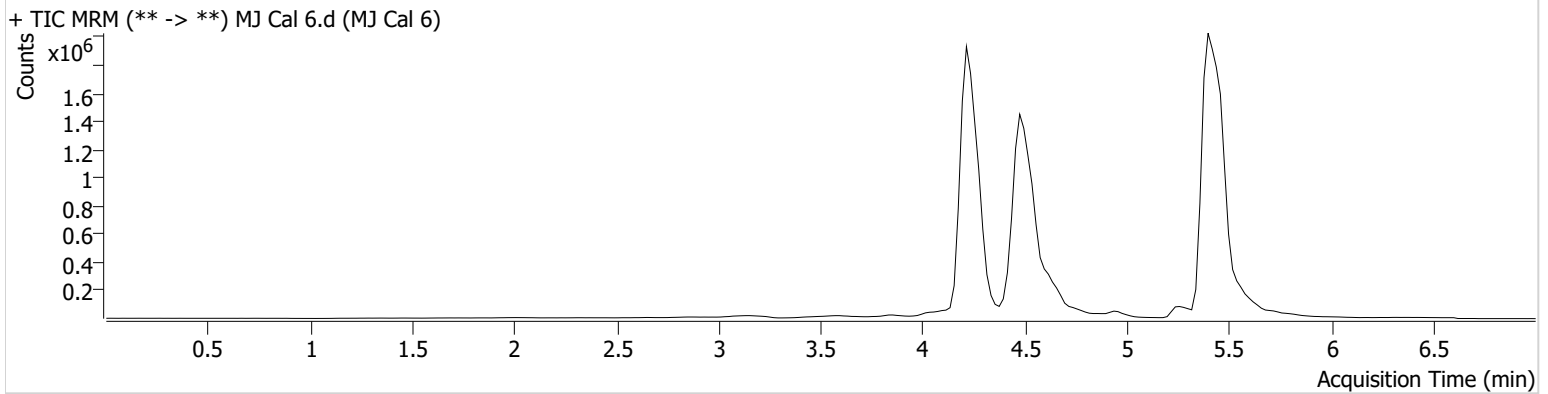
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 3/12/2024 2:16:09 PM
Sample Info.

Data File MJ Cal 6.d
Sample MJ Cal 6
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.	ISTD Resp.	Final Conc.
THC	5.369	99137	341244	45.30 ng/ml
THC-COOH	4.476	2972350	2049716	100.49 ng/ml
THC-OH	4.222	656978	6173932	50.42 ng/ml

AM #26 Cannabinoids Screen Results



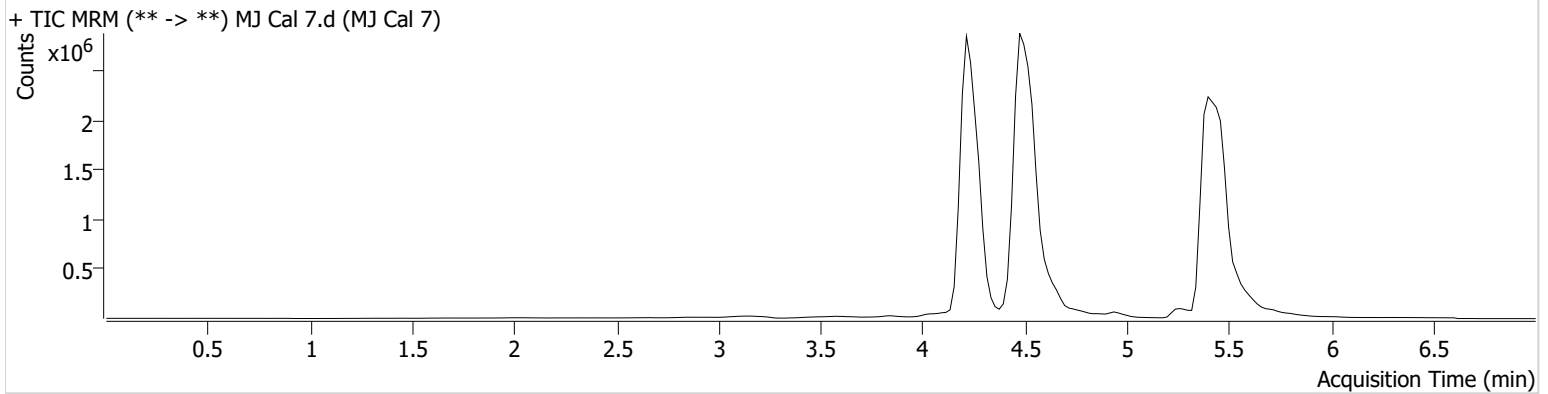
Batch results D:\MassHunter\Data\2024\AM 25 26\031224 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 3/29/2024 7:49:00 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 3/12/2024 2:23:54 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	5.369	88071	255067	53.72 ng/ml
THC-COOH	4.476	7025776	1920687	250.91 ng/ml
THC-OH	4.222	1321114	6206740	100.79 ng/ml