

CS

12/11/2024

Worklist: 6994

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-4589	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4766	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4781	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4817	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-5098	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3518	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3571	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3589	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3610	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3635	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3636	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3651	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3653	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3654	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3687	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3688	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3715	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3716	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3717	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3719	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3721	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6994

23

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-3722	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3723	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3728	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3729	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3730	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3744	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: 12/16/2024

Plate lot#: 240925

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 24C52817

LCMS-QQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 03/25/2025

Mobile phase B: 0.1% Formic Acid in MeOH

Ethyl Acetate LC Methanol

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

Blank Urine Lot: Blood Only Run

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: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
- ☒ 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate.
Pipette ID: 42
- ☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- ☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.
Amount transferred: 250uL
- ☒ 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*).
- ☒ 8. Wait 5 minutes.
- ☒ 9. Add **900uL ethyl acetate**.
- ☒ 10. Wait 5 minutes.
- ☒ 11. Apply positive pressure for approx. 15 seconds. (*10-15 PSI- Selector to the left*).
- ☒ 12. Add **900uL ethyl acetate**.
- ☒ 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.
- ☒ 16. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
- ☒ 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:

9

	1	2	3	4	5	6	7	8	9	10	11	12
A									M2024-4589-1	P2024-3610-1	P2024-3715-1	P2024-3729-1
B									M2024-4766-1	P2024-3635-1	P2024-3716-1	P2024-3730-1
C									M2024-4781-1	P2024-3636-1	P2024-3717-1	P2024-3744-1
D									M2024-4817-2	P2024-3651-1	P2024-3719-1	NEG BLOOD
E									M2024-5098-1	P2024-3653-1	P2024-3721-1	
F									P2024-3518-1	P2024-3654-1	P2024-3722-1	
G									P2024-3571-1	P2024-3687-1	P2024-3723-1	
H									P2024-3589-1	P2024-3688-1	P2024-3728-1	CAL

AM #25 Multi-Drug Screen. Results



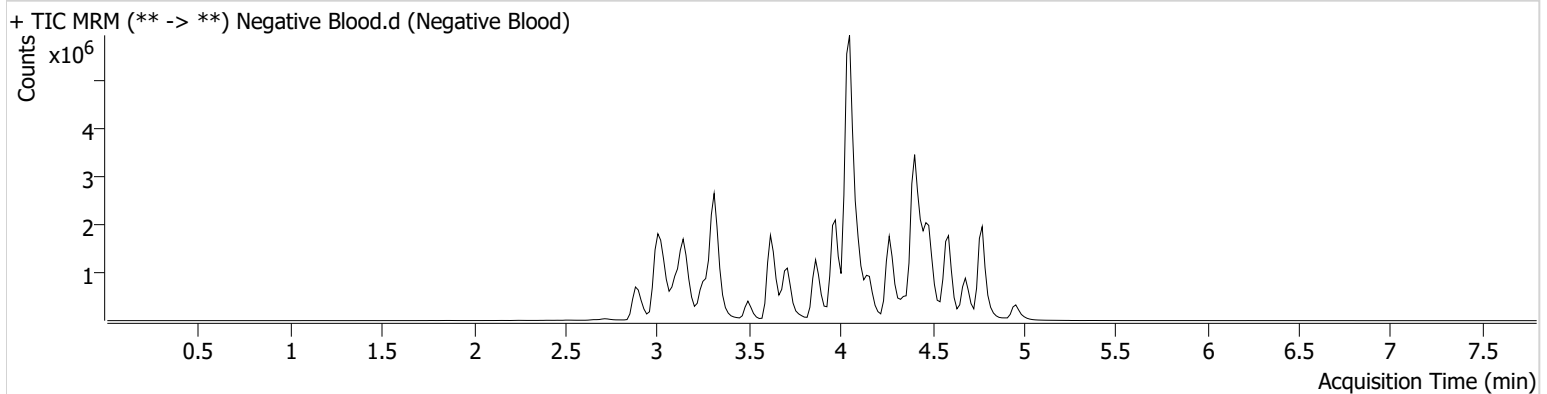
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 12/17/2024 3:03:17 PM

Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P2-D12
Injection Volume 5
Acq. Date-Time 12/16/2024 4:41:26 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 #25 Multi-Drug Screen. Results



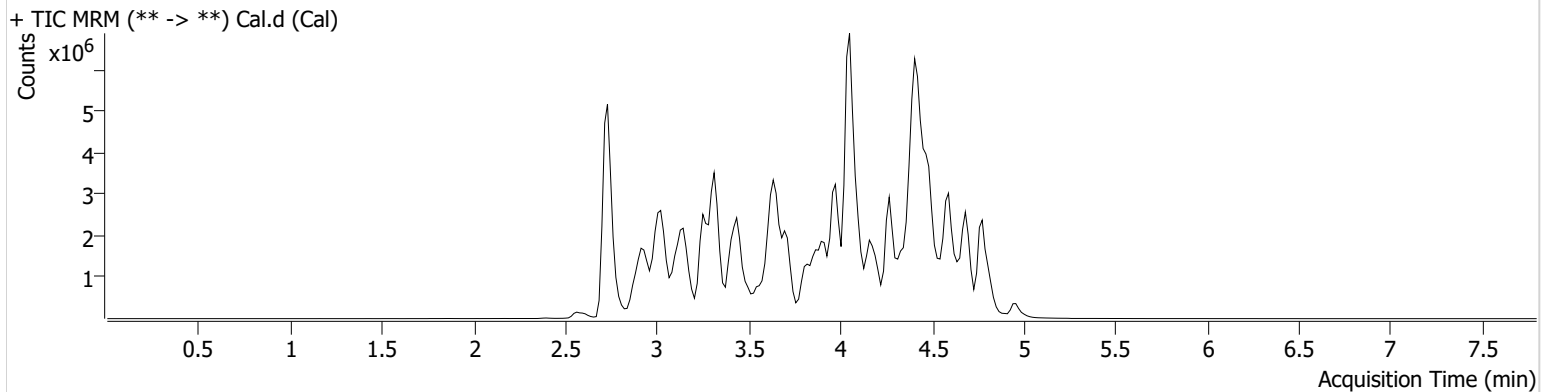
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 12/17/2024 3:03:17 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 25 MDS.m
Sample Position P2-H12
Injection Volume 5
Acq. Date-Time 12/16/2024 4:32:51 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	3.718	603655	53.73	806.69	3096425	10.0000
6-MAM	3.188	18008	890.73	3484.35	381843	10.0000
7-aminoclonazepam	3.515	222210	9811.21	5003.15	1000051	10.0000
7-aminoflunitrazepam	3.715	483203	1203.49	238.46	1000051	10.0000
9-Hydroxyrisperidone	3.985	1610658	271.10	426.82	7138226	10.0000
Acetyl Fentanyl	4.067	101205	520.84	39669.85	6956432	10.0000
Acetyl Norfentanyl	2.905	102218	78097.97	196.53	6956432	10.0000
a-hydroxyalprazolam	4.453	58394	214.97	18986.17	1000051	10.0000
alpha-hydroxymidazolam	4.528	595039	∞	1094.63	1000051	10.0000
Alpha-PHP	3.997	745380	1507.37	992.18	6956432	10.0000
alpha-PVP	3.658	1067100	2913.14	648.97	2406760	10.0000
Alprazolam	4.548	544226	364.75	956.73	3314626	10.0000
Amitriptyline	4.474	490224	245.61	510.68	2031913	10.0000
Amphetamine	2.925	1016180	1250.29	1116.54	2406760	10.0000
Benzoylecgonine	3.314	22461	144.64	362.34	108288	10.0000
Bromazolam	4.604	169133	1259.99	2775.50	3314626	10.0000
Brompheniramine	4.068	27915	167.81	766.28	13865364	10.0000
Buprenorphine	4.969	50236	327.55	1254.80	1075117	10.0000
Bupropion	3.905	1119920	5357.38	977.62	3972014	10.0000
Carbamazepine	4.168	1895324	∞	1321.00	54129	10.0000
Carisoprodol	4.167	337417	919.61	231.23	1923579	10.0000
Chlordiazepoxide	4.673	241853	1636.33	105.40	3314626	10.0000
Chlorpheniramine	3.964	1594969	192.95	40.81	2845635	10.0000
Chlorpromazine	4.685	779244	255687.80	370.65	3550994	10.0000
Citalopram	4.082	802669	870.85	11402.78	13865364	10.0000
Clonipramine	4.685	1146229	16223.88	4834.91	13865364	10.0000
Clonazepam	4.377	233122	96278.47	377.83	54129	10.0000
Clonazepam	4.296	223451	2736.93	607.08	3314626	10.0000
Clozapine	4.498	1058632	1837.52	31479.69	4515796	10.0000
Cocaethylene	3.821	1004866	981395.57	1198.45	5816953	10.0000
Cocaine	3.637	1110908	16247.79	355.88	5816953	10.0000
Codeine	3.191	108092	71169.59	422.03	2024069	10.0000

Cal

Generated at 3:06 PM on 12/17/2024

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cyclobenzaprine	4.382	783166	4151.55	174.32	2031913	10.0000
Desipramine	4.383	1537999	452.11	883.85	2031913	10.0000
Dextromethorphan	4.104	584693	242.42	389.74	2845635	10.0000
Dextrorphan	3.394	640559	386.48	691.56	2845635	10.0000
Diazepam	4.781	196614	250.43	426.73	3314626	10.0000
Dihydrocodeine	2.976	277191	8296.82	3284.50	2024069	10.0000
Diphenhydramine	4.058	1875461	1242.40	770.72	13865364	10.0000
DMT	3.030	74917	824.82	2224.73	2845635	10.0000
Doxepin	4.196	665297	308.96	318.44	6327820	10.0000
Doxylamine	3.655	2308730	20808.35	147636.58	2845635	10.0000
Duloxetine	4.334	29477	13181.27	9852.46	417421	10.0000
EDDP	4.056	106070	219.53	290.72	634623	10.0000
Estazolam	4.457	983485	564.13	752.96	3314626	10.0000
Etizolam	4.559	70985	32692.80	3792.27	3314626	10.0000
Fentanyl	4.282	95953	185.32	27568.16	5460240	10.0000
Flualprazolam	4.406	169607	122898.61	970.20	3314626	10.0000
Flunitrazepam	4.501	412574	753.74	884.95	3314626	10.0000
Fluorofentanyl	4.327	169782	∞	1210.15	5460240	10.0000
Fluoxetine	4.332	900694	7883.50	352.02	1784894	10.0000
Flurazepam	4.326	792006	301133.65	90749.20	3314626	10.0000
Gabapentin	2.405	6512	25.32	22.42	4515796	10.0000
Hydrocodone	3.314	343346	4429.54	183.05	2024069	10.0000
Hydromorphone	2.872	286219	4674.06	4578.38	2024069	10.0000
Hydroxyzine	4.588	1020810	5884.02	2680.99	4515796	10.0000
Imipramine	4.427	1718727	868.68	211.06	2031913	10.0000
Ketamine	3.843	904686	522.61	198.46	2926614	10.0000
Lamotrigine	3.594	592604	2155.31	2950.78	13865364	10.0000
Levamisole	3.275	730053	450.60	483.98	5816953	10.0000
Levetiracetam	2.573	250747	574.81	147.92	13865364	10.0000
Lorazepam	4.376	80085	180.06	159.40	3314626	10.0000
Maprotiline	4.474	294446	376.11	390.74	2031913	10.0000
MDA	3.030	559295	294.56	589.82	6006917	10.0000
MDEA	3.259	959049	762.68	209.63	6006917	10.0000
MDMA	3.121	1197138	943.91	705.83	6006917	10.0000
Meperidine	3.687	660084	2163.85	290.15	2845635	10.0000
Meprobamate	3.613	119166	126.07	89.80	1923579	10.0000
Methadone	4.378	1549934	857.49	3398.91	634623	10.0000
Methamphetamine	3.047	2311680	2709.10	177.31	6006917	10.0000
Methocarbamol	3.519	60686	493.80	81.32	634623	10.0000
Methylphenidate	3.550	1793660	1330.26	257.01	4229741	10.0000
Metoprolol	3.439	194042	354.68	8793.69	2845635	10.0000
Midazolam	4.699	171961	539.86	32481.45	3314626	10.0000
Mirtazapine	4.275	916549	2320.70	481134.75	2845635	10.0000
Mitragynine	4.310	124062	58651.17	21896.21	2845635	10.0000
Morphine	2.704	55858	381.31	356.43	26055	10.0000
Norbuprenorphine	3.862	22527	5914.71	719.21	1075117	10.0000
Nordiazepam	4.629	270465	739.16	415.92	3314626	10.0000
Norfentanyl	3.335	1590207	27537.17	278.78	6956432	10.0000
Norhydrocodone	2.979	19442	948.48	108.85	2024069	10.0000
Norketamine	3.921	197151	605.41	4935.15	2926614	10.0000
Normeperidine	3.612	493520	283.09	340.69	13865364	10.0000
Noroxycodone	2.915	345865	32.20	353.25	2926614	10.0000
Nortriptyline	4.429	544934	1779.61	972.81	2031913	10.0000
O-desmethyl-tramadol	2.949	1834995	19498.18	356.82	13865364	10.0000
O-desmethylenlafaxine	3.255	427764	823.33	3858.32	1835398	10.0000
Olanzapine	3.976	324161	278.91	5660.69	54129	10.0000
Oxazepam	4.457	443644	3031.89	208.66	2290994	10.0000
Oxycodone	3.143	616792	355.15	528.59	2926614	10.0000

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Oxymorphone	2.610	270230	30.36	43.88	2024069	10.0000
Paroxetine	4.344	158442	138.13	291.59	1784894	10.0000
Phenazepam	4.574	384851	150584.13	175561.47	3314626	10.0000
Phencyclidine	3.920	1423454	317.34	3152.22	2845635	10.0000
Phentermine	3.170	441827	791.13	24.13	4229741	10.0000
Phenytoin	4.075	116313	41288.46	113.50	54129	10.0000
Primidone	3.413	1786853	1189169.75	957.96	54129	10.0000
Promethazine	4.427	1899743	20063.81	1701.23	13865364	10.0000
Pseudoephedrine	2.740	15636576	57722.75	50601.15	6006917	10.0000
Quetiapine	4.633	1200819	27894.03	356042.28	9172959	10.0000
Risperidone	4.202	1723572	16520.22	406.52	7138226	10.0000
Sertraline	4.579	383369	1837.35	1210.41	1784894	10.0000
Sufentanil	4.664	87521	34455.95	191.64	6956432	10.0000
Tapentadol	3.444	1040018	5366.11	9176.91	2926614	10.0000
Temazepam	4.595	717470	687.90	80.19	3314626	10.0000
Topiramate	3.788	138471	134610.53	44156.46	70136	10.0000
Tramadol	3.440	3477581	483.26	3190.87	13865364	10.0000
Trazodone	4.803	1295886	2480.85	5402.11	6327820	10.0000
Venlafaxine	3.809	1615951	6603.68	445.19	1835398	10.0000
Xylazine	3.459	573037	263850.94	210.38	2926614	10.0000
Zaleplon	4.271	434141	425.13	1451.04	9172959	10.0000
Zolpidem	4.425	1943653	11740.81	1995.48	9172959	10.0000
Zopiclone	4.356	182935	15834.60	52970.85	942477	10.0000

9

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

Extraction Date: 12/16/2024

Plate lot#: 240919

Mobile phase A: 10mM Amm Form

Blank Blood Lot: Lampire 24C52817

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 03/19/2025

Mobile phase B: 0.1% Formic Acid in MeOH

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

Blank Urine Lot: Blood Only Run

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:

9

	1	2	3	4	5	6
a	cal 1ng	QC1	P2024-3518-1	P2024-3654-1	P2024-3722-1	
b	cal 3 ng	QC2	P2024-3571-1	P2024-3687-1	P2024-3723-1	
c	cal 5 ng	NEG Control	P2024-3589-1	P2024-3688-1	P2024-3728-1	
d	cal 10ng	M2024-4589-1	P2024-3610-1	P2024-3715-1	P2024-3729-1	
e	cal 25 ng	M2024-4766-1	P2024-3635-1	P2024-3716-1	P2024-3730-1	
f	cal 50 ng	M2024-4781-1	P2024-3636-1	P2024-3717-1	P2024-3744-1	
g	cal 100 ng	M2024-4817-2	P2024-3651-1	P2024-3719-1		
h	QC 1	M2024-5098-1	P2024-3653-1	P2024-3721-1		

AM #26 Cannabinoids Screen Results



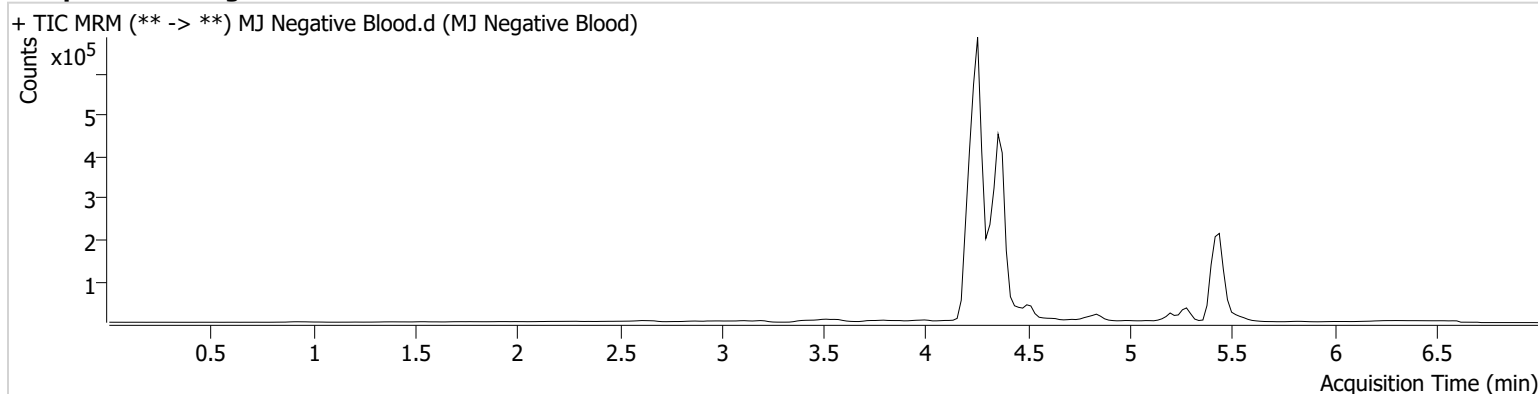
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-C2
Injection Volume 10
Acq. Date-Time 12/16/2024 12:26:17 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



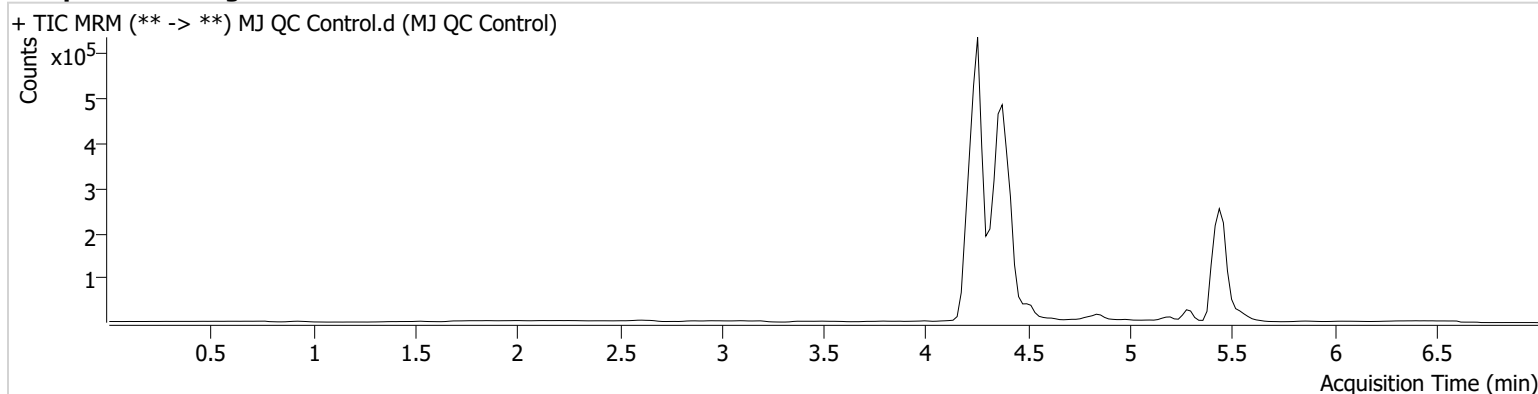
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 12/16/2024 12:11:05 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	5.429	2310	73430	4.38 ng/ml
THC-COOH	4.396	414569	1713339	14.94 ng/ml
THC-OH	4.262	30840	2588718	4.77 ng/ml

AM #26 Cannabinoids Screen Results



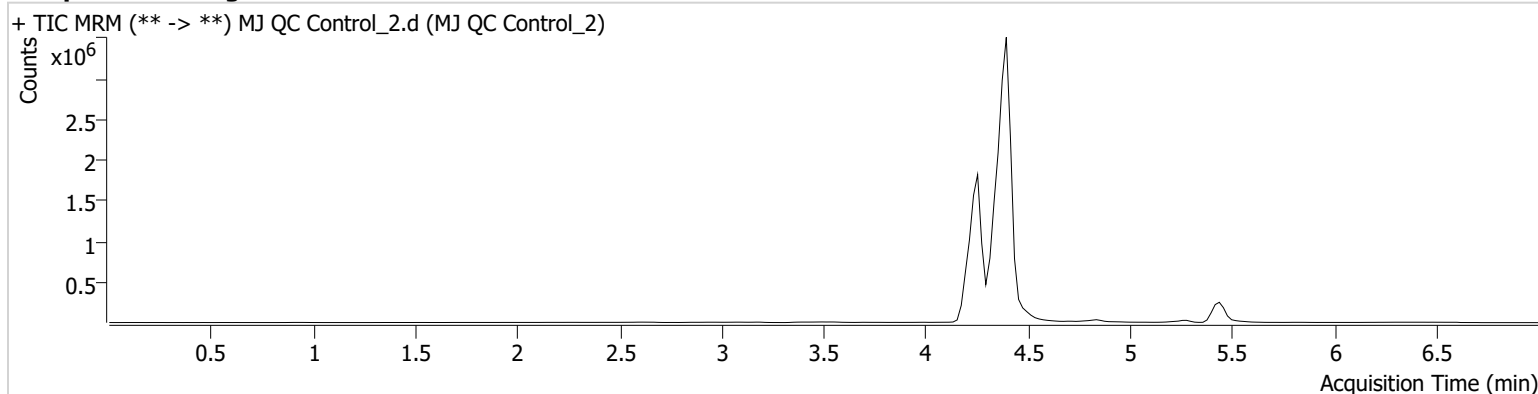
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 12/16/2024 3:58:16 PM
Sample Info.

Data File MJ QC Control_2.d
Sample MJ QC Control_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.	ISTD Resp.	Final Conc.
THC	5.469	35421	49187	105.57 ng/ml
THC-COOH	4.396	6208742	1584126	245.18 ng/ml
THC-OH	4.262	627112	2766309	97.32 ng/ml

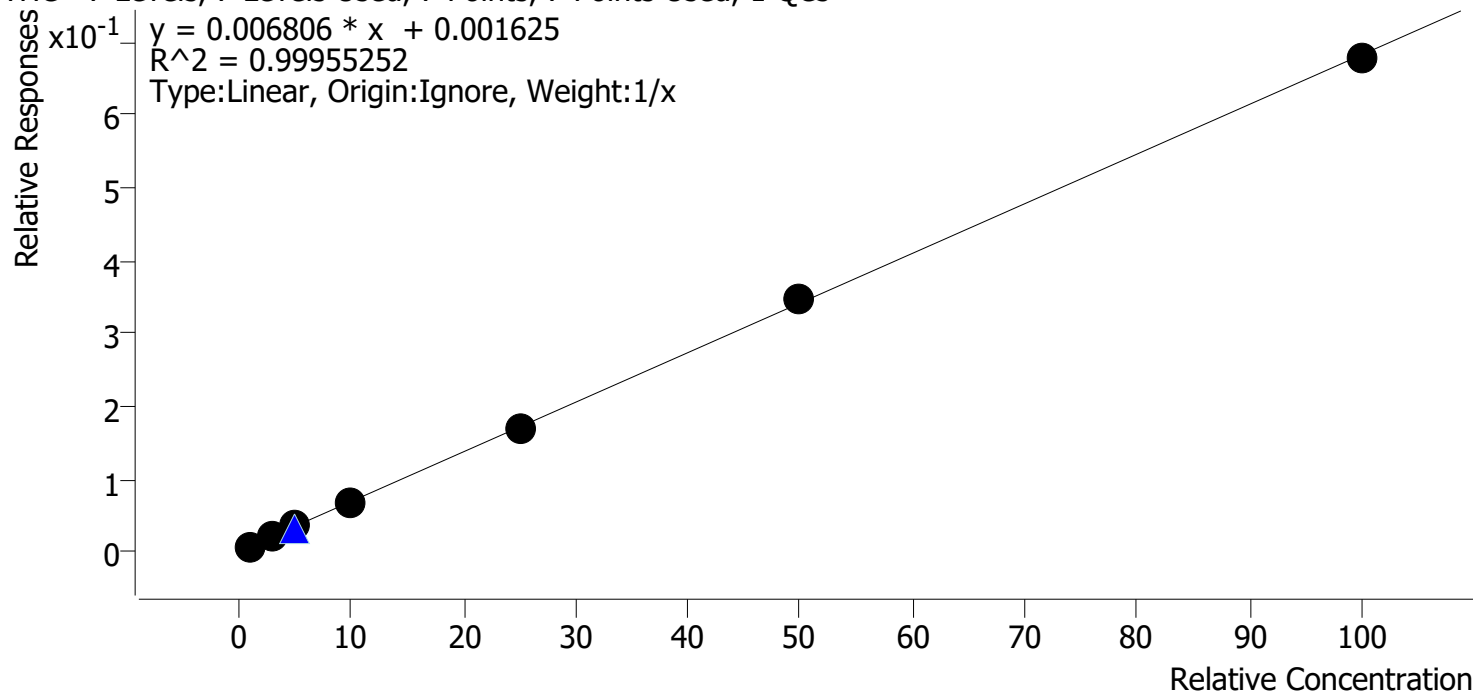
CS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
 Last Cal. Update 12/17/2024 7:06 AM
 Analyst Name ISP\datastor
 Analyte THC Internal Standard THC-D3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 1 QCs

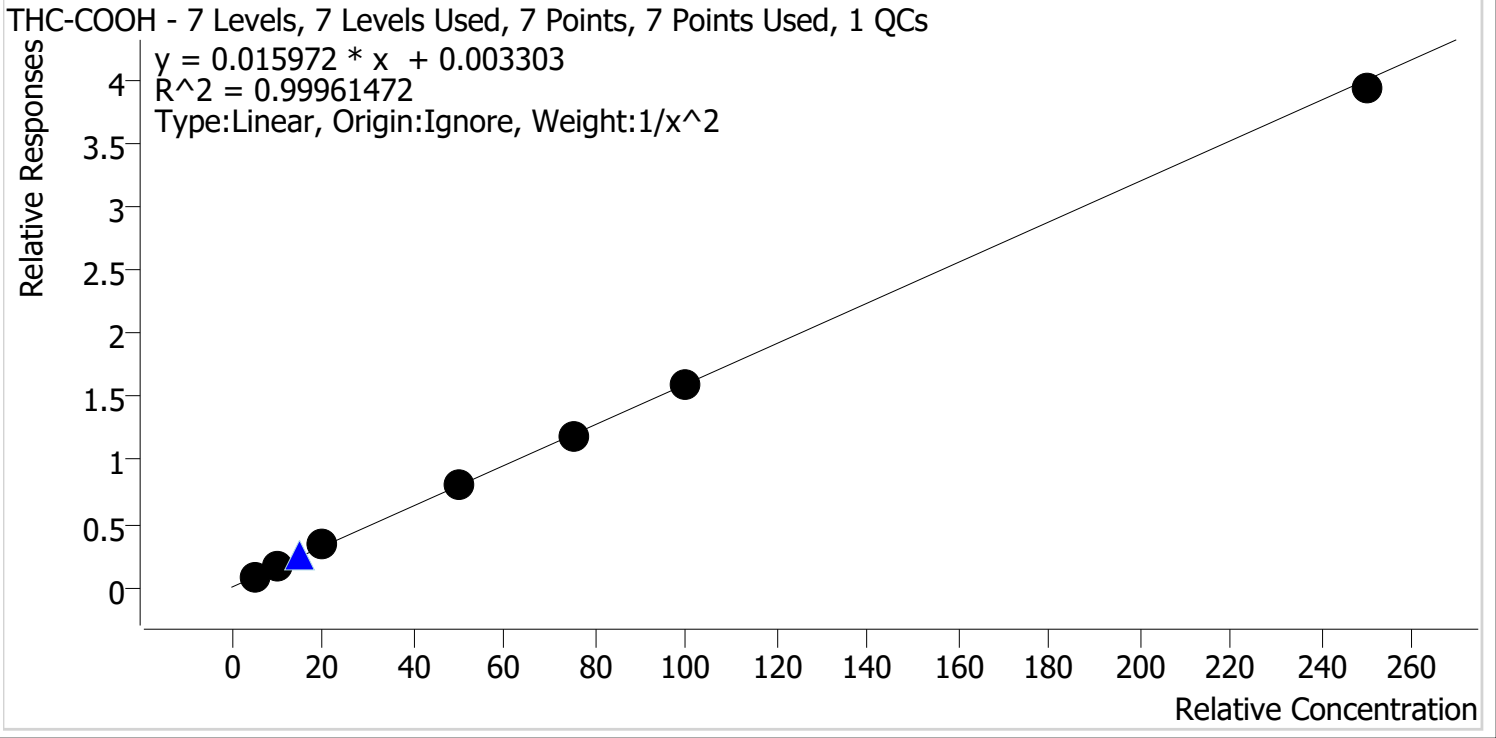


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	0.9	89.1
MJ Cal 2	2	✓	3.0	3.2	107.1
MJ Cal 3	3	✓	5.0	5.3	106.3
MJ Cal 4	4	✓	10.0	9.7	97.2
MJ Cal 5	5	✓	25.0	24.9	99.6
MJ Cal 6	6	✓	50.0	50.8	101.5
MJ Cal 7	7	✓	100.0	99.2	99.2



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 12/17/2024 7:06 AM
Analyst Name ISP\datastor
Analyte THC-COOH Internal Standard THC-COOH-D9

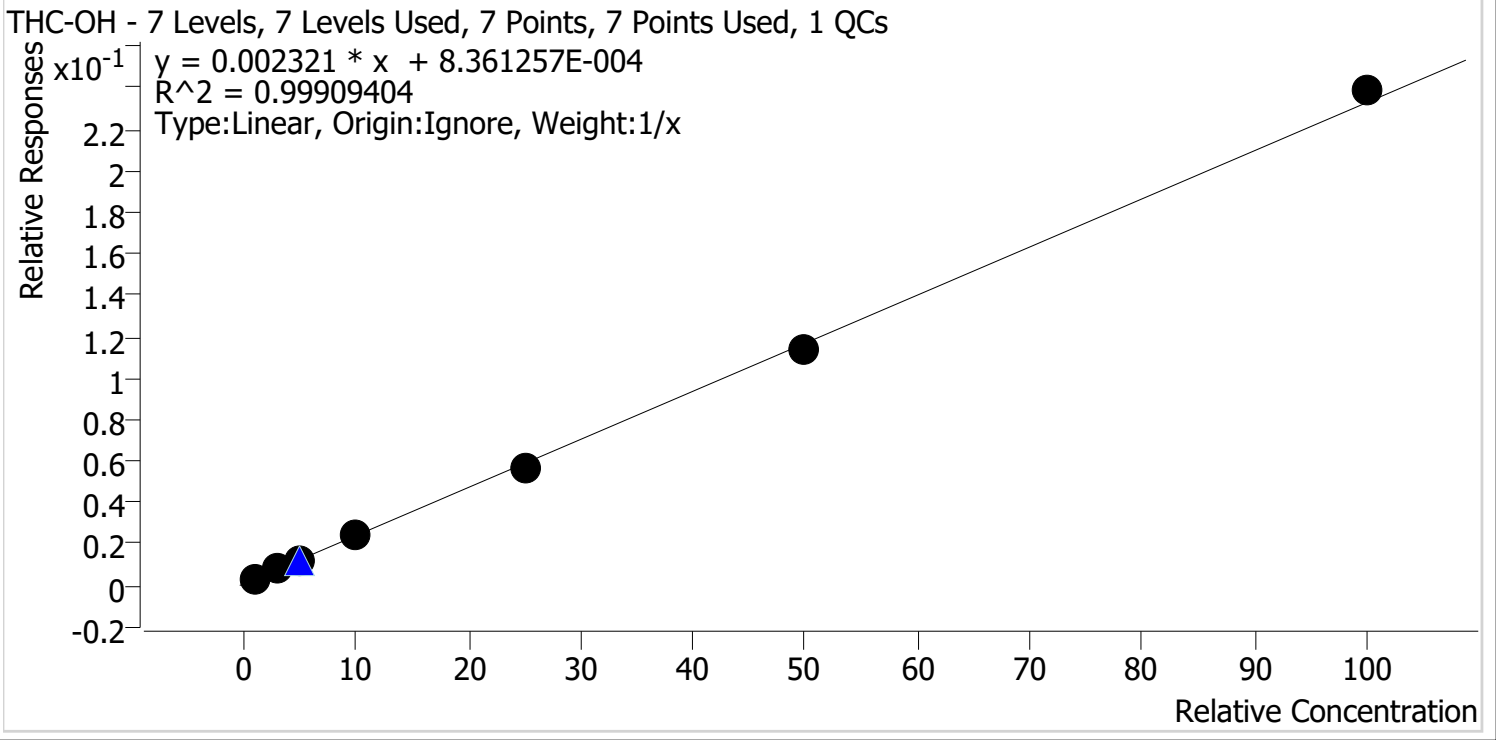


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.0	100.6
MJ Cal 2	2	✓	10.0	9.8	97.8
MJ Cal 3	3	✓	20.0	20.3	101.5
MJ Cal 4	4	✓	50.0	51.1	102.2
MJ Cal 5	5	✓	75.0	74.7	99.6
MJ Cal 6	6	✓	100.0	100.1	100.1
MJ Cal 7	7	✓	250.0	245.6	98.2



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 12/17/2024 7:06 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	1.0	103.8
MJ Cal 2	2	✓	3.0	3.0	101.4
MJ Cal 3	3	✓	5.0	5.0	100.8
MJ Cal 4	4	✓	10.0	9.9	98.7
MJ Cal 5	5	✓	25.0	23.9	95.5
MJ Cal 6	6	✓	50.0	48.7	97.4
MJ Cal 7	7	✓	100.0	102.5	102.5

AM #26 Cannabinoids Screen Results



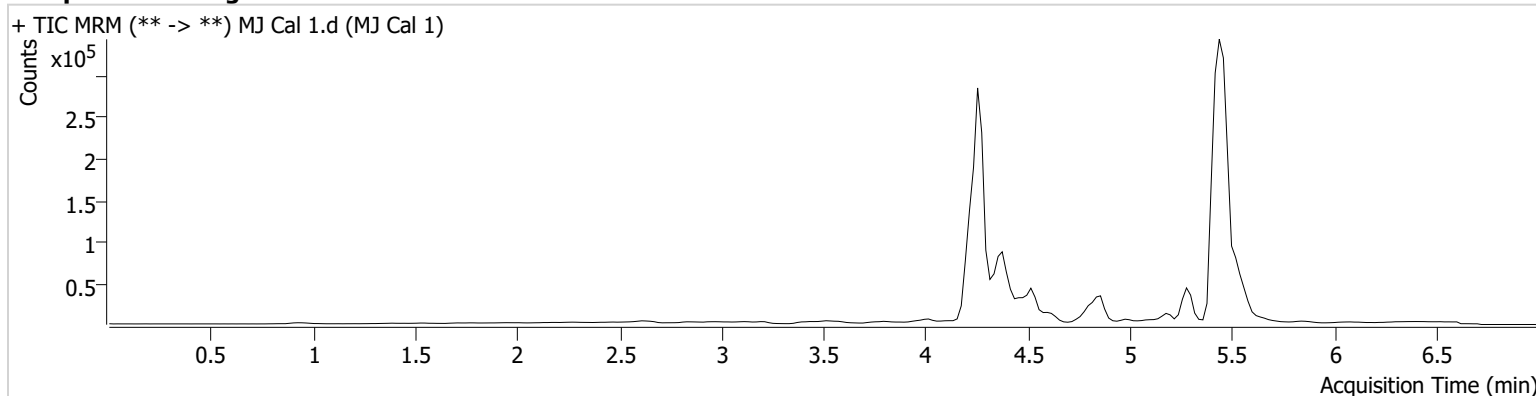
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 12/16/2024 11:17:59 AM
Sample Info.

Data File MJ Cal 1.d
Sample MJ Cal 1
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	5.489	782	101679	0.89 ng/ml Low
THC-COOH	4.416	27120	324303	5.03 ng/ml
THC-OH	4.282	3983	1227205	1.04 ng/ml Low

AM #26 Cannabinoids Screen Results



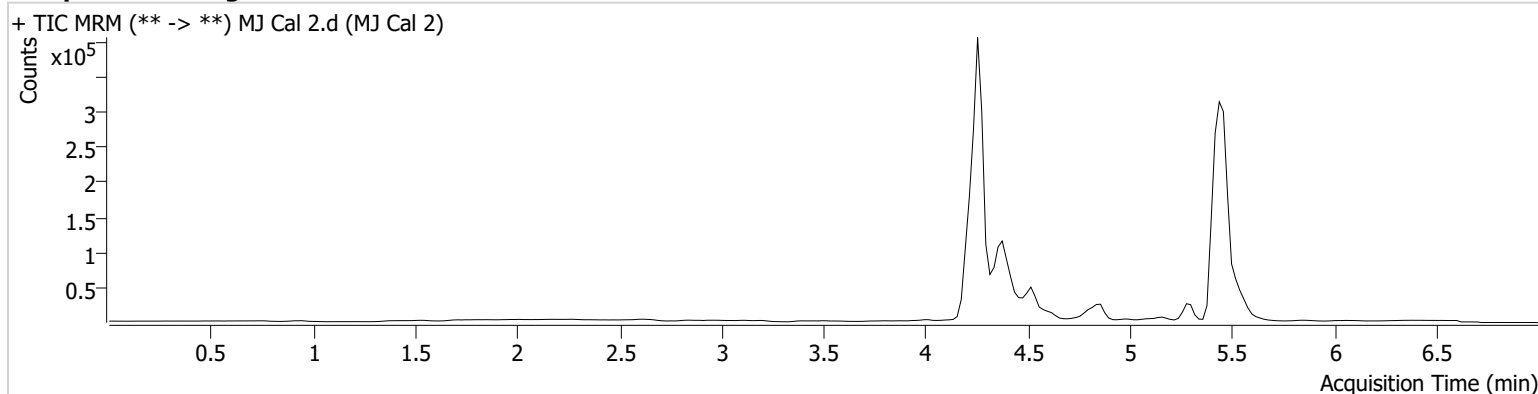
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 12/16/2024 11:25:40 AM
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.	ISTD Resp.	Final Conc.
THC	5.469	2576	109663	3.21 ng/ml
THC-COOH	4.416	61493	385596	9.78 ng/ml
THC-OH	4.262	12868	1629651	3.04 ng/ml

AM #26 Cannabinoids Screen Results



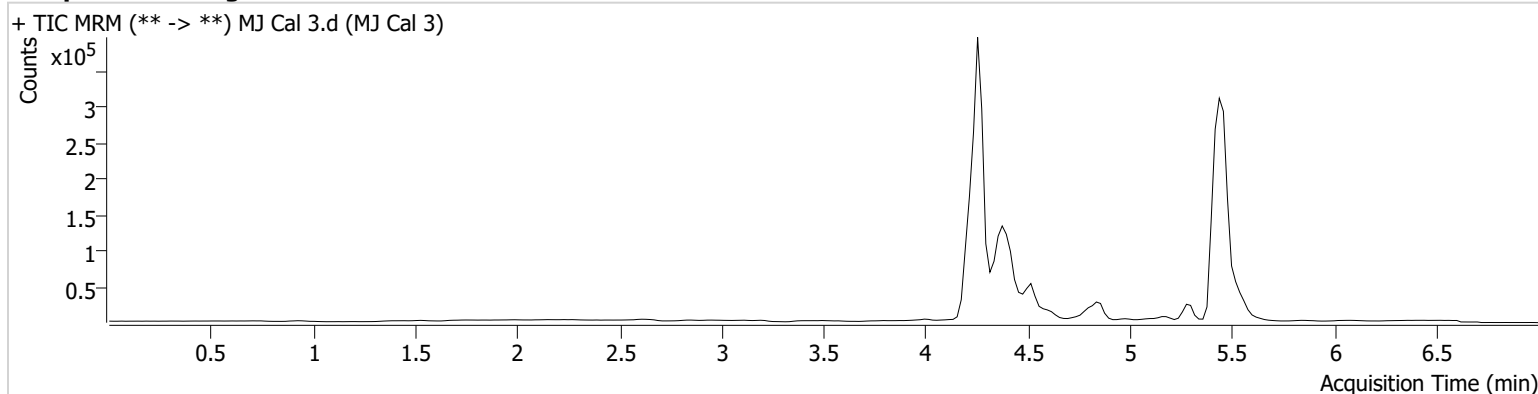
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 12/16/2024 11:33:14 AM
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.	ISTD Resp.	Final Conc.
THC	5.469	4671	123534	5.32 ng/ml
THC-COOH	4.396	125376	382782	20.30 ng/ml
THC-OH	4.262	19273	1538281	5.04 ng/ml

AM #26 Cannabinoids Screen Results



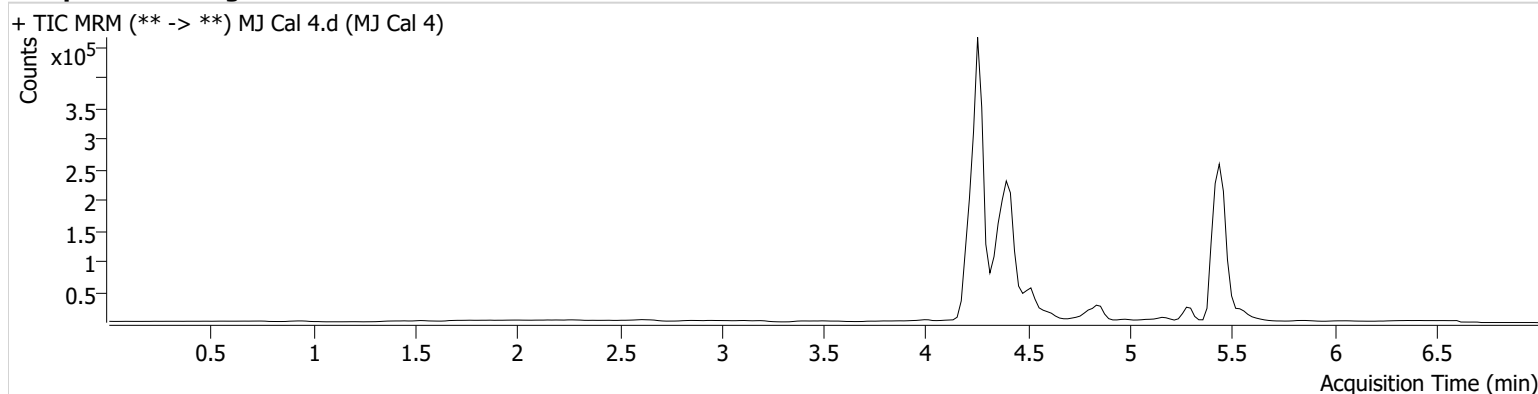
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 12/16/2024 11:40:48 AM
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	5.449	5874	86684	9.72 ng/ml
THC-COOH	4.396	324766	396370	51.09 ng/ml
THC-OH	4.262	39194	1651099	9.87 ng/ml

AM #26 Cannabinoids Screen Results



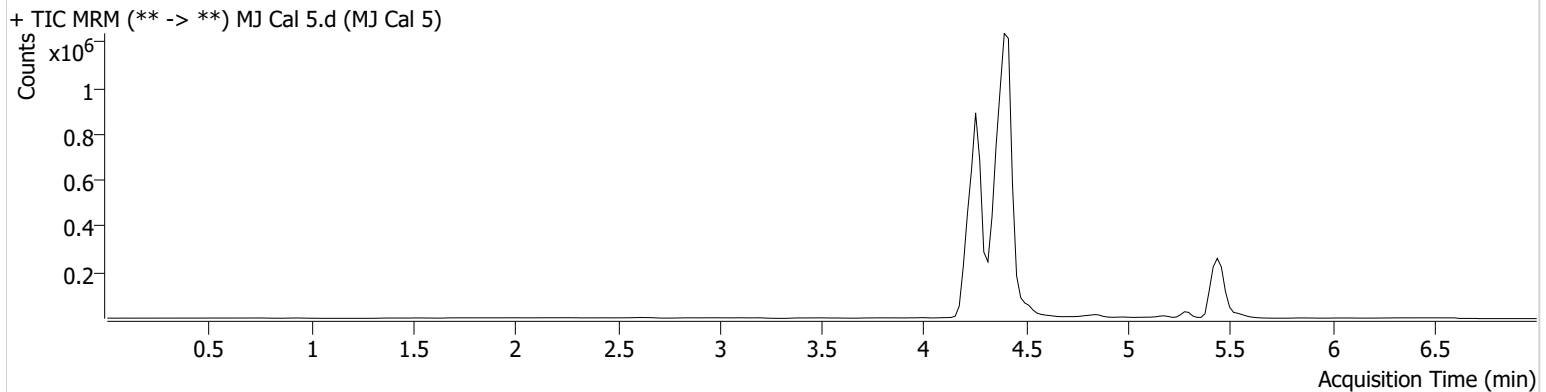
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 12/16/2024 11:48:22 AM
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.	ISTD Resp.	Final Conc.
THC	5.469	15130	88419	24.90 ng/ml
THC-COOH	4.416	2004447	1674827	74.72 ng/ml
THC-OH	4.262	151179	2688016	23.87 ng/ml

AM #26 Cannabinoids Screen Results



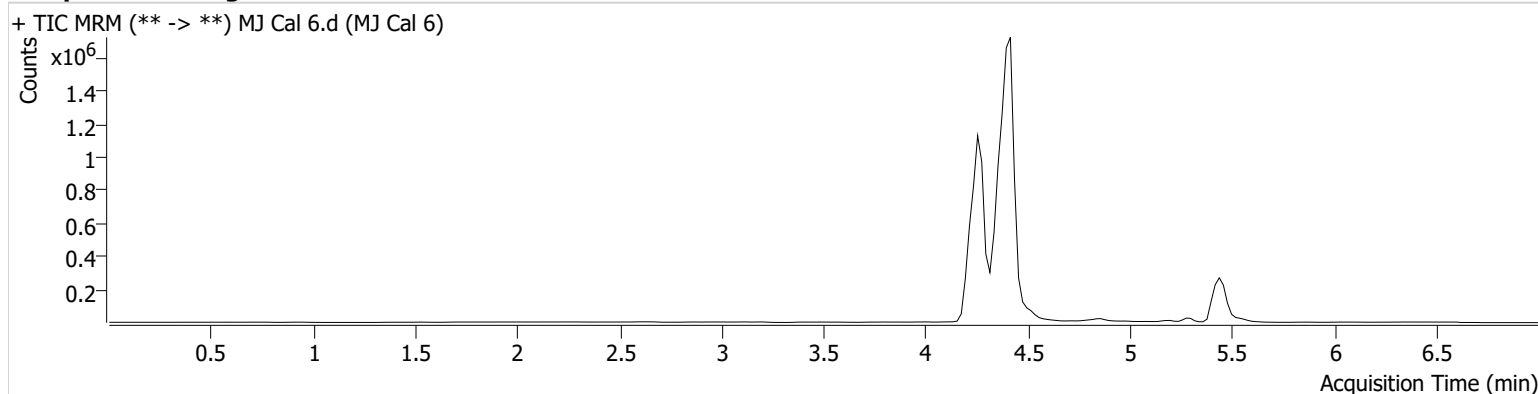
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 12/16/2024 11:55:56 AM
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	5.469	32132	92544	50.77 ng/ml
THC-COOH	4.416	2877223	1795822	100.10 ng/ml
THC-OH	4.262	307234	2699342	48.68 ng/ml

AM #26 Cannabinoids Screen Results



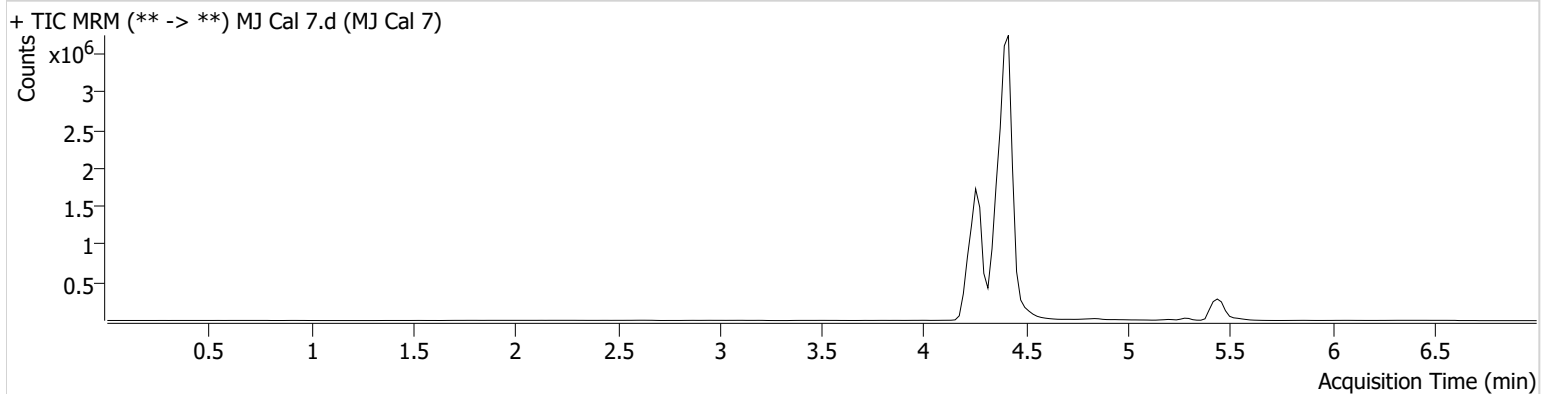
Batch results D:\MassHunter\Data\2024\AM 25 26\121624 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/17/2024 7:06:10 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 12/16/2024 12:03:30 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.	ISTD Resp.	Final Conc.
THC	5.469	54643	80746	99.19 ng/ml
THC-COOH	4.416	6825802	1738612	245.59 ng/ml
THC-OH	4.262	623637	2613592	102.46 ng/ml