











Worklist: 6760

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4357	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-1021	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-1116	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-1127	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-1204	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-1205	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-1281	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0707	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0788	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0887	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0893	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0895	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0898	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0899	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0902	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0904	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0910	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0919	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0920	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0924	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0925	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6760



<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-0932	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0933	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0934	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0935	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0936	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0967	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0976	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1014	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: 04/09/2024

Plate lot#: 231213

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 23A52595

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:

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	1	2	3	4	5	6	7	8	9	10	11	12
A									M2024-1116-1	P2024-0893-1	P2024-0920-1	P2024-0967-1
B									M2024-1127-1	P2024-0895-1	P2024-0924-1	P2024-0976-1
C									M2024-1204-2	P2024-0898-1	P2024-0925-1	P2024-1014-1
D									M2024-1205-2	P2024-0899-1	P2024-0932-1	NEG BLOOD
E									M2024-1281-2	P2024-0902-1	P2024-0933-1	
F									P2024-0707-1	P2024-0904-2	P2024-0934-1	
G								M2023-4357-3	P2024-0788-1	P2024-0910-1	P2024-0935-1	
H								M2024-1021-1	P2024-0887-1	P2024-0919-1	P2024-0936-1	CAL

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AM #25 Multi-Drug Screen. Results

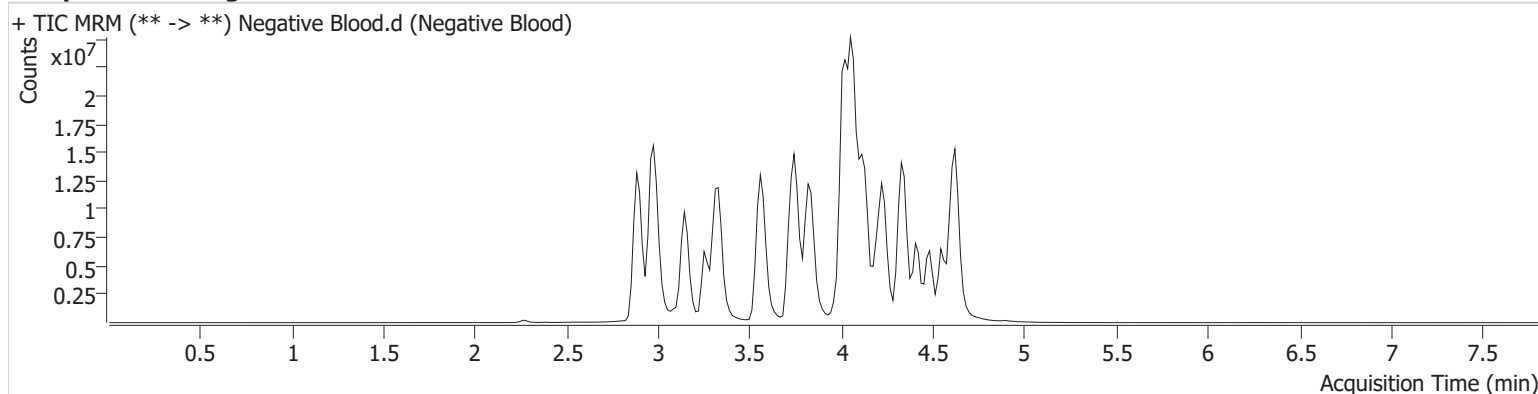
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 4/11/2024 8:55:35 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P2-D12
Injection Volume 5
Acq. Date-Time 4/9/2024 5:43:30 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

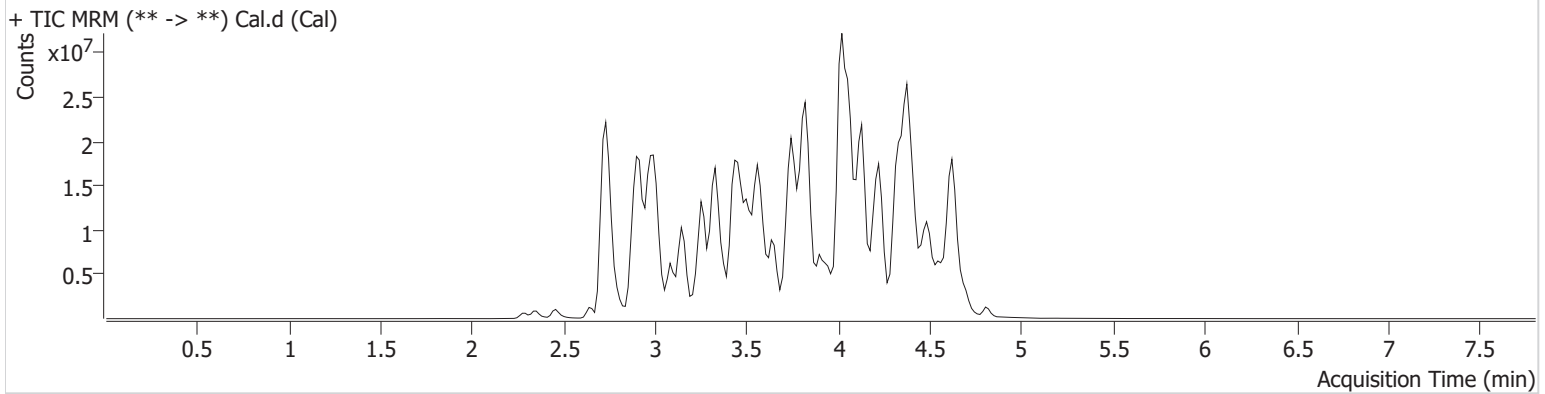


Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 4/11/2024 8:55:35 AM

Instrument Falco (069901) **Data File** Cal.d
Type Cal **Sample** Cal
Acq. Method AM 25 MDS.m **Operator** Celena Shrum
Sample Position P2-H12 **Comment**
Injection Volume 5
Acq. Date-Time 4/9/2024 5:34:55 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	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.764	2458508	277.65	507.47	23389868	10.0000
6-MAM	2.881	55689	32179.46	16835.27	2527572	10.0000
7-aminoclonazepam	3.546	1141793	903.74	7012.57	7848308	10.0000
7-aminoflunitrazepam	3.761	3676392	1812.50	207.11	7848308	10.0000
9-Hydroxyrisperidone	3.831	12874643	5209.47	250736.6	39823463	10.0000
Acetyl Fentanyl	3.789	528843	606.83	124022.8	40789459	10.0000
Acetyl Norfentanyl	2.905	378001	897736.45	185.31	40789459	10.0000
a-hydroxyalprazolam	4.483	258669	750.71	137.29	7848308	10.0000
alpha-hydroxymidazolam	4.558	2614839	602.42	2771.77	7848308	10.0000
Alpha-PHP	3.796	4210529	6024.80	681.23	40789459	10.0000
alpha-PVP	3.535	5441691	1826.19	1929.31	18137354	10.0000
Alprazolam	4.578	2871612	963.40	651.77	23789492	10.0000
Amitriptyline	4.412	2523500	300.07	594.20	11635081	10.0000
Amphetamine	2.924	4652252	1505.20	13488.23	18137354	10.0000
Benzoylcegonine	3.376	112222	84195.49	356.52	633042	10.0000
Bromazolam	4.650	1315406	6996.66	579912.2	23789492	10.0000
Brompheniramine	4.036	142675	94136.52	3604.15	51522190	10.0000
Buprenorphine	4.355	94927	2160.84	13493.81	5848050	10.0000
Bupropion	3.750	7307549	646.00	232477.7	28732935	10.0000
Carbamazepine	4.214	12954404	∞	578.19	389561	10.0000
Carisoprodol	4.213	1454243	6208.52	130.73	12595611	10.0000
Chlordiazepoxide	4.703	1358106	941.17	467.30	23789492	10.0000
Chlorpheniramine	3.948	12470379	401.19	23.22	21115266	10.0000
Chlorpromazine	4.607	2329674	642517.10	1649.93	14899953	10.0000
Citalopram	4.051	4249134	495.33	431.34	51522190	10.0000
Clomipramine	4.623	3182060	14282.72	5052.13	51522190	10.0000
Clonazepam	4.423	1628826	371.90	322.24	389561	10.0000
Clonazolam	4.342	993581	477612.92	219217.2	23789492	10.0000

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Clozapine	4.235	5401431	2092.92	1243914.11	28019835	10.0000
Cocaethylene	3.774	5492225	2589646.45	1872.42	34040126	10.0000
Cocaine	3.560	4853263	2283295.91	336.66	34040126	10.0000
Codeine	2.794	458897	1722.33	1345.72	13356365	10.0000
Cyclobenzaprine	4.335	3677041	613.16	96.59	11635081	10.0000
Desipramine	4.367	6215759	696.10	2513.18	11635081	10.0000
Dextromethorphan	4.073	2715576	52668.75	1339360.22	21115266	10.0000
Dextrorphan	3.378	3478174	916.77	126059.71	21115266	10.0000
Diazepam	4.811	1589336	3082.00	617.27	23789492	10.0000
Dihydrocodeine	2.746	1163057	416.77	827.45	13356365	10.0000
Diphenhydramine	4.026	13407236	1799.54	955.87	51522190	10.0000
DMT	2.983	675506	2888.28	3118.04	21115266	10.0000
Doxepin	4.133	3008477	484.71	13.67	35158185	10.0000
Doxylamine	3.639	12446743	12835.40	8506.35	21115266	10.0000
Duloxetine	4.318	83742	44742.25	25806.43	1568292	10.0000
EDDP	4.072	273813	119.46	451.51	2269832	10.0000
Estazolam	4.502	6201789	985.72	3040.74	23789492	10.0000
Etizolam	4.589	407657	257939.76	747174.00	23789492	10.0000
Fentanyl	4.019	451409	295.16	215931.58	28820819	10.0000
Flualprazolam	4.452	1218967	54471.53	710702.87	23789492	10.0000
Flunitrazepam	4.531	3490586	5816.76	14778.28	23789492	10.0000
Fluorofentanyl	4.049	812049	8233.36	3028.09	28820819	10.0000
Fluoxetine	4.332	2912200	472.97	112.01	6167942	10.0000
Flurazepam	4.125	4265419	851.07	112895.51	23789492	10.0000
Hydrocodone	2.992	1693067	649.15	350.70	13356365	10.0000
Hydromorphone	2.460	1733098	729.23	627.64	537883	10.0000
Hydroxyzine	4.449	4430886	3307.65	4081.15	28019835	10.0000
Imipramine	4.380	9896162	55067.27	1544.48	11635081	10.0000
Ketamine	3.442	5231432	1063.91	209.78	19511373	10.0000
Lamotrigine	3.564	3050314	13002.72	245805.71	51522190	10.0000
Levamisole	2.951	4039466	906.38	798.46	34040126	10.0000
Levetiracetam	2.648	2401632	352.12	624.64	51522190	10.0000
Lorazepam	4.407	503731	435.80	65.64	23789492	10.0000
Maprotiline	4.412	1934392	41.38	396.41	11635081	10.0000
MDA	3.014	4052847	605.52	984.46	37310517	10.0000
MDEA	3.243	7819973	1648.42	339.67	37310517	10.0000
MDMA	3.090	9243109	789.97	1863.88	37310517	10.0000
Meperidine	3.595	3250118	283.71	469.36	21115266	10.0000
Meprobamate	3.659	1397308	2085.77	85.35	12595611	10.0000
Methadone	4.377	10875434	1506.74	351.24	2269832	10.0000
Methamphetamine	3.016	9582932	2165.62	549.96	37310517	10.0000
Methocarbamol	3.565	195268	97.35	95580.59	2269832	10.0000
Methylphenidate	3.504	17189505	9394.29	273.95	27680883	10.0000
Metoprolol	3.439	1193516	452.83	7133.48	21115266	10.0000
Midazolam	4.698	1058256	942.18	492.65	23789492	10.0000
Mirtazapine	3.809	4781761	735052.83	4027962.17	21115266	10.0000
Mitragynine	4.140	743973	944.65	995318.65	21115266	10.0000
Morphine	2.293	449078	5.84	183.83	537883	10.0000
Norbuprenorphine	3.816	137710	157632.87	77743.17	5848050	10.0000
Nordiazepam	4.674	2190577	1143.08	853.68	23789492	10.0000
Norfentanyl	3.334	10884361	1215.43	43.70	40789459	10.0000
Norhydrocodone	2.932	214273	166.24	55.18	537883	10.0000

Cal

Generated at 8:55 AM on 4/11/2024

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AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Norketamine	3.489	1043175	595.70	2508.02	19511373	10.0000
Normeperidine	3.612	3209466	40307.97	413.03	51522190	10.0000
Noroxycodone	2.884	1536530	∞	188.52	19511373	10.0000
Nortriptyline	4.413	2392348	1029.18	778.57	11635081	10.0000
O-desmethyl-tramadol	2.918	11068464	10766.18	304.25	51522190	10.0000
O-desmethylvenlafaxine	3.254	2377232	3890.04	7401.41	15057307	10.0000
Olanzapine	3.774	1955882	1151596.78	444582.69	389561	10.0000
Oxazepam	4.503	1997676	629.39	120.10	15487867	10.0000
Oxycodone	2.913	3795039	304.97	671.59	19511373	10.0000
Oxymorphone	2.351	1741610	199.58	11136.13	537883	10.0000
Paroxetine	4.328	508567	223.28	700.78	6167942	10.0000
Phenazepam	4.619	2781983	1090.99	357723.03	23789492	10.0000
Phencyclidine	3.904	9699770	1961.16	458.79	21115266	10.0000
Phentermine	3.169	2364698	110.24	71.21	27680883	10.0000
Phenytoin	4.105	714583	433.70	356.39	389561	10.0000
Primidone	3.475	13922918	1324.03	581.97	389561	10.0000
Promethazine	4.302	9598896	1241.59	504.67	51522190	10.0000
Pseudoephedrine	2.740	63125565	13666.15	6097.99	37310517	10.0000
Quetiapine	4.356	6619283	1182.61	1114.83	41704658	10.0000
Risperidone	4.016	7778927	312486.51	411.27	39823463	10.0000
Sertraline	4.548	1197237	2651.32	1259.20	6167942	10.0000
Sufentanil	4.310	351313	35008.48	369.13	40789459	10.0000
Tapentadol	3.444	8400694	1827.66	4792.13	19511373	10.0000
Temazepam	4.641	5102241	664.15	224.81	23789492	10.0000
Topiramate	3.834	762049	465661.45	210030.50	295243	10.0000
Tramadol	3.424	26392606	∞	331.18	51522190	10.0000
Trazodone	4.372	9819868	1886.87	1111.03	35158185	10.0000
Venlafaxine	3.808	10022485	1870.31	304.96	15057307	10.0000
Xylazine	3.382	3832645	1314.99	111.79	19511373	10.0000
Zaleplon	4.301	2477768	712.25	1116.78	41704658	10.0000
Zolpidem	4.131	13086609	7049513.21	2287252.88	41704658	10.0000
Zopiclone	3.986	1087712	24591.93	3017.66	5462230	10.0000



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

Extraction Date: 04/09/2024

Plate lot#: 231212

Mobile phase A: 10mM Amm Form

Blank Blood Lot: Lampire 23A52595

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 06/12/2024

Mobile phase B: 0.1% Formic Acid in MeOH

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

Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis (if applicable): add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
- 3. Using a calibrated pipette, add **1000µl blood or 1000µl hydrolyzed urine** into the appropriate wells of analytical (standards) plate. **Pipette ID: #42**
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Pipette **500µL 0.1% formic acid in water to blood samples and 500µl of saturated phosphate buffer to urine samples** to the appropriate wells of the analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **800µL of blood+acid mixture or urine+acid** to corresponding wells of SLE+ plate.
- 8. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)** Manifold ID: 067104
- 9. Wait 5 minutes.
- 10. Add **2.25mL MTBE. (Add in 3 increments of 750uL)**
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 13. Add **2.25mL Hexane. (Add in 3 increments of 750uL)**
- 14. Wait 5 minutes.
- 15. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 16. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. **SPE Dry ID: 067103**
- 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make any necessary integration changes, R^2 values ≥ 0.98 for each analyte
- 3. RT +/- 2% or 0.100 min, whichever is greater
- 4. Confirmation testing on case samples with a response for THC and OH-THC of 3ng/mL or greater and/or Carboxy-THC at 10ng/mL or greater (analyst discretion between 5-10ng/mL) may be pursued.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

9

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2024-1281-2	P2024-0902-1	P2024-0933-1	
b	cal 3 ng	NEG CTRL	P2024-0707-1	P2024-0904-2	P2024-0934-1	
c	cal 5 ng	M2023-4357-3	P2024-0788-1	P2024-0910-1	P2024-0935-1	
d	cal 10ng	M2024-1021-1	P2024-0887-1	P2024-0919-1	P2024-0936-1	
e	cal 25 ng	M2024-1116-1	P2024-0893-1	P2024-0920-1	P2024-0967-1	
f	cal 50 ng	M2024-1127-1	P2024-0895-1	P2024-0924-1	P2024-0976-1	
g	cal 100 ng	M2024-1204-2	P2024-0898-1	P2024-0925-1	P2024-1014-1	
h	QC 1	M2024-1205-2	P2024-0899-1	P2024-0932-1		

AM #26 Cannabinoids Screen Results



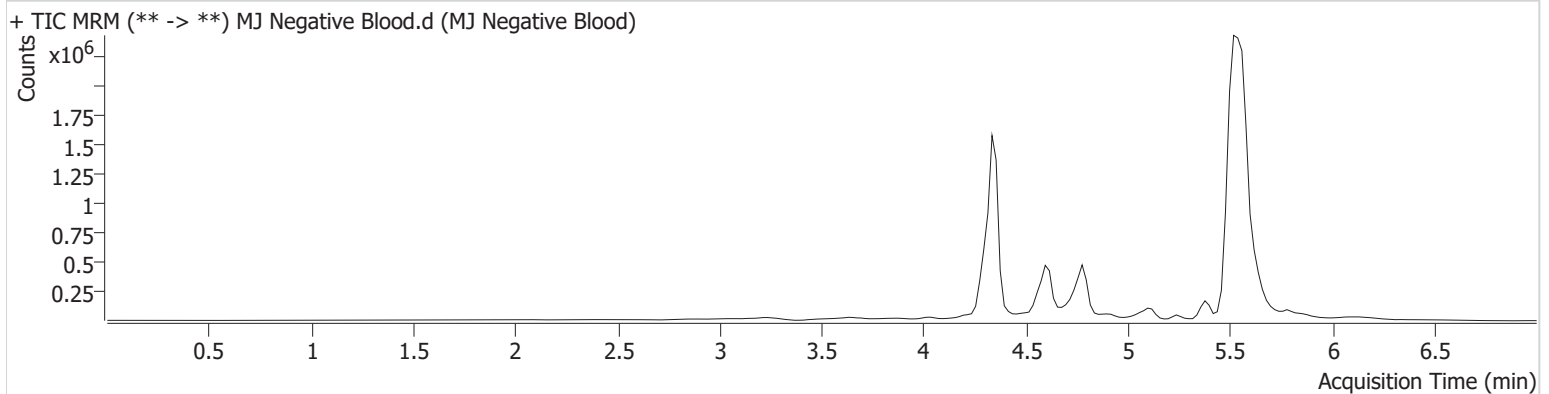
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 4/9/2024 12:11:05 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



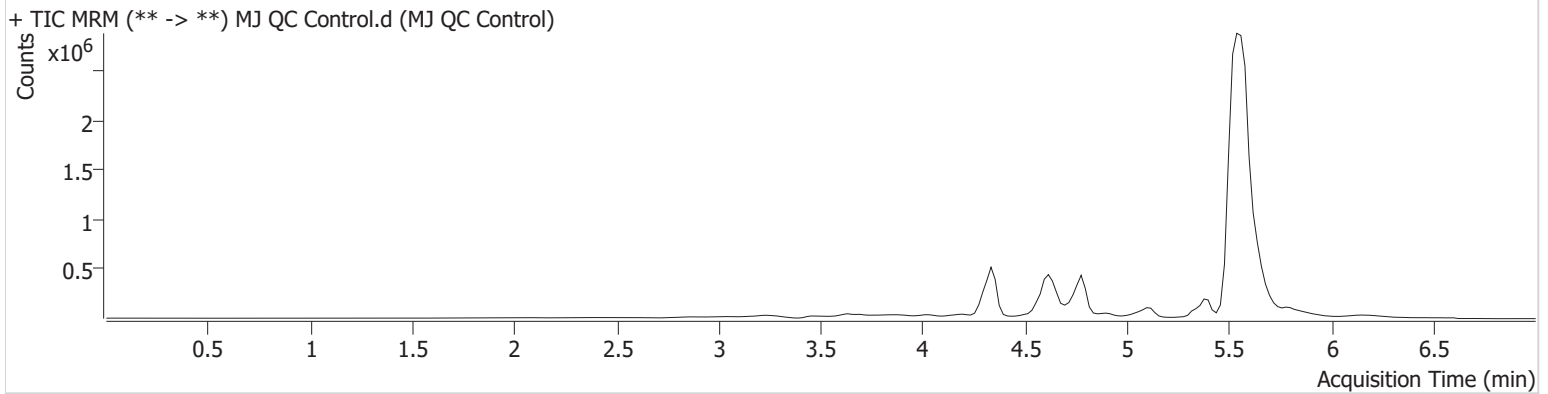
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 4/9/2024 11:55:54 AM
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	5.509	8039	422934	4.43 ng/ml
THC-COOH	4.636	328807	1394012	16.90 ng/ml
THC-OH	4.362	19009	2045999	4.89 ng/ml

AM #26 Cannabinoids Screen Results



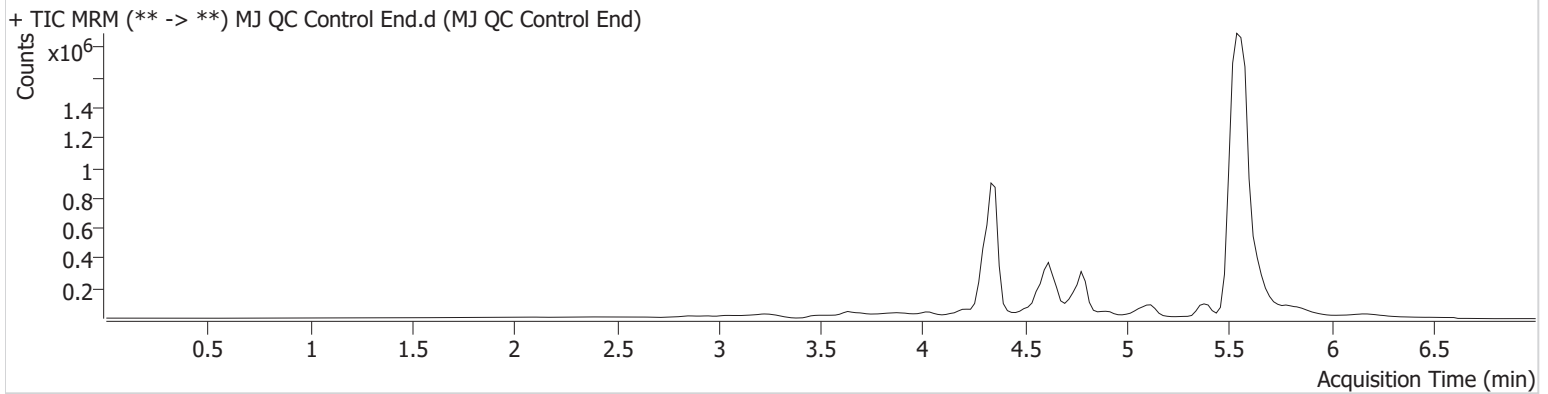
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 4/9/2024 5:00:26 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



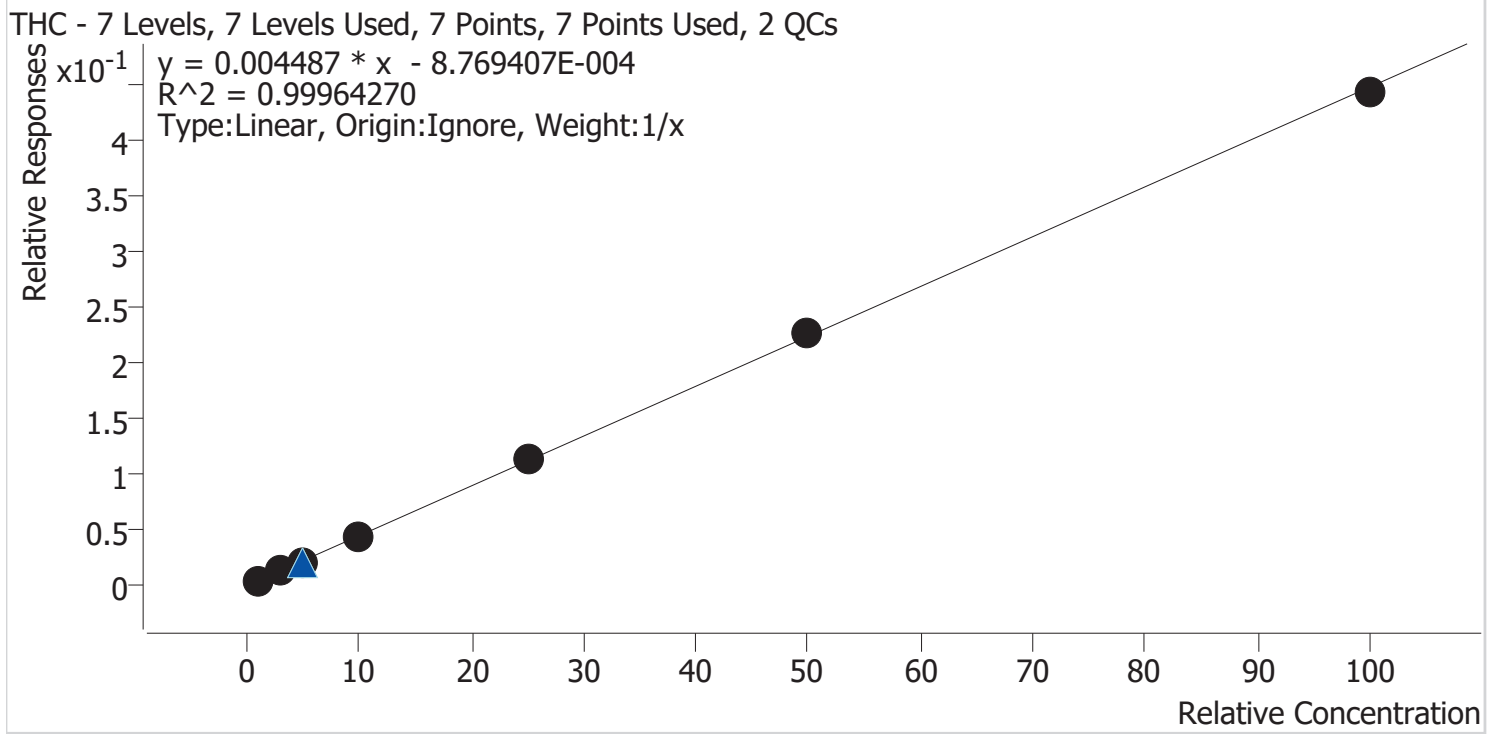
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.510	4975	255293	4.54 ng/ml
THC-COOH	4.636	237119	1336046	13.45 ng/ml
THC-OH	4.362	36143	3875367	4.91 ng/ml

2



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 4/11/2024 8:56 AM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3



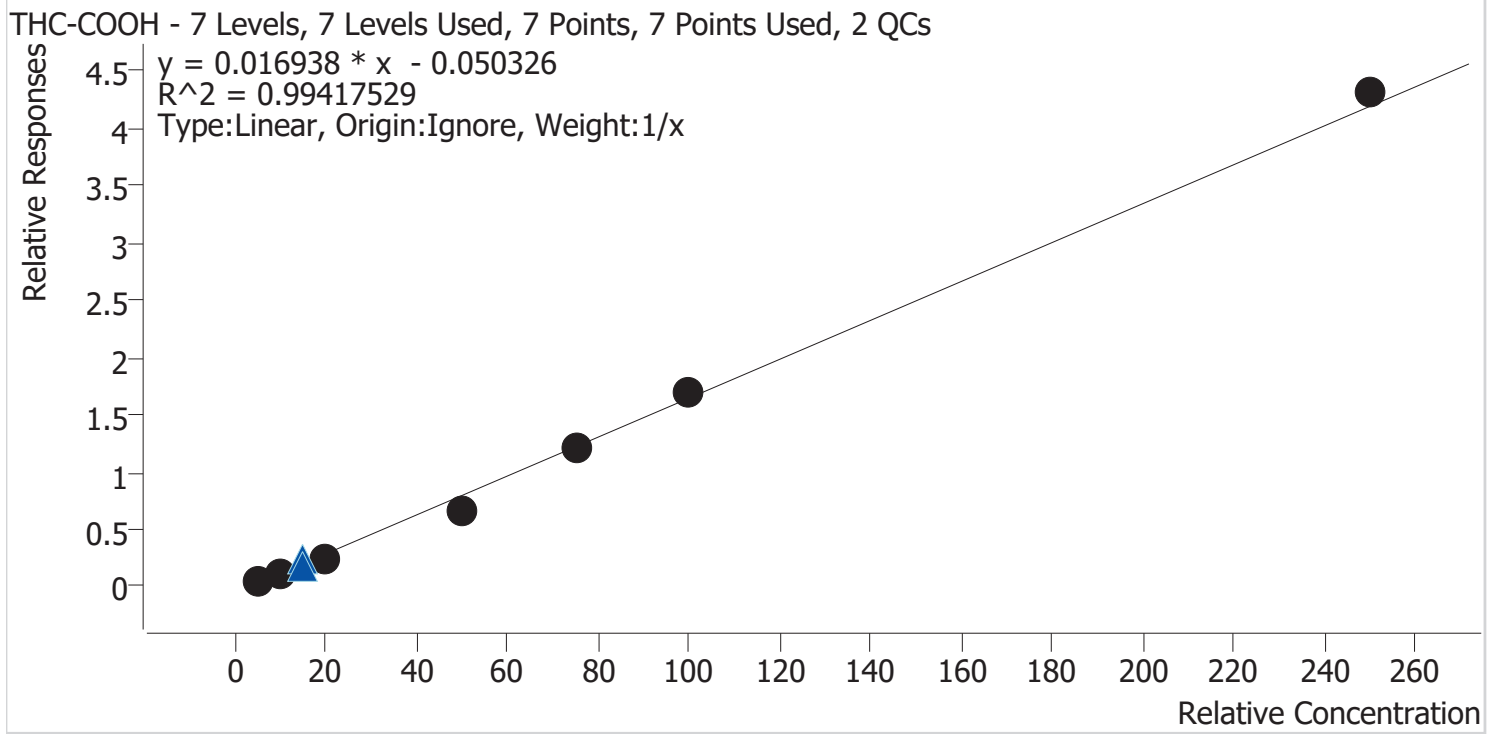
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.0	98.2
MJ Cal 2	2	✓	3.0	3.2	105.2
MJ Cal 3	3	✓	5.0	4.7	94.6
MJ Cal 4	4	✓	10.0	10.0	100.0
MJ Cal 5	5	✓	25.0	25.3	101.2
MJ Cal 6	6	✓	50.0	51.0	101.9
MJ Cal 7	7	✓	100.0	98.9	98.9

2



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 4/11/2024 8:56 AM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9



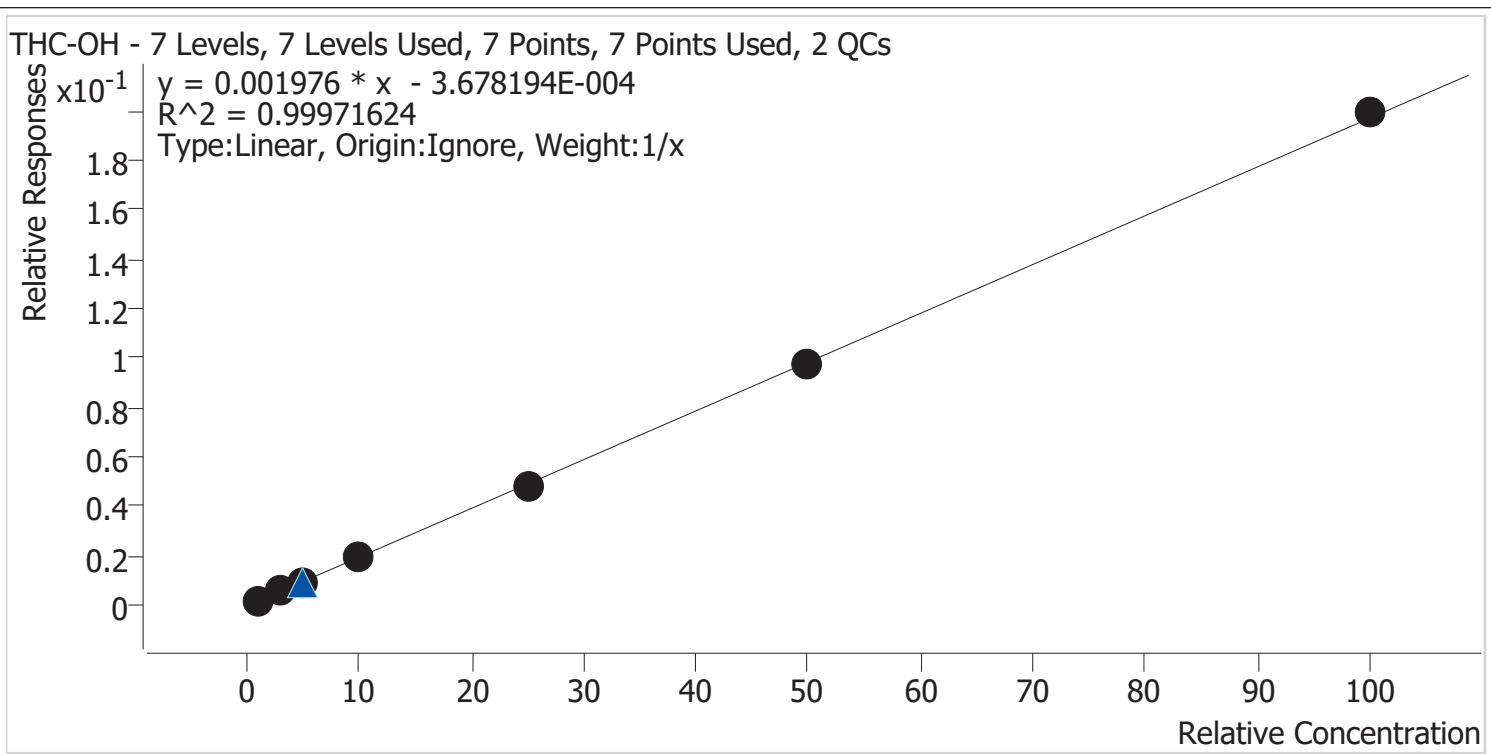
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	6.1	122.5
MJ Cal 2	2	✓	10.0	10.4	103.7
MJ Cal 3	3	✓	20.0	16.9	84.3
MJ Cal 4	4	✓	50.0	42.3	84.6
MJ Cal 5	5	✓	75.0	74.0	98.7
MJ Cal 6	6	✓	100.0	103.3	103.3
MJ Cal 7	7	✓	250.0	257.0	102.8

2



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 4/11/2024 8:56 AM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	108.2
MJ Cal 2	2	✓	3.0	3.0	98.5
MJ Cal 3	3	✓	5.0	4.9	97.4
MJ Cal 4	4	✓	10.0	9.8	97.8
MJ Cal 5	5	✓	25.0	24.3	97.2
MJ Cal 6	6	✓	50.0	49.9	99.8
MJ Cal 7	7	✓	100.0	101.1	101.1

AM #26 Cannabinoids Screen Results



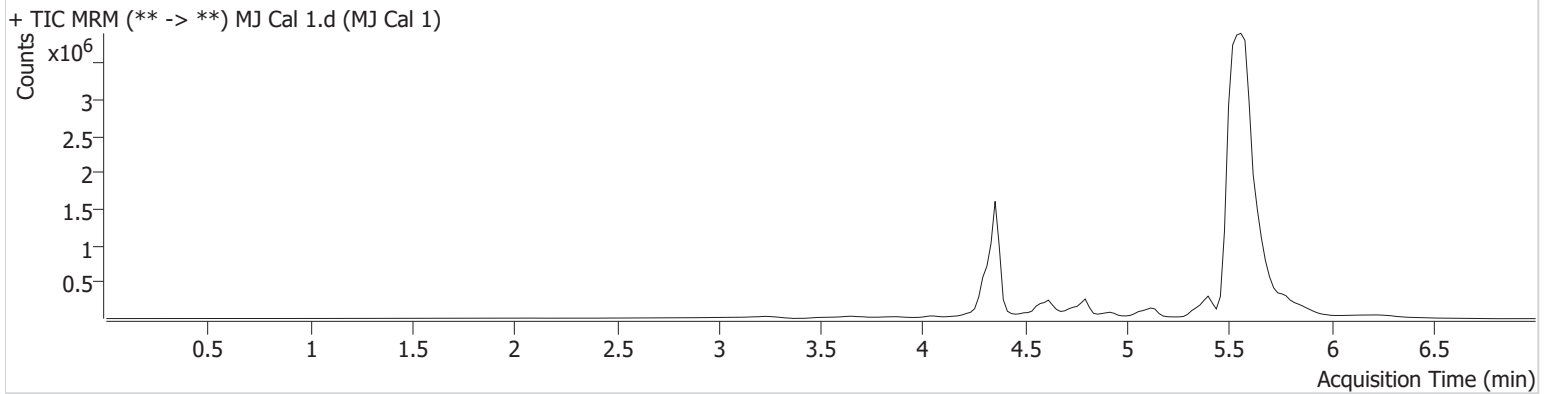
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 4/9/2024 11:02:45 AM
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	5.489	1549	438717	0.98 ng/ml Low
THC-COOH	4.656	63762	1192820	6.13 ng/ml
THC-OH	4.362	11183	6319559	1.08 ng/ml Low

AM #26 Cannabinoids Screen Results



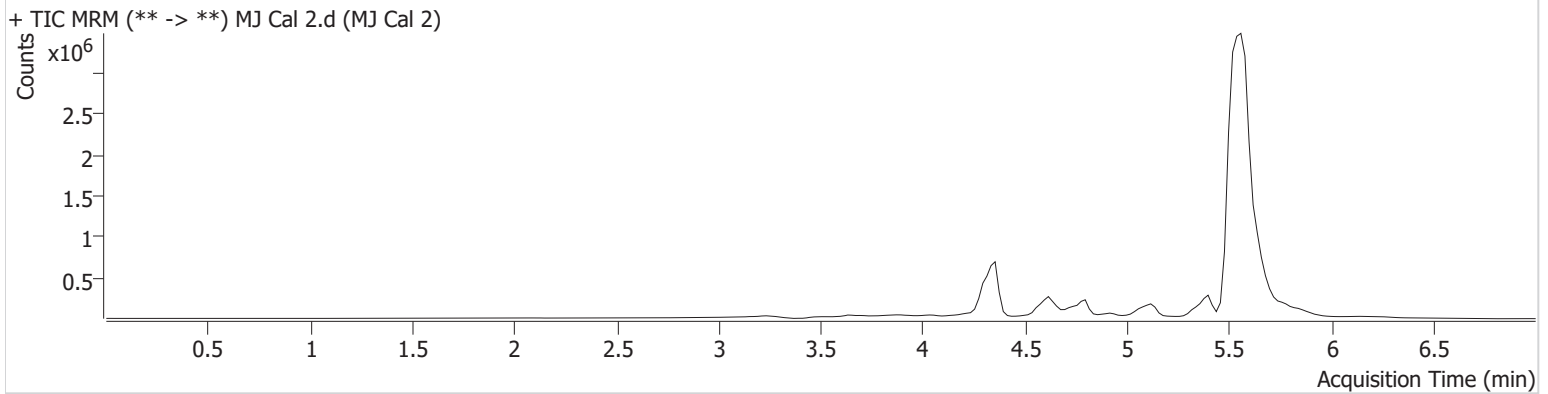
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 4/9/2024 11:10:29 AM
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	5.489	5917	445317	3.16 ng/ml
THC-COOH	4.636	122715	978943	10.37 ng/ml
THC-OH	4.362	18105	3310167	2.95 ng/ml Low

AM #26 Cannabinoids Screen Results



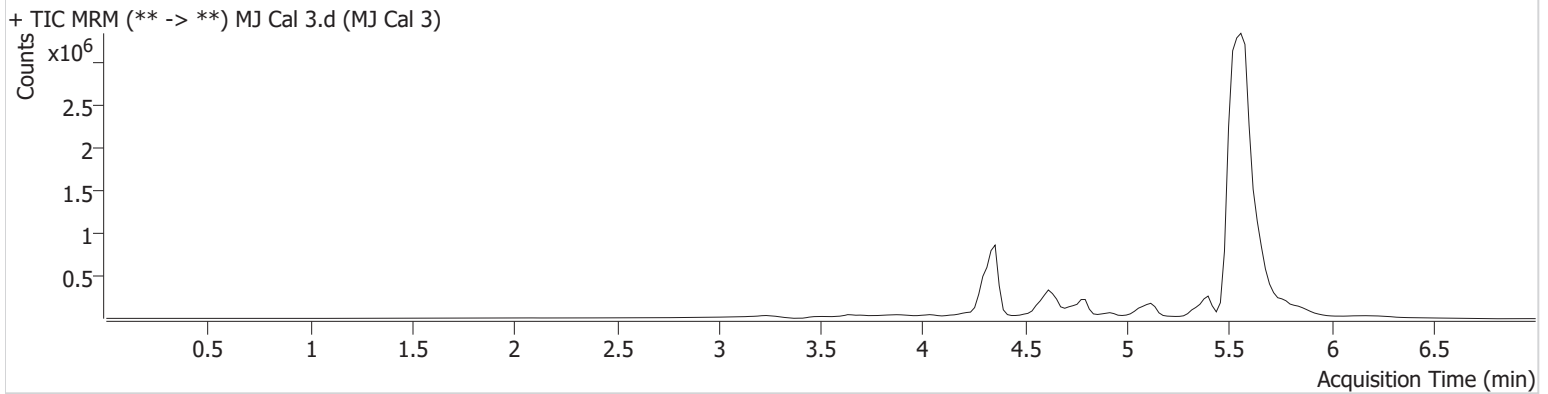
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 4/9/2024 11:18:03 AM
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	5.489	8603	422918	4.73 ng/ml
THC-COOH	4.636	254356	1080695	16.87 ng/ml
THC-OH	4.362	35445	3829462	4.87 ng/ml

AM #26 Cannabinoids Screen Results



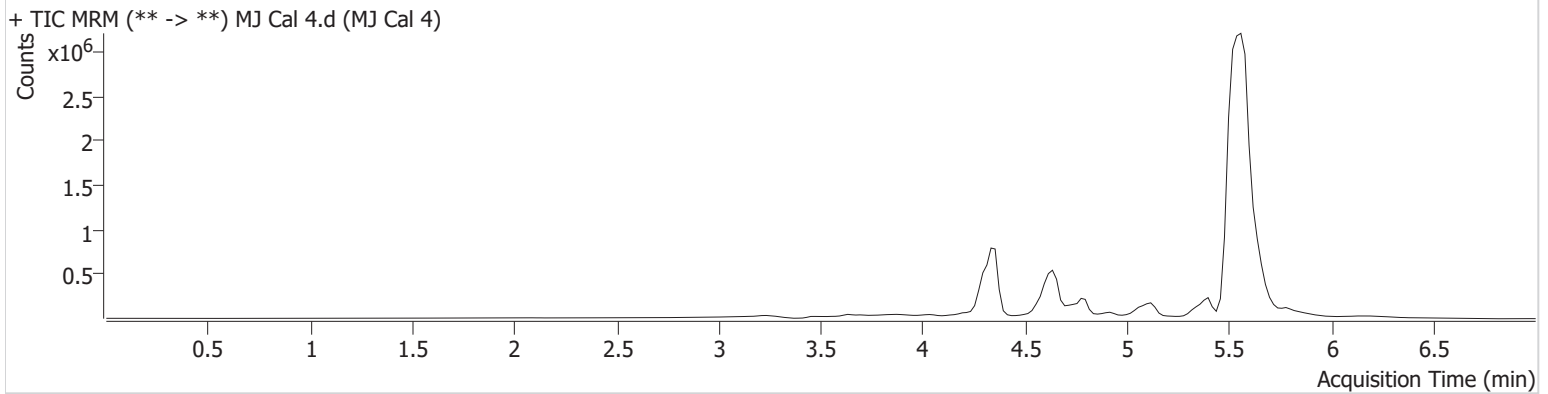
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 4/9/2024 11:25:37 AM
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	5.489	19054	433262	10.00 ng/ml
THC-COOH	4.636	698490	1048910	42.29 ng/ml
THC-OH	4.362	67107	3540012	9.78 ng/ml

AM #26 Cannabinoids Screen Results



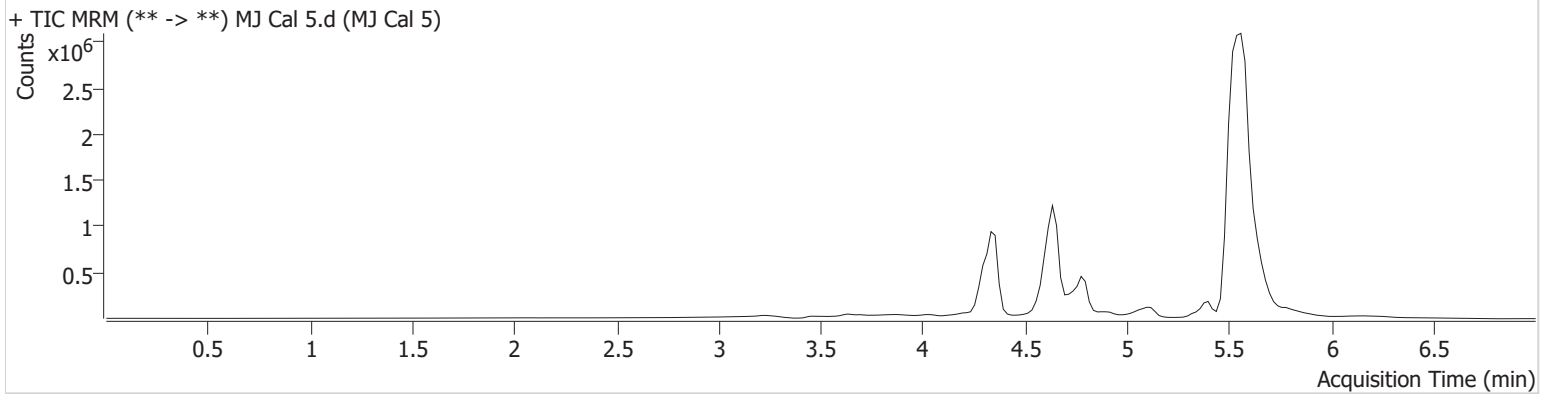
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 4/9/2024 11:33:11 AM
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	5.489	47210	418863	25.31 ng/ml
THC-COOH	4.636	1647236	1368368	74.04 ng/ml
THC-OH	4.362	162616	3411262	24.31 ng/ml

AM #26 Cannabinoids Screen Results



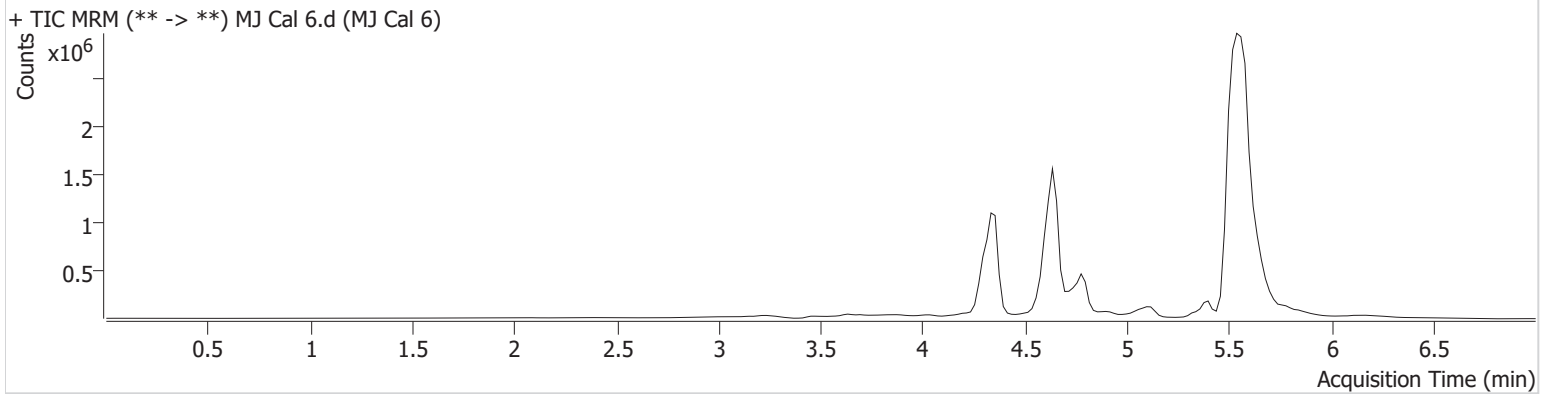
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 4/9/2024 11:40:46 AM
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	5.489	87307	383177	50.97 ng/ml
THC-COOH	4.636	2317303	1363768	103.29 ng/ml
THC-OH	4.362	301785	3072067	49.90 ng/ml

AM #26 Cannabinoids Screen Results



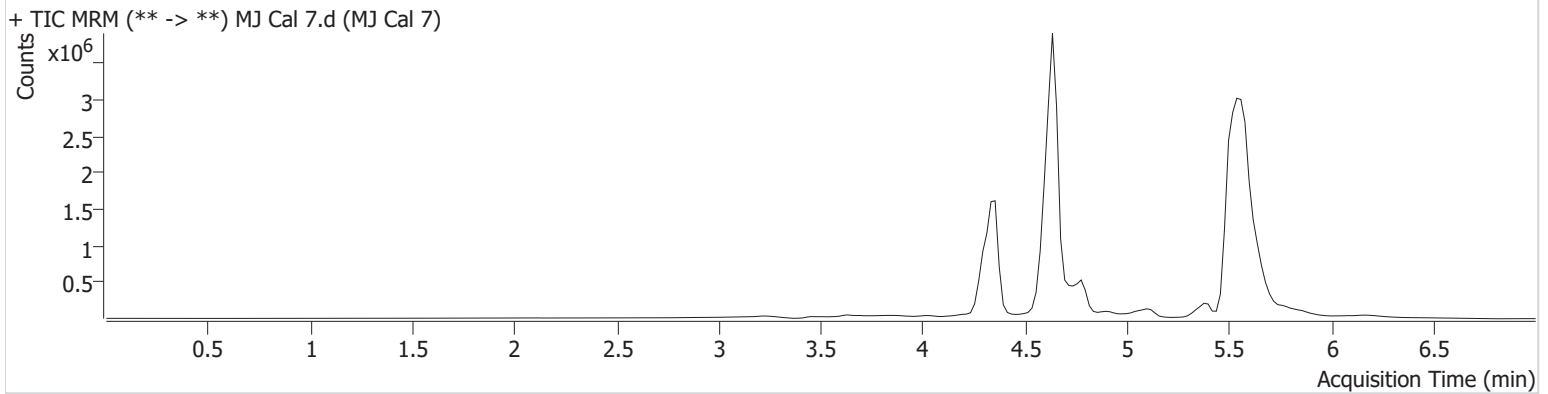
Batch results D:\MassHunter\Data\2024\AM 25 26\040924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/11/2024 8:56:15 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 4/9/2024 11:48:20 AM
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	5.489	134488	303768	98.85 ng/ml
THC-COOH	4.636	6260450	1454978	257.01 ng/ml
THC-OH	4.362	630080	3159792	101.10 ng/ml