

Worklist: 6954

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-2744	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-3891	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-3908	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4001	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2024-4049	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2024-4052	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4059	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4094	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4095	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4116	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-4231	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2024-3023	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2024-3036	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3040	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3052	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3053	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3054	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3084	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3085	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3096	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3098	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6954

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-3101	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2024-3120	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3123	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3143	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3144	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3147	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-3157	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: 10/16/2024

Plate lot#: 240524

Mobile phase A: 10mM Amm Form in LCMS Water

Blank Blood Lot: Lampire 24C52816

LCMS-QQQ ID: 069901

Analyst: Tamara Salazar

Plate Retest Date: 11/24/2024

Mobile phase B: 0.1% Formic Acid in MeOH

Blank Urine Lot: POC021022

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: 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.
- ☒ 16. Add 50µL 1% HCl in MeOH to wells and place ACT plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
- ☒ 17. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- ☒ 18. 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 due to an instrument clog. The clog was cleared from the instrument and the run was continued on 10/17/2024.

Gabapentin not evaluated due to significant response in the negative control.

Analytical Plate Map

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + Sample	P2024-3053-1	P2024-3143-1	P2024-3023-2	M2024-4052-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
B	IS + Cal. 1	IS + Sample	P2024-3054-1	P2024-3144-1	P2024-3101-1	M2024-4059-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
C	IS + Control 1	IS + Sample	P2024-3084-2	P2024-3147-2	IS + Sample	M2024-4094-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
D	IS + Control 1	IS + Sample	P2024-3085-1	P2024-3157-1	IS + Sample	M2024-4095-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
E	Neg Blood	IS + Sample	P2024-3096-1	Neg Urine	IS + Sample	M2024-4116-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Control 1
F	M2024-2744-1	IS + Sample	P2024-3098-1	M2024-4001-2	IS + Sample	P2024-3036-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Control 1
G	M2024-3891-2	IS + Sample	P2024-3120-1	M2024-4049-3	IS + Sample	P2024-3040-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1
H	M2024-3908-1	IS + Sample	P2024-3123-1	M2024-4231-1	IS + Sample	P2024-3052-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1

All wells to contain 60 µl of residual DMSO

SLE Plate Map

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	M2024-4052-1	P2024-3053-1	P2024-3143-1	P2024-3023-2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
B	IS + Cal. 1	M2024-4059-1	P2024-3054-1	P2024-3144-1	P2024-3101-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
C	IS + Control 1	M2024-4094-1	P2024-3084-2	P2024-3147-2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
D	IS + Control 1	M2024-4095-1	P2024-3085-1	P2024-3157-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
E	Neg Blood	M2024-4116-1	P2024-3096-1	Neg Urine	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Control 1
F	M2024-2744-1	P2024-3036-1	P2024-3098-1	M2024-4001-2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Control 1
G	M2024-3891-2	P2024-3040-1	P2024-3120-1	M2024-4049-3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1
H	M2024-3908-1	P2024-3052-1	P2024-3123-1	M2024-4231-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1

All wells to contain 60 µl of residual DMSO



AM #25 Multi-Drug Screen. Results

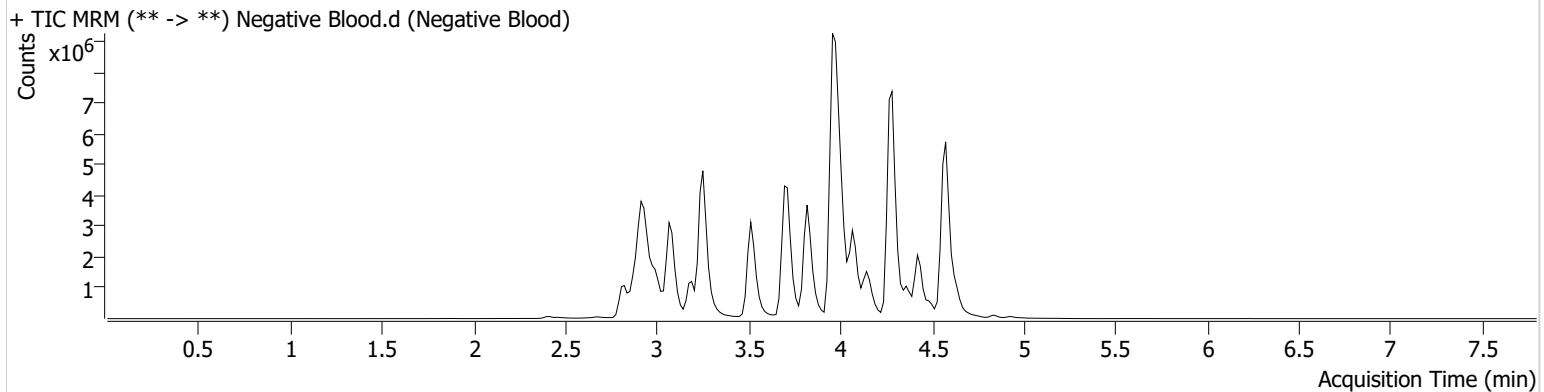
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Calibration Last Update 10/23/2024 4:19:41 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P2-E1
Injection Volume 5
Acq. Date-Time 10/16/2024 4:26:04 PM
Sample Info.

Data File Negative Blood.d
Sample Negative Blood
Operator Tamara Salazar
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.
Gabapentin	2.420	13055	43.24	108.78	6269684	9.1291



AM #25 Multi-Drug Screen. Results

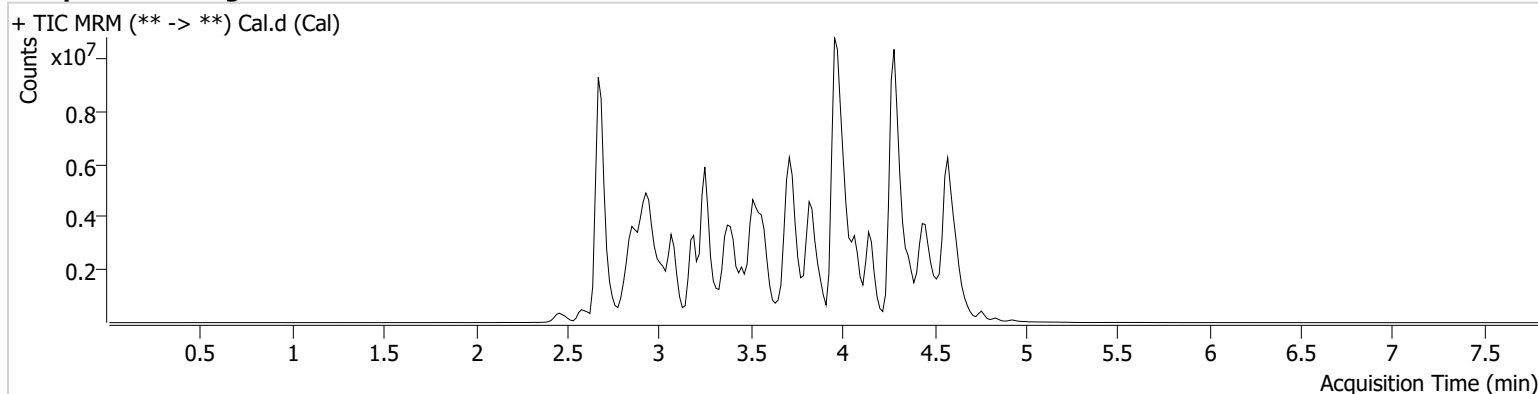
Batch results D:\MassHunter\Data\2024\AM 25 26\101624 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 10/23/2024 4:19:41 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 25 MDS.m
Sample Position P2-A1
Injection Volume 5
Acq. Date-Time 10/16/2024 4:17:28 PM
Sample Info.

Data File Cal.d
Sample Cal
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.702	1394520	73.90	252.14	7011032	10.0000
6-MAM	2.912	22379	289.92	180.85	517432	10.0000
7-aminoclonazepam	3.500	110923	277.07	482.19	431510	10.0000
7-aminoflunitrazepam	3.700	214345	710.24	32719.66	431510	10.0000
9-Hydroxyrisperidone	3.831	2445980	1232809.62	30936.90	9802530	10.0000
Acetyl Fentanyl	3.851	160665	113.35	35539.63	13800121	10.0000
Acetyl Norfentanyl	2.844	171540	479.16	765.04	13800121	10.0000
a-hydroxyalprazolam	4.437	97770	817.06	40515.93	431510	10.0000
alpha-hydroxymidazolam	4.513	766347	586.22	1015.63	431510	10.0000
Alpha-PHP	3.781	1400177	3825.10	2937.62	13800121	10.0000
alpha-PVP	3.505	1768885	368.53	368.45	3358858	10.0000
Alprazolam	4.532	889750	578.50	909.62	5745799	10.0000
Amitriptyline	4.366	530787	90.73	123.13	1963075	10.0000
Amphetamine	2.848	1576701	943.34	3132.40	3358858	10.0000
Benzoylecgonine	3.299	42678	2103.80	68.93	185204	10.0000
Bromazolam	4.589	597622	15489.33	15835.01	5745799	10.0000
Brompheniramine	3.975	41555	1153.05	405.51	23987499	10.0000
Buprenorphine	4.648	34222	287.32	146.04	1655278	10.0000
Bupropion	3.734	1772462	703.73	843.64	6189059	10.0000
Carbamazepine	4.168	3209006	∞	1471.64	113566	10.0000
Carisoprodol	4.152	440971	243253.35	192.45	2714913	10.0000
Chlordiazepoxide	4.657	435346	1670.66	378.79	5745799	10.0000
Chlorpheniramine	3.886	2602840	857.07	5.04	4202704	10.0000
Chlorpromazine	4.577	368465	179502.33	330.37	1812945	10.0000
Citalopram	4.005	1335674	567.99	295174.3	23987499	10.0000
Clomipramine	4.578	567681	7800.95	1757.29	23987499	10.0000
Clonazepam	4.362	498598	452.47	100979.6	113566	10.0000
Clonazepam	4.296	395101	5522.05	75480.24	5745799	10.0000
Clozapine	4.282	1403166	1097.64	4493.44	5316293	10.0000
Cocaethylene	3.727	1731060	495618.66	5581.11	8397435	10.0000



AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cocaine	3.513	1728560	569.49	473.01	8397435	10.0000
Codeine	2.840	151953	2394.86	294.23	3274876	10.0000
Cyclobenzaprine	4.289	689714	576.80	146.41	1963075	10.0000
Desipramine	4.306	1352891	700.66	329.20	1963075	10.0000
Dextromethorphan	4.011	845511	266.71	197.86	4202704	10.0000
Dextrorphan	3.317	1096742	622.58	663.30	4202704	10.0000
Diazepam	4.766	455889	1346.77	525.23	5745799	10.0000
Dihydrocodeine	2.747	457648	423.64	750.90	3274876	10.0000
Diphenhydramine	3.965	2990915	592.84	715.10	23987499	10.0000
DMT	2.922	88751	291.15	75.24	4202704	10.0000
Doxepin	4.103	765392	296.78	68.97	7613006	10.0000
Doxylamine	3.578	3578739	353.84	746.12	4202704	10.0000
Duloxetine	4.272	16144	3770.01	1587.77	231631	10.0000
EDDP	3.994	160316	186.59	580.83	896513	10.0000
Estazolam	4.442	1875132	1613.07	1200.97	5745799	10.0000
Etizolam	4.544	127411	68172.81	1651.78	5745799	10.0000
Fentanyl	4.081	94502	71.64	322.26	6423323	10.0000
Flualprazolam	4.391	306854	5910.53	1239.64	5745799	10.0000
Flunitrazepam	4.485	833944	774.82	155.01	5745799	10.0000
Fluorofentanyl	4.126	192037	1459.00	310.77	6423323	10.0000
Fluoxetine	4.270	587512	694.75	113.29	957255	10.0000
Flurazepam	4.141	1153823	417441.22	164.03	5745799	10.0000
Gabapentin	2.435	12126	45.58	145.83	5316293	10.0000
Hydrocodone	3.023	633750	875.59	294.56	3274876	10.0000
Hydromorphone	2.612	461342	11295.07	510.46	3274876	10.0000
Hydroxyzine	4.450	1138291	1249.14	606.89	5316293	10.0000
Imipramine	4.335	1704140	455.89	1346.86	1963075	10.0000
Ketamine	3.550	1344287	599.12	144.69	4313384	10.0000
Lamotrigine	3.548	1015888	2610.67	15650.49	23987499	10.0000
Levamisole	2.982	1137398	720.15	319.60	8397435	10.0000
Levetiracetam	2.588	832739	696.78	389.62	23987499	10.0000
Lorazepam	4.361	179730	511.00	∞	5745799	10.0000
Maprotiline	4.382	337538	44.51	284.75	1963075	10.0000
MDA	2.953	935880	565.97	681.15	9540654	10.0000
MDEA	3.182	1516474	662.67	514.66	9540654	10.0000
MDMA	3.029	1880496	1027.13	321.88	9540654	10.0000
Meperidine	3.564	939833	615.53	843.86	4202704	10.0000
Meprobamate	3.598	218012	1823.38	803.88	2714913	10.0000
Methadone	4.316	2045525	1375.28	1708.13	896513	10.0000
Methamphetamine	2.955	3811609	3793.67	350.18	9540654	10.0000
Methocarbamol	3.503	142750	358.78	131.08	896513	10.0000
Methylphenidate	3.458	3947713	64.06	104.01	8513317	10.0000
Metoprolol	3.378	309138	2903.44	424.11	4202704	10.0000
Midazolam	4.683	245931	546.98	35244.43	5745799	10.0000
Mirtazapine	3.964	1361528	1693.45	5872.70	4202704	10.0000
Mitragynine	4.156	170139	60867.63	212257.3 0	4202704	10.0000
Morphine	2.491	92126	∞	1108.74	79946	10.0000
Norbuprenorphine	3.785	35582	15195.38	12011.26	1655278	10.0000
Nordiazepam	4.629	549881	497.13	134.59	5745799	10.0000
Norfentanyl	3.273	3116755	927.07	99.12	13800121	10.0000
Norhydrocodone	2.887	11272	65.16	2554.02	3274876	10.0000
Norketamine	3.659	250737	218.07	2180.82	4313384	10.0000
Normeperidine	3.535	713750	541.60	338.44	23987499	10.0000
Noroxycodone	2.839	506961	∞	76.05	4313384	10.0000
Nortriptyline	4.352	347417	378.59	250.79	1963075	10.0000
O-desmethyl-tramadol	2.858	3238307	5644.12	3152.43	23987499	10.0000
O-desmethylvenlafaxine	3.193	675137	447.58	9691.59	3114252	10.0000
Olanzapine	3.390	7753	55.18	24.28	113566	10.0000
Oxazepam	4.442	705392	609.43	212.55	4583330	10.0000



AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Oxycodone	2.899	976363	288.81	378.90	4313384	10.0000
Oxymorphone	2.457	749446	∞	198.99	3274876	10.0000
Paroxetine	4.267	80705	132.32	124776.0 4	957255	10.0000
Phenazepam	4.559	646612	960.89	775.52	5745799	10.0000
Phencyclidine	3.843	2142053	439.99	443.08	4202704	10.0000
Phentermine	3.093	855258	138.41	12.06	8513317	10.0000
Phenytoin	4.058	193308	347.41	50.78	113566	10.0000
Primidone	3.413	2977745	171541.39	865.47	113566	10.0000
Promethazine	4.288	2024157	709.01	912.04	23987499	10.0000
Pseudoephedrine	2.679	27215828	2625.14	1445.36	9540654	10.0000
Quetiapine	4.465	1781131	1334552.22	814.18	15670317	10.0000
Risperidone	4.032	2433144	5163.69	460.14	9802530	10.0000
Sertraline	4.502	198043	131.21	134.12	957255	10.0000
Sufentanil	4.434	70607	33596.81	428.56	13800121	10.0000
Tapentadol	3.382	1988249	578.20	1990.14	4313384	10.0000
Temazepam	4.595	1267907	515.78	163.75	5745799	10.0000
Topiramate	3.788	128268	2098.02	40873.68	76449	10.0000
Tramadol	3.362	6126618	103.07	17.93	23987499	10.0000
Trazodone	4.619	2111947	1268469.90	296843.3 5	7613006	10.0000
Venlafaxine	3.731	3019576	1222.00	462.04	3114252	10.0000
Xylazine	3.351	868798	510.12	92.63	4313384	10.0000
Zaleplon	4.255	701328	763167.67	967.52	15670317	10.0000
Zolpidem	4.286	3113693	1348127.63	2094.40	15670317	10.0000
Zopiclone	4.171	176311	653.26	52001.95	862577	10.0000



AM #25 Multi-Drug Screen. Results

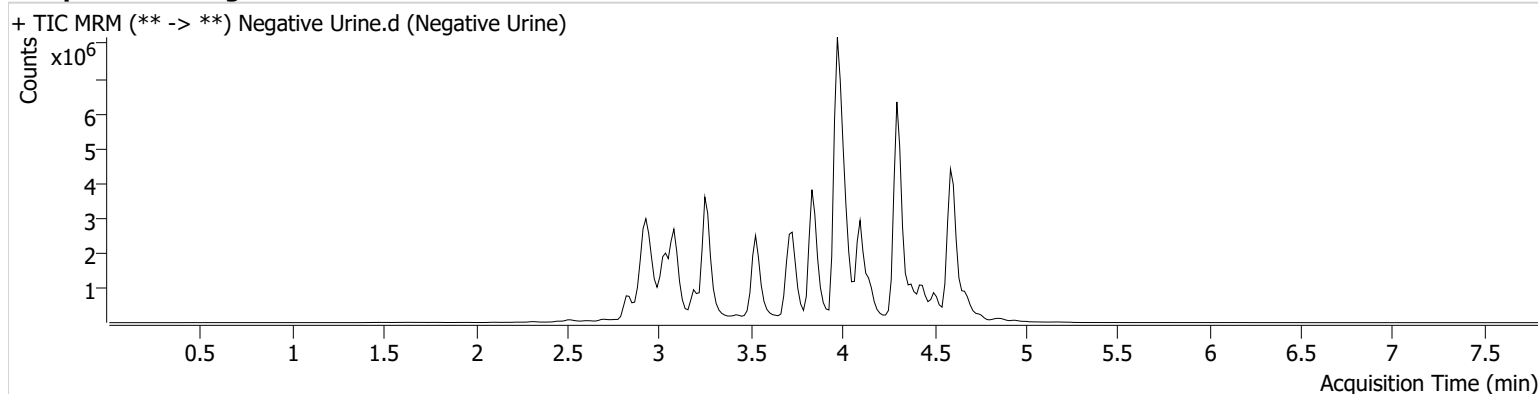
Batch results D:\MassHunter\Data\2024\AM 25 26\101624 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 10/23/2024 4:19:41 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P2-E4
Injection Volume 5
Acq. Date-Time 10/17/2024 9:26:47 AM
Sample Info.

Data File Negative Urine.d
Sample Negative Urine
Operator Tamara Salazar
Comment

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Sample Chromatogram





AM #25 Multi-Drug Screen. Results

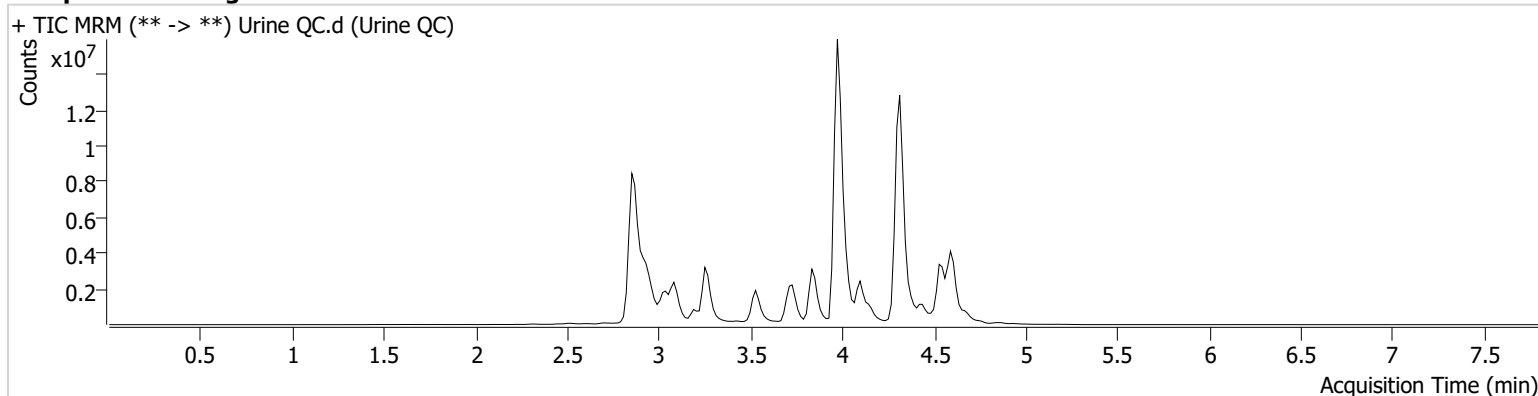
Batch results D:\MassHunter\Data\2024\AM 25 26\101624 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 10/23/2024 4:19:41 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P2-C1
Injection Volume 5
Acq. Date-Time 10/17/2024 9:18:20 AM
Sample Info.

Data File Urine QC.d
Sample Urine QC
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.532	5030348	1556.46	1818.35	3626614	89.5735
Amphetamine	2.864	8368572	19266.73	781.32	1830968	97.3672
Codeine	2.870	1001068	1802.99	614.82	2211848	97.5425
Diphenhydramine	3.980	23444299	6046.62	6949.51	17174009	109.4829
Zolpidem	4.317	22414047	20450.62	4561.78	10278490	109.7471

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

Extraction Date: 10/16/2024

Plate lot#: 240513

Mobile phase A: 0.1% Formic Acid in LCMS Water

Blank Blood Lot: Lampire 24C52816

Column: UCT Selectra DA 100 x 2.1mm 3um

Analyst: Tamara Salazar

Plate Retest Date: 11/13/2024

Mobile phase B: 0.1% Formic acid in Acetonitrile

Blank Urine Lot: POC021022

LCMS-QQQ ID: 069901

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 1000µL blood or 1000µL urine in wells of analytical (standards) plate. **Pipette ID: 42**
- ☒ 3. **Urine hydrolysis add 100 ul BG turbo, and 200 ul BG turbo buffer to the urine samples in wells of the analytical plate.**
- ☒ 4. Add **500µL of 0.1% formic acid in water** in the wells of the analytical plate.
- ☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate.
Amount transferred: **750 µL**
- ☒ 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.

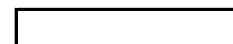
Post-Analytic

- ☒ 1. Create batch and process data.
- ☒ 2. Make any necessary integration changes, Curve weighting of Linear 1/x with r^2 values ≥ 0.98 for each analyte
- ☒ 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less).
Ion ratios must be within +/- 20% of the averaged calibrators
- ☒ 4. Did all QCs pass for each analyte? (if not, describe in comments section)
- ☒ 5. Enter QCs into control charting.
- ☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

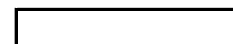
	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	M2024-4095-1	P2024-3085-1	P2024-3157-1	IS + QC_1
B	IS + Cal. 2	Neg Blood	M2024-4116-1	P2024-3096-1	Neg Urine	IS + Cal. 7
C	IS + Cal. 3	M2024-2744-1	P2024-3036-1	P2024-3098-1	M2024-4001-2	IS + Cal. 6
D	IS + Cal. 4	M2024-3891-2	P2024-3040-1	P2024-3120-1	M2024-4049-3	IS + Cal. 5
E	IS + Cal. 5	M2024-3908-1	P2024-3052-1	P2024-3123-1	M2024-4231-1	IS + Cal. 4
F	IS + Cal. 6	M2024-4052-1	P2024-3053-1	P2024-3143-1	P2024-3023-2	IS + Cal. 3
G	IS + Cal. 7	M2024-4059-1	P2024-3054-1	P2024-3144-1	P2024-3101-1	IS + Cal. 2
H	IS + QC_1	M2024-4094-1	P2024-3084-2	P2024-3147-2	IS + QC_1	IS + Cal. 1

All wells to contain 100 µl of residual DMSO



	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	M2024-4095-1	P2024-3085-1	P2024-3157-1	
B	IS + Cal. 2	Neg Blood	M2024-4116-1	P2024-3096-1	Neg Urine	
C	IS + Cal. 3	M2024-2744-1	P2024-3036-1	P2024-3098-1	M2024-4001-2	
D	IS + Cal. 4	M2024-3891-2	P2024-3040-1*	P2024-3120-1	M2024-4049-3	
E	IS + Cal. 5	M2024-3908-1	P2024-3052-1	P2024-3123-1	M2024-4231-1	
F	IS + Cal. 6	M2024-4052-1	P2024-3053-1	P2024-3143-1	P2024-3023-2	
G	IS + Cal. 7	M2024-4059-1	P2024-3054-1	P2024-3144-1	P2024-3101-1	
H	IS + QC_1	M2024-4094-1	P2024-3084-2	P2024-3147-2	P2024-3040-1*	

*Samples moved during step 6 of the extraction due to clotting





AM #26 Cannabinoids Screen Results

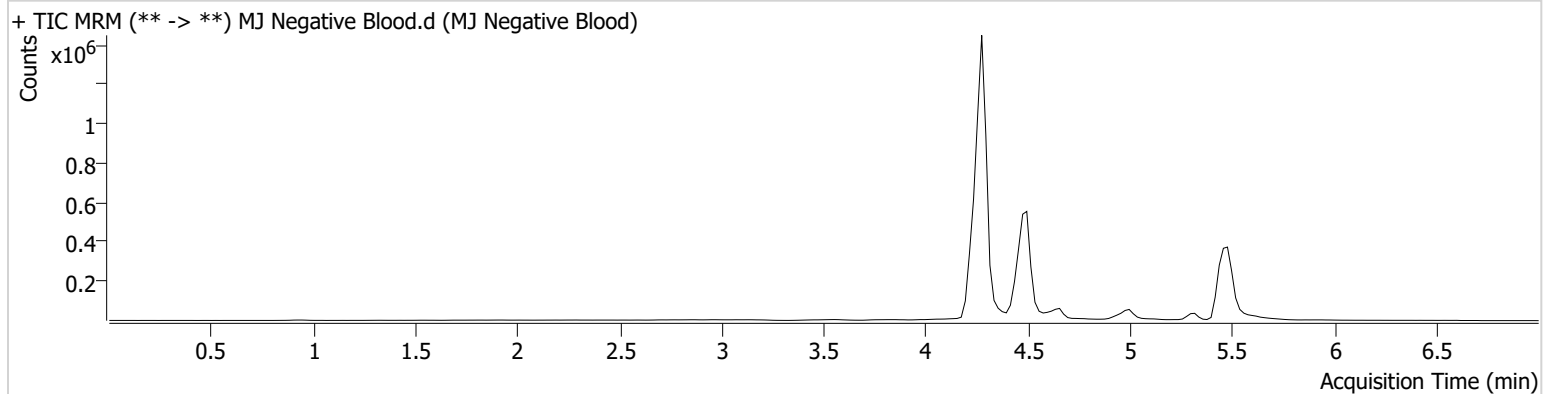
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Calibration Last Update 10/22/2024 5:57:04 PM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 10/16/2024 11:47:59 AM
Sample Info.

Data File MJ Negative Blood.d
Sample MJ Negative Blood
Operator Tamara Salazar
Comment

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Sample Chromatogram





AM #26 Cannabinoids Screen Results

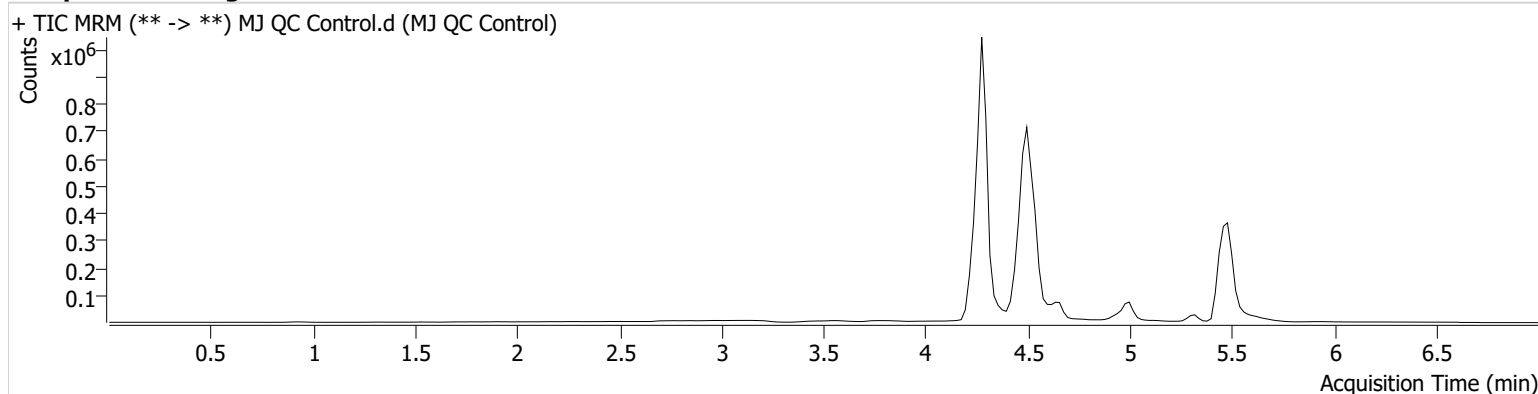
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Calibration Last Update 10/22/2024 5:57:04 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 10/16/2024 11:32:48 AM
Sample Info.

Data File MJ QC Control.d
Sample MJ QC Control
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.509	5968	128603	5.09 ng/ml
THC-COOH	4.516	564384	2339731	14.71 ng/ml
THC-OH	4.282	41772	3810468	5.07 ng/ml



AM #26 Cannabinoids Screen Results

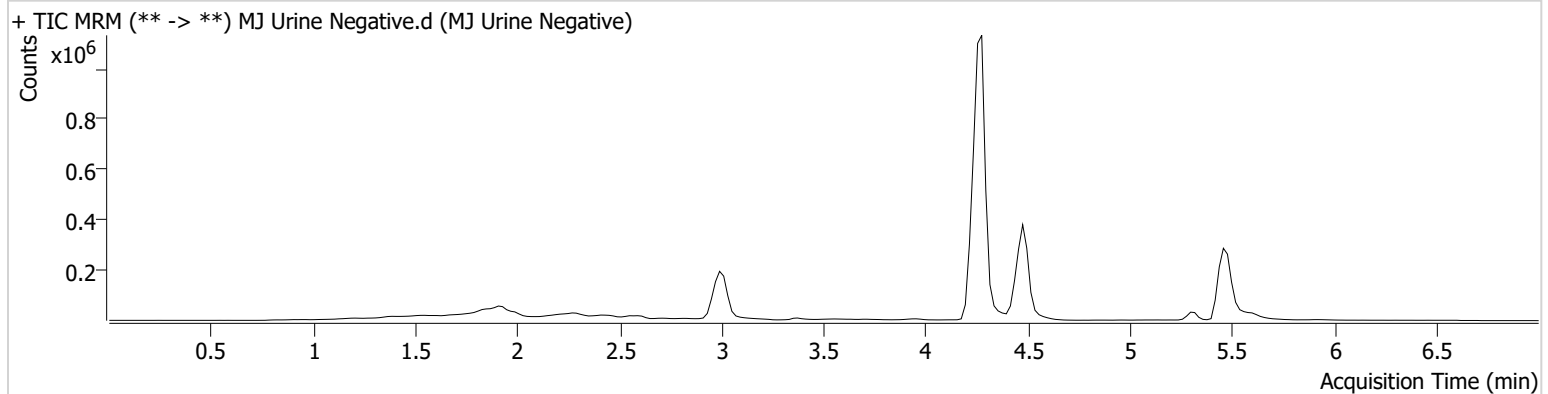
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Calibration Last Update 10/22/2024 5:57:04 PM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B5
Injection Volume 10
Acq. Date-Time 10/16/2024 3:05:00 PM
Sample Info.

Data File MJ Urine Negative.d
Sample MJ Urine Negative
Operator Tamara Salazar
Comment

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Sample Chromatogram



AM #26 Cannabinoids Screen Results



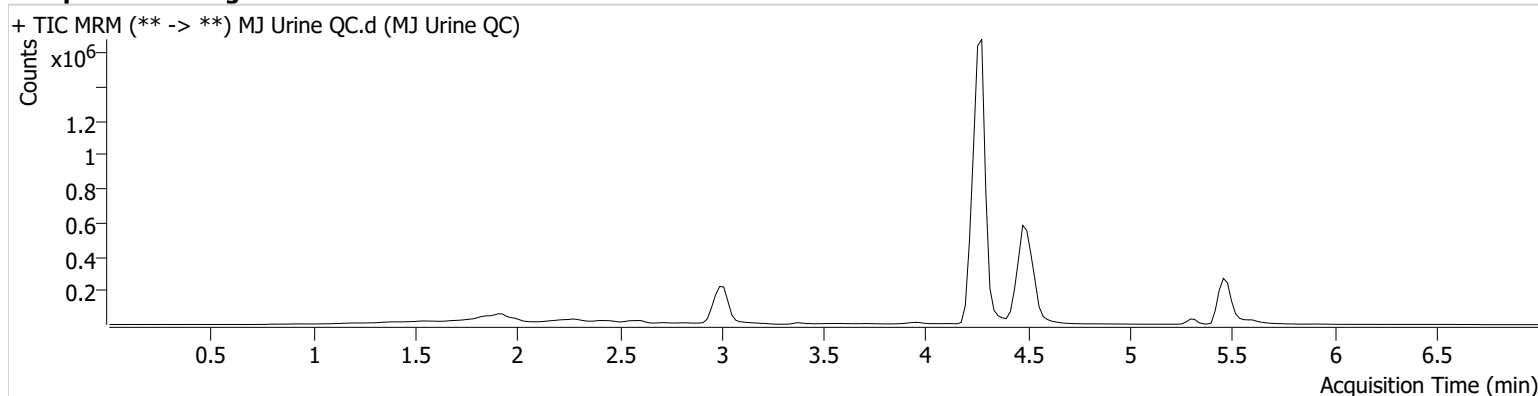
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Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 10/16/2024 2:57:25 PM
Sample Info.

Data File MJ Urine QC.d
Sample MJ Urine QC
Operator Tamara Salazar
Comment

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Sample Chromatogram



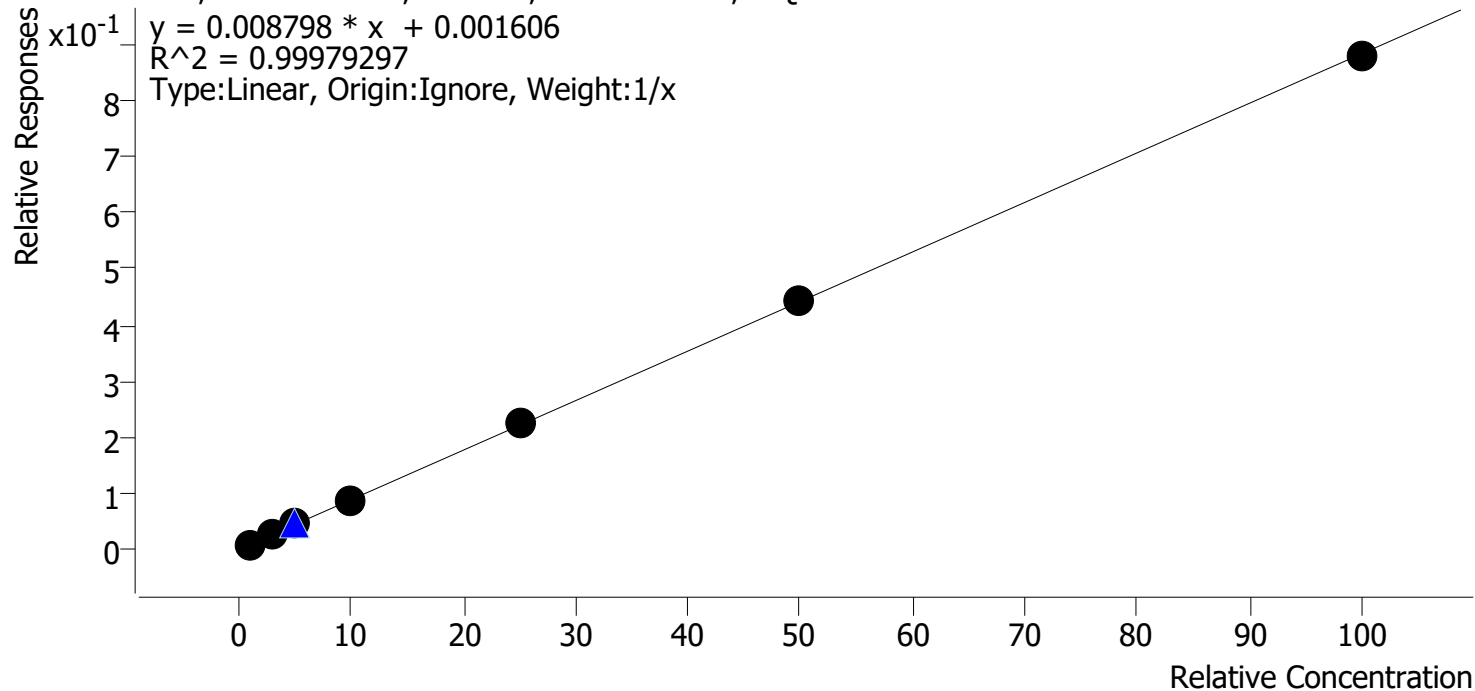
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	1106	31251	3.84 ng/ml
THC-COOH	4.516	455371	1968855	14.13 ng/ml
THC-OH	4.282	65149	6779939	4.46 ng/ml



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\101624 AM 25 26 TS\QuantResults\AM 26_correct.batch.bin
Last Cal. Update 10/22/2024 5:57 PM
Analyst Name ISP\Datastor
Analyte THC **Internal Standard** THC-D3

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



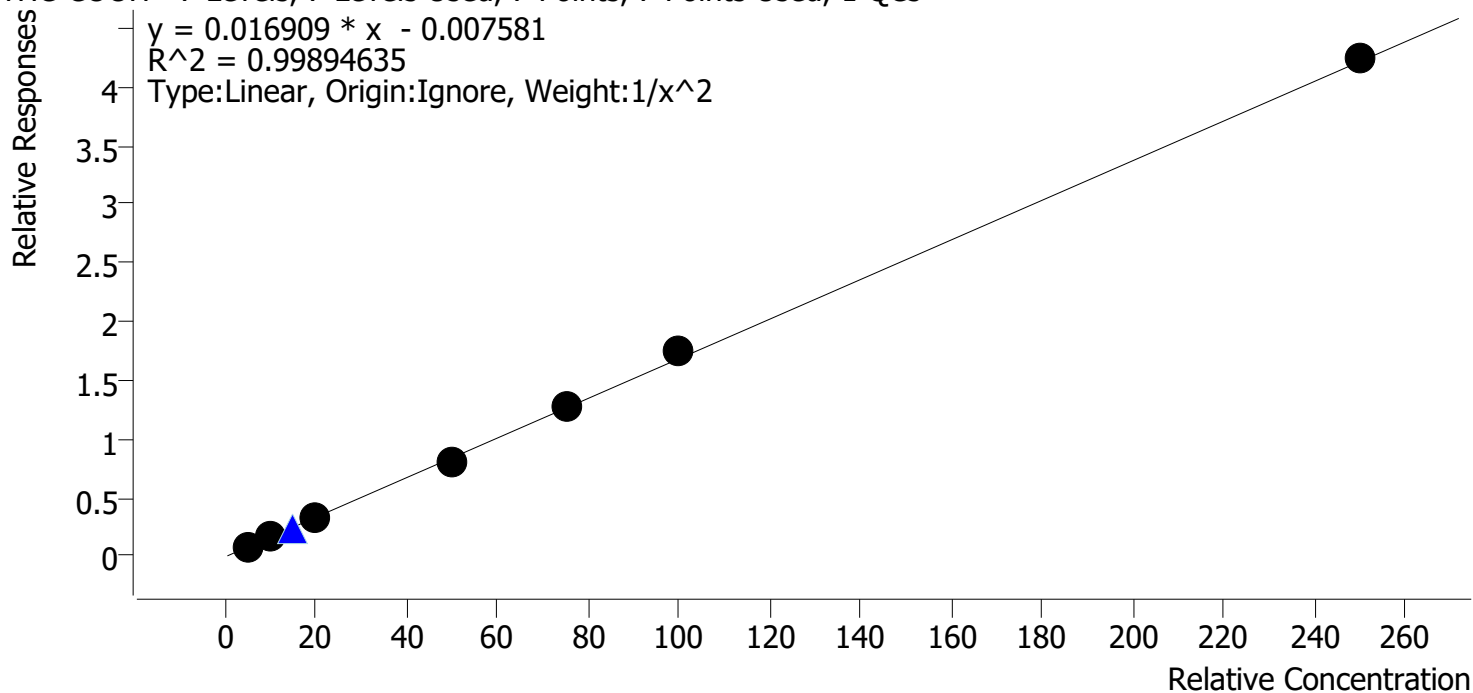
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	0.9	91.6
MJ Cal 2	2	✓	3.0	3.2	105.7
MJ Cal 3	3	✓	5.0	5.1	102.4
MJ Cal 4	4	✓	10.0	9.9	99.0
MJ Cal 5	5	✓	25.0	25.5	102.0
MJ Cal 6	6	✓	50.0	50.0	100.0
MJ Cal 7	7	✓	100.0	99.4	99.4



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\101624 AM 25 26 TS\QuantResults\AM 26_correct.batch.bin
Last Cal. Update 10/22/2024 5:57 PM
Analyst Name ISP\Datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

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



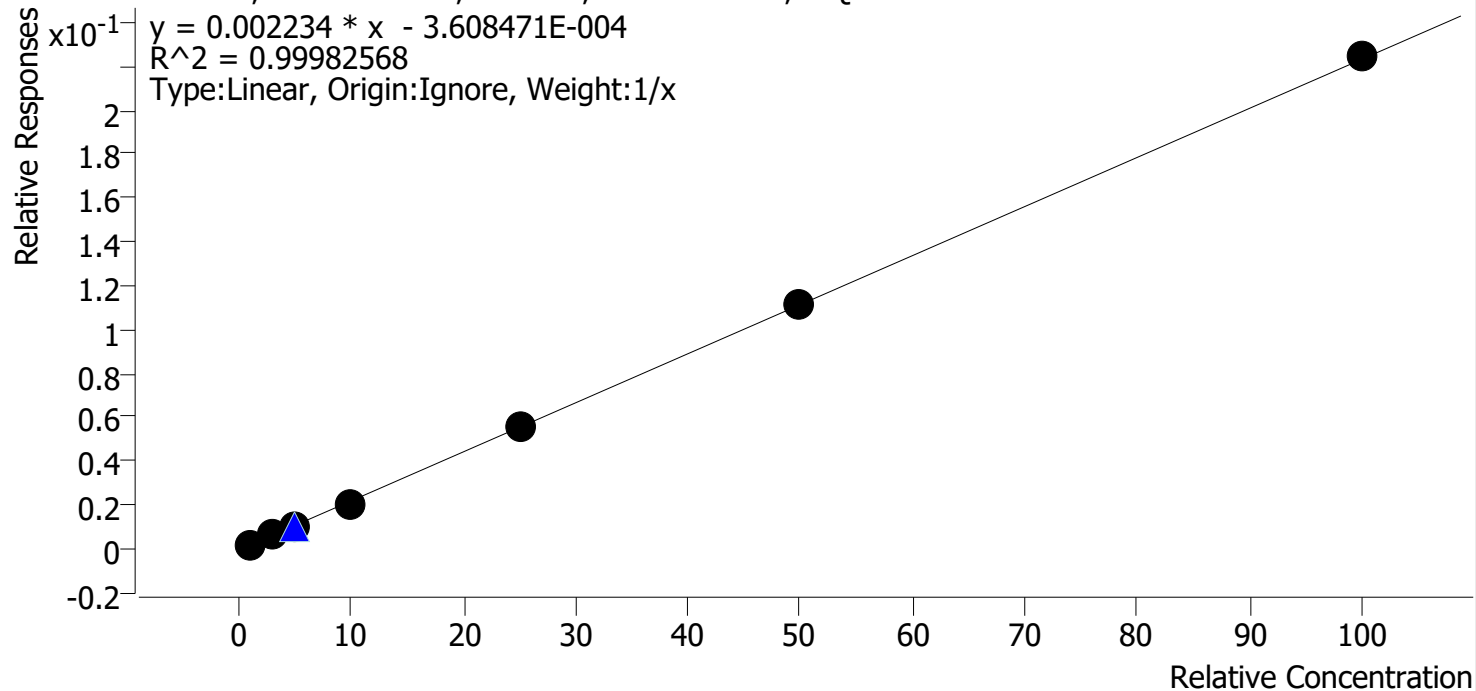
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.1	101.6
MJ Cal 2	2	✓	10.0	9.8	98.2
MJ Cal 3	3	✓	20.0	19.4	97.0
MJ Cal 4	4	✓	50.0	48.5	97.0
MJ Cal 5	5	✓	75.0	76.2	101.6
MJ Cal 6	6	✓	100.0	104.0	104.0
MJ Cal 7	7	✓	250.0	251.4	100.6



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\101624 AM 25 26 TS\QuantResults\AM 26_correct.batch.bin
Last Cal. Update 10/22/2024 5:57 PM
Analyst Name ISP\Datastor
Analyte THC-OH **Internal Standard** THC-OH-D3

THC-OH - 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	1.1	107.4
MJ Cal 2	2	✓	3.0	3.0	99.3
MJ Cal 3	3	✓	5.0	4.8	96.9
MJ Cal 4	4	✓	10.0	9.6	96.1
MJ Cal 5	5	✓	25.0	24.9	99.5
MJ Cal 6	6	✓	50.0	50.1	100.2
MJ Cal 7	7	✓	100.0	100.5	100.5



AM #26 Cannabinoids Screen Results

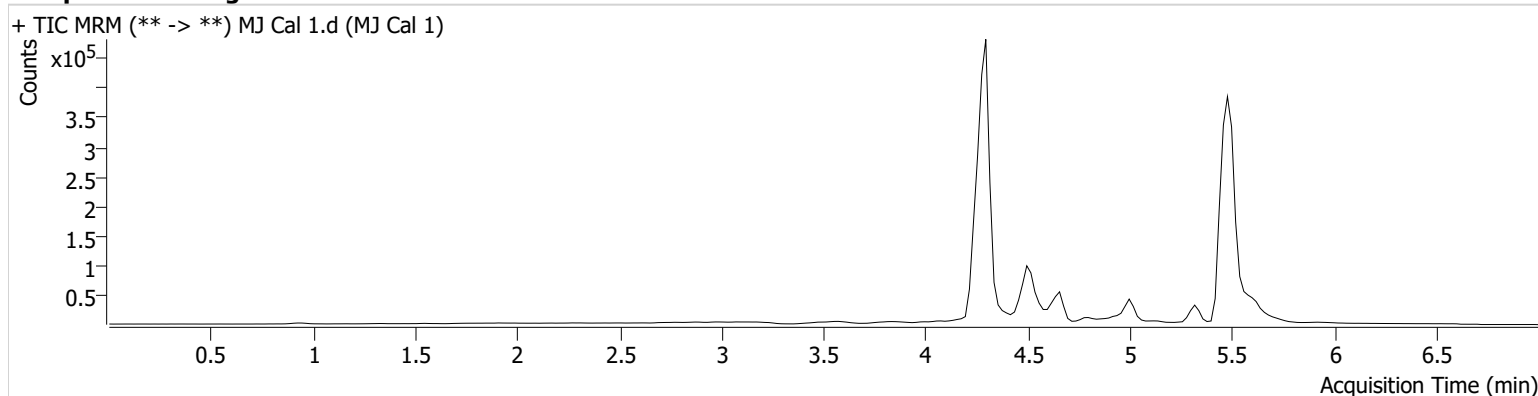
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Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 10/16/2024 10:39:30 AM
Sample Info.

Data File MJ Cal 1.d
Sample MJ Cal 1
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.509	1967	203559	0.92 ng/ml Low
THC-COOH	4.536	27480	350782	5.08 ng/ml
THC-OH	4.302	4210	2064599	1.07 ng/ml Low



AM #26 Cannabinoids Screen Results

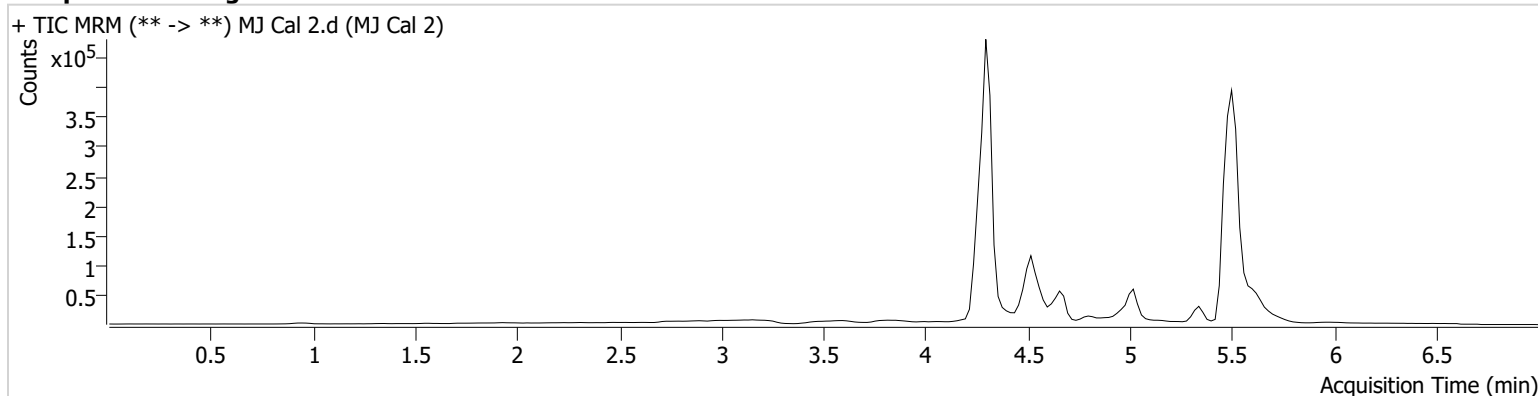
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Calibration Last Update 10/22/2024 5:57:04 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 10/16/2024 10:47:15 AM
Sample Info.

Data File MJ Cal 2.d
Sample MJ Cal 2
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.530	5772	195649	3.17 ng/ml
THC-COOH	4.556	58180	367127	9.82 ng/ml
THC-OH	4.322	12238	1943486	2.98 ng/ml Low



AM #26 Cannabinoids Screen Results

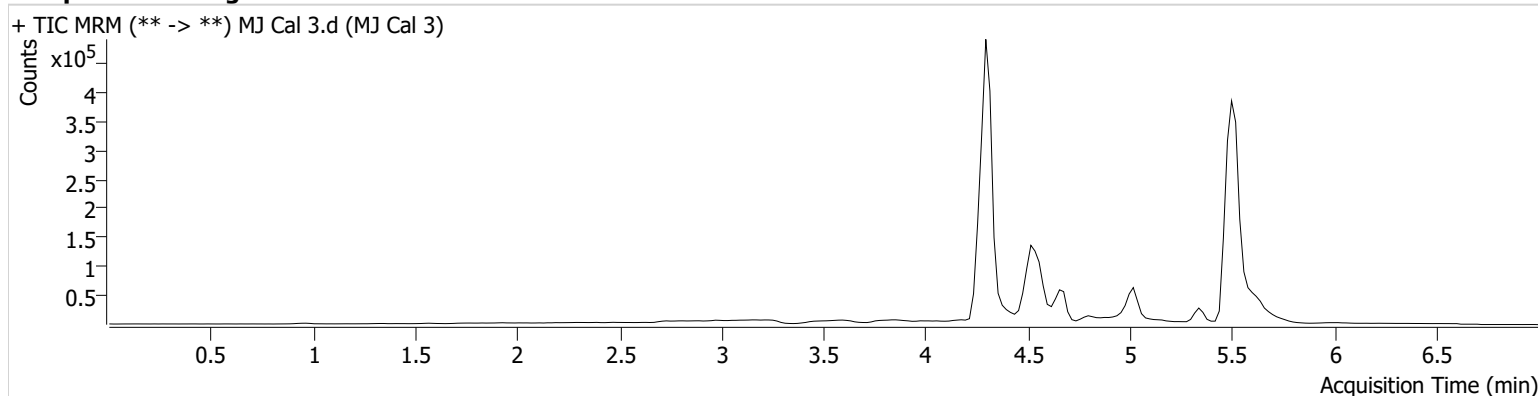
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Calibration Last Update 10/22/2024 5:57:04 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 10/16/2024 10:54:52 AM
Sample Info.

Data File MJ Cal 3.d
Sample MJ Cal 3
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.530	11269	241664	5.12 ng/ml
THC-COOH	4.556	118198	368842	19.40 ng/ml
THC-OH	4.322	19157	1831482	4.84 ng/ml



AM #26 Cannabinoids Screen Results

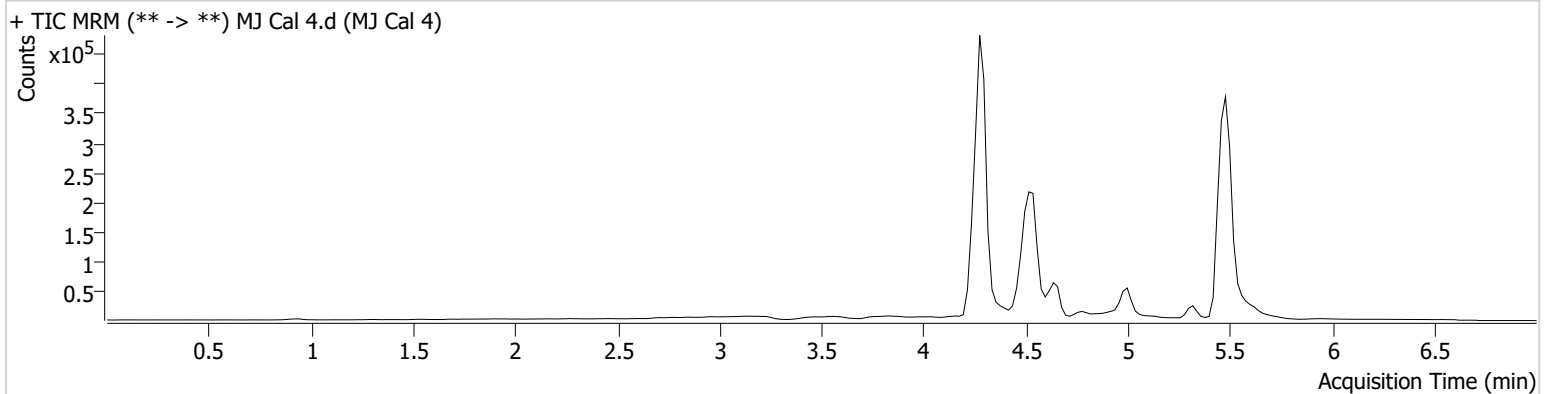
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Calibration Last Update 10/22/2024 5:57:04 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 10/16/2024 11:02:28 AM
Sample Info.

Data File MJ Cal 4.d
Sample MJ Cal 4
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.509	16879	190337	9.90 ng/ml
THC-COOH	4.536	292318	359756	48.50 ng/ml
THC-OH	4.302	35599	1685616	9.61 ng/ml



AM #26 Cannabinoids Screen Results

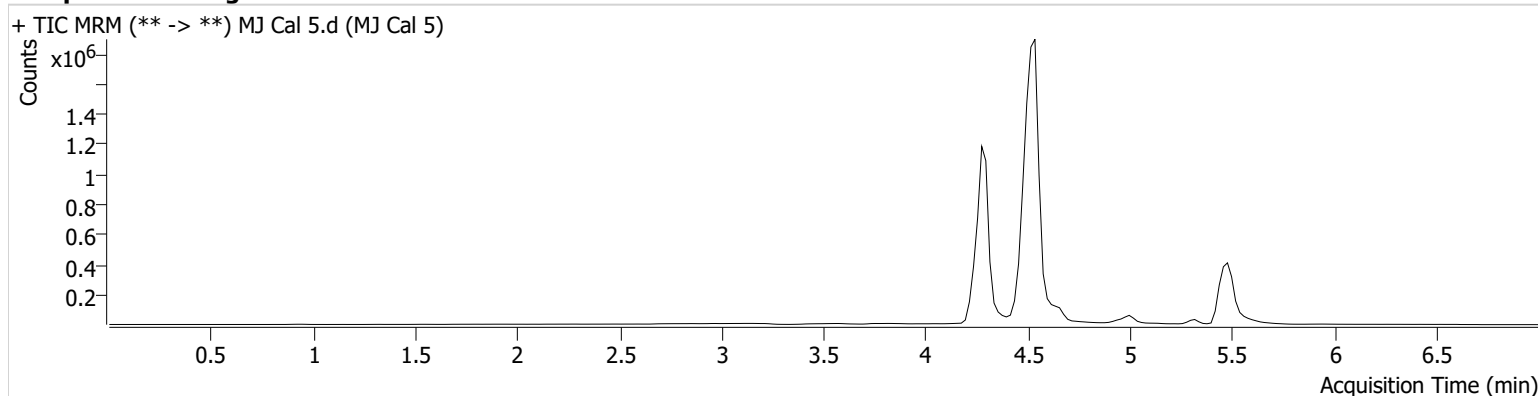
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Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 10/16/2024 11:10:05 AM
Sample Info.

Data File MJ Cal 5.d
Sample MJ Cal 5
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.509	39911	176675	25.49 ng/ml
THC-COOH	4.536	2967459	2316647	76.20 ng/ml
THC-OH	4.302	193344	3500818	24.88 ng/ml



AM #26 Cannabinoids Screen Results

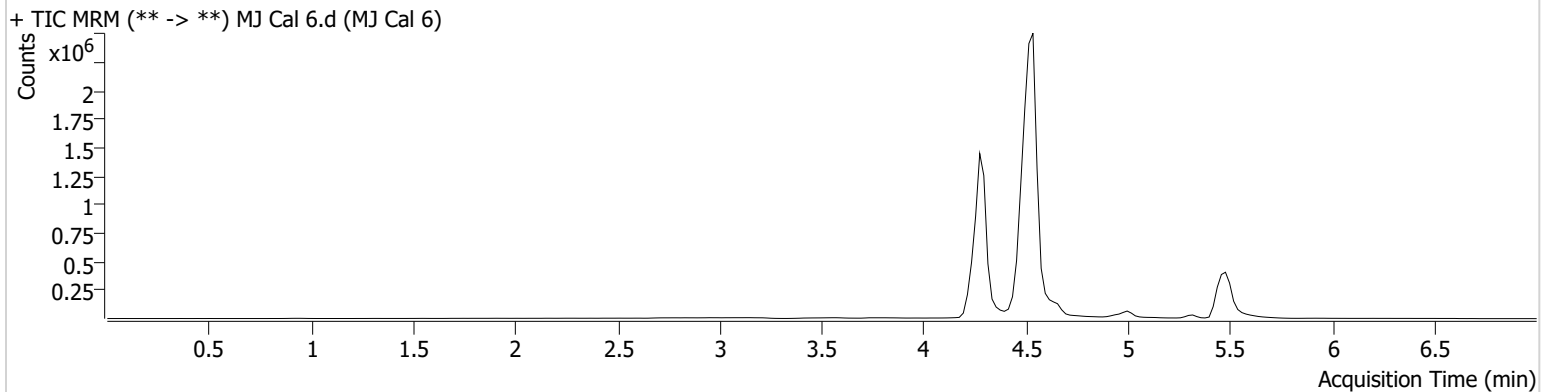
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Calibration Last Update 10/22/2024 5:57:04 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 10/16/2024 11:17:39 AM
Sample Info.

Data File MJ Cal 6.d
Sample MJ Cal 6
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.509	85112	192710	50.02 ng/ml
THC-COOH	4.536	4095418	2339568	103.97 ng/ml
THC-OH	4.282	362695	3251395	50.09 ng/ml



AM #26 Cannabinoids Screen Results

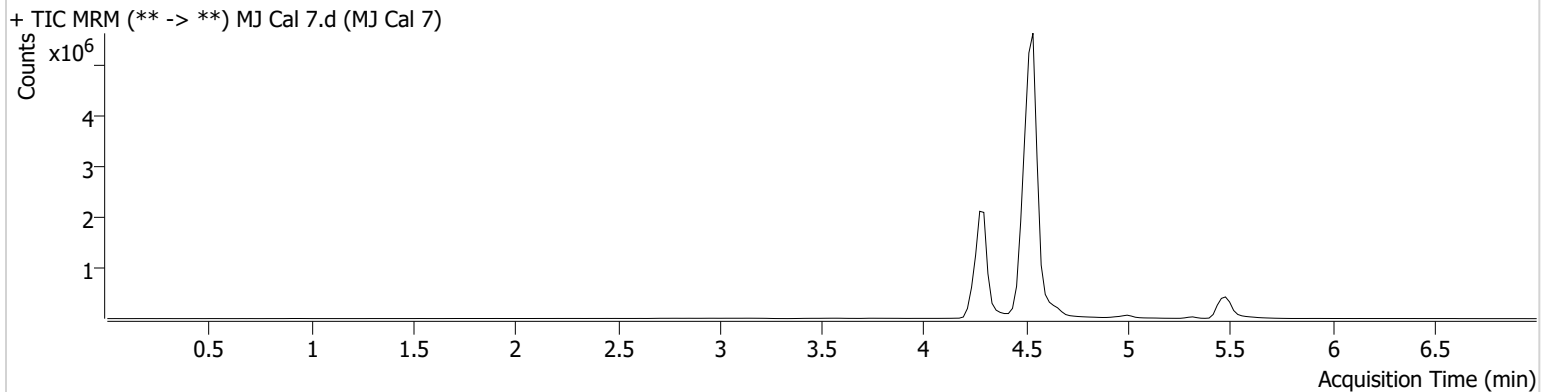
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Calibration Last Update 10/22/2024 5:57:04 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 10/16/2024 11:25:13 AM
Sample Info.

Data File MJ Cal 7.d
Sample MJ Cal 7
Operator Tamara Salazar
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	5.509	150707	172046	99.39 ng/ml
THC-COOH	4.536	9596238	2261067	251.45 ng/ml
THC-OH	4.302	738707	3294816	100.51 ng/ml