









Worklist: 6665

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-5445	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5447	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5530	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5537	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5557	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-0014	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-0265	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-2544	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3966	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-4002	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-4015	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-4019	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-4039	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-4040	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0001	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0002	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0057	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0074	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0075	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0079	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0082	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6665

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-0084	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0088	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0089	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0090	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0102	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0124	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0137	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-0143	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: 01/25/2024

Plate lot#: 230712

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 1/12/2024- external control used

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:

	1	2	3	4	5	6	7	8	9	10	11	12
A									M2023-5447-1	P2023-4019-1	P2024-0079-1	P2024-0137-1
B									M2023-5557-1	P2023-4039-1	P2024-0082-1	P2024-0143-1
C									M2024-0014-1	P2023-4040-1	P2024-0084-1	Blood Ext
D									M2024-0265-2	P2024-0001-1	P2024-0088-1	Blood NEG
E									P2023-2544-1	P2024-0002-1	P2024-0089-1	
F								M2023-5530-1	P2023-3966-1	P2024-0057-1	P2024-0090-1	
G								M2023-5537-1	P2023-4002-1	P2024-0074-1	P2024-0102-2	
H								M2023-5445-1	P2023-4015-1	P2024-0075-1	P2024-0124-1	CAL

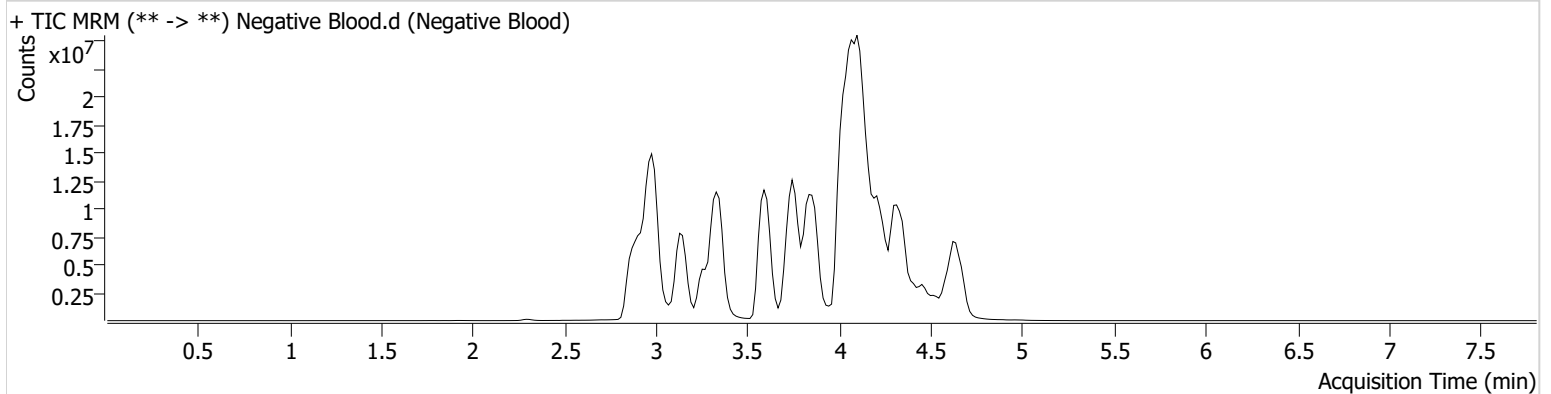
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\012524 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/26/2024 8:44:22 AM

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-D12	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	1/25/2024 5:35:34 PM		
Sample Info.			

Sample Chromatogram





Idaho State Police Forensic Services

AM #25 Blood Multi-Drug Screen by LCMS-QQQ And AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 1

Methanol External Control Solution (Lot: 072123)

100 μ L of 1mg/mL stock of each drug was added to 9800 μ L of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	220776	N/A
Tramadol	Cerilliant	FE10051901	12/31/2024
Alprazolam	Cerilliant	FE06102008	06/30/2025
Prepared:	07/21/2023		
Expires:	07/21/2024		
Prepared By:	Tamara Salazar		

Blood External Control Solution (Lot: WS072123)

*100 μ L of methanol external control solution was added to 9900 μ L of blood.
Approximately 100 ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	23A52594
Methanol External Control Solution		072123
Prepared:	07/21/2023	
Expires:	07/21/2024	
Prepared by:	Tamara Salazar	

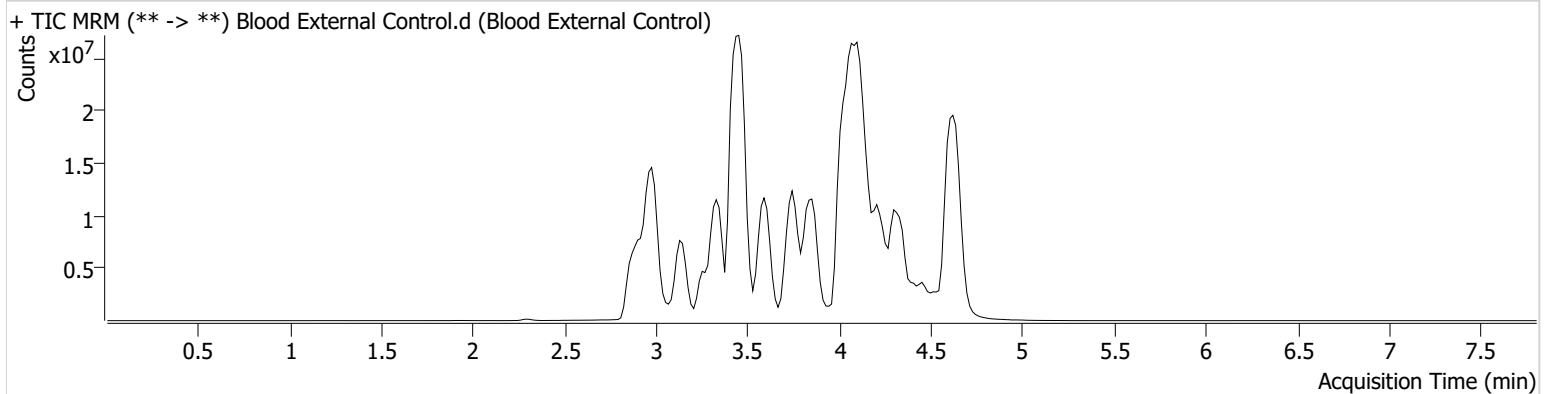
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\012524 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/26/2024 8:44:22 AM

Instrument	Falco (069901)	Data File	Blood External Control.d
Type	Sample	Sample	Blood External Control
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-C12	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	1/25/2024 5:27:08 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	4.608	39457492	1051.48	89.2	1986.55	21135092	119.9918 ng/ml
Tramadol	3.455	151042306	∞	3.2 High	537.12	77320743	50.6348 ng/ml

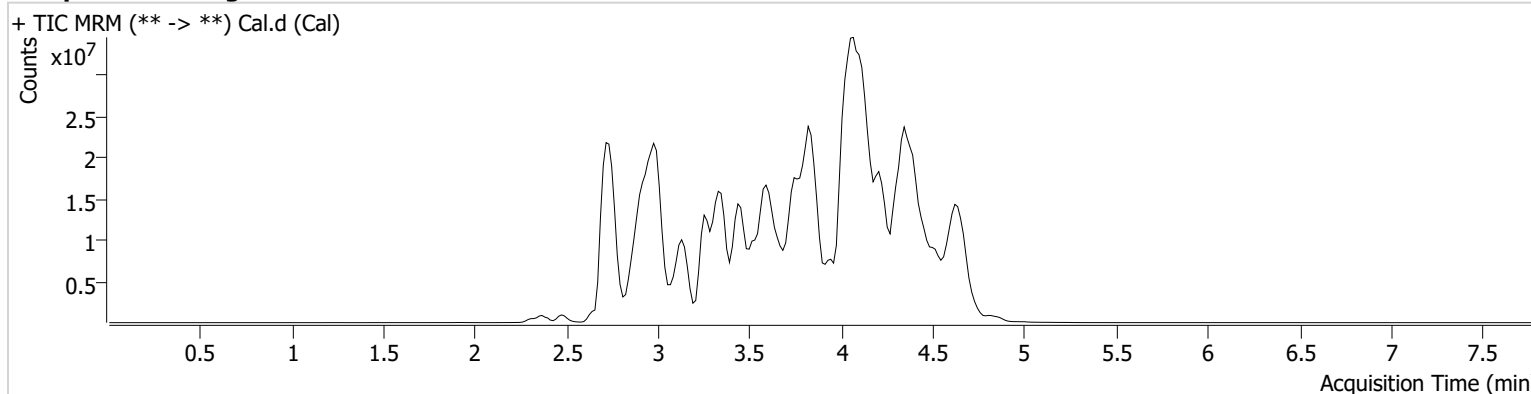
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\012524 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/26/2024 8:44:22 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	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	1/25/2024 5:18:33 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
10-OH-Carbamazepine	3.765	3488796	197.10	108.8	619.57	23597629	10.0000 ng/ml
6-MAM	2.912	78798	38411.89	79.8	26464.51	2940297	10.0000 ng/ml
7-aminoclonazepam	3.592	1480437	159390.49	80.8	86.86	6936356	10.0000 ng/ml
7-aminoflunitrazepam	3.792	3635405	236.16	21.9	3624.14	6936356	10.0000 ng/ml
9-Hydroxyrisperidone	3.846	11753372	1432.67	2.6	82637.60	55301347	10.0000 ng/ml
Acetyl Fentanyl	3.820	595349	554.24	80.2	172716.82	51193079	10.0000 ng/ml
Acetyl Norfentanyl	2.921	639542	559.20	32.8	497.69	51193079	10.0000 ng/ml
a-hydroxyalprazolam	4.498	474994	113.11	50.0	837.73	6936356	10.0000 ng/ml
alpha-hydroxymidazolam	4.574	4168970	641.37	54.2	606.29	6936356	10.0000 ng/ml
Alpha-PHP	3.811	6871953	14201.65	36.3	2701.22	51193079	10.0000 ng/ml
alpha-PVP	3.535	8949216	507.22	48.9	558.37	23782636	10.0000 ng/ml
Alprazolam	4.609	4337940	502.38	88.0	353.36	27881094	10.0000 ng/ml
Amitriptyline	4.412	3825143	246.35	65.3	923.62	11737813	10.0000 ng/ml
Amphetamine	2.910	5663945	698.78	216.8	1410.05	23782636	10.0000 ng/ml
Benzoyllecgonine	3.392	128421	1948.17	26.9	36.11	624412	10.0000 ng/ml
Bromazolam	4.665	1517649	22998.99	133.1	843616.34	27881094	10.0000 ng/ml
Brompheniramine	4.036	203837	1027.82	952.7	547094.07	75668707	10.0000 ng/ml
Buprenorphine	4.309	88641	29235.76	17.1	4035.35	4526009	10.0000 ng/ml
Bupropion	3.750	8022422	618.82	62.0	665.30	33783576	10.0000 ng/ml
Carbamazepine	4.229	14371453	∞	90.5	2102.36	167015	10.0000 ng/ml
Carisoprodol	4.197	1740451	1214.09	68.1	149.55	11292970	10.0000 ng/ml
Chlordiazepoxide	4.718	1451145	328.25	147.1	567.18	27881094	10.0000 ng/ml
Chlorpheniramine	3.948	12932701	529.27	0.2	77.50	21682105	10.0000 ng/ml
Chlorpromazine	4.592	3429819	1632494.75	92.7	571.78	13959503	10.0000 ng/ml
Citalopram	4.066	4866548	265.36	34.9	1071987.89	75668707	10.0000 ng/ml
Clomipramine	4.608	4109961	1574.12	82.9	10362.99	75668707	10.0000 ng/ml
Clonazepam	4.407	1317707	161.82	30.0	80.44	167015	10.0000 ng/ml
Clonazolam	4.373	1981385	520533.18	31.4	177864.54	27881094	10.0000 ng/ml
Clozapine	4.220	7578307	1315.07	70.8	2104.69	37182723	10.0000 ng/ml
Cocaethylene	3.805	7684799	5540702.85	47.6	1516119.02	45009147	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaine	3.591	7573819	441.51	19.2	624413.90	45009147	10.0000 ng/ml
Codeine	2.809	560133	2439.20	104.7	243.64	12718512	10.0000 ng/ml
Cyclobenzaprine	4.335	5195444	324.88	8.5	59.05	11737813	10.0000 ng/ml
Desipramine	4.366	9315872	640.18	42.4	229.20	11737813	10.0000 ng/ml
Dextromethorphan	4.088	3877414	∞	79.1	891.92	21682105	10.0000 ng/ml
Dextrorphan	3.394	4881239	6316375.70	56.1	499.31	21682105	10.0000 ng/ml
Diazepam	4.826	1871595	811.77	87.7	937.33	27881094	10.0000 ng/ml
Dihydrocodeine	2.763	1987046	3745.19	57.6	683.78	12718512	10.0000 ng/ml
Diphenhydramine	4.026	19327187	1329087.20	28.7	1048.17	75668707	10.0000 ng/ml
DMT	2.983	734076	2851.57	125.8	432.45	21682105	10.0000 ng/ml
Doxepin	4.148	3651177	447.26	45.5	66.93	46569970	10.0000 ng/ml
Doxylamine	3.670	16654129	4575041.00	93.1	6655.36	21682105	10.0000 ng/ml
Duloxetine	4.317	162729	9055.45	824.5	12843.56	1795070	10.0000 ng/ml
EDDP	4.102	1059073	155.82	49.3	42.47	5439339	10.0000 ng/ml
Etazolam	4.518	7095647	952.76	49.7	497.18	27881094	10.0000 ng/ml
Etizolam	4.650	394321	96946.97	369.6	145063.51	27881094	10.0000 ng/ml
Fentanyl	4.050	470917	170.90	70.7	1317.17	32940160	10.0000 ng/ml
Flualprazolam	4.482	1475398	404296.75	129.0	498821.17	27881094	10.0000 ng/ml
Flunitrazepam	4.531	2700811	737.70	36.4	373.38	27881094	10.0000 ng/ml
Fluorofentanyl	4.064	764681	151.70	83.7	965.39	32940160	10.0000 ng/ml
Fluoxetine	4.316	4273692	800.98	7.3	102.00	7398036	10.0000 ng/ml
Flurazepam	4.160	5152298	868.37	22.3	244.10	27881094	10.0000 ng/ml
Hydrocodone	3.008	2087566	738.20	38.4	391.08	12718512	10.0000 ng/ml
Hydromorphone	2.476	1859473	29847.17	77.9	3029836.98	390666	10.0000 ng/ml
Hydroxyzine	4.449	5232825	992.85	80.1	3574.91	37182723	10.0000 ng/ml
Imipramine	4.380	10175685	1143.35	65.1	717.45	11737813	10.0000 ng/ml
Ketamine	3.443	5890480	832.80	36.2	77.68	20739941	10.0000 ng/ml
Lamotrigine	3.548	394386	1108.41	84.4	1832.18	75668707	10.0000 ng/ml
Levamisole	2.967	4571478	10393.74	86.5	1027.35	45009147	10.0000 ng/ml
Levetiracetam	2.649	3223046	1032.20	56.0	510.31	75668707	10.0000 ng/ml
Lorazepam	4.422	366887	133.00	282.0	130.92	27881094	10.0000 ng/ml
Maprotiline	4.412	2753395	83.78	78.8	117.93	11737813	10.0000 ng/ml
MDA	3.030	4027076	1164.96	39.5	220.74	50714723	10.0000 ng/ml
MDEA	3.259	8832034	7283.77	50.8	548.29	50714723	10.0000 ng/ml
MDMA	3.106	9936389	2196.29	48.5	735.79	50714723	10.0000 ng/ml
Meperidine	3.610	3672357	2743.51	59.0	440.01	21682105	10.0000 ng/ml
Meprobamate	3.675	898306	486.67	21.9	131.49	11292970	10.0000 ng/ml
Methadone	4.393	10558484	279.51	46.0	24190.90	5439339	10.0000 ng/ml
Methamphetamine	3.016	10758750	6846.28	39.0	319.65	50714723	10.0000 ng/ml
Methocarbamol	3.565	268933	123.53	82.7	57.37	5439339	10.0000 ng/ml
Methylphenidate	3.519	18897230	59.28	22.6	60.41	31041565	10.0000 ng/ml
Metoprolol	3.455	1471959	357.64	99.1	360.62	21682105	10.0000 ng/ml
Midazolam	4.714	1327376	348.16	88.6	50673.02	27881094	10.0000 ng/ml
Mirtazapine	3.825	5380078	38667.98	210.9	5161.70	21682105	10.0000 ng/ml
Mitragynine	4.170	810384	155022.27	221.0	423.92	21682105	10.0000 ng/ml
Morphine	2.309	399877	506.92	85.5	185.29	390666	10.0000 ng/ml
Norbuprenorphine	3.831	135901	47935.15	97.0	13502.41	4526009	10.0000 ng/ml
Nordiazepam	4.689	1830159	483.89	60.5	316.70	27881094	10.0000 ng/ml
Norfentanyl	3.350	12139588	2375285.85	36.9	2971.71	51193079	10.0000 ng/ml
Norhydrocodone	2.948	265135	102.96	42.7	26850.95	390666	10.0000 ng/ml
Norketamine	3.474	1167659	677.50	499.5	3017.95	20739941	10.0000 ng/ml
Normeperidine	3.627	3366216	443.06	79.4	211.66	75668707	10.0000 ng/ml
Noroxycodone	2.900	1837475	∞	26.2	502.93	20739941	10.0000 ng/ml
Nortriptyline	4.413	3019769	402.36	67.4	507.57	11737813	10.0000 ng/ml
O-desmethyl-tramadol	2.934	13124991	10637.34	5.8	246.75	75668707	10.0000 ng/ml
O-desmethylvenlafaxine	3.270	3041264	534.02	642.1	2.20	17843139	10.0000 ng/ml
Olanzapine	3.759	1947238	698.18	49.1	2919.45	167015	10.0000 ng/ml
Oxazepam	4.487	2246889	637.52	77.8	168.58	16252028	10.0000 ng/ml
Oxycodone	2.929	4382125	1155.81	27.3	1193.83	20739941	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxymorphone	2.366	2263589	153.47	38.6	334.48	390666	10.0000 ng/ml
Paroxetine	4.328	767878	210.22	49.3	113886.42	7398036	10.0000 ng/ml
Phenazepam	4.619	3081337	636490.48	66.1	38888.00	27881094	10.0000 ng/ml
Phencyclidine	3.935	9648518	324.03	63.8	140.65	21682105	10.0000 ng/ml
Phentermine	3.170	2458974	565.94	6.6	22.11	31041565	10.0000 ng/ml
Phenytoin	4.120	397676	241.68	79.5	74.85	167015	10.0000 ng/ml
Primidone	3.475	767628	649918.31	88.6	55.66	167015	10.0000 ng/ml
Promethazine	4.302	12109095	805.22	31.5	2476.91	75668707	10.0000 ng/ml
Pseudoephedrine	2.740	82558604	24957.93	41.1	91040.46	50714723	10.0000 ng/ml
Quetiapine	4.341	7633542	1523.06	55.8	3008997.62	62015907	10.0000 ng/ml
Risperidone	4.031	10443968	1532645.95	11.2	98073.24	55301347	10.0000 ng/ml
Sertraline	4.547	1395795	603.74	101.9	202.24	7398036	10.0000 ng/ml
Sufentanil	4.325	352412	17853.68	85.7	302.07	51193079	10.0000 ng/ml
Tapentadol	3.459	9021939	399.29	34.8	411.34	20739941	10.0000 ng/ml
Temazepam	4.656	5302985	961.39	28.0	52.70	27881094	10.0000 ng/ml
Topiramate	3.819	50024	17835.65	46.6	7713.87	195353	10.0000 ng/ml
Tramadol	3.440	29192406	∞	1.7	109.13	75668707	10.0000 ng/ml
Trazodone	4.341	10323971	889894.27	65.1	958312.64	46569970	10.0000 ng/ml
Venlafaxine	3.808	11342302	2006.87	28.5	443.28	17843139	10.0000 ng/ml
Xylazine	3.397	3049224	3191.12	44.8	18.09	20739941	10.0000 ng/ml
Zaleplon	4.332	2213070	6269.01	69.6	248.00	62015907	10.0000 ng/ml
Zolpidem	4.131	13857590	3194.97	29.0	1750.33	62015907	10.0000 ng/ml
Zopiclone	3.970	682748	879.70	59.0	194.08	3482302	10.0000 ng/ml

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

Extraction Date: 01/25/2024

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: #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:

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2024-0265-2	P2024-0001-1	P2024-0088-1	
b	cal 3 ng	NEG CTRL	P2023-2544-1	P2024-0002-1	P2024-0089-1	
c	cal 5 ng	M2023-5530-1	P2023-3966-1	P2024-0057-1	P2024-0090-1	
d	cal 10ng	M2023-5537-1	P2023-4002-1	P2024-0074-1	P2024-0102-2	
e	cal 25 ng	M2023-5445-1	P2023-4015-1	P2024-0075-1	P2024-0124-1	
f	cal 50 ng	M2023-5447-1	P2023-4019-1	P2024-0079-1	P2024-0137-1	
g	cal 100 ng	M2023-5557-1	P2023-4039-1	P2024-0082-1	P2024-0143-1	
h	QC 1	M2024-0014-1	P2023-4040-1	P2024-0084-1		

AM #26 Cannabinoids Screen Results



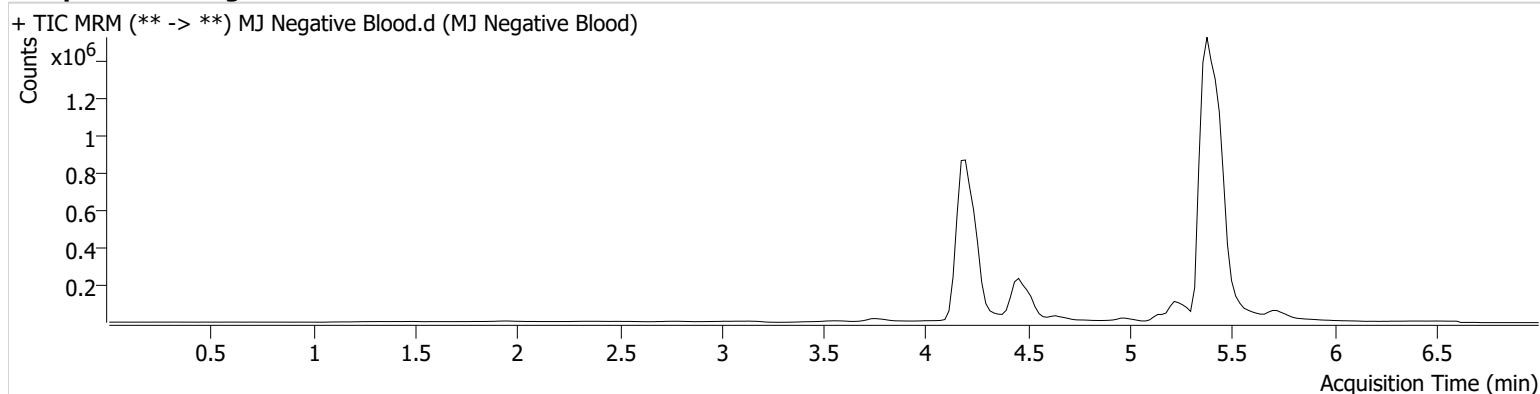
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 1/25/2024 12:56:59 PM
Sample Info.

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

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Sample Chromatogram





AM #26 Cannabinoids Screen Results

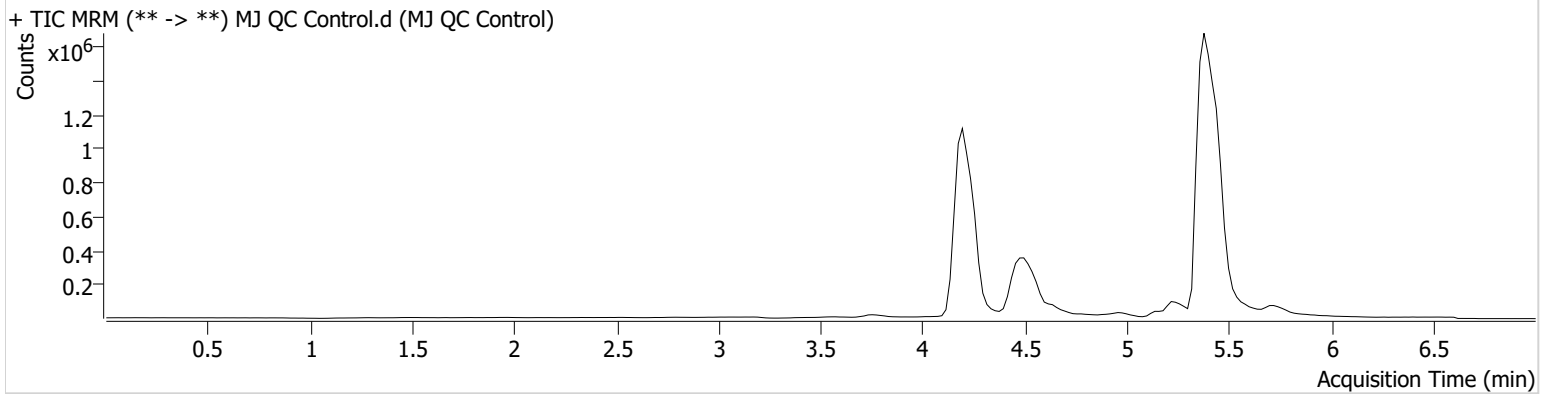
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 1/25/2024 12:41:48 PM
Sample Info.

Data File MJ QC Control.d
Sample MJ QC Control
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.349	6315	31.58	355.0 High	∞	194418	5.5758 ng/ml
THC-COOH	4.496	425786	∞	182.1	∞	1716108	15.2766 ng/ml
THC-OH	4.202	62065	164.30	961.2 High	∞	6582133	4.7958 ng/ml

AM #26 Cannabinoids Screen Results



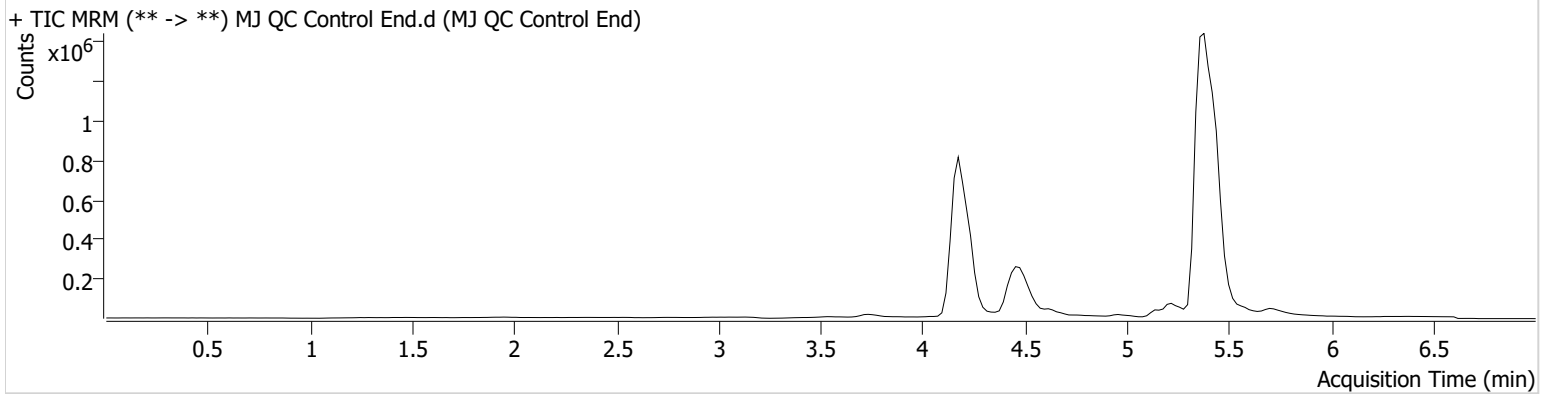
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 1/25/2024 4:44:08 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

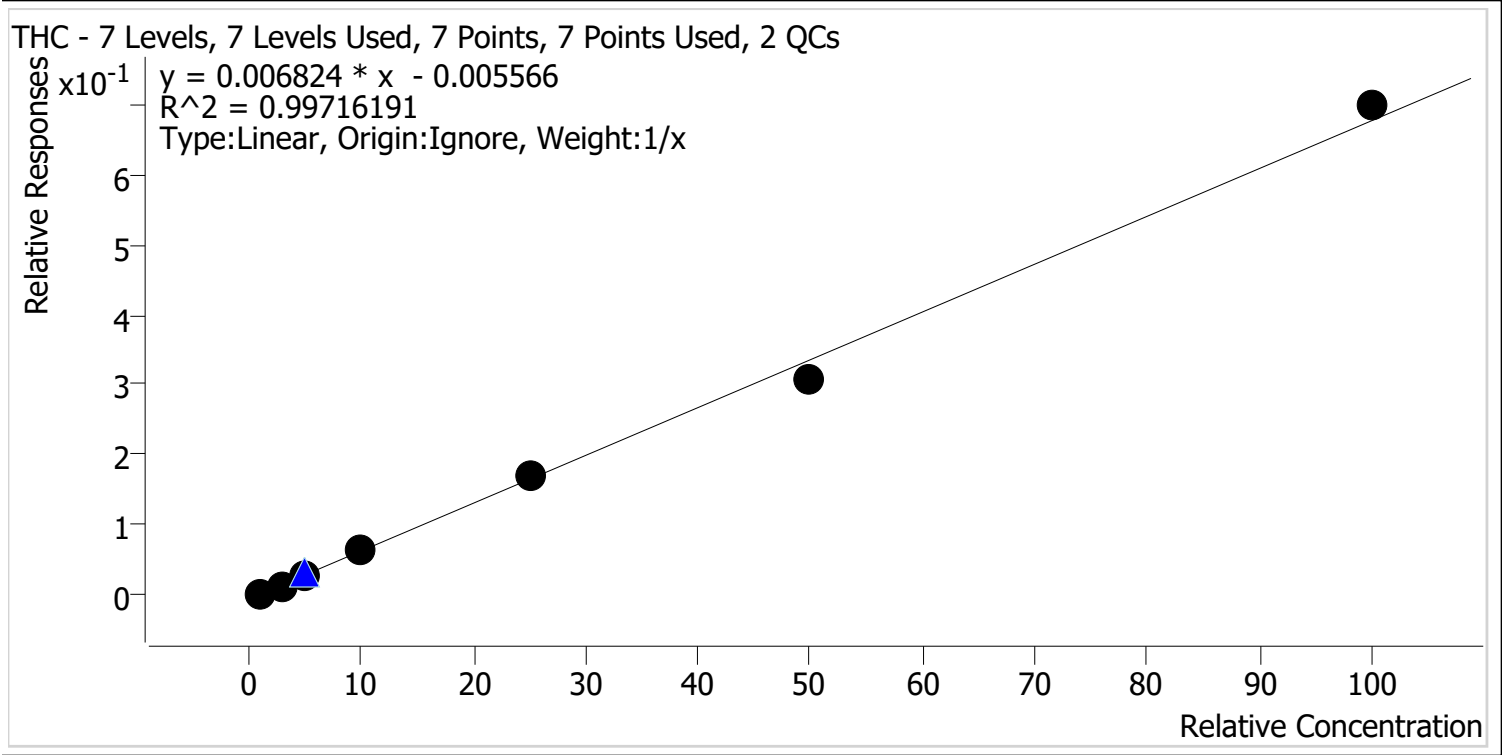


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.329	6006	98.03	322.2 High	∞	183467	5.6132 ng/ml
THC-COOH	4.476	253804	∞	175.4	∞	1198397	13.2349 ng/ml
THC-OH	4.182	41897	∞	798.2	78.84	4547752	4.6871 ng/ml



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\012524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/25/2024 6:30 PM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3

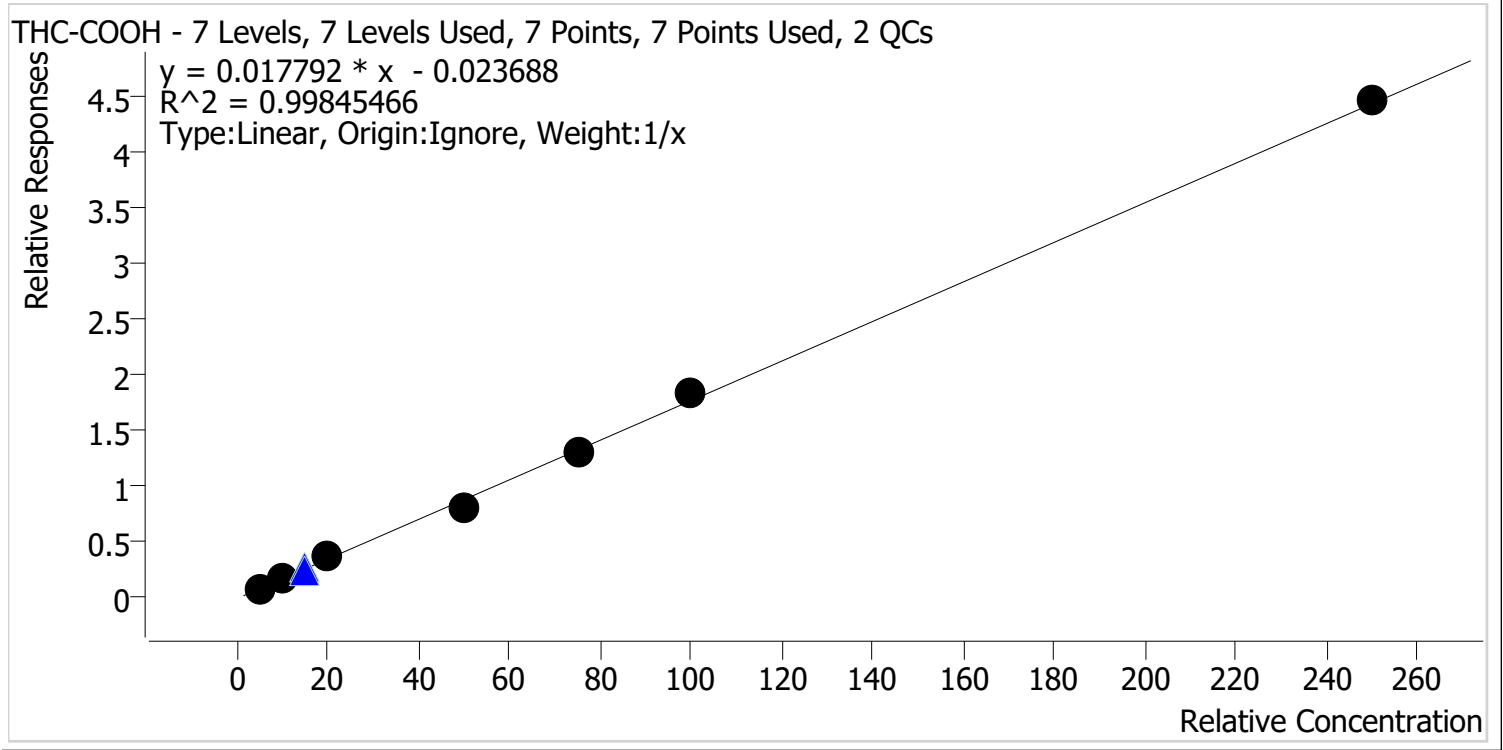


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	107.4
MJ Cal 2	2	✓	3.0	2.8	92.2
MJ Cal 3	3	✓	5.0	5.1	101.1
MJ Cal 4	4	✓	10.0	10.0	100.5
MJ Cal 5	5	✓	25.0	25.9	103.6
MJ Cal 6	6	✓	50.0	46.0	92.1
MJ Cal 7	7	✓	100.0	103.1	103.1



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\012524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/25/2024 6:30 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

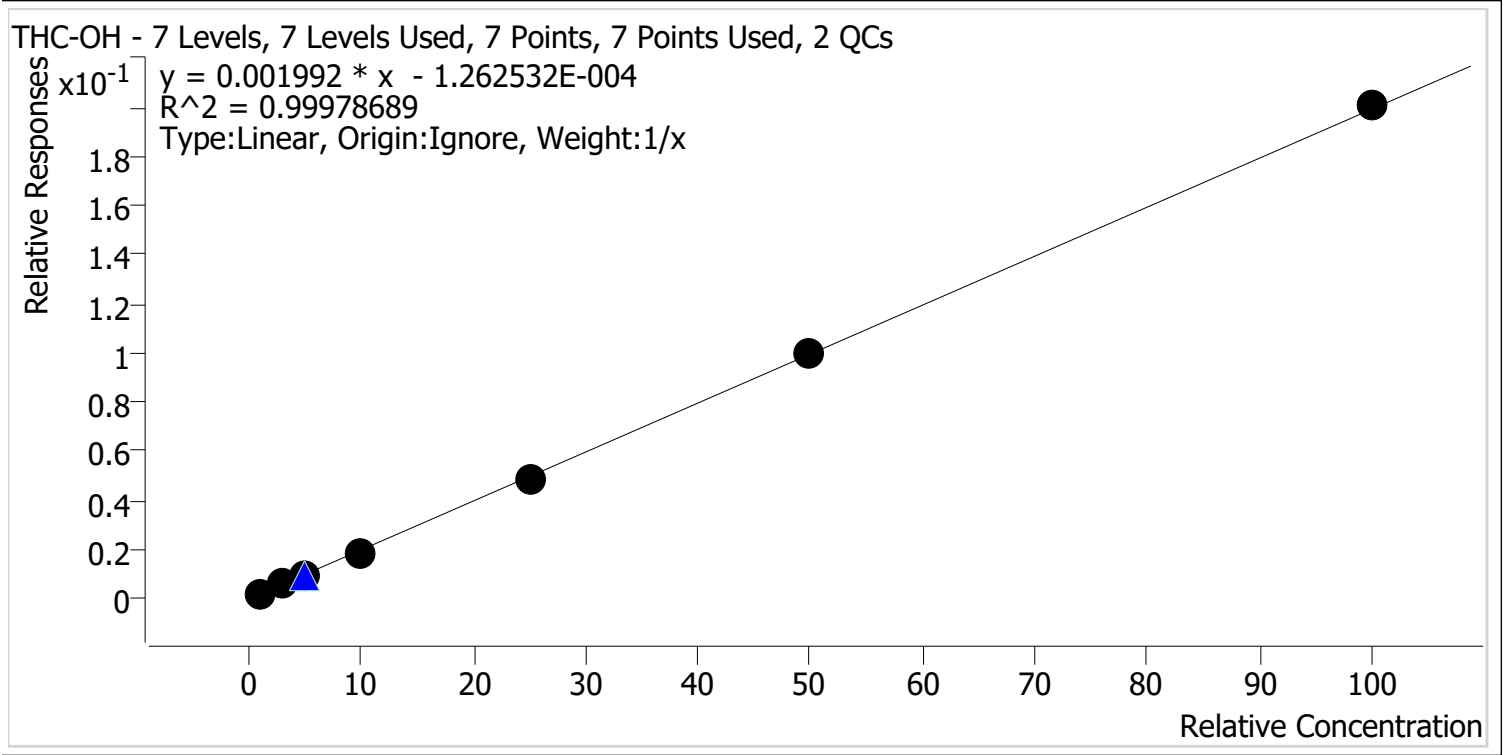


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	4.9	98.3
MJ Cal 2	2	✓	10.0	10.5	105.3
MJ Cal 3	3	✓	20.0	20.7	103.5
MJ Cal 4	4	✓	50.0	45.5	91.0
MJ Cal 5	5	✓	75.0	73.6	98.1
MJ Cal 6	6	✓	100.0	103.2	103.2
MJ Cal 7	7	✓	250.0	251.6	100.6



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\012524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/25/2024 6:30 PM
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	106.7
MJ Cal 2	2	✓	3.0	3.0	100.4
MJ Cal 3	3	✓	5.0	4.9	97.5
MJ Cal 4	4	✓	10.0	9.6	96.0
MJ Cal 5	5	✓	25.0	24.6	98.5
MJ Cal 6	6	✓	50.0	50.1	100.3
MJ Cal 7	7	✓	100.0	100.7	100.7

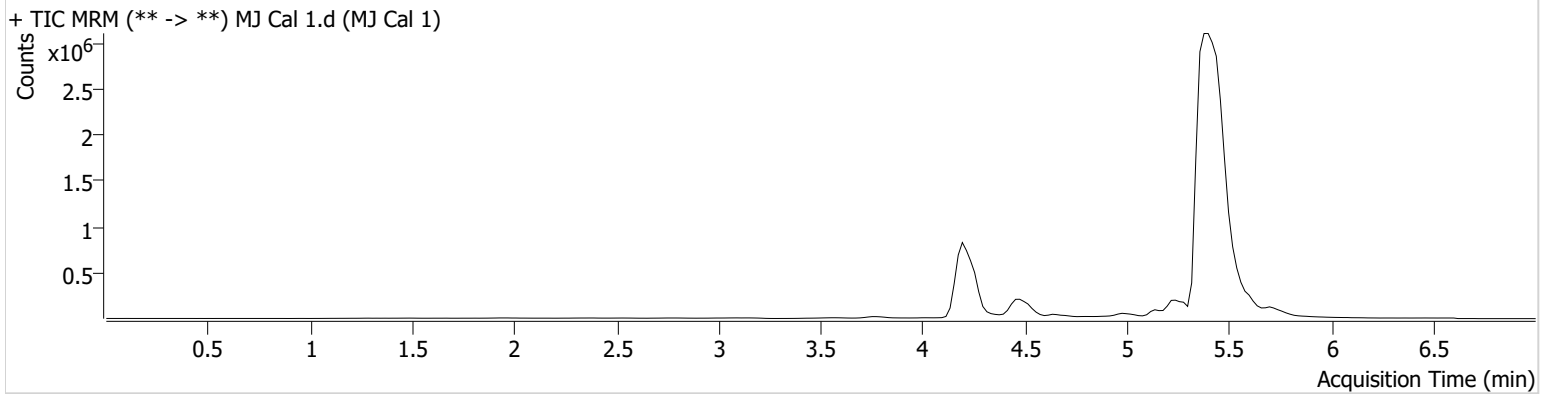
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2024\AM 25 26\012524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2024 6:30:44 PM

Instrument	Falco (069901)	Data File	MJ Cal 1.d
Type	Cal	Sample	MJ Cal 1
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-A1	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	10		
Acq. Date-Time	1/25/2024 11:48:38 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.349	530	1.80 Low	8115.7 High	6.48 Low	300952	1.0740 ng/ml
THC-COOH	4.496	74468	87.05	235.4 High	∞	1167227	4.9172 ng/ml
THC-OH	4.202	10260	∞	183.0 Low	∞	5131333	1.0669 ng/ml

AM #26 Cannabinoids Screen Results



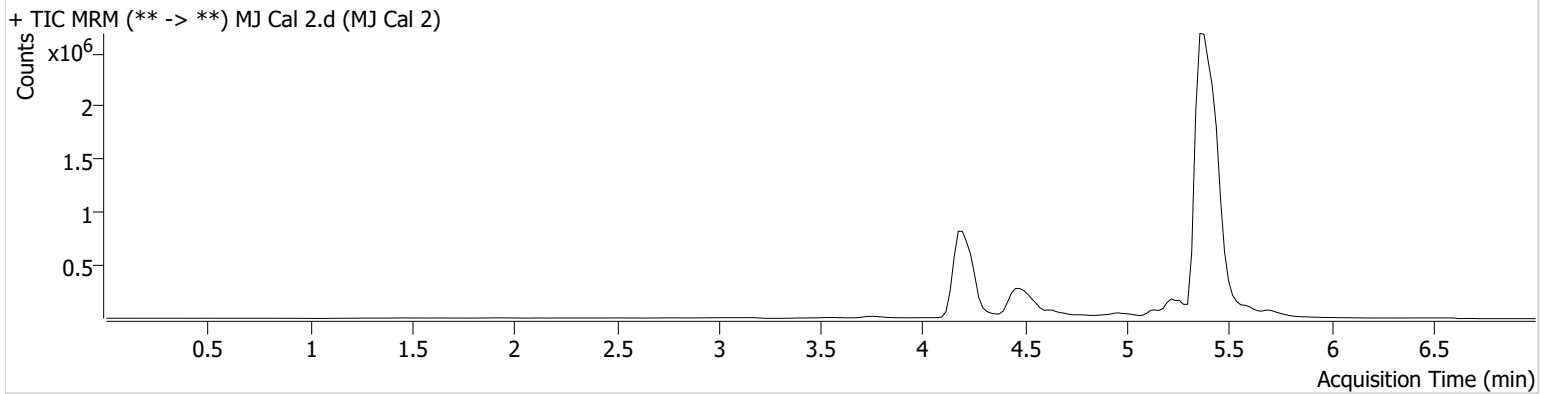
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 1/25/2024 11:56:23 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.329	5131	∞	678.8 High	∞	385614	2.7655 ng/ml
THC-COOH	4.496	252751	3966.10	196.5	∞	1545164	10.5252 ng/ml
THC-OH	4.202	30625	∞	587.9	∞	5210163	3.0135 ng/ml

AM #26 Cannabinoids Screen Results



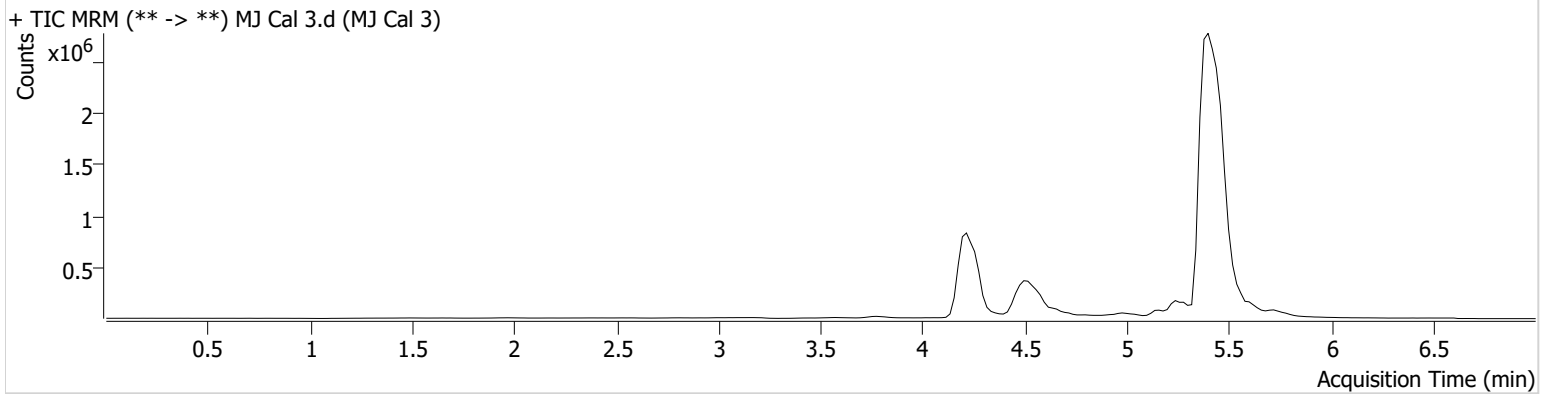
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 1/25/2024 12:03:57 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.349	9806	24.12	369.1 High	∞	338831	5.0569 ng/ml
THC-COOH	4.516	533346	∞	175.7	226.12	1548285	20.6927 ng/ml
THC-OH	4.222	48535	476.63	531.0 Low	∞	5064033	4.8736 ng/ml

AM #26 Cannabinoids Screen Results



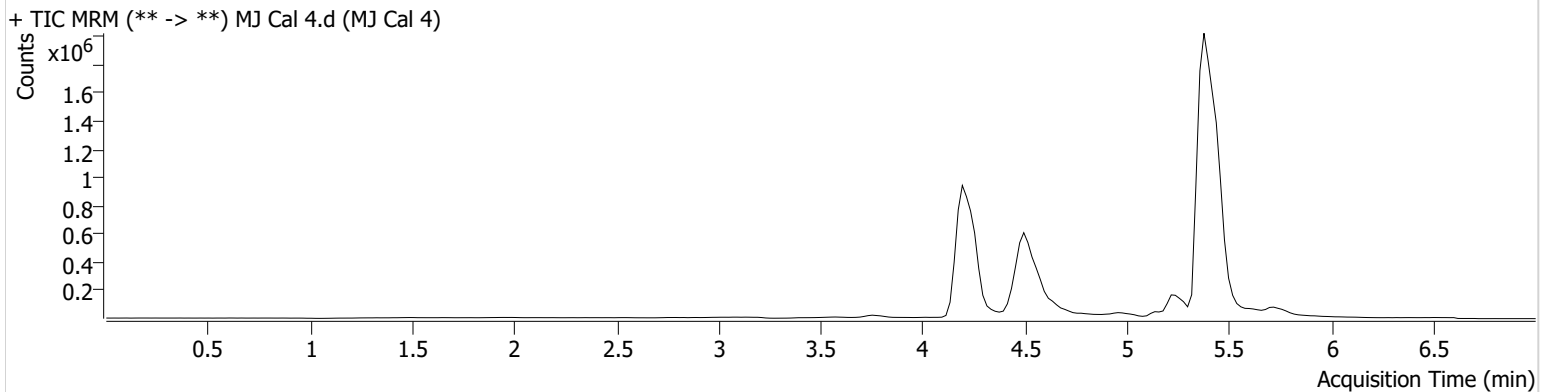
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 1/25/2024 12:11:30 PM
Sample Info.

Data File MJ Cal 4.d
Sample MJ Cal 4
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.349	17366	∞	160.0 Low	∞	275712	10.0461 ng/ml
THC-COOH	4.496	1136043	∞	172.2	∞	1445689	45.4983 ng/ml
THC-OH	4.202	98127	396.12	911.3 High	615.30	5165983	9.5967 ng/ml



AM #26 Cannabinoids Screen Results

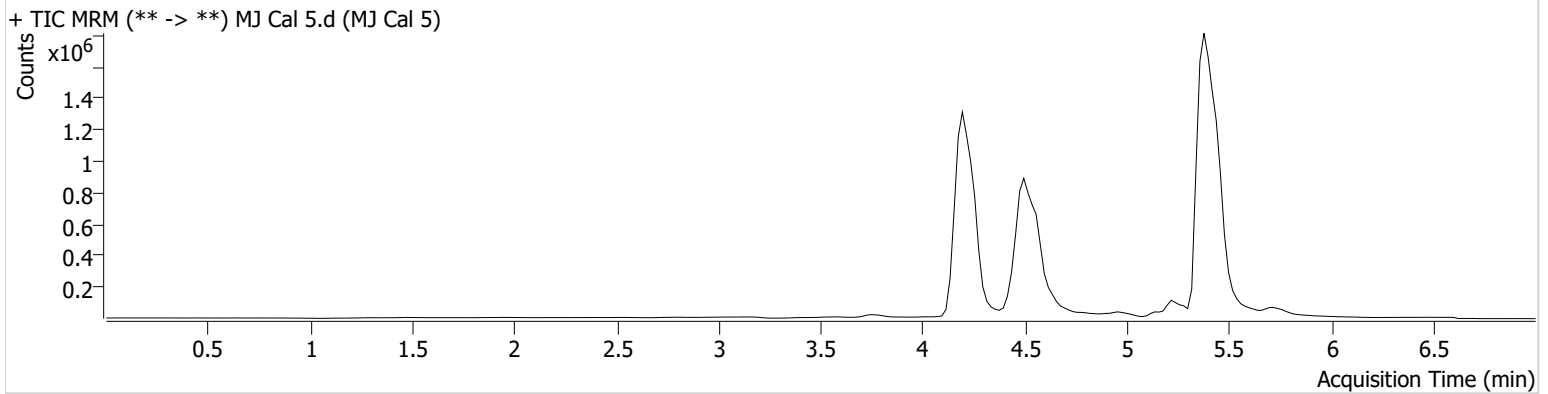
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 1/25/2024 12:19:05 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.349	40142	∞	76.8 Low	∞	234409	25.9110 ng/ml
THC-COOH	4.496	2029853	∞	168.4	∞	1579230	73.5745 ng/ml
THC-OH	4.202	291997	∞	817.7 High	∞	5969222	24.6145 ng/ml

AM #26 Cannabinoids Screen Results



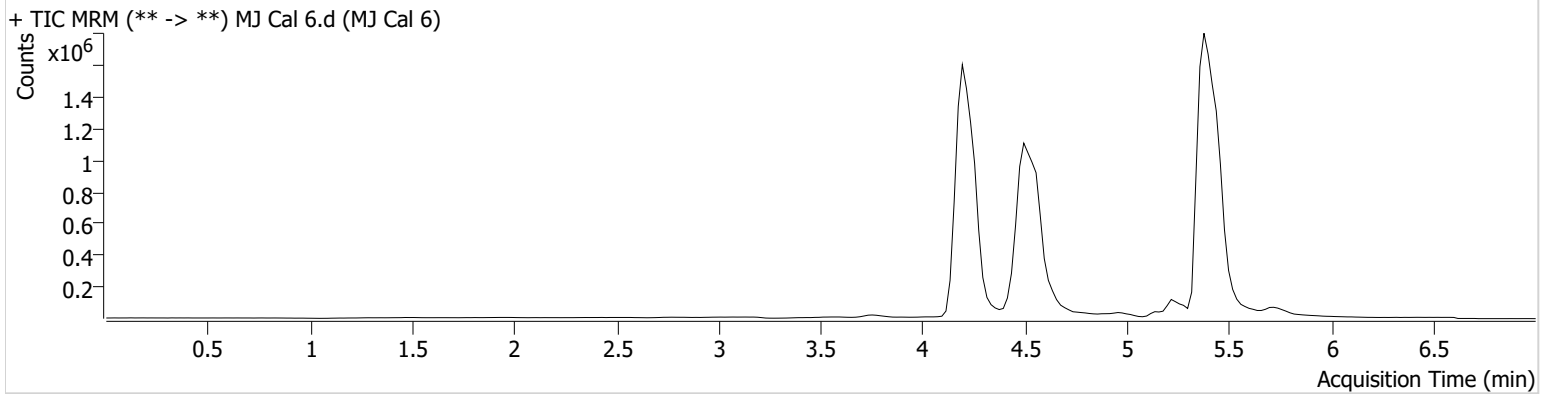
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 1/25/2024 12:26:40 PM
Sample Info.

Data File MJ Cal 6.d
Sample MJ Cal 6
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.349	73740	211.06	56.4 Low	∞	239003	46.0296 ng/ml
THC-COOH	4.496	2777344	∞	164.8	∞	1532208	103.2114 ng/ml
THC-OH	4.202	549679	∞	792.4	∞	5509976	50.1324 ng/ml

AM #26 Cannabinoids Screen Results



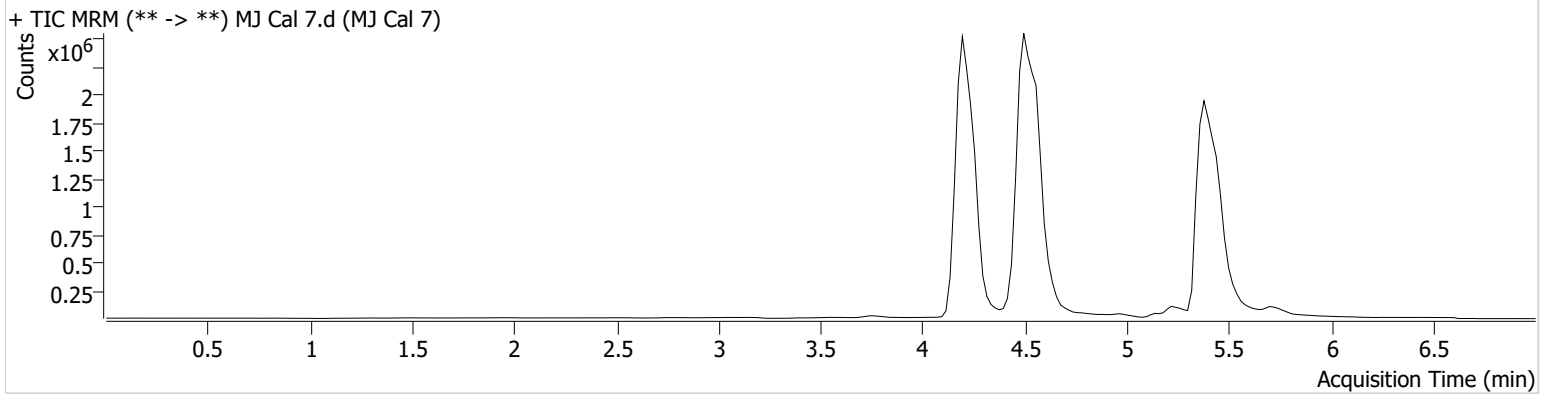
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Calibration Last Update 1/25/2024 6:30:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 1/25/2024 12:34:14 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.349	112111	2109.56	32.3 Low	15.19	160598	103.1169 ng/ml
THC-COOH	4.496	6967308	∞	162.3	∞	1564839	251.5806 ng/ml
THC-OH	4.202	1162794	∞	786.6	∞	5798909	100.7024 ng/ml