REVIEWED
By Anne Nord at 11:37 am, Oct 02, 2024

9/18/2024

Worklist: 6930

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-2869	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
M2024-2997	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
M2024-3073	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
M2024-3143	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
M2024-3495	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
M2024-3866	5	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2442	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
P2024-2598	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-259	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2605	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2608	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2625	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2627	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2720	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2728	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2759	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2848	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
P2024-2871	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2872	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2873	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2912	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 6930

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2024-2918	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2919	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2920	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2946	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2951	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2953	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2957	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ

AM# 25: Multi-Drug Screen in Blood and Urine by LC-MS/MS

Extraction Date: 09/18/2024
Analyst: Celena Shrum
Plate lot#: 240524
Plate Retest Date: 11/24/2024
Mobile phase A: 10mM Amm Form
Mobile phase B: 0.1% Formic Acid in MeOH
Instant Buffer I
Ethyl Acetate LC Methanol
Blank Blood Lot: Lampire 24C52816
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)
LCMS-QQQ ID: 069901
Blank Urine Lot: POC021022

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: Methocarbamol was not evaluated due to potentially interfering peak.

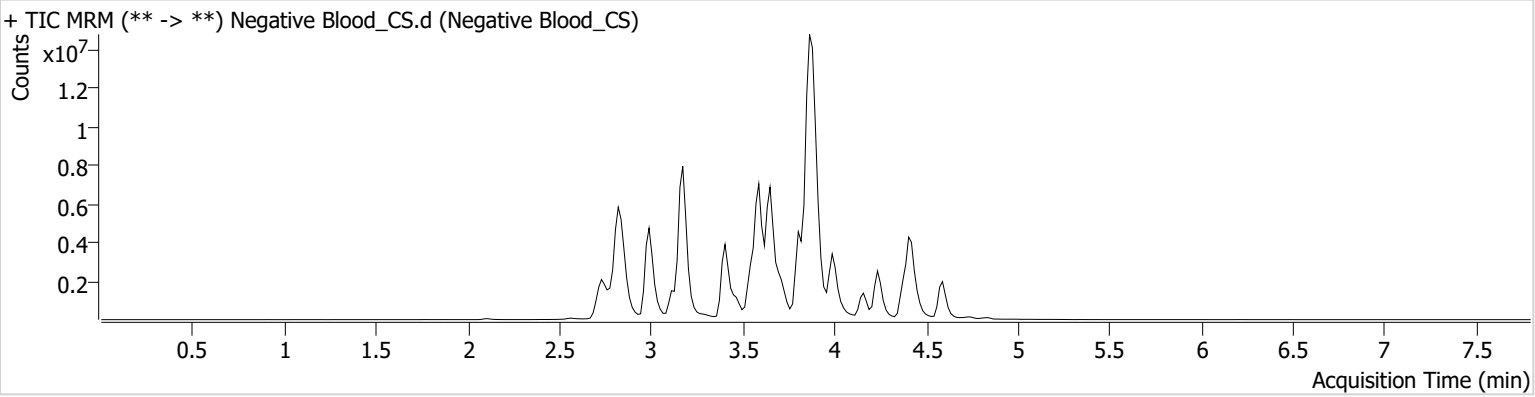
	1	2	3	4	5	6	7	8	9	10	11	12
A									P2024-2599-1	P2024-2871-1	P2024-2951-1	P2024-2848-2
B									P2024-2605-1	P2024-2872-1	P2024-2953-1	P2024-2957-1
C									P2024-2608-1	P2024-2873-1	M2024-2869-2	NEG URINE
D									P2024-2625-1	P2024-2912-1	M2024-2997-2	NEG BLOOD
E									P2024-2627-1	P2024-2918-3	M2024-3073-3	
F									P2024-2720-1	P2024-2919-4	M2024-3143-2	URINE CTRL
G								M2024-3866-5	P2024-2728-1	P2024-2920-1	M2024-3495-2	
H								P2024-2598-1	P2024-2759-1	P2024-2946-1	P2024-2442-2	CAL

AM #25 Multi-Drug Screen. Results

Batch results	D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update	9/24/2024 2:18:21 PM

Instrument	Falco (069901)	**Data File**	Negative Blood_CS.d
Type	Sample	**Sample**	Negative Blood_CS
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P6-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	9/20/2024 12:15:35 AM		
Sample Info.			

Sample Chromatogram

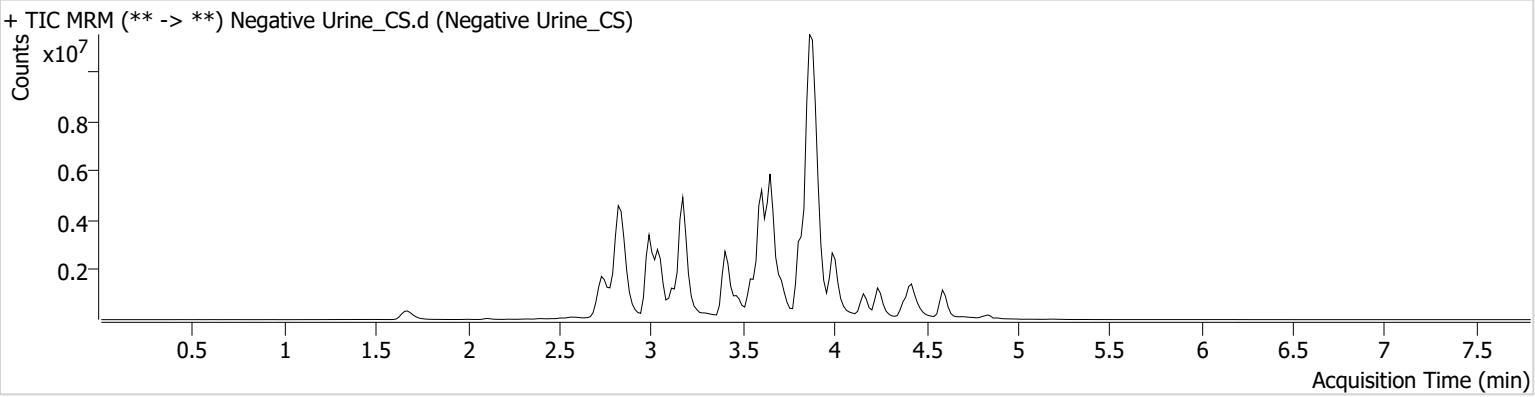


AM #25 Multi-Drug Screen. Results

Batch results	D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update	9/24/2024 2:18:21 PM

Instrument	Falco (069901)	**Data File**	Negative Urine_CS.d
Type	Sample	**Sample**	Negative Urine_CS
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P6-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	9/20/2024 3:12:47 AM		
Sample Info.			

Sample Chromatogram

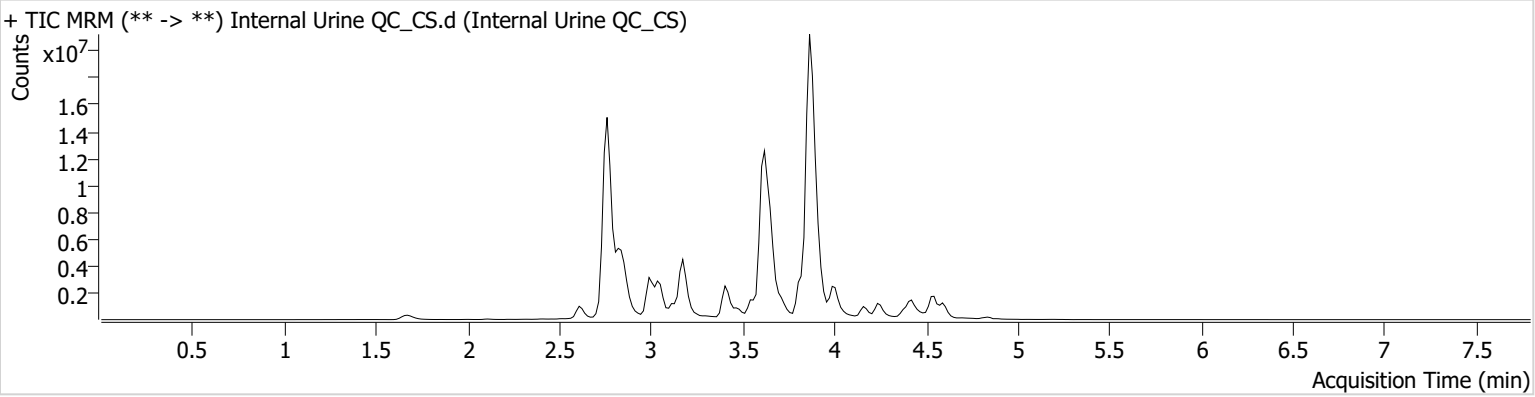


AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 9/24/2024 2:18:21 PM

Instrument	Falco (069901)	**Data File**	Internal Urine QC_CS.d
Type	Sample	**Sample**	Internal Urine QC_CS
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P6-F12	**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	9/20/2024 4:28:46 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.548	2852940	80.80	791.51	2807638	78.4765
Amphetamine	2.772	14084348	2470.38	∞	2045673	95.2998
Codeine	2.611	1323135	1494.51	4773.51	2271889	102.5292
Diphenhydramine	3.872	27527129	4656.22	3781.17	24922995	96.4068
Zolpidem	3.621	23486215	4930.07	3202.36	11928806	111.5853

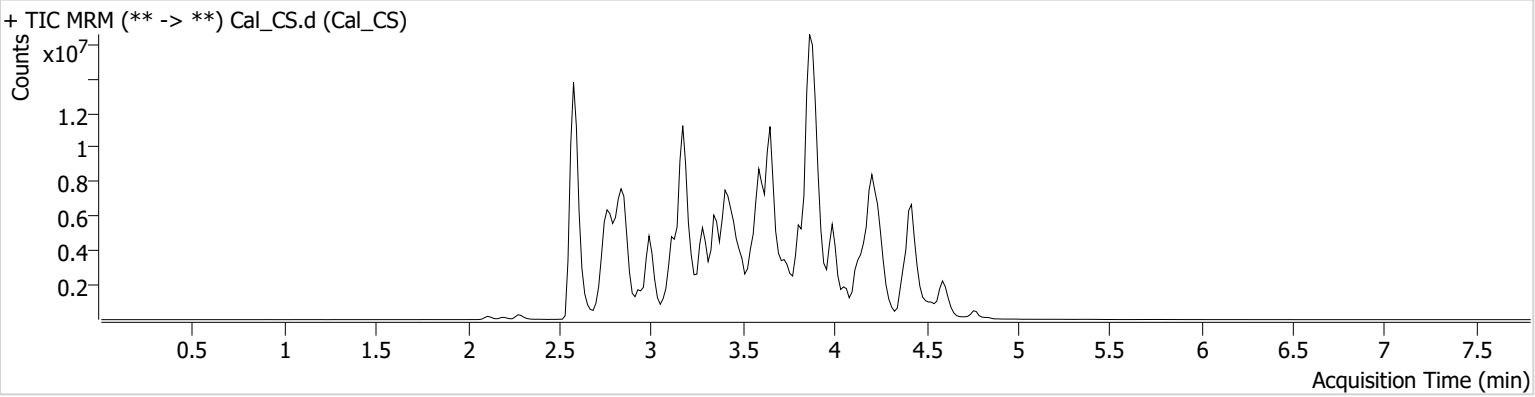
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 9/24/2024 2:18:21 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 25 MDS.m
Sample Position P6-H12
Injection Volume 5
Acq. Date-Time 9/20/2024 12:07:00 AM
Sample Info.

Data File Cal_CS.d
Sample Cal_CS
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	896205	71.47	743.63	4552948	10.0000
6-MAM	2.729	21564	40.67	6274.20	429320	10.0000
7-aminoclonazepam	3.484	728355	291.09	279684.82	2480443	10.0000
7-aminoflunitrazepam	3.685	1177300	1067.47	208.76	2480443	10.0000
9-Hydroxyrisperidone	3.646	5130866	4895.61	79331.31	18010692	10.0000
Acetyl Fentanyl	3.588	208300	487.16	48914.60	22648620	10.0000
Acetyl Norfentanyl	2.768	261157	606290.47	761.14	22648620	10.0000
a-hydroxyalprazolam	4.437	22900	27.25	3785.11	2480443	10.0000
alpha-hydroxymidazolam	4.420	516340	119.22	249.90	2480443	10.0000
Alpha-PHP	3.626	2418662	22364.45	2195.40	22648620	10.0000
alpha-PVP	3.350	3603205	2173.66	502.85	3158045	10.0000
Alprazolam	4.532	503505	108.29	136.36	3888588	10.0000
Amitriptyline	4.242	1804401	461.86	2153.40	6373055	10.0000
Amphetamine	2.772	2281533	742.66	2304.96	3158045	10.0000
Benzoylecgonine	3.314	49962	48903.84	81.98	202157	10.0000
Bromazolam	4.604	366760	2108.48	724.96	3888588	10.0000
Brompheniramine	3.867	48523	170.78	221.30	32768403	10.0000
Buprenorphine	3.908	38004	13411.19	1566.81	1692606	10.0000
Bupropion	3.565	2395034	5067.22	253.03	7343758	10.0000
Carbamazepine	4.168	3208238	∞	328.37	85585	10.0000
Carisoprodol	4.167	292240	602.50	28.64	1828209	10.0000
Chlordiazepoxide	4.518	485647	1710.34	∞	3888588	10.0000
Chlorpheniramine	3.778	3713807	464.57	5.34	5714788	10.0000
Chlorpromazine	4.407	1860938	1344239.98	1043.44	9528582	10.0000
Citalopram	3.912	2279290	610.44	209764.37	32768403	10.0000
Clomipramine	4.423	2579083	15632.34	7305.30	32768403	10.0000
Clonazepam	4.377	204387	1355.92	18964.43	85585	10.0000
Clonazolam	4.296	345147	3426.38	88445.95	3888588	10.0000
Clozapine	3.989	2445759	1499.29	2565.64	8914780	10.0000
Cocaethylene	3.620	2117239	786234.33	278704.36	11308846	10.0000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cocaine	3.406	2566642	2818.19	5842.89	11308846	10.0000
Codeine	2.611	182981	385.20	1050.61	3221346	10.0000
Cyclobenzaprine	4.166	1308220	3776.65	123.87	6373055	10.0000
Desipramine	4.213	4755467	7418.75	1085.35	6373055	10.0000
Dextromethorphan	3.902	1171977	1297.39	288.23	5714788	10.0000
Dextrorphan	3.224	1442934	561.87	470.39	5714788	10.0000
Diazepam	4.781	582278	2724.48	330.43	3888588	10.0000
Dihydrocodeine	2.580	417136	431.60	577.16	3221346	10.0000
Diphenhydramine	3.872	3754121	1121.09	780.86	32768403	10.0000
DMT	2.831	72879	808.41	844.08	5714788	10.0000
Doxepin	3.978	1563101	6739.91	190.50	9124165	10.0000
Doxylamine	3.454	4808456	192.58	14645.51	5714788	10.0000
Duloxetine	4.163	76647	39077.29	22599.84	1258861	10.0000
EDDP	3.901	107883	185.49	28.45	709292	10.0000
Estazolam	4.457	1018147	397.00	565.20	3888588	10.0000
Etizolam	4.543	209920	349817.67	735.41	3888588	10.0000
Fentanyl	3.819	171069	127.60	124.77	11505943	10.0000
Flualprazolam	4.391	154901	104925.09	35259.34	3888588	10.0000
Flunitrazepam	4.500	645013	333.79	1065.68	3888588	10.0000
Fluorofentanyl	3.848	536291	13071.76	1433.35	11505943	10.0000
Fluoxetine	4.193	3024612	2853.69	1923.44	4400845	10.0000
Flurazepam	3.940	1146988	709.05	312.34	3888588	10.0000
Gabapentin	2.557	6031	20.28	8.81	8914780	10.0000
Hydrocodone	2.794	464769	501.77	530.70	3221346	10.0000
Hydromorphone	2.278	439612	355.35	340.52	3221346	10.0000
Hydroxyzine	4.265	1354408	795.64	7641.05	8914780	10.0000
Imipramine	4.211	4133626	1000.02	409.53	6373055	10.0000
Ketamine	3.180	2634560	2054.17	145.03	4160180	10.0000
Lamotrigine	3.363	1805111	1412.09	765.02	32768403	10.0000
Levamisole	2.768	1831691	1605.34	274.06	11308846	10.0000
Levetiracetam	2.588	532174	398.84	71.07	32768403	10.0000
Lorazepam	4.376	97049	517.52	97.51	3888588	10.0000
Maprotiline	4.243	1025587	419.22	267.24	6373055	10.0000
MDA	2.877	964840	751.13	578.89	15152705	10.0000
MDEA	3.089	2019065	1342.03	612.22	15152705	10.0000
MDMA	2.952	2603442	2647.33	2593.81	15152705	10.0000
Meperidine	3.441	1389508	647.21	384.82	5714788	10.0000
Meprobamate	3.613	107009	36769.04	19.93	1828209	10.0000
Methadone	4.208	2102561	580773.86	285.60	709292	10.0000
Methamphetamine	2.863	6005124	591.05	441.55	15152705	10.0000
Methocarbamol	3.503	152588	7.61	12.10	709292	10.0000
Methylphenidate	3.365	6400517	1950.18	419.32	13372940	10.0000
Metoprolol	3.300	496250	655.94	11578.70	5714788	10.0000
Midazolam	4.267	209564	181.52	144.64	3888588	10.0000
Mirtazapine	3.501	2332692	4638.46	1383.28	5714788	10.0000
Mitragynine	3.939	202462	160197.58	339687.37	5714788	10.0000
Morphine	2.113	99162	∞	799.19	132738	10.0000
Norbuprenorphine	3.662	46436	12456.78	4650.57	1692606	10.0000
Nordiazepam	4.629	681652	860.05	384.12	3888588	10.0000
Norfentanyl	3.196	5310140	1328.82	527.98	22648620	10.0000
Norhydrocodone	2.795	7480	2402.72	778.38	3221346	10.0000
Norketamine	3.166	279607	165.87	3839.09	4160180	10.0000
Normeperidine	3.458	1376797	742.43	295.36	32768403	10.0000
Noroxycodone	2.747	329727	23.08	164.35	4160180	10.0000
Nortriptyline	4.244	949832	6411.63	350.84	6373055	10.0000
O-desmethyl-tramadol	2.796	6037347	4511.99	335.76	32768403	10.0000
O-desmethylvenlafaxine	3.132	882123	282.54	13060.49	3770802	10.0000
Olanzapine	3.098	1107410	550046.12	280.78	85585	10.0000
Oxazepam	4.457	236531	357.15	143.67	1597177	10.0000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Oxycodone	2.761	820250	397.71	166363.41	4160180	10.0000
Oxymorphone	2.200	239523	20.51	155.29	3221346	10.0000
Paroxetine	4.174	342437	185.04	866.38	4400845	10.0000
Phenazepam	4.574	404562	212016.26	263580.99	3888588	10.0000
Phencyclidine	3.750	3124657	1954.29	1129.55	5714788	10.0000
Phentermine	3.016	1152862	132.56	8.97	13372940	10.0000
Phenytoin	4.075	178793	702.02	1041.05	85585	10.0000
Primidone	3.429	2382706	3217.74	3008.99	85585	10.0000
Promethazine	4.133	6573386	1758931.85	623.69	32768403	10.0000
Pseudoephedrine	2.588	36376134	953.33	17231.34	15152705	10.0000
Quetiapine	4.064	1948052	1831.90	2622.34	17448530	10.0000
Risperidone	3.816	2949756	10809.13	339.90	18010692	10.0000
Sertraline	4.379	878241	4472.69	2220.52	4400845	10.0000
Sufentanil	4.064	118581	30896.63	209.63	22648620	10.0000
Tapentadol	3.320	3044349	1920.79	662.30	4160180	10.0000
Temazepam	4.595	832726	675.21	131.47	3888588	10.0000
Topiramate	3.803	27987	10582.61	8901.37	27717	10.0000
Tramadol	3.285	11277110	150.07	21.78	32768403	10.0000
Trazodone	3.894	2285314	1738.69	2941.18	9124165	10.0000
Venlafaxine	3.654	4863827	3431.86	1605.57	3770802	10.0000
Xylazine	3.227	2147414	3634.05	186.25	4160180	10.0000
Zaleplon	4.271	660968	22481.84	27639.99	17448530	10.0000
Zolpidem	3.605	3078703	1827.43	1010.28	17448530	10.0000
Zopiclone	3.571	82541	22370.34	3729.64	401479	10.0000

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

Extraction Date: 09/18/2024
Plate lot#: 240513
Mobile phase A: 10mM Amm Form
Blank Blood Lot: Lampire 24C52816
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 11/13/2024
Mobile phase B: 0.1% Formic Acid in MeOH
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)
Blank Urine Lot: POC021022

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, 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: THC not evaluated due to peak shapes.

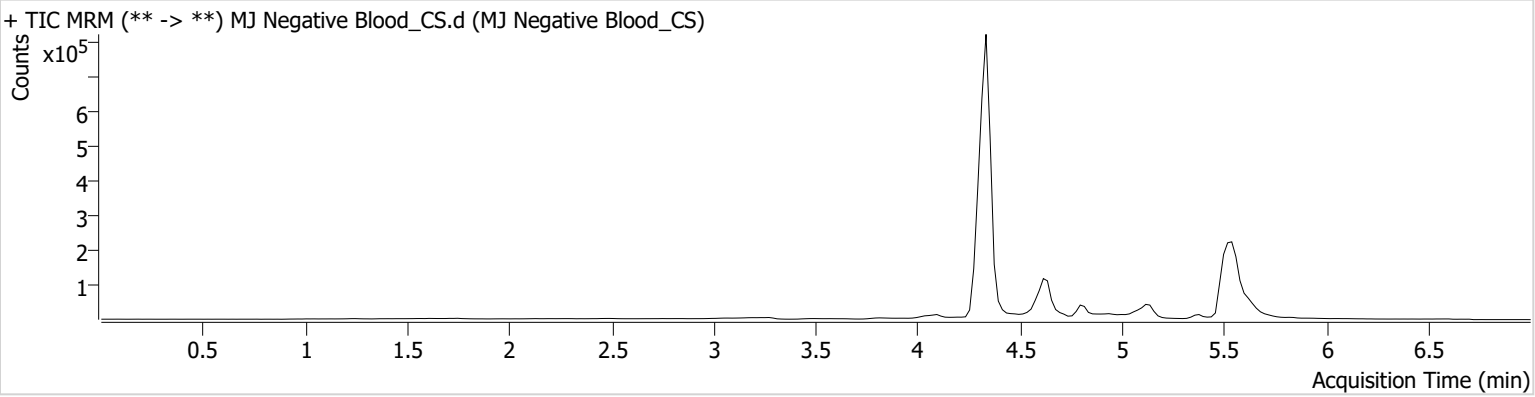
	1	2	3	4	5	6
a	cal 1ng	QC 2	P2024-2627-1	P2024-2918-3	M2024-2997-2	
b	cal 3 ng	NEG CTRL	P2024-2720-1	P2024-2919-4	M2024-3073-3	
c	cal 5 ng	M2024-3866-5	P2024-2728-1	P2024-2920-1	M2024-3143-2	
d	cal 10ng	P2024-2598-1	P2024-2759-1	P2024-2946-1	M2024-3495-2	
e	cal 25 ng	P2024-2599-1	P2024-2871-1	P2024-2951-1	P2024-2442-2	
f	cal 50 ng	P2024-2605-1	P2024-2872-1	P2024-2953-1	P2024-2848-2	
g	cal 100 ng	P2024-2608-1	P2024-2873-1	NEG URINE	P2024-2957-1	
h	QC 1	P2024-2625-1	P2024-2912-1	M2024-2869-2		

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update	9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Negative Blood_CS.d
Type	Sample	**Sample**	MJ Negative Blood_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-B2	**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	9/19/2024 7:37:28 PM		
Sample Info.			

Sample Chromatogram

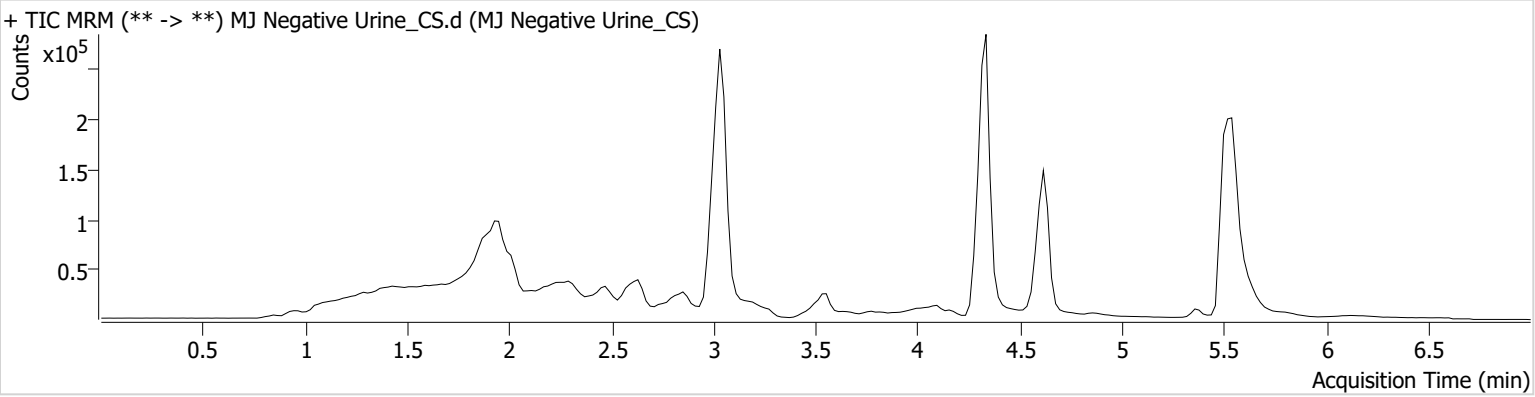


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Negative Urine_CS.d
Type	Sample	**Sample**	MJ Negative Urine_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-G4	**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	9/19/2024 10:16:36 PM		
Sample Info.			

Sample Chromatogram

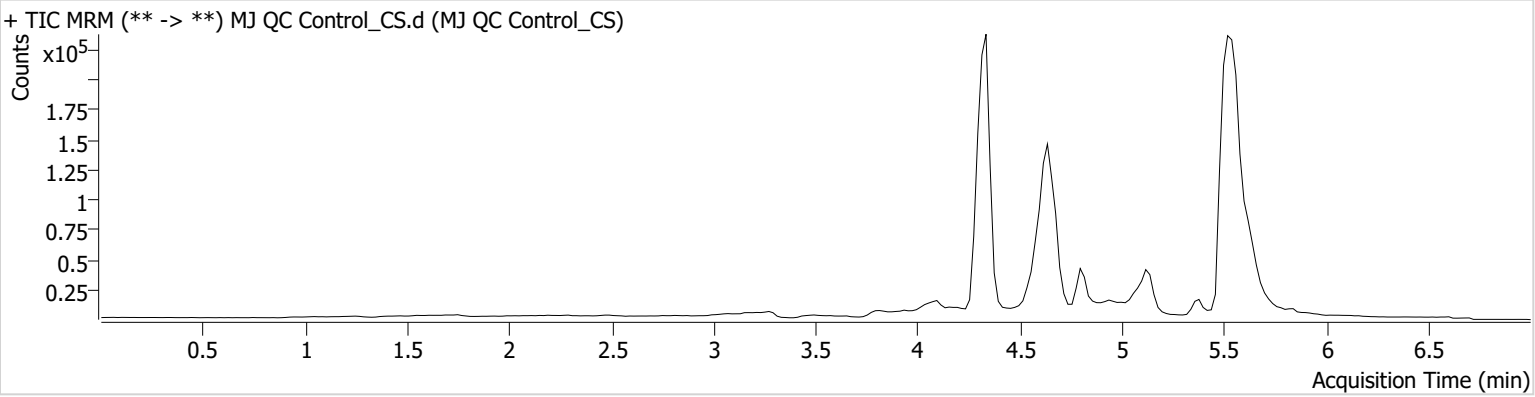


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ QC Control_CS.d
Type	QC	**Sample**	MJ QC Control_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-H1	**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	9/19/2024 7:22:19 PM		
Sample Info.			

Sample Chromatogram



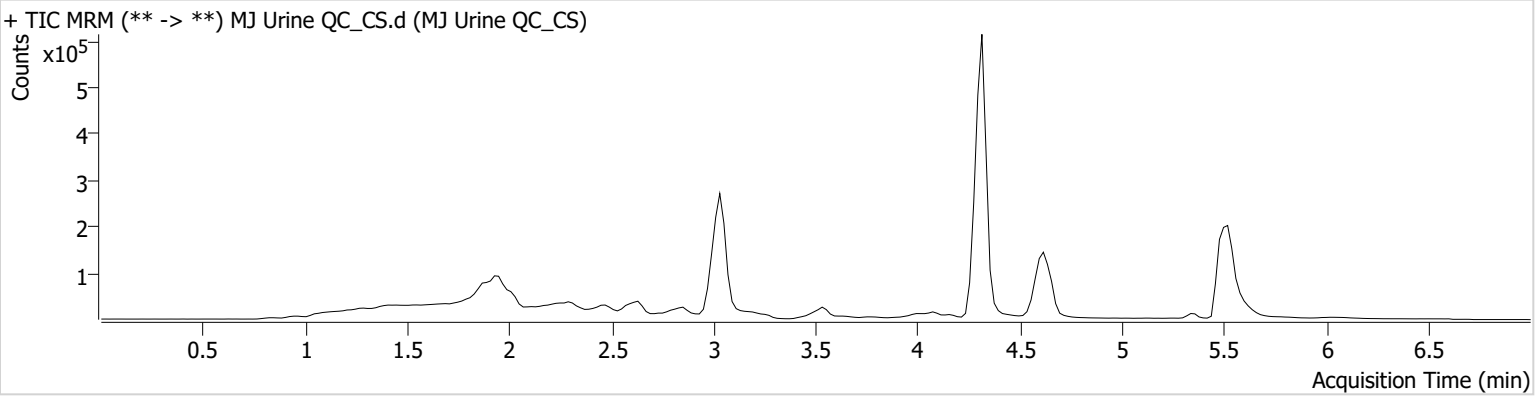
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	1774	31966	4.38 ng/ml
THC-COOH	4.656	86123	474984	14.48 ng/ml
THC-OH	4.342	7645	963653	4.64 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Urine QC_CS.d
Type	QC	**Sample**	MJ Urine QC_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-A2	**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	9/19/2024 11:32:24 PM		
Sample Info.			

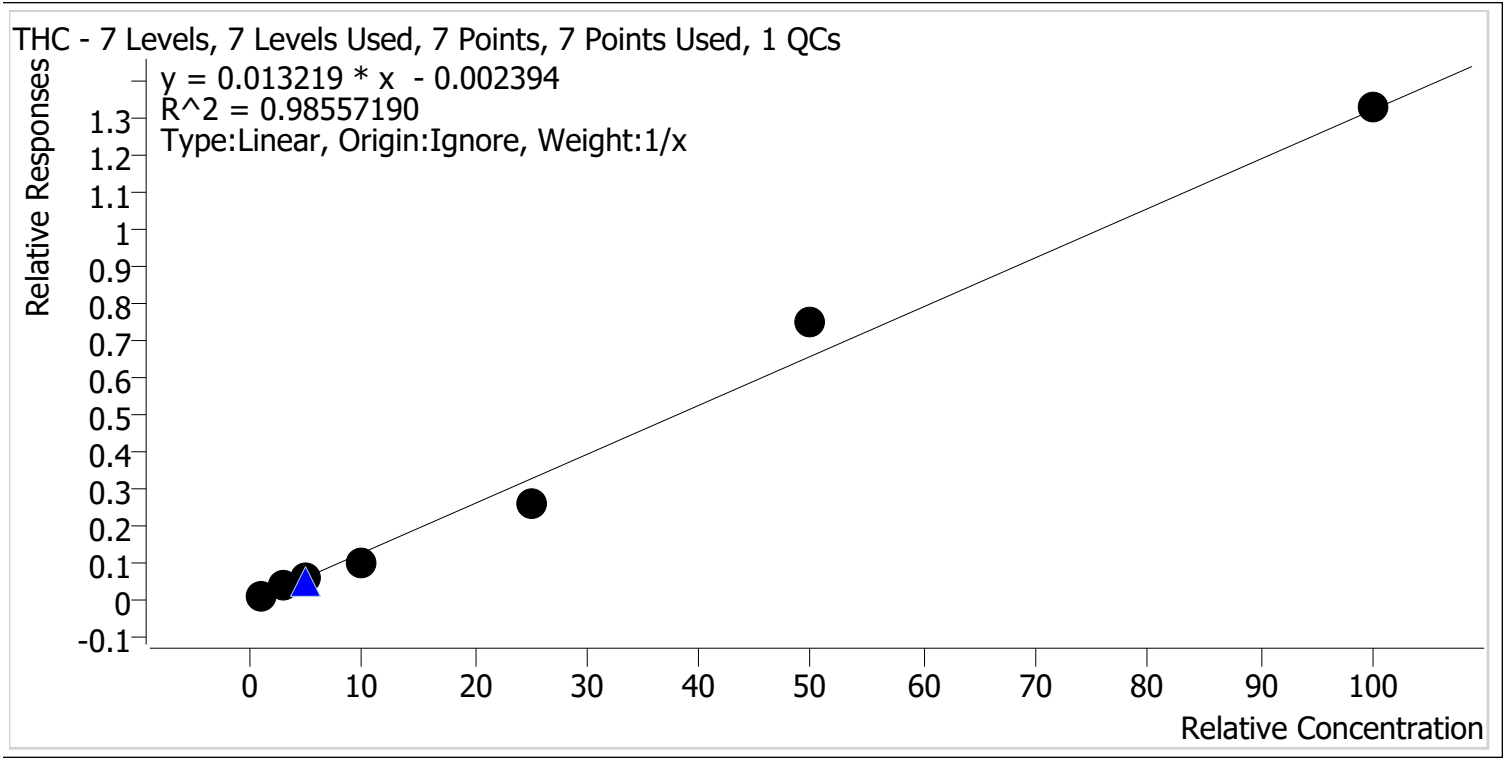
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	4.636	102029	472005	17.15 ng/ml
THC-OH	4.322	19885	2113613	5.49 ng/ml

AM #26 Cannabinoids Screen Calibration Curve Report

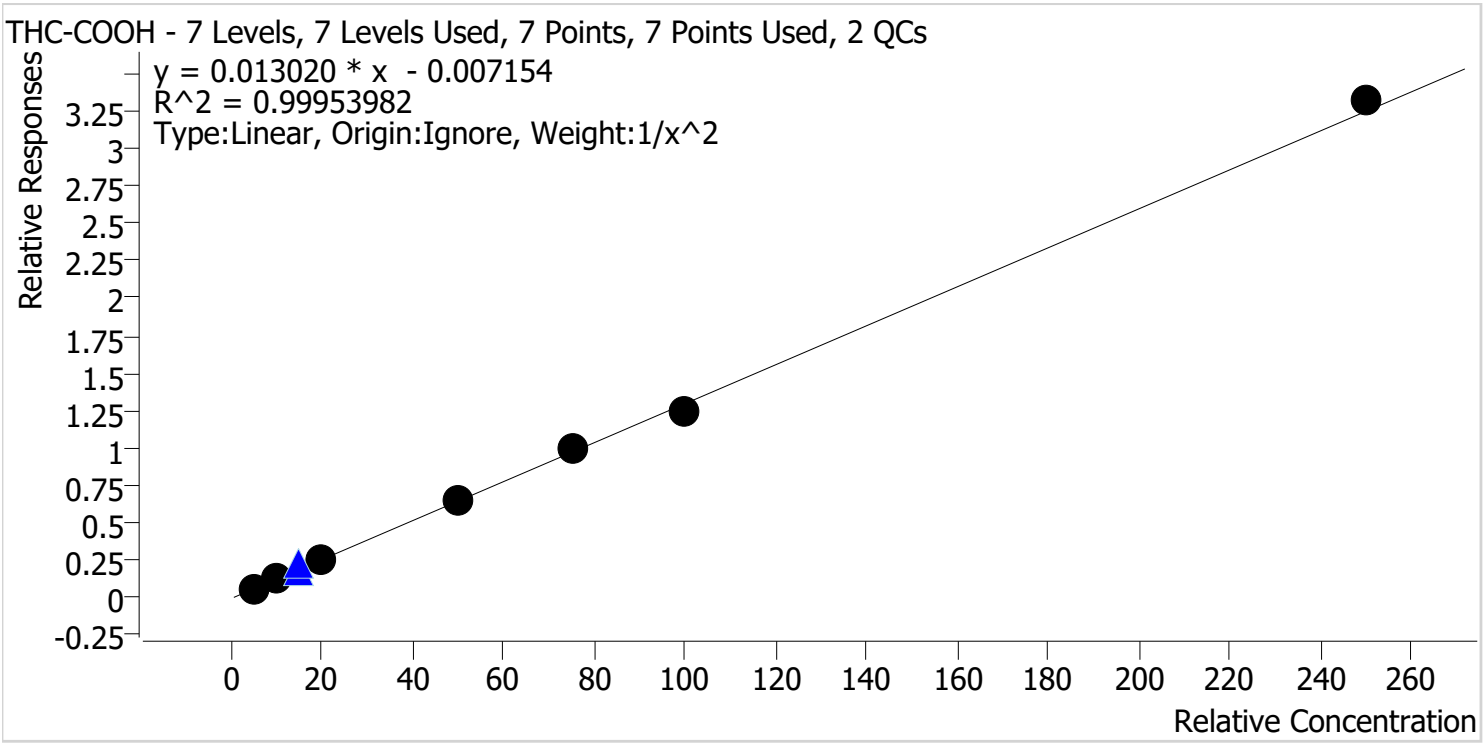
Batch results	D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	9/24/2024 2:22 PM
Analyst Name	ISP\Datastor
Analyte	THC
Internal Standard	THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1_CS	1	✔	1.0	1.3	130.7
MJ Cal 2_CS	2	✔	3.0	3.1	102.7
MJ Cal 3_CS	3	✔	5.0	4.6	92.7
MJ Cal 4_CS	4	✔	10.0	8.1	80.8
MJ Cal 5_CS	5	✔	25.0	19.9	79.5
MJ Cal 6_CS	6	✔	50.0	56.6	113.2
MJ Cal 7_CS	7	✔	100.0	100.4	100.4

AM #26 Cannabinoids Screen Calibration Curve Report

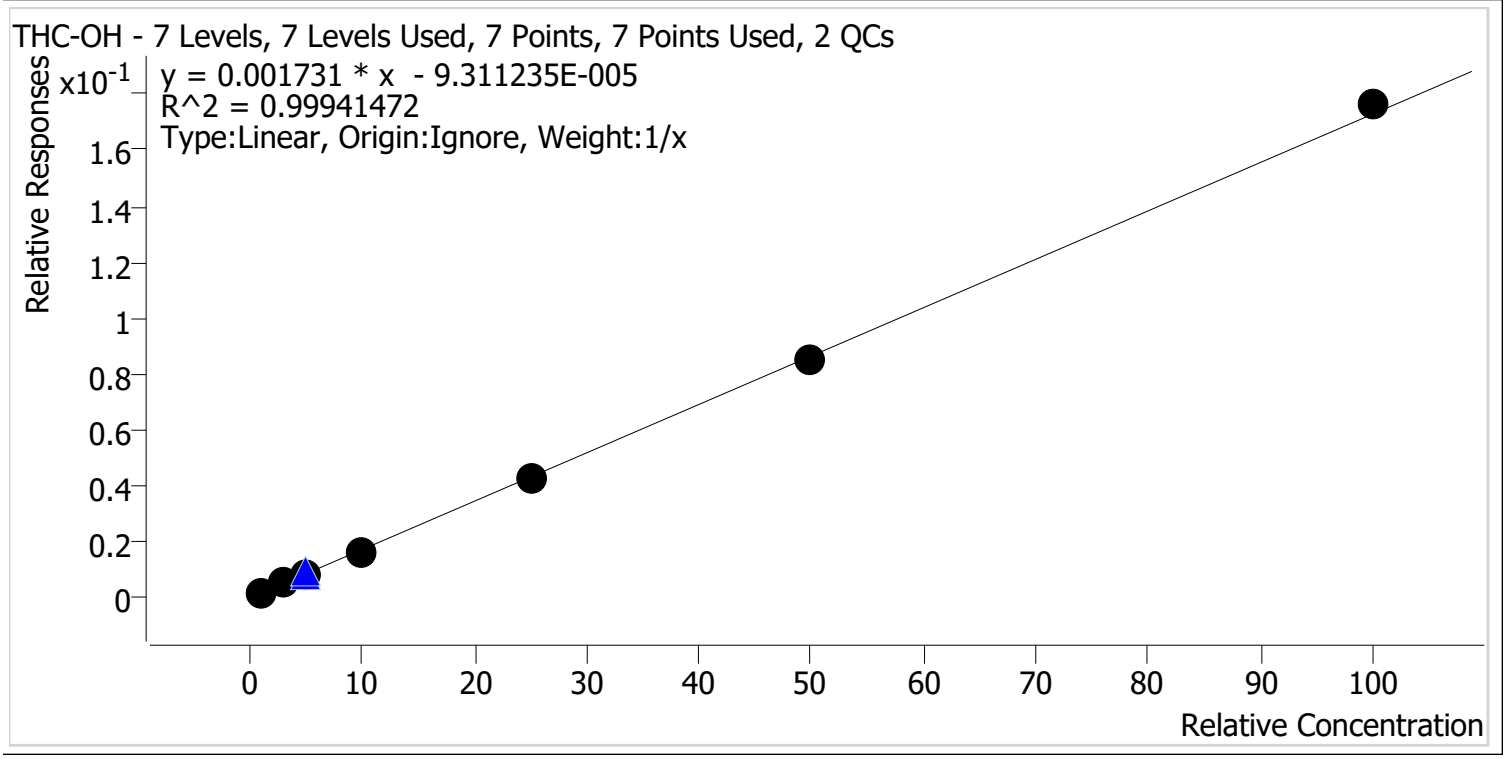
Batch results	D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	9/24/2024 2:22 PM
Analyst Name	ISP\Datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1_CS	1	✔	5.0	5.0	100.2
MJ Cal 2_CS	2	✔	10.0	10.0	100.2
MJ Cal 3_CS	3	✔	20.0	19.7	98.6
MJ Cal 4_CS	4	✔	50.0	50.1	100.3
MJ Cal 5_CS	5	✔	75.0	76.2	101.5
MJ Cal 6_CS	6	✔	100.0	96.9	96.9
MJ Cal 7_CS	7	✔	250.0	255.5	102.2

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	9/24/2024 2:22 PM
Analyst Name	ISP\Datastor
Analyte	THC-OH
Internal Standard	THC-OH-D3



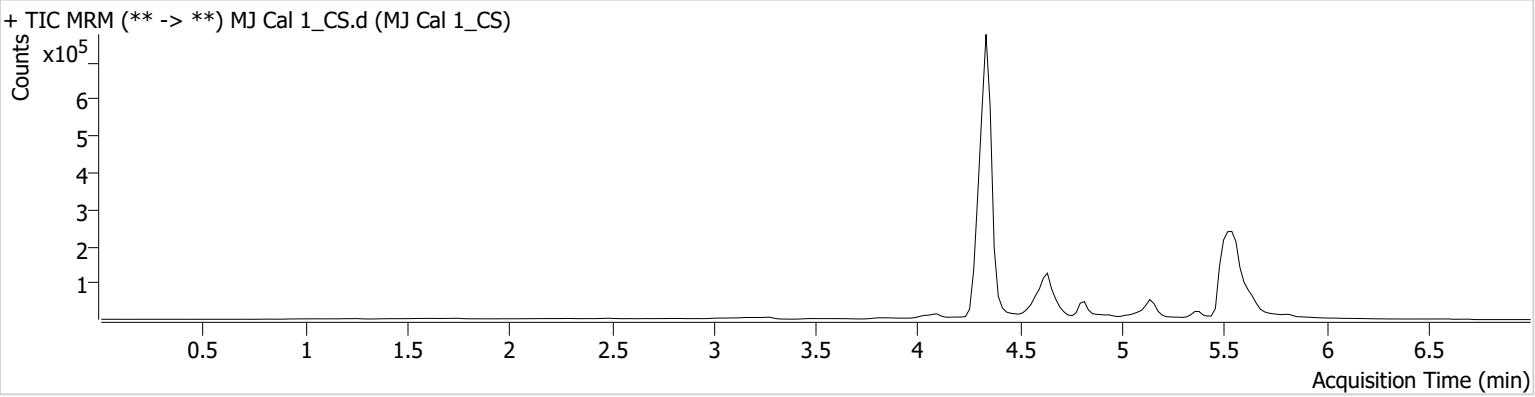
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1_CS	1	✔	1.0	1.1	109.3
MJ Cal 2_CS	2	✔	3.0	3.0	100.6
MJ Cal 3_CS	3	✔	5.0	4.8	95.8
MJ Cal 4_CS	4	✔	10.0	9.7	96.6
MJ Cal 5_CS	5	✔	25.0	24.3	97.4
MJ Cal 6_CS	6	✔	50.0	49.2	98.3
MJ Cal 7_CS	7	✔	100.0	101.9	101.9

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 1_CS.d
Type	Cal	**Sample**	MJ Cal 1_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-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	9/19/2024 6:29:07 PM		
Sample Info.			

Sample Chromatogram



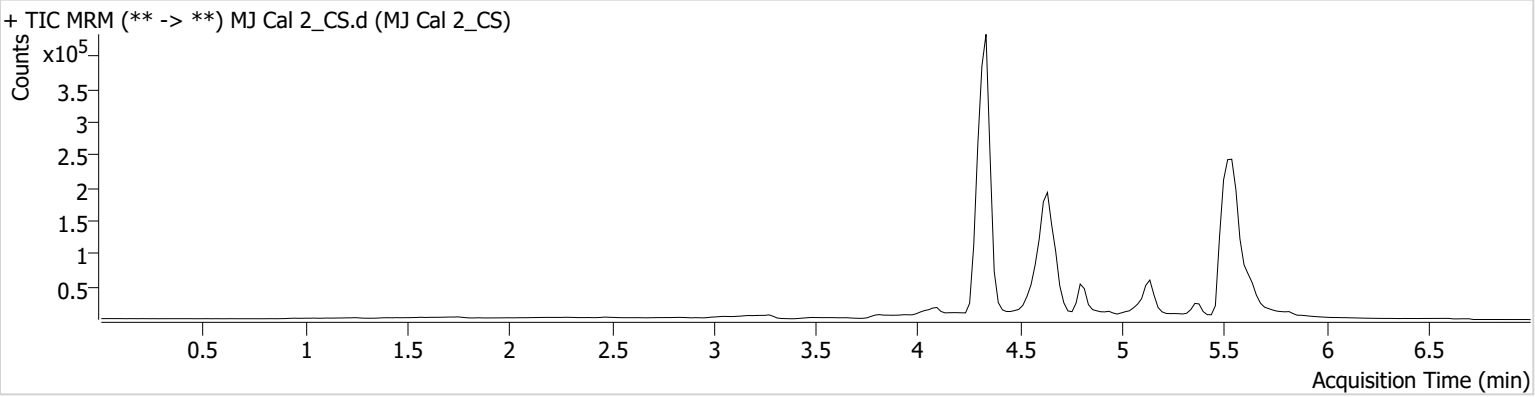
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.590	1799	120870	1.31 ng/ml **Low**
THC-COOH	4.656	32321	556288	5.01 ng/ml
THC-OH	4.362	5698	3168782	1.09 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 2_CS.d
Type	Cal	**Sample**	MJ Cal 2_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-B1	**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	9/19/2024 6:36:52 PM		
Sample Info.			

Sample Chromatogram



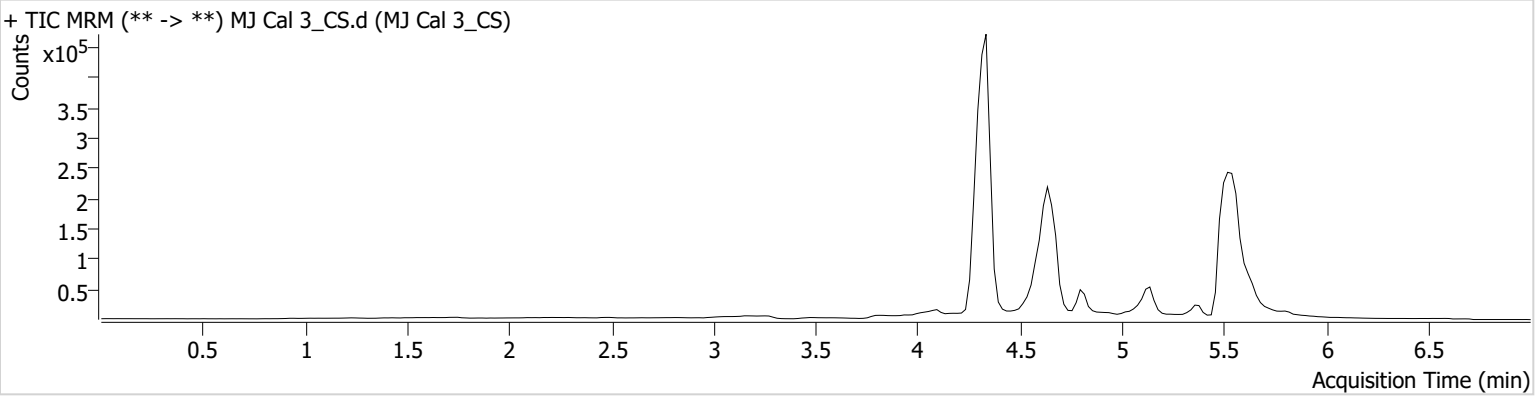
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	6301	164323	3.08 ng/ml
THC-COOH	4.656	83171	674719	10.02 ng/ml
THC-OH	4.342	9128	1778458	3.02 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 3_CS.d
Type	Cal	**Sample**	MJ Cal 3_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-C1	**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	9/19/2024 6:44:26 PM		
Sample Info.			

Sample Chromatogram



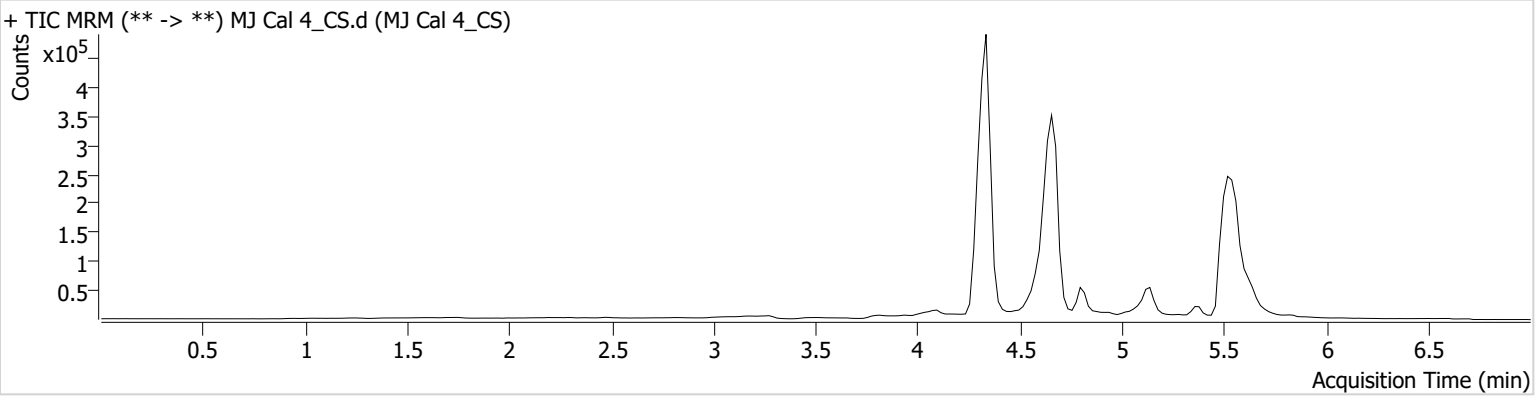
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	7886	134015	4.63 ng/ml
THC-COOH	4.656	163936	656647	19.72 ng/ml
THC-OH	4.342	17397	2121452	4.79 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 4_CS.d
Type	Cal	**Sample**	MJ Cal 4_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-D1	**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	9/19/2024 6:52:01 PM		
Sample Info.			

Sample Chromatogram



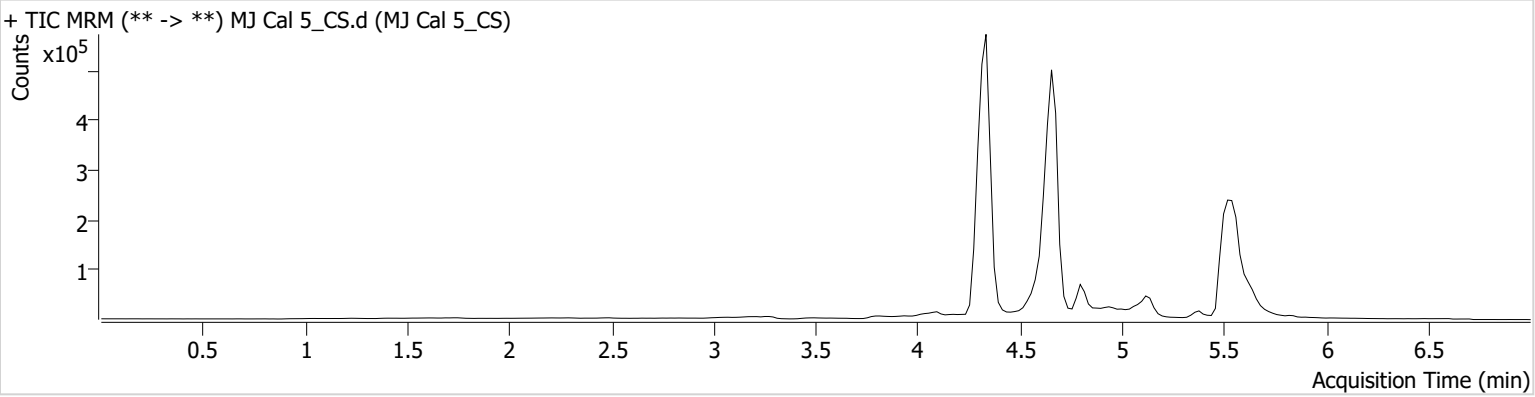
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	14732	141093	8.08 ng/ml
THC-COOH	4.656	400718	620517	50.15 ng/ml
THC-OH	4.342	30237	1818191	9.66 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 5_CS.d
Type	Cal	**Sample**	MJ Cal 5_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-E1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	9/19/2024 6:59:36 PM		
Sample Info.			

Sample Chromatogram



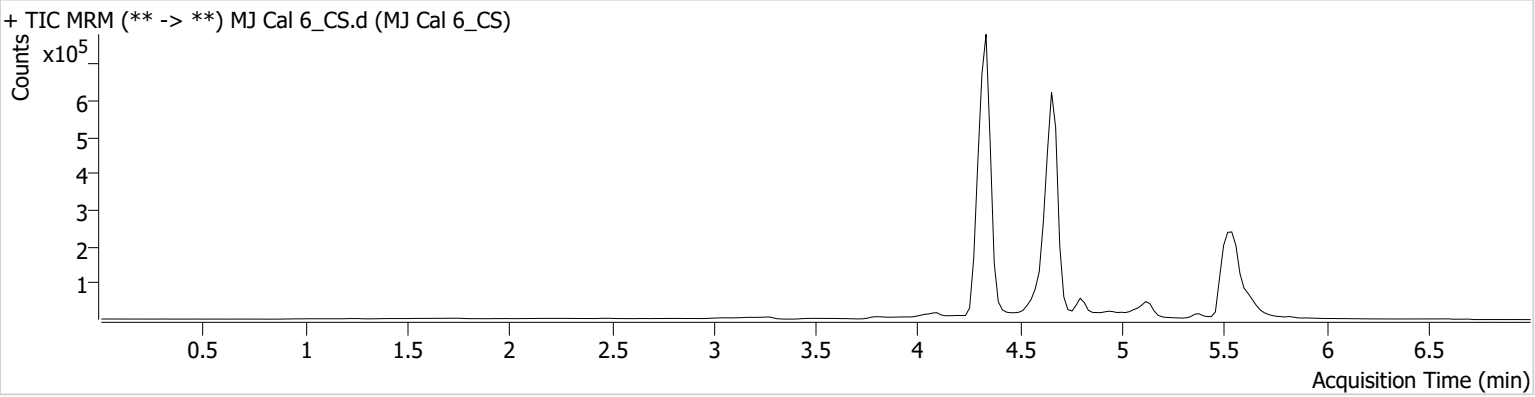
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	33945	130467	19.86 ng/ml
THC-COOH	4.656	600786	610303	76.16 ng/ml
THC-OH	4.342	76506	1819537	24.35 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 6_CS.d
Type	Cal	**Sample**	MJ Cal 6_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-F1	**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	9/19/2024 7:07:10 PM		
Sample Info.			

Sample Chromatogram



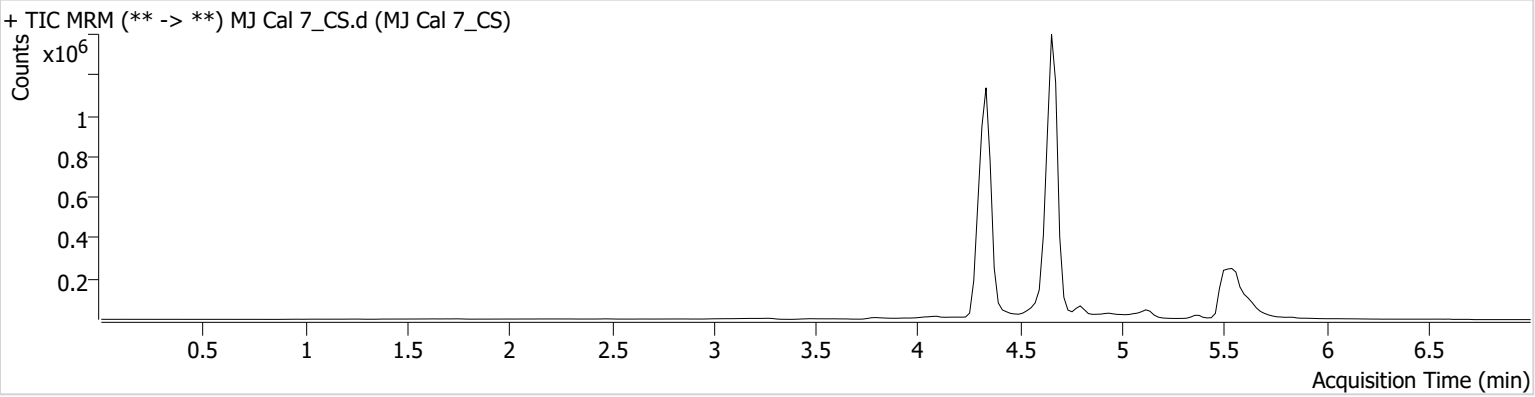
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	74049	99301	56.59 ng/ml
THC-COOH	4.656	789935	629366	96.95 ng/ml
THC-OH	4.342	163244	1920395	49.17 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\091924 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 9/24/2024 2:22:18 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 7_CS.d
Type	Cal	**Sample**	MJ Cal 7_CS
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P5-G1	**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	9/19/2024 7:14:44 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	67456	50898	100.44 ng/ml
THC-COOH	4.656	1876074	565219	255.48 ng/ml
THC-OH	4.342	339395	1924905	101.92 ng/ml