









Worklist: 6632

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4981	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4982	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5033	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5072	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5072	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5108	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5110	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5156	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5235	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-5273	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3554	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3554	2	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3573	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3618	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3648	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3649	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3701	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3713	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3759	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3776	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3800	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6632

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-3801	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3823	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3835	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3836	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3840	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3847	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3859	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3862	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

TS

Extraction Date: 01/08/2024

Analyst: Tamara Salazar

Plate lot#: 230712

Plate Retest Date: 01/12/2024

Mobile phase A: 10mM Amm Form in LCMS Water

Mobile phase B: 0.1% Formic Acid in MeOH

Blank Blood Lot: Lampire 23E52981

Blank Urine Lot:

LCMS-QQQ ID: 069901

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. 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: Extraction performed on 01/08/2024, but the samples were not injected until 01/09/2024 due to the instrument being in use. The samples were kept in the freezer until the instrument was available.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	M2023-5072-1	P2023-3554-2	P2023-3776-1	P2023-3859-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
B	IS + Cal. 1	M2023-5072-2	P2023-3573-1	P2023-3800-1	P2023-3862-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
C	IS + Control 1	M2023-5108-1	P2023-3618-1	P2023-3801-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
D	IS + Control 1	M2023-5110-1	P2023-3648-1	P2023-3823-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
E	Neg Blood	M2023-5156-2	P2023-3649-1	P2023-3835-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Control 1
F	M2023-4981-1	M2023-5235-3	P2023-3701-1	P2023-3836-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Control 1
G	M2023-4982-1	M2023-5273-2	P2023-3713-1	P2023-3840-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1
H	M2023-5033-1	P2023-3554-1	P2023-3759-1	P2023-3847-1	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

TS



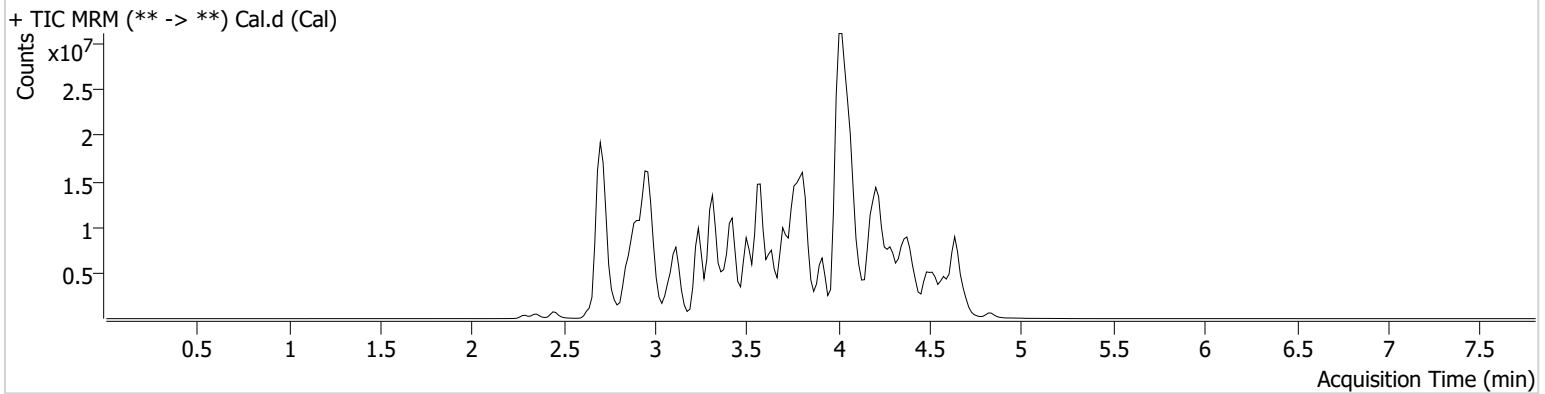
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/10/2024 3:20:06 PM

Instrument Falco (069901) **Data File** Cal.d
Type Cal **Sample** Cal
Acq. Method AM 25 MDS.m **Operator** Tamara Salazar
Sample Position P4-A1 **Comment**
Injection Volume 5
Acq. Date-Time 1/9/2024 3:09:47 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
10-OH-Carbamazepine	3.749	2324235	220.39	101.3	286.46	15526080	10.0000 ng/ml
6-MAM	2.882	46447	499.24	79.7	17.04	1786838	10.0000 ng/ml
7-aminoclonazepam	3.592	1036109	873.18	77.1	653.51	4835583	10.0000 ng/ml
7-aminoflunitrazepam	3.792	1715207	∞	22.7	621.81	4835583	10.0000 ng/ml
9-Hydroxyrisperidone	3.815	7087943	1047.33	2.5	101019.11	31908785	10.0000 ng/ml
Acetyl Fentanyl	3.774	344274	370.52	66.7	86321.85	33061393	10.0000 ng/ml
Acetyl Norfentanyl	2.905	455397	925.25	33.1	351.05	33061393	10.0000 ng/ml
a-hydroxyalprazolam	4.498	256421	290.16	49.6	106.72	4835583	10.0000 ng/ml
alpha-hydroxymidazolam	4.574	1813070	572.74	65.7	424.16	4835583	10.0000 ng/ml
Alpha-PHP	3.781	4720501	4616.31	35.7	3187.74	33061393	10.0000 ng/ml
alpha-PVP	3.520	7168866	2513.22	46.3	1009.34	14312842	10.0000 ng/ml
Alprazolam	4.608	2355697	554.69	97.2	821.88	15564730	10.0000 ng/ml
Amitriptyline	4.396	1831673	156.51	64.4	420.80	5458197	10.0000 ng/ml
Amphetamine	2.879	3416062	1293.09	239.4	1116.88	14312842	10.0000 ng/ml
Benzoylcegonine	3.392	93516	64949.58	26.9	210.59	452884	10.0000 ng/ml
Bromazolam	4.680	942127	344062.94	138.2	17658.95	15564730	10.0000 ng/ml
Brompheniramine	4.005	105859	42764.14	924.2	289536.81	44362939	10.0000 ng/ml
Buprenorphine	4.216	72312	14913.21	11.6	6669.52	2990443	10.0000 ng/ml
Bupropion	3.719	5196842	806.60	63.6	999.46	20773938	10.0000 ng/ml
Carbamazepine	4.214	8078025	2055.04	90.0	1086.06	151389	10.0000 ng/ml
Carisoprodol	4.197	822238	11179.89	76.9	98.15	5662346	10.0000 ng/ml
Chlordiazepoxide	4.702	886036	675.65	54.6	116.36	15564730	10.0000 ng/ml
Chlorpheniramine	3.917	7370630	554.91	0.2	6601.44	12647086	10.0000 ng/ml
Chlorpromazine	4.576	1167744	1620.82	105.3	52831.15	4652316	10.0000 ng/ml
Citalopram	4.035	3211216	394.27	27.4	630269.26	44362939	10.0000 ng/ml
Clomipramine	4.577	1386766	4930.83	82.6	5529.96	44362939	10.0000 ng/ml
Clonazepam	4.422	759907	2977.23	28.6	245598.68	151389	10.0000 ng/ml
Clonazolam	4.357	1102100	440138.97	32.9	255876.08	15564730	10.0000 ng/ml
Clozapine	4.174	3751779	1762.89	80.7	393013.60	17920128	10.0000 ng/ml
Cocaethylene	3.774	4583428	2414194.44	51.2	1725958.50	28209295	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaine	3.560	4979282	2746164.74	21.9	344.65	28209295	10.0000 ng/ml
Codeine	2.779	370005	221921.57	102.3	613284.50	8267311	10.0000 ng/ml
Cyclobenzaprine	4.320	2085465	224.45	9.7	100.61	5458197	10.0000 ng/ml
Desipramine	4.351	4234367	1786.21	42.7	1053.06	5458197	10.0000 ng/ml
Dextromethorphan	4.056	2125123	443.24	86.2	420.30	12647086	10.0000 ng/ml
Dextrorphan	3.379	2934165	897.82	55.3	633.29	12647086	10.0000 ng/ml
Diazepam	4.841	985361	2739.98	85.6	490.68	15564730	10.0000 ng/ml
Dihydrocodeine	2.747	1069947	487.53	66.7	2376.76	8267311	10.0000 ng/ml
Diphenhydramine	4.011	10260284	2613.10	29.0	260261.71	44362939	10.0000 ng/ml
DMT	2.968	359141	722.26	151.6	3235.83	12647086	10.0000 ng/ml
Doxepin	4.117	2350698	184.19	43.7	131.79	23550073	10.0000 ng/ml
Doxylamine	3.639	10393411	25802.26	91.1	∞	12647086	10.0000 ng/ml
Duloxetine	4.301	43731	39946.70	1113.5	2074.43	634521	10.0000 ng/ml
EDDP	4.071	728730	256141.26	50.9	∞	3727760	10.0000 ng/ml
Etazolam	4.517	4256588	1028.91	51.0	982538.81	15564730	10.0000 ng/ml
Etizolam	4.635	381379	247623.47	344.7	585531.80	15564730	10.0000 ng/ml
Fentanyl	4.003	244487	638.19	58.6	87594.60	18107340	10.0000 ng/ml
Flualprazolam	4.482	888188	777556.54	127.1	349075.17	15564730	10.0000 ng/ml
Flunitrazepam	4.531	1414276	117697.79	39.7	304639.16	15564730	10.0000 ng/ml
Fluorofentanyl	4.018	397111	2972.78	73.8	163.89	18107340	10.0000 ng/ml
Fluoxetine	4.300	1765767	2695.30	5.9	45.09	2054633	10.0000 ng/ml
Flurazepam	4.109	2738656	873605.00	23.4	136141.78	15564730	10.0000 ng/ml
Hydrocodone	2.977	1266033	1201.93	42.3	666.25	8267311	10.0000 ng/ml
Hydromorphone	2.445	1205367	3593.82	82.6	1064.60	157268	10.0000 ng/ml
Hydroxyzine	4.418	2616201	5646.88	77.8	1593.11	17920128	10.0000 ng/ml
Imipramine	4.349	5486092	1660.51	61.1	747.86	5458197	10.0000 ng/ml
Ketamine	3.396	3745106	3333.39	33.2	137.60	10825314	10.0000 ng/ml
Lamotrigine	3.533	362199	275.17	75.6	979.81	44362939	10.0000 ng/ml
Levamisole	2.936	2852751	711.15	92.7	1243.88	28209295	10.0000 ng/ml
Levetiracetam	2.649	2080124	1215.58	54.9	876.26	44362939	10.0000 ng/ml
Lorazepam	4.422	299292	114175.00	257.5	∞	15564730	10.0000 ng/ml
Maprotiline	4.396	1210695	178.79	73.2	271.19	5458197	10.0000 ng/ml
MDA	2.999	2293144	529.44	45.1	636.42	34168045	10.0000 ng/ml
MDEA	3.229	4823393	1670.68	53.5	463.14	34168045	10.0000 ng/ml
MDMA	3.075	5753014	802.75	53.3	594.02	34168045	10.0000 ng/ml
Meperidine	3.580	2457933	8010.48	62.0	454.45	12647086	10.0000 ng/ml
Meprobamate	3.659	595197	261.65	23.0	220.34	5662346	10.0000 ng/ml
Methadone	4.377	5404192	937.90	57.5	1016.74	3727760	10.0000 ng/ml
Methamphetamine	2.986	6709711	608.68	38.3	516.02	34168045	10.0000 ng/ml
Methocarbamol	3.580	323435	204.82	89.4	1144.91	3727760	10.0000 ng/ml
Methylphenidate	3.504	13511320	1628.93	22.3	50.58	20191444	10.0000 ng/ml
Metoprolol	3.440	972197	706.92	98.4	184.13	12647086	10.0000 ng/ml
Midazolam	4.698	692972	2556.03	84.9	208993.30	15564730	10.0000 ng/ml
Mirtazapine	3.763	3515209	1241.80	183.1	8398.24	12647086	10.0000 ng/ml
Mitragynine	4.140	565439	812.23	214.9	2606.22	12647086	10.0000 ng/ml
Morphine	2.294	254897	598.73	103.7	342.32	157268	10.0000 ng/ml
Norbuprenorphine	3.800	72892	287.48	107.5	23414.91	2990443	10.0000 ng/ml
Nordiazepam	4.674	1139200	882.80	58.3	249.76	15564730	10.0000 ng/ml
Norfentanyl	3.319	7839130	52494.88	37.0	45.18	33061393	10.0000 ng/ml
Norhydrocodone	2.918	151472	94.02	43.9	89.38	157268	10.0000 ng/ml
Norketamine	3.413	640496	620.80	532.3	16881.66	10825314	10.0000 ng/ml
Normeperidine	3.596	2941222	831.06	79.5	160.03	44362939	10.0000 ng/ml
Noroxycodone	2.885	961582	258.57	29.3	371.78	10825314	10.0000 ng/ml
Nortriptyline	4.382	879241	1297136.30	87.9	202.33	5458197	10.0000 ng/ml
O-desmethyl-tramadol	2.904	8722712	990.83	5.7	330.64	44362939	10.0000 ng/ml
O-desmethylvenlafaxine	3.240	1709928	545.12	740.6	∞	9225134	10.0000 ng/ml
Olanzapine	3.682	1172808	4081.60	53.0	4092.21	151389	10.0000 ng/ml
Oxazepam	4.487	1228301	580.61	72.1	118.24	9513322	10.0000 ng/ml
Oxycodone	2.914	2384916	902.36	30.0	35258.53	10825314	10.0000 ng/ml

TS

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxymorphone	2.351	969586	74.52	48.4	257.89	157268	10.0000 ng/ml
Paroxetine	4.313	297602	393.11	51.1	86583.99	2054633	10.0000 ng/ml
Phenazepam	4.619	1776617	1399.02	62.8	728.25	15564730	10.0000 ng/ml
Phencyclidine	3.919	6593648	705.79	60.6	708.11	12647086	10.0000 ng/ml
Phentermine	3.139	1517169	156.92	6.5	25.62	20191444	10.0000 ng/ml
Phenytoin	4.105	359300	129790.20	79.6	106.04	151389	10.0000 ng/ml
Primidone	3.460	513655	269357.81	99.5	104.93	151389	10.0000 ng/ml
Promethazine	4.287	6811420	49962.48	30.8	403.26	44362939	10.0000 ng/ml
Pseudoephedrine	2.710	57442182	1087.61	34.6	59773.74	34168045	10.0000 ng/ml
Quetiapine	4.294	4537135	1000411.48	51.3	334283.30	35897683	10.0000 ng/ml
Risperidone	4.001	5309349	22305.69	14.1	606.55	31908785	10.0000 ng/ml
Sertraline	4.532	382650	133729.55	115.3	991.55	2054633	10.0000 ng/ml
Sufentanil	4.279	138538	99769.76	98.9	12874.45	33061393	10.0000 ng/ml
Tapentadol	3.429	5613853	958.08	35.3	1009.88	10825314	10.0000 ng/ml
Temazepam	4.656	3140240	564.48	27.2	241.47	15564730	10.0000 ng/ml
Topiramate	3.819	25753	19182.53	43.2	8975.20	120063	10.0000 ng/ml
Tramadol	3.425	17751808	∞	1.8	99.47	44362939	10.0000 ng/ml
Trazodone	4.249	6112345	789.45	61.8	604.47	23550073	10.0000 ng/ml
Venlafaxine	3.793	6751545	130961.33	27.4	398.40	9225134	10.0000 ng/ml
Xylazine	3.366	2352869	3630.53	46.4	15.81	10825314	10.0000 ng/ml
Zaleplon	4.332	1500764	537534.11	63.4	481.44	35897683	10.0000 ng/ml
Zolpidem	4.037	7322440	44518.54	26.8	1714.97	35897683	10.0000 ng/ml
Zopiclone	3.878	579199	181501.65	56.0	2564.15	2678954	10.0000 ng/ml

TS

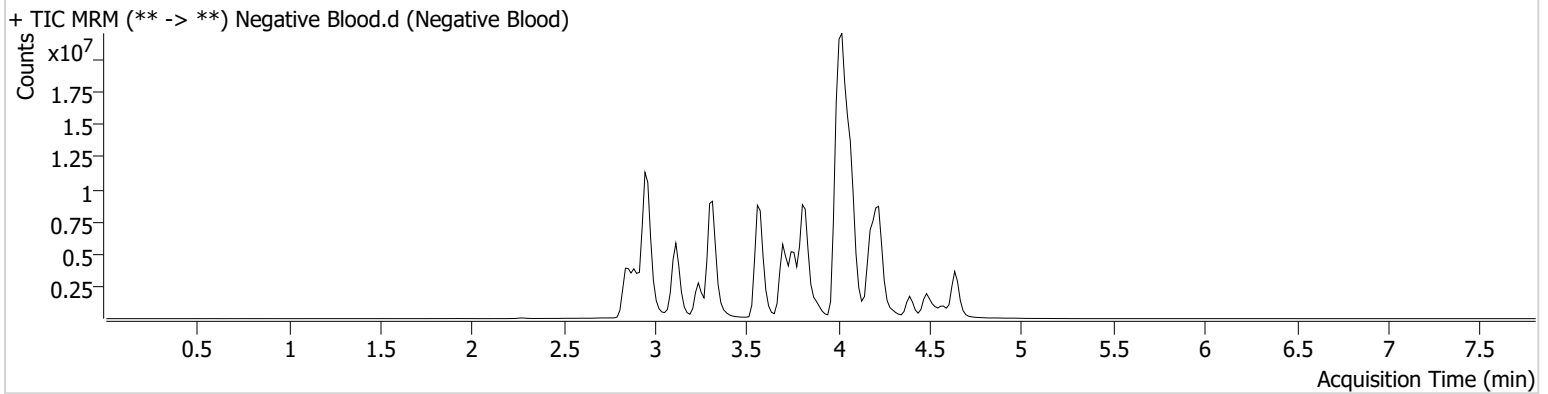


AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/10/2024 3:20:06 PM

Instrument	Falco (069901)	Data File	Negative Blood.d
Type	Sample	Sample	Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Tamara Salazar
Sample Position	P4-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	5		
Acq. Date-Time	1/9/2024 3:18:21 PM		
Sample Info.			

Sample Chromatogram



TS

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

Extraction Date: 01/08/2024

Plate lot#: 231212

Mobile phase A: 10mM Amm Form in LCMS Water

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Tamara Salazar

Plate Retest Date: 06/12/2024

Mobile phase B: 0.1% Formic acid in MeOH

Blank Urine Lot:

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: 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, pipette 1000µL blood or 1000µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: 42
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Add 500µL of 0.1% formic acid in water to blood samples, and 500µL of saturated phosphate buffer to urine samples in the wells of the analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer 700-800µL of blood+acid or urine+acid mixture to corresponding wells of SLE+ plate. Amount transferred: 750 µL
- 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*)
- 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.
- 17. Reconstitute in 100µL 100% MeOH and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make any necessary integration changes, R² values ≥0.98 for each analyte
- 3. RT +/- 2% or 0.100 min, whichever is greater
- 4. Confirmation testing on case samples with a response for THC and OH-THC of 3ng/mL or greater and/or Carboxy-THC at 10ng/mL or greater (analyst discretion between 5-10ng/mL) may be pursued.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Extraction performed on 01/08/2024, but the samples were not injected until 01/09/2024 due to the instrument being in use. The samples were kept in the freezer until the instrument was available.

Analytical Plate Map

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	M2023-5110-1	P2023-3648-1	P2023-3823-1	IS + QC_1
B	IS + Cal. 2	Neg Blood	M2023-5156-2	P2023-3649-1	P2023-3835-1	IS + Cal. 7
C	IS + Cal. 3	M2023-4981-1	M2023-5235-3	P2023-3701-1	P2023-3836-1	IS + Cal. 6
D	IS + Cal. 4	M2023-4982-1	M2023-5273-2	P2023-3713-1	P2023-3840-1	IS + Cal. 5
E	IS + Cal. 5	M2023-5033-1	P2023-3554-1	P2023-3759-1	P2023-3847-1	IS + Cal. 4
F	IS + Cal. 6	M2023-5072-1	P2023-3554-2	P2023-3776-1	P2023-3859-1	IS + Cal. 3
G	IS + Cal. 7	M2023-5072-2	P2023-3573-1	P2023-3800-1	P2023-3862-1	IS + Cal. 2
H	IS + QC_1	M2023-5108-1	P2023-3618-1	P2023-3801-1	IS + QC_1	IS + Cal. 1

All wells to contain 100 µl of residual DMSO

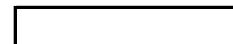


SLE Plate Map

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	M2023-5110-1	P2023-3648-1	P2023-3823-1*	P2023-3823-1
B	IS + Cal. 2	Neg Blood	M2023-5156-2	P2023-3649-1	P2023-3835-1	P2023-3840-1
C	IS + Cal. 3	M2023-4981-1	M2023-5235-3	P2023-3701-1	P2023-3836-1	P2023-3847-1
D	IS + Cal. 4	M2023-4982-1	M2023-5273-2	P2023-3713-1	P2023-3840-1*	
E	IS + Cal. 5	M2023-5033-1	P2023-3554-1	P2023-3759-1	P2023-3847-1*	
F	IS + Cal. 6	M2023-5072-1	P2023-3554-2	P2023-3776-1*	P2023-3859-1	
G	IS + Cal. 7	M2023-5072-2	P2023-3573-1	P2023-3800-1	P2023-3862-1	
H	IS + QC_1	M2023-5108-1	P2023-3618-1	P2023-3801-1	P2023-3776-1*	

*Sample moved during step 7 of the analysis due to clotting.



TS



AM #26 Cannabinoids Screen Results

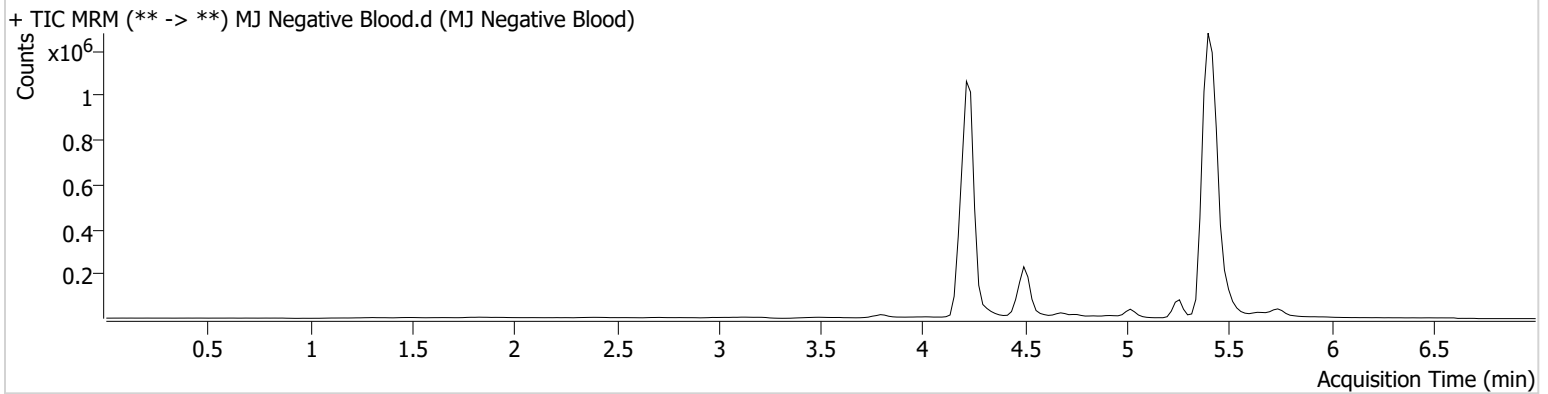
Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P3-B2
Injection Volume 10
Acq. Date-Time 1/9/2024 10:48:13 AM
Sample Info.

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

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Sample Chromatogram



TS

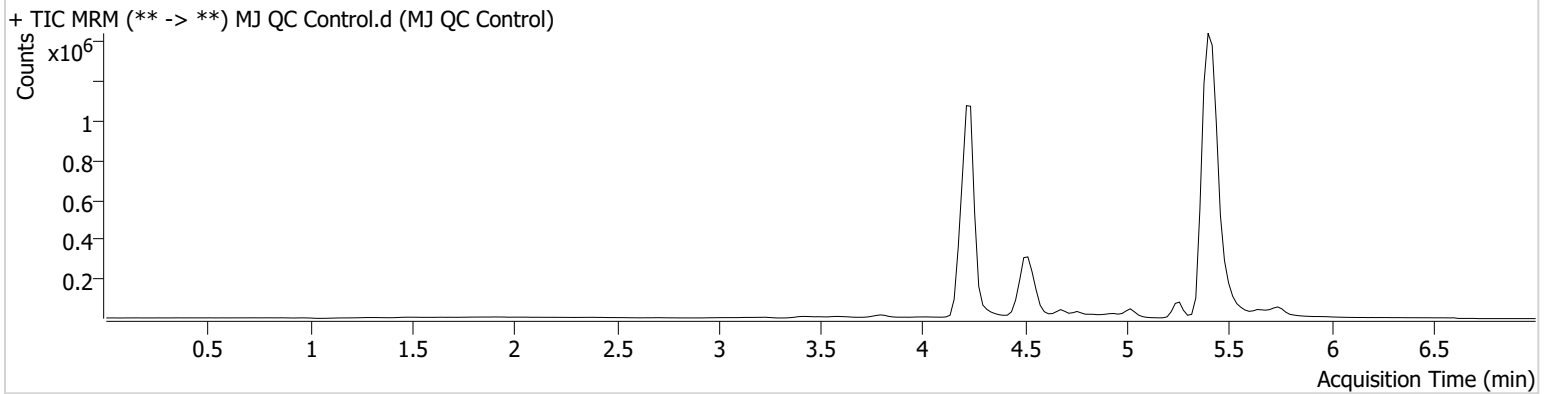


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/9/2024 2:43:44 PM

Instrument	Falco (069901)	Data File	MJ QC Control.d
Type	QC	Sample	MJ QC Control
Acq. Method	AM 26 THC.m	Operator	Tamara Salazar
Sample Position	P3-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	1/9/2024 10:33:02 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.369	5254	45.76	411.9 Low	∞	138154	5.8033 ng/ml
THC-COOH	4.536	215100	153.26	172.1	∞	1014431	14.8426 ng/ml
THC-OH	4.242	44589	∞	921.1	∞	4442189	4.8262 ng/ml

TS



AM #26 Cannabinoids Screen Results

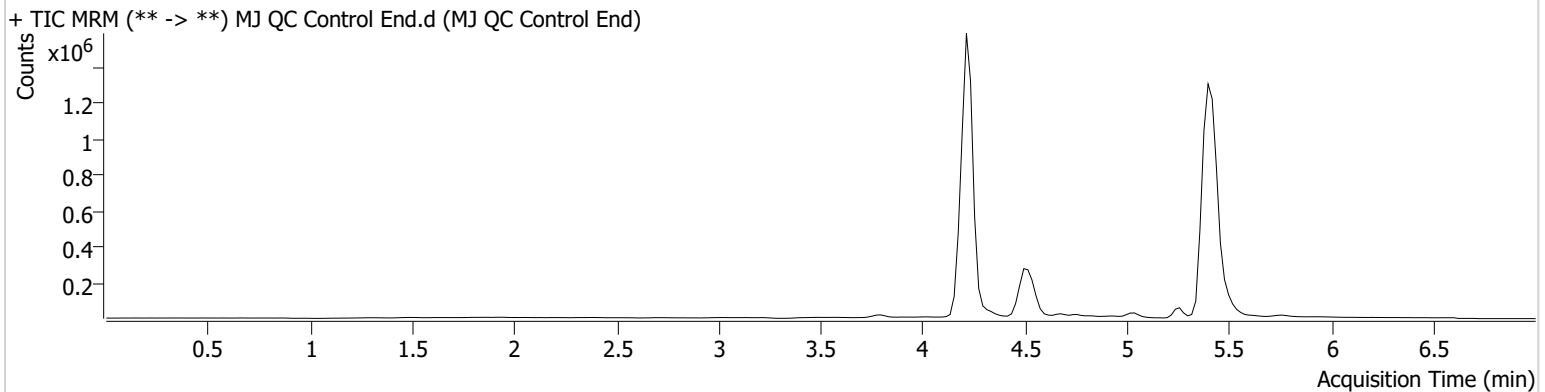
Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P3-H1
Injection Volume 10
Acq. Date-Time 1/9/2024 2:35:20 PM
Sample Info.

Data File MJ QC Control End.d
Sample MJ QC Control End
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



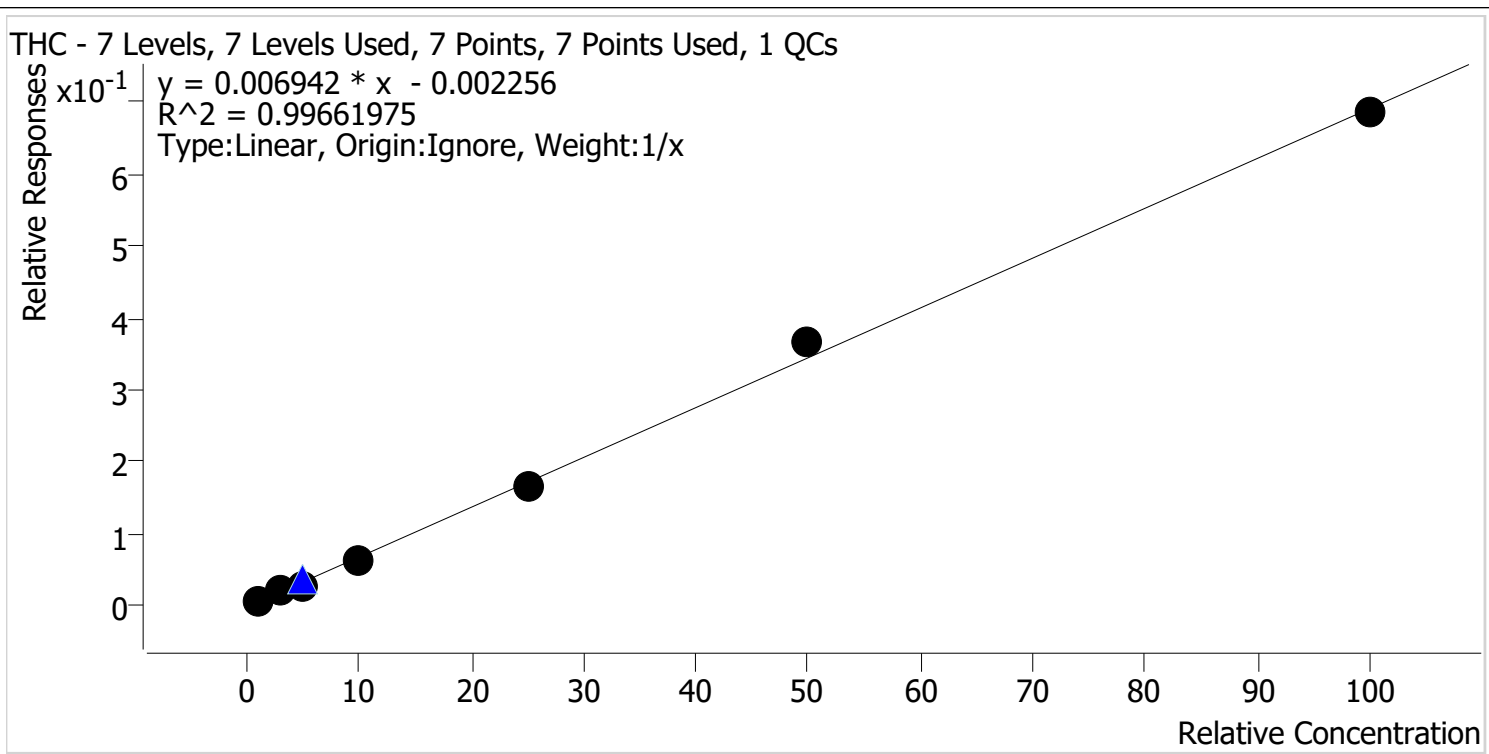
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.369	3906	∞	479.9	∞	169646	3.6413 ng/ml
THC-COOH	4.536	198751	∞	165.7	∞	909508	15.2745 ng/ml
THC-OH	4.242	58710	∞	863.1	∞	5882224	4.8001 ng/ml

TS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/9/2024 2:43 PM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3



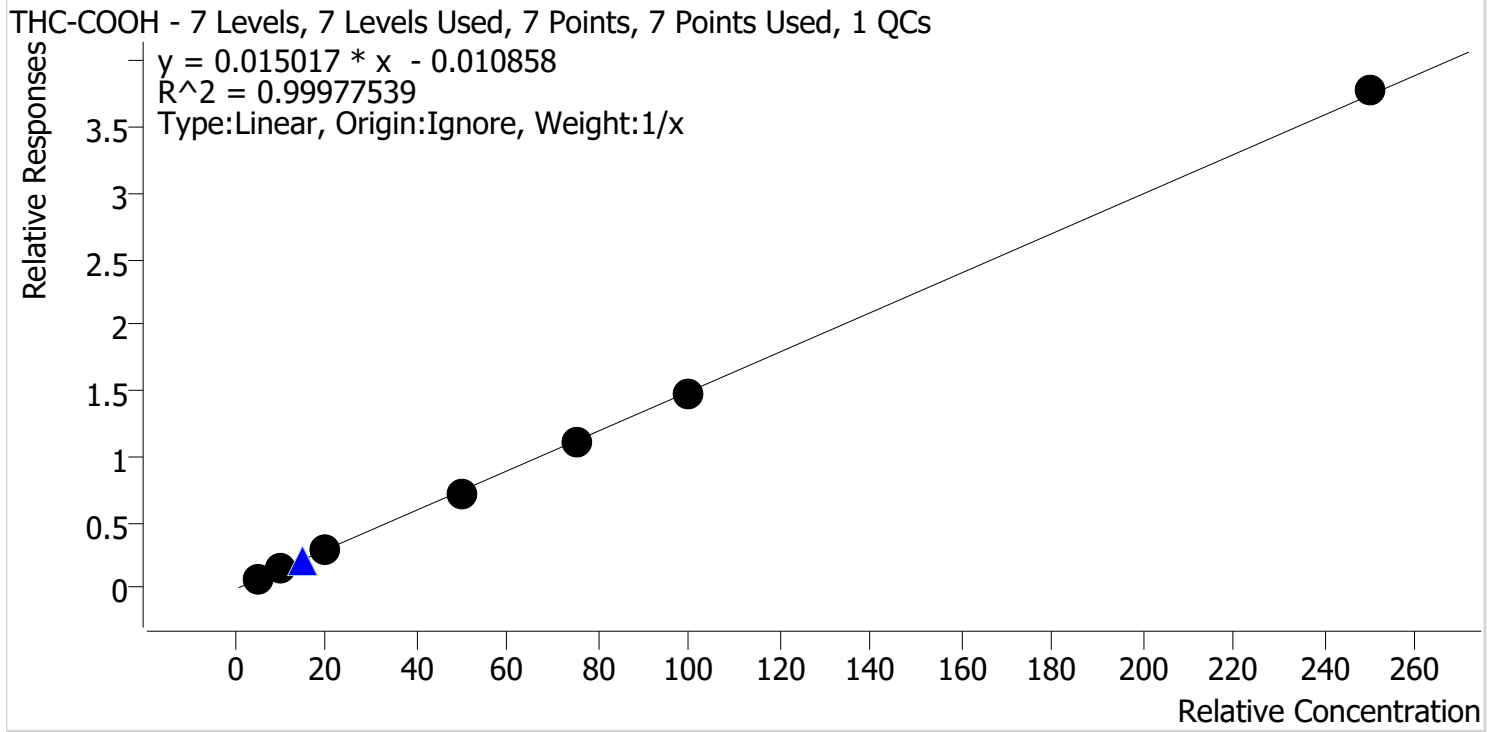
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.2	124.0
MJ Cal 2	2	✓	3.0	3.1	102.8
MJ Cal 3	3	✓	5.0	3.8	76.0
MJ Cal 4	4	✓	10.0	9.5	94.9
MJ Cal 5	5	✓	25.0	24.4	97.5
MJ Cal 6	6	✓	50.0	52.9	105.7
MJ Cal 7	7	✓	100.0	99.2	99.2

TS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/9/2024 2:43 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9



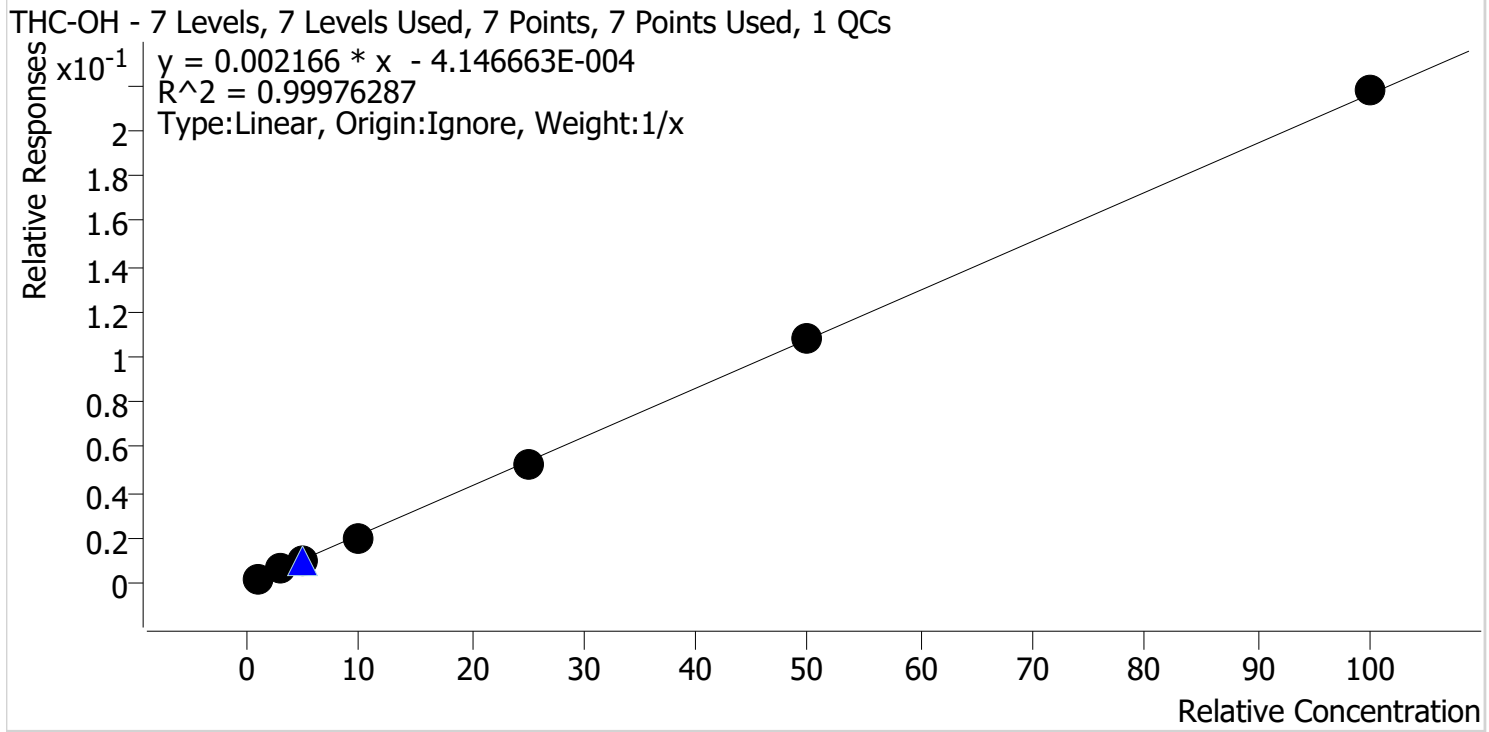
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.3	105.8
MJ Cal 2	2	✓	10.0	9.9	99.1
MJ Cal 3	3	✓	20.0	19.5	97.5
MJ Cal 4	4	✓	50.0	48.7	97.4
MJ Cal 5	5	✓	75.0	74.8	99.8
MJ Cal 6	6	✓	100.0	99.5	99.5
MJ Cal 7	7	✓	250.0	252.2	100.9

TS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update 1/9/2024 2:43 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	107.4
MJ Cal 2	2	✓	3.0	3.0	98.7
MJ Cal 3	3	✓	5.0	5.0	99.1
MJ Cal 4	4	✓	10.0	9.5	95.4
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

TS



AM #26 Cannabinoids Screen Results

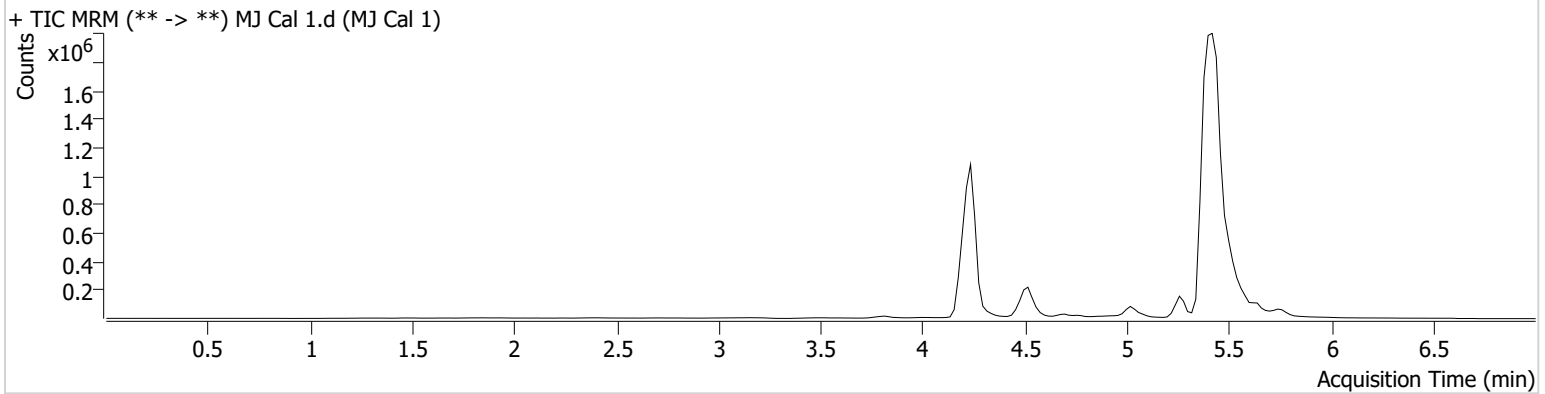
Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P3-A1
Injection Volume 10
Acq. Date-Time 1/9/2024 9:39:52 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.369	1143	6.38 Low	2638.5 High	∞	179961	1.2401 ng/ml
THC-COOH	4.536	57502	54.55	254.2 High	∞	838338	5.2904 ng/ml
THC-OH	4.242	8934	∞	1680.3 High	∞	4675380	1.0738 ng/ml

TS



AM #26 Cannabinoids Screen Results

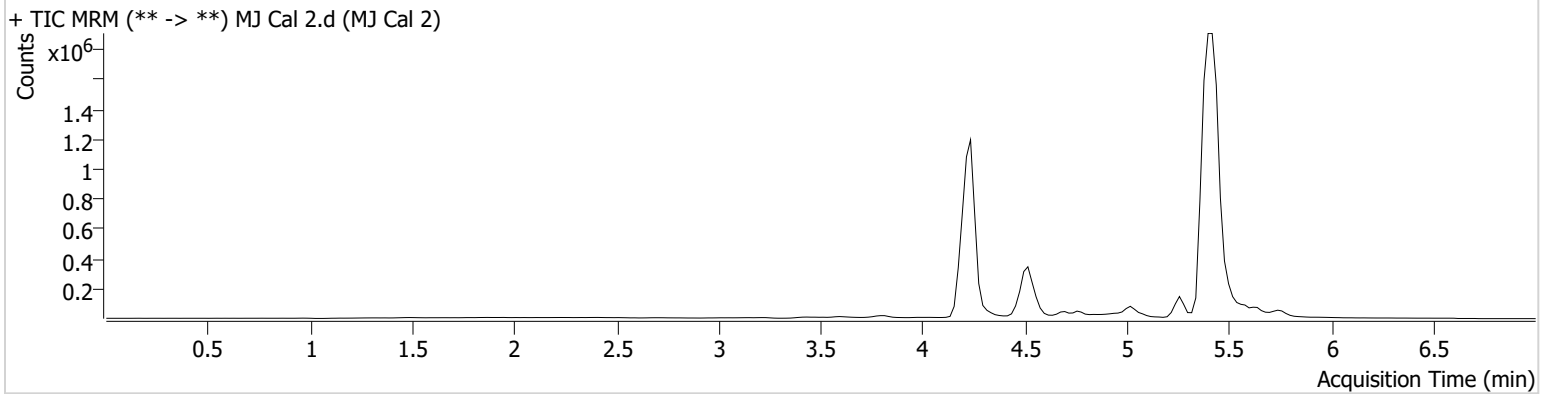
Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P3-B1
Injection Volume 10
Acq. Date-Time 1/9/2024 9:47:36 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.369	6435	∞	419.3 Low	∞	336091	3.0828 ng/ml
THC-COOH	4.536	161327	∞	205.0	∞	1169362	9.9097 ng/ml
THC-OH	4.242	29940	∞	954.9	∞	4990864	2.9614 ng/ml

TS



AM #26 Cannabinoids Screen Results

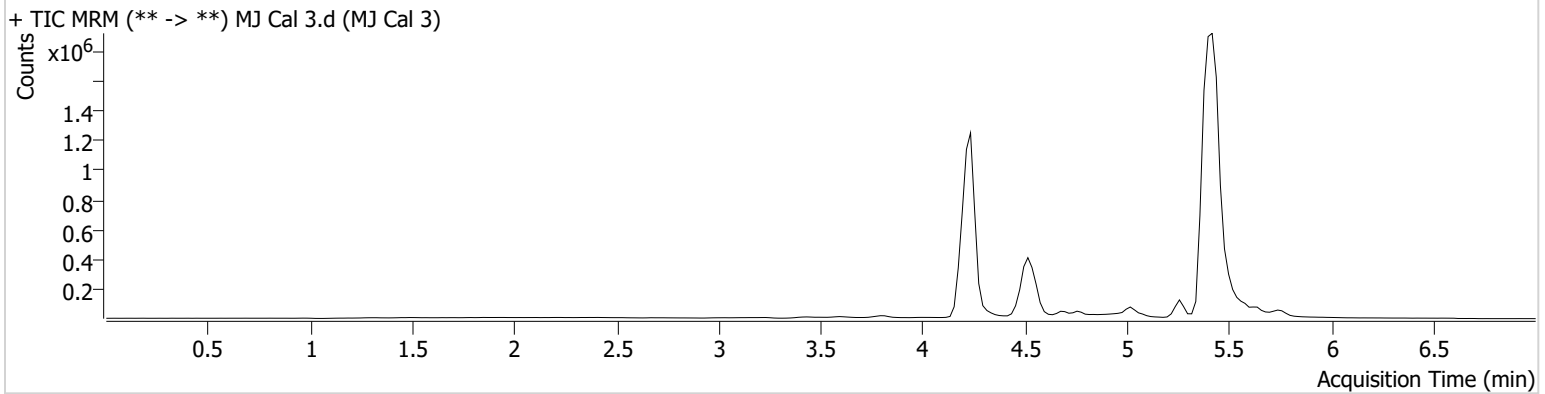
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Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P3-C1
Injection Volume 10
Acq. Date-Time 1/9/2024 9:55:10 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.369	7286	12.03	428.4 Low	∞	302150	3.7985 ng/ml
THC-COOH	4.536	325527	288.85	170.1	∞	1154569	19.4976 ng/ml
THC-OH	4.242	51668	∞	851.5	∞	5009765	4.9536 ng/ml

TS



AM #26 Cannabinoids Screen Results

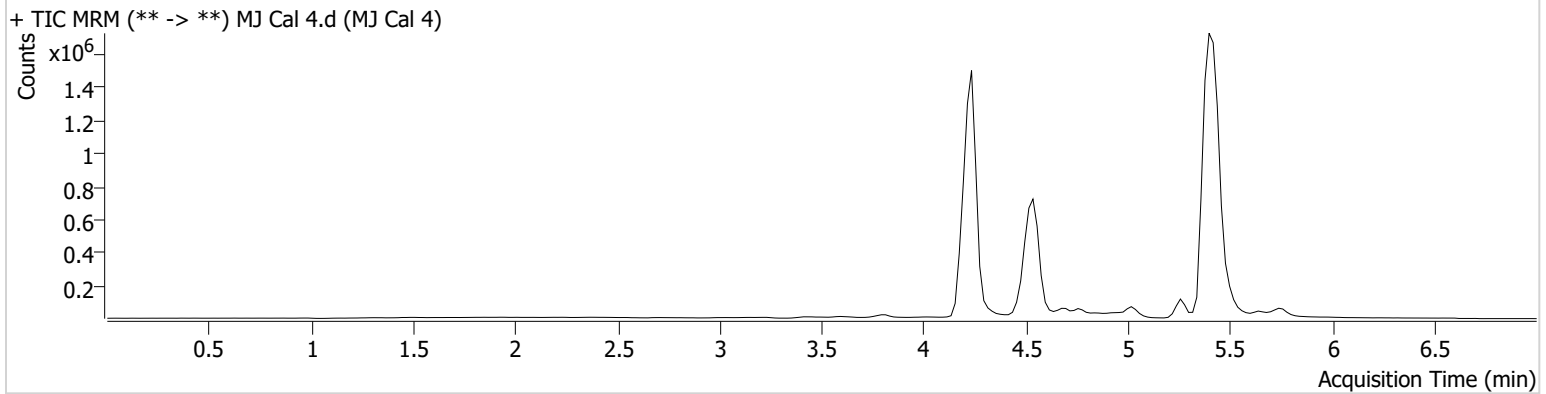
Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P3-D1
Injection Volume 10
Acq. Date-Time 1/9/2024 10:02:44 AM
Sample Info.

Data File MJ Cal 4.d
Sample MJ Cal 4
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	20331	66.64	138.4 Low	∞	319642	9.4871 ng/ml
THC-COOH	4.536	890299	∞	168.9	∞	1235565	48.7045 ng/ml
THC-OH	4.242	111957	∞	820.5	∞	5530523	9.5386 ng/ml

TS



AM #26 Cannabinoids Screen Results

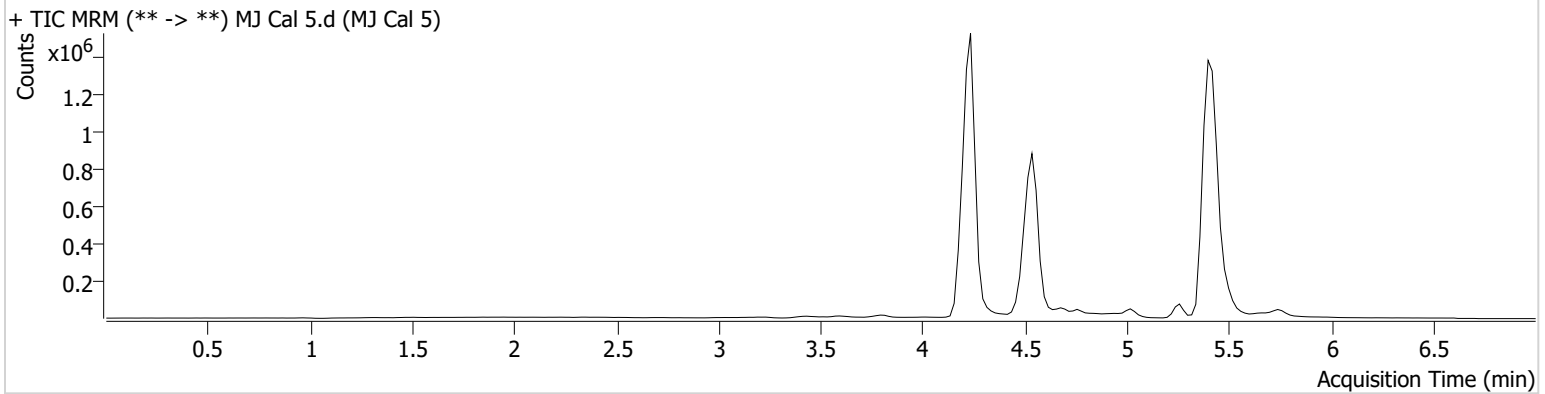
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Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P3-E1
Injection Volume 10
Acq. Date-Time 1/9/2024 10:10:18 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	32184	106.71	80.2 Low	∞	192712	24.3820 ng/ml
THC-COOH	4.536	1174571	433.09	166.9	∞	1055183	74.8463 ng/ml
THC-OH	4.242	236291	484.32	781.1	∞	4467095	24.6155 ng/ml

TS



AM #26 Cannabinoids Screen Results

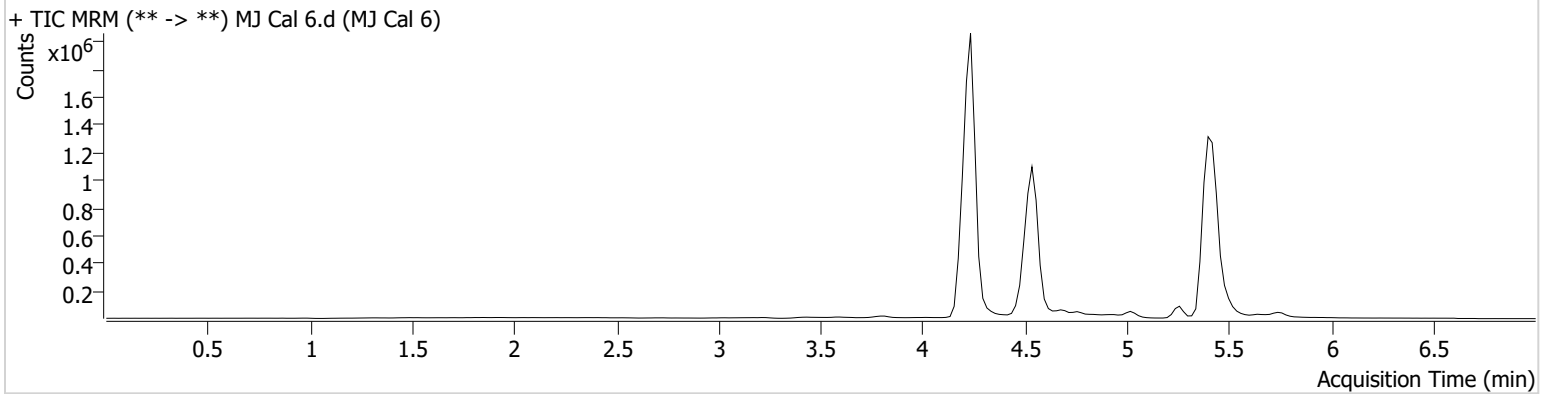
Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P3-F1
Injection Volume 10
Acq. Date-Time 1/9/2024 10:17:54 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	75187	∞	47.4 Low	∞	206179	52.8553 ng/ml
THC-COOH	4.536	1506788	∞	166.6	∞	1015745	99.5034 ng/ml
THC-OH	4.242	484544	1529.42	762.3	∞	4480112	50.1305 ng/ml

TS



AM #26 Cannabinoids Screen Results

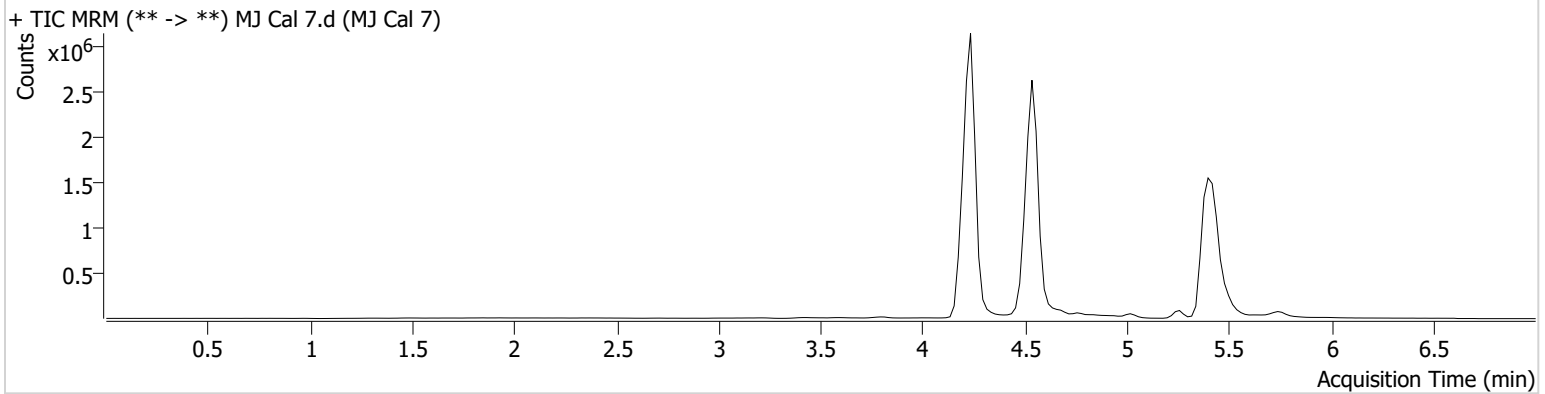
Batch results D:\MassHunter\Data\2024\AM 25 26\010924 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 1/9/2024 2:43:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P3-G1
Injection Volume 10
Acq. Date-Time 1/9/2024 10:25:28 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.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.369	65350	∞	66.3 Low	∞	95251	99.1543 ng/ml
THC-COOH	4.536	3878989	∞	168.4	∞	1026928	252.2482 ng/ml
THC-OH	4.242	1001521	2028.28	769.1	∞	4599790	100.7266 ng/ml