





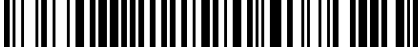


Worklist: 6215

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-4665	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2022-4709	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2022-4740	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-5034	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2022-5416	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-3604	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-3611	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2022-3614	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-3810	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2022-3838	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2022-3917	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2023-0028	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2023-0040	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0057	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0059	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0060	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0064	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0065	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0066	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0068	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0069	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6215

SC

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-0070	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0071	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0078	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0089	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0090	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0099	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0110	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

SC

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

Extraction Date: 01/20/2023
Plate lot#: IDP-120-2-220805

Analyst: Sarah Collins
Retest Date: 02/05/2023

Mobile phase A: 10mM Amm Form
Instant Buffer I

Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol

Blank Blood Lot: Lampire 22B52015-2

Blank Urine Lot: POC021022

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. 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 and urine** (if applicable) into 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: 300 uL
- 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. If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying.
- 16. 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:

SC

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1								p2022-3838-1	p2023-0090-1	p2023-0069-1	p2023-0040-2
B	IS + Cal. 1								p2022-3810-1	p2023-0110-2	p2023-0068-1	p2022-3614-1
C									p2022-3611-2	p2023-0099-1	p2023-0066-1	p2022-3604-1
D									m2022-5034-3	p2023-0090-1*	p2023-0065-1	m2022-5416-2
E									m2022-4709-3	p2023-0089-1	p2023-0064-1	m2022-4740-1
F									m2022-4665-2	p2023-0078-1	p2023-0060-1	negative blood
G								p2023-0028-1	external control urine	p2023-0071-1	p2023-0059-1	IS + Cal. 1
H								p2022-3917-1	negative urine	p2023-0070-1	p2023-0057-1	IS + Cal. 1

*Sample moved during analytical step 6 due to blood clot

SC

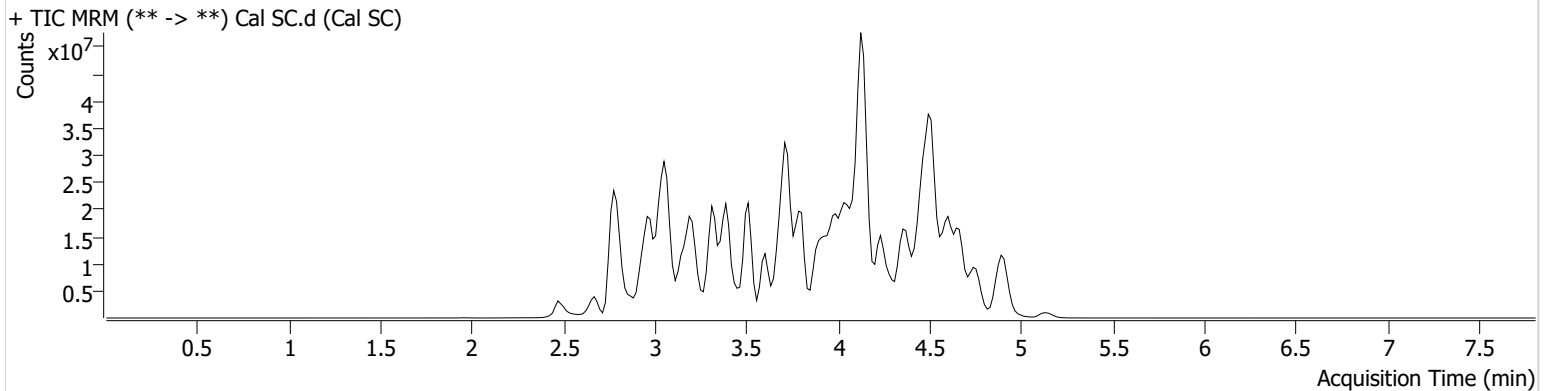
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 1/23/2023 12:36:29 PM

Instrument	Falco (069901)	Data File	Cal SC.d
Type	Cal	Sample	Cal SC
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-G12	Comment	
Injection Volume	5		
Acq. Date-Time	1/21/2023 12:54:24 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.793	8494103	70.26	4693.24	38213591	10.0000
6-MAM	3.094	142746	765.96	3177.92	3337087	10.0000
7-aminoclonazepam	3.605	1534575	2217.37	496.95	8418579	10.0000
7-aminoflunitrazepam	3.805	3292956	1003.81	2487.48	8418579	10.0000
9-Hydroxyrisperidone	4.059	15825793	7978955.30	769414.83	53723567	10.0000
Acetyl Fentanyl	4.156	732893	166.38	108228.41	46328442	10.0000
Acetyl Norfentanyl	2.965	923861	423.45	286.18	46328442	10.0000
a-hydroxyalprazolam	4.525	604136	182.49	470.46	8418579	10.0000
alpha-hydroxymidazolam	4.601	4292033	∞	300.28	8418579	10.0000
Alpha-PHP	3.994	7014284	3641.22	2228.49	46328442	10.0000
alpha-PVP	3.718	10587818	508.19	537.92	26608539	10.0000
Alprazolam	4.620	5651685	756.40	206.40	29922003	10.0000
Amitriptyline	4.547	1700120	369.77	158.41	7331138	10.0000
Amphetamine	2.969	9276128	698.01	1616.92	26608539	10.0000
Benzoyllecgonine	3.405	505491	2566.98	131.76	713520	10.0000
Brompheniramine	4.126	217403	175.42	2136.49	61522091	10.0000
Buprenorphine	5.146	739129	21805.49	48251.62	3405463	10.0000
Bupropion	3.979	9256192	618.76	641.97	36054226	10.0000
Carbamazepine	4.242	16888027	29414.99	∞	395407	10.0000
Carisoprodol	4.240	3864999	1119.14	∞	15705322	10.0000
Chlordiazepoxide	4.745	2387972	199.39	2045.09	29922003	10.0000
Chlorpheniramine	4.038	16833936	9342.23	10.10	61522091	10.0000
Chlorpromazine	4.772	1256118	5347.59	701.32	5511479	10.0000
Citalopram	4.140	5511383	555.24	466.73	61522091	10.0000
Clomipramine	4.758	1866801	5201.02	6012.77	61522091	10.0000
Clonazepam	4.450	1867757	862.04	3199.13	29922003	10.0000
Clonazolam	4.369	3255064	2795.43	3881.31	29922003	10.0000
Clozapine	4.601	9253123	3091.29	1267.13	33242431	10.0000
Cocaehtylene	3.910	10963628	509168.09	2400.41	48286889	10.0000
Cocaine	3.711	13131069	87961.77	534.40	48286889	10.0000
Codeine	3.037	738000	288.66	3304.74	17632458	10.0000
Cyclobenzaprine	4.455	4176437	169.87	49.43	7331138	10.0000
Desipramine	4.440	5651486	127847.46	26221.06	7331138	10.0000
Dextromethorphan	4.162	3978439	258.85	264.39	18404868	10.0000

Cal SC

SC

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextrophan	3.454	6493862	710.12	486.39	18404868	10.0000
Diazepam	4.853	1744004	793.47	953.80	29922003	10.0000
Dihydrocodeine	2.868	2693656	489.21	517.14	17632458	10.0000
Diphenhydramine	4.117	18986570	2876.31	2846.03	61522091	10.0000
DMT	3.059	1327828	3370.88	384.81	18404868	10.0000
Doxepin	4.269	3442739	2835.96	35.00	35569513	10.0000
Doxylamine	3.729	24931938	9442.87	38714.64	18404868	10.0000
Duloxetine	4.391	40411	2081.82	2002.60	592277	10.0000
EDDP	4.146	4776570	545.46	194.08	7742053	10.0000
Estazolam	4.529	8548345	1416.98	738.68	29922003	10.0000
Etizolam	4.631	584573	249804.73	67114.07	29922003	10.0000
Fentanyl	4.370	570627	210.03	713.61	30329723	10.0000
Flualprazolam	4.478	2013990	47745.62	5005.28	29922003	10.0000
Flunitrazepam	4.558	4308527	1106.87	1774269.68	29922003	10.0000
Fluorofentanyl	4.415	759375	231.32	315.44	30329723	10.0000
Fluoxetine	4.390	2165894	350.06	102.56	2142942	10.0000
Flurazepam	4.429	9415944	1356479.19	8920.55	29922003	10.0000
Hydrocodone	3.235	3960822	3994.27	2322.71	17632458	10.0000
Hydromorphone	2.657	2757182	1840.78	11689.28	736074	10.0000
Hydroxyzine	4.706	5956825	2414.35	1018.33	61522091	10.0000
Imipramine	4.500	7516883	∞	463.44	7331138	10.0000
Ketamine	3.918	8657916	707.99	121.81	27217981	10.0000
Lamotrigine	3.669	687404	783.98	50288.61	61522091	10.0000
Levamisole	3.181	5925594	445.05	105.57	48286889	10.0000
Levetiracetam	2.677	2694016	832.82	1489.96	61522091	10.0000
Lorazepam	4.449	765870	268.49	72.10	29922003	10.0000
Maprotiline	4.547	1167601	79.43	114.18	7331138	10.0000
MDA	3.074	7248251	352.30	7.08	43252453	10.0000
MDEA	3.304	11434851	327.86	∞	43252453	10.0000
MDMA	3.150	15461665	72436.19	417.84	43252453	10.0000
Meperidine	3.731	6390205	299.84	583.80	18404868	10.0000
Meprobamate	3.704	2416519	19588.88	75.19	15705322	10.0000
Methadone	4.451	15116702	32479.63	12350.49	7742053	10.0000
Methamphetamine	3.076	18702394	3244.74	1916.69	43252453	10.0000
Methocarbamol	3.609	778101	72.60	122.37	7742053	10.0000
Methylphenidate	3.610	21625403	14619.27	467.65	33362251	10.0000
Metoprolol	3.499	2005192	279.51	331.49	18404868	10.0000
Midazolam	4.771	1516758	4310.03	1078.84	29922003	10.0000
Mirtazapine	4.379	7228270	2739.02	1486.08	18404868	10.0000
Mitragynine	4.413	1130314	154179.46	625.04	18404868	10.0000
Morphine	2.475	662243	627.90	378.05	736074	10.0000
Norbuprenorphine	3.905	220362	223660.75	212480.56	3405463	10.0000
Nordiazepam	4.701	1993859	812.41	263.33	29922003	10.0000
Norfentanyl	3.395	17752320	63879.54	546.90	46328442	10.0000
Norhydrocodone	2.992	235603	97.80	57.63	736074	10.0000
Norketamine	3.995	1922893	425.04	4310.01	27217981	10.0000
Normeperidine	3.672	6975226	1481.87	294.44	61522091	10.0000
Noroxycodone	2.944	3669269	1125.81	115.52	27217981	10.0000
Nortriptyline	4.471	1301272	395.18	270.91	7331138	10.0000
O-desmethyl-tramadol	2.979	19951491	69311.90	541.69	61522091	10.0000
O-desmethylvenlafaxine	3.330	4677121	525.92	134467.93	20296579	10.0000
Olanzapine	4.050	1634224	926458.24	2475.77	395407	10.0000
Oxazepam	4.530	4057856	1128.66	277.34	16642891	10.0000
Oxycodone	3.065	7144577	1345.71	2766.19	27217981	10.0000
Oxymorphone	2.472	6180726	∞	9320.58	736074	10.0000
Paroxetine	4.401	293995	164.56	290.74	2142942	10.0000
Phenazepam	4.646	3140675	20638.95	588.26	29922003	10.0000
Phencyclidine	3.994	12348302	281565.00	594.86	18404868	10.0000
Phentermine	3.229	3521483	583.76	72.41	33362251	10.0000
Phenytoin	4.149	694009	271.09	179.04	395407	10.0000

SC

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Primidone	3.503	2373013	16788.08	94.95	395407	10.0000
Promethazine	4.499	8307472	4972.11	1992.25	61522091	10.0000
Pseudoephedrine	2.784	72578577	868.47	875.87	43252453	10.0000
Quetiapine	4.736	9022012	5249.40	31562.25	54780764	10.0000
Risperidone	4.290	17588379	2219.15	703.68	53723567	10.0000
Sertraline	4.636	556794	224557.58	506.58	2142942	10.0000
Sufentanil	4.797	443377	1820.16	232.75	46328442	10.0000
Tapentadol	3.519	13258502	988.57	744.47	27217981	10.0000
Temazepam	4.668	6999499	995.74	178.75	29922003	10.0000
Topiramate	3.877	239676	104.90	71990.41	1024084	10.0000
Tramadol	3.515	36281776	1148.24	44.51	61522091	10.0000
Trazodone	4.920	9502348	32607.98	812.60	35569513	10.0000
Venlafaxine	3.883	17371989	14977.16	642.34	2142942	10.0000
Zaleplon	4.344	4394573	437.05	1111.88	54780764	10.0000
Zolpidem	4.497	23310449	11484.08	758.29	54780764	10.0000
Zopiclone	4.444	1557069	1953.42	215220.99	6507941	10.0000

SC

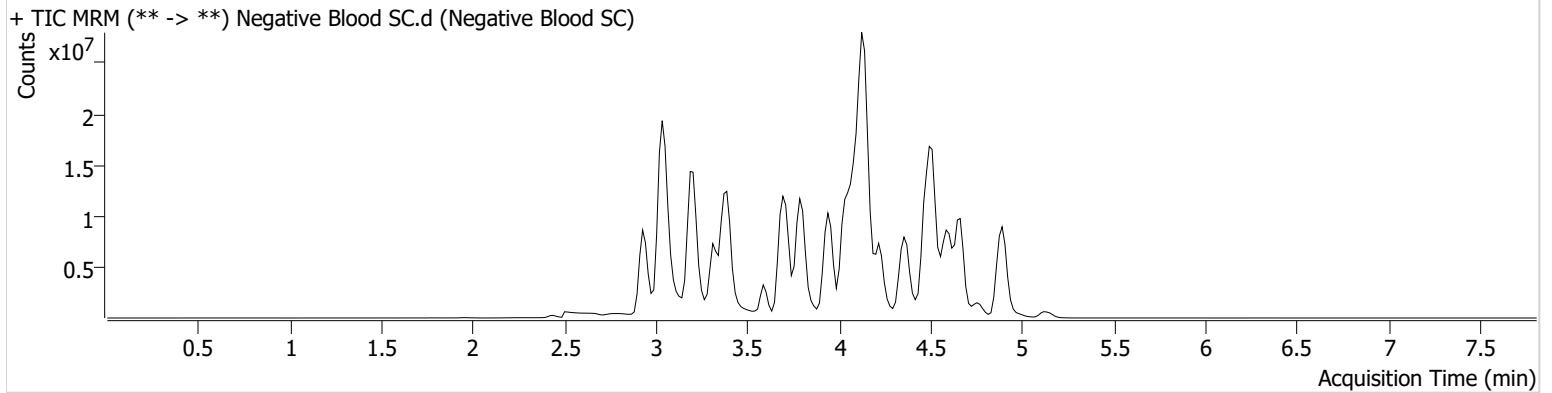


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 1/23/2023 12:36:29 PM

Instrument	Falco (069901)	Data File	Negative Blood SC.d
Type	Sample	Sample	Negative Blood SC
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-F12	Comment	
Injection Volume	5		
Acq. Date-Time	1/21/2023 1:03:00 AM		
Sample Info.			

Sample Chromatogram



SC

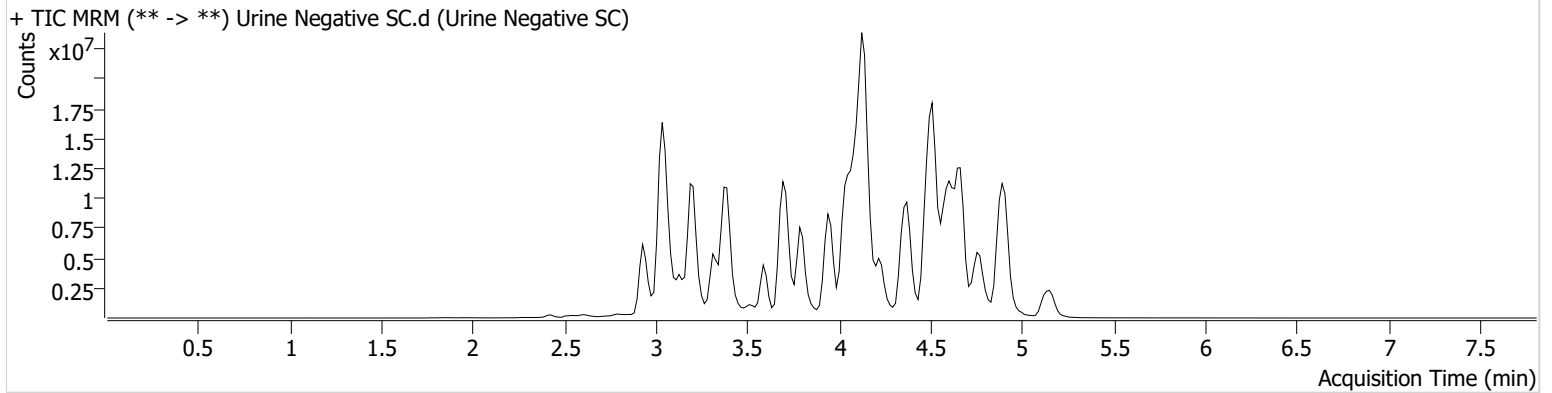


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 1/23/2023 12:36:29 PM

Instrument	Falco (069901)	Data File	Urine Negative SC.d
Type	Sample	Sample	Urine Negative SC
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-H9	Comment	
Injection Volume	5		
Acq. Date-Time	1/21/2023 4:08:33 AM		
Sample Info.			

Sample Chromatogram



SC



Idaho State Police Forensic Services

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

Methanol External Control Solution (Lot: 042222)

100 μ L of 1mg/mL stock was added to each drug to 9700 μ L of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	215245	N/A
Tramadol	Cerilliant	FE10051901	N/A- Qualitative
Hydrocodone	Cerilliant	FE04241902	N/A- Qualitative
Alprazolam	Cerilliant	FE06102008	N/A- Qualitative
Buprenorphine	Cerilliant	FE03191903	N/A- Qualitative
Prepared:	04/22/2022		
Prepared By:	Celena Shrum		

Urine External Control Solution (Lot: WS042222)

*200 μ L of methanol external control solution was added to 9800 μ L of blood.
Approximately 200 ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Urine	Pocatello Lab	POC021022
Methanol External Control Solution		042222
Prepared:	04/22/2022	
Prepared by:	Celena Shrum	

SC

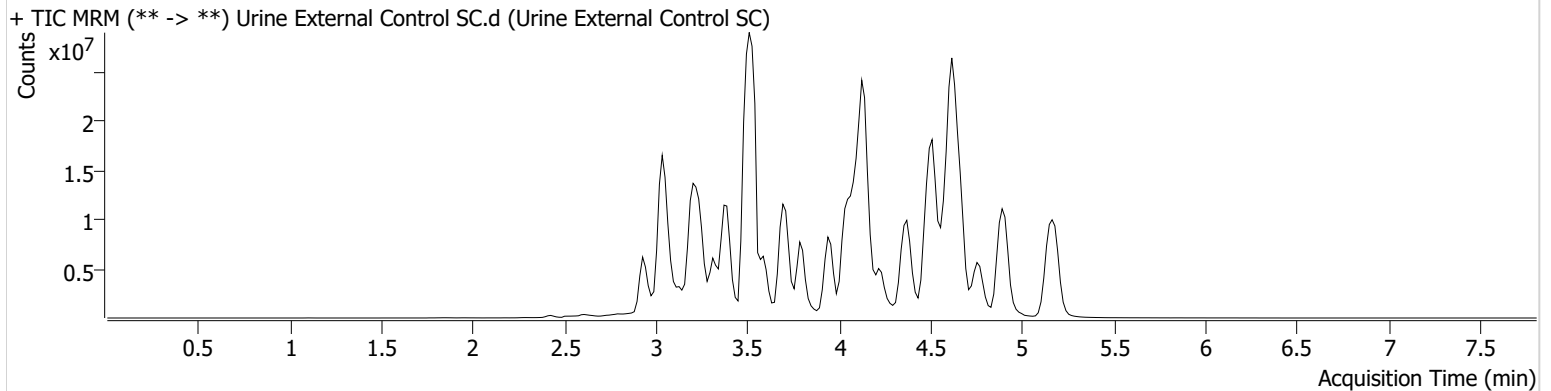


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 1/23/2023 12:36:29 PM

Instrument	Falco (069901)	Data File	Urine External Control SC.d
Type	Sample	Sample	Urine External Control SC
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-G9	Comment	
Injection Volume	5		
Acq. Date-Time	1/21/2023 5:32:59 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.620	32659349	∞	892.85	29582986	58.4492
Buprenorphine	5.161	33052741	28951.41	822792.21	8517074	178.8023
Hydrocodone	3.235	23378988	113700.24	2918.13	8986842	115.8100
Tramadol	3.515	121186373	∞	295.11	58388476	35.1940

SC

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

Extraction Date: 01/20/2023

Plate lot#: IDP-108-3-220802

10mM Amm Form 1/27/2023 SC

Mobile phase A: ~~0.1% Formic Acid in LCMS Water~~

Blank Blood Lot: Lampire 22B52015-2

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

LCMS-QQQ ID: 069901

Analyst: Sarah Collins

Retest Date: 02/02/2023

0.1% Formic Acid in MeOH 1/27/2023 SC

Mobile phase B: ~~0.1% Formic acid in Acetonitrile~~

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: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
Using a calibrated pipette, add **1000µl blood and urine (if applicable) (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID: #27**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **500µL 0.1% formic acid in water blood sample, 500 µL saturated phosphate buffer in urine** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate.
Amount transferred: 800 uL
- 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 **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.
- 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make any necessary integration changes, Curve weighting of Linear 1/x with r^2 values ≥ 0.98 for each analyte
- 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less).
- 4. Case sample response for THC and OH-THC 3ng/mL (quantitative), Carboxy-THC: 10ng/mL (qualitative only) will be reported. Samples with a THC or OH-THC response over 50 ng/mL will be reported out as greater than 50 ng/mL.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Enter QCs into control charting.
- 7. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: The instrument pressured out due to a clog during calibrator 4. The clog was fixed, calibrator was reinserted, and the run continued with no further issues.

SC

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_2 urine	p2023-0057-1*	p2023-0070-1	m2022-4709-3	p2023-0057-1
B	IS + Cal. 2	negative blood	p2023-0059-1	p2023-0071-1	m2022-5034-3	p2023-0065-1
C	IS + Cal. 3	negative urine	p2023-0060-1	p2023-0078-1	p2022-3611-2	p2023-0068-1
D	IS + Cal. 4	m2022-4740-1	p2023-0064-1	p2023-0089-1	p2022-3810-1	p2023-0090-1
E	IS + Cal. 5	m2022-5416-2*	p2023-0065-1*	p2023-0090-1*	p2022-3838-1	
F	IS + Cal. 6	p2022-3604-1	p2023-0066-1	p2023-0099-1	p2022-3917-1	
G	IS + Cal. 7	p2022-3614-1	p2023-0068-1*	p2023-0110-2	p2023-0028-1	
H	IS + QC_1 blood	p2023-0040-2	p2023-0069-1	m2022-4665-2	m2022-5416-2	

All wells to contain 100 µl of residual DMSO

*Samples moved during analytical step 6 due to blood clot

SC

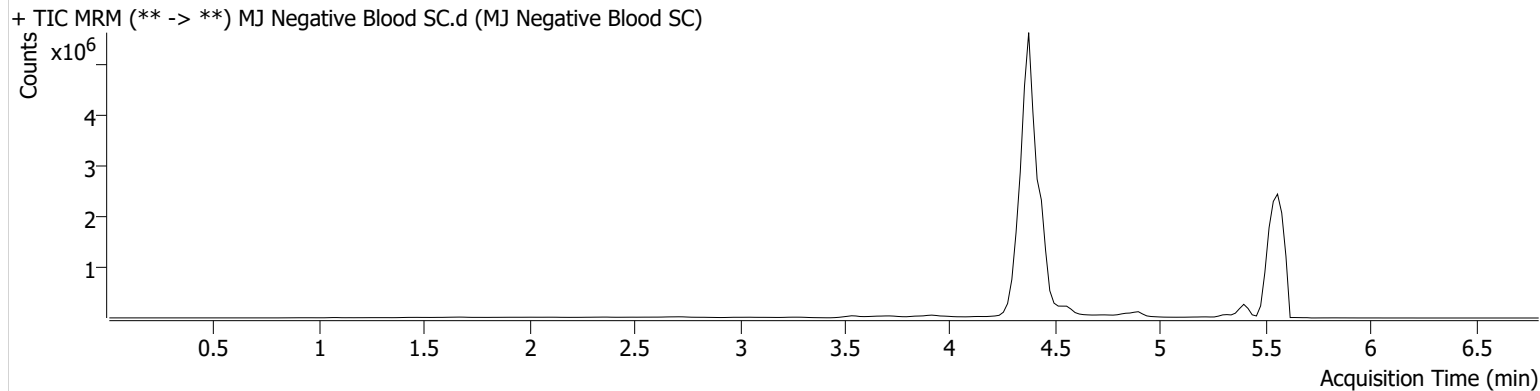


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Negative Blood SC.d
Type	Sample	Sample	MJ Negative Blood SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-B2	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 8:08:12 PM		
Sample Info.			

Sample Chromatogram



SC

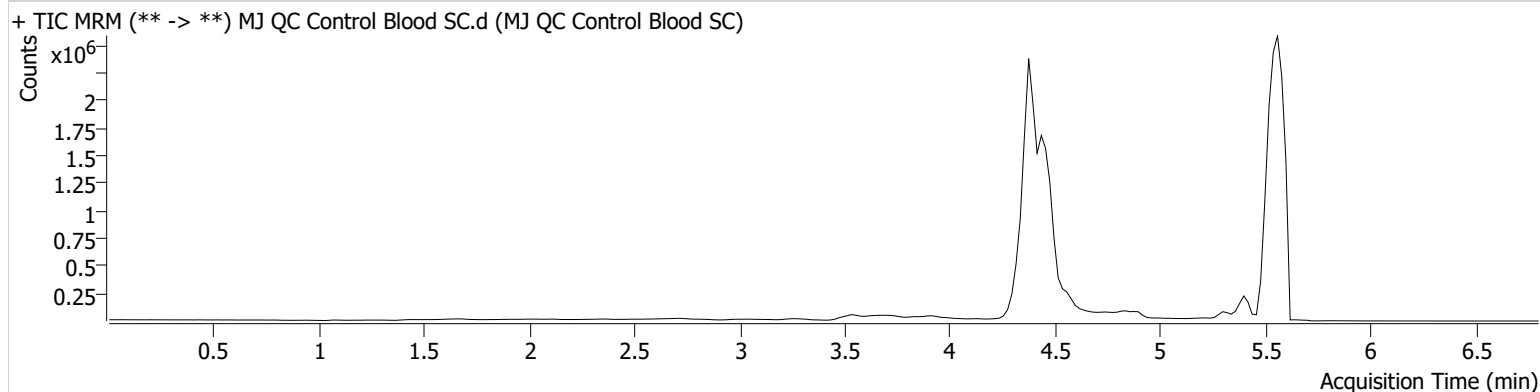


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ QC Control Blood SC.d
Type	QC	Sample	MJ QC Control Blood SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 7:53:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.510	7587	238423	4.6739 ng/ml
THC-COOH	4.476	1381259	4834823	16.0599 ng/ml
THC-OH	4.382	82157	8434069	4.6519 ng/ml

SC

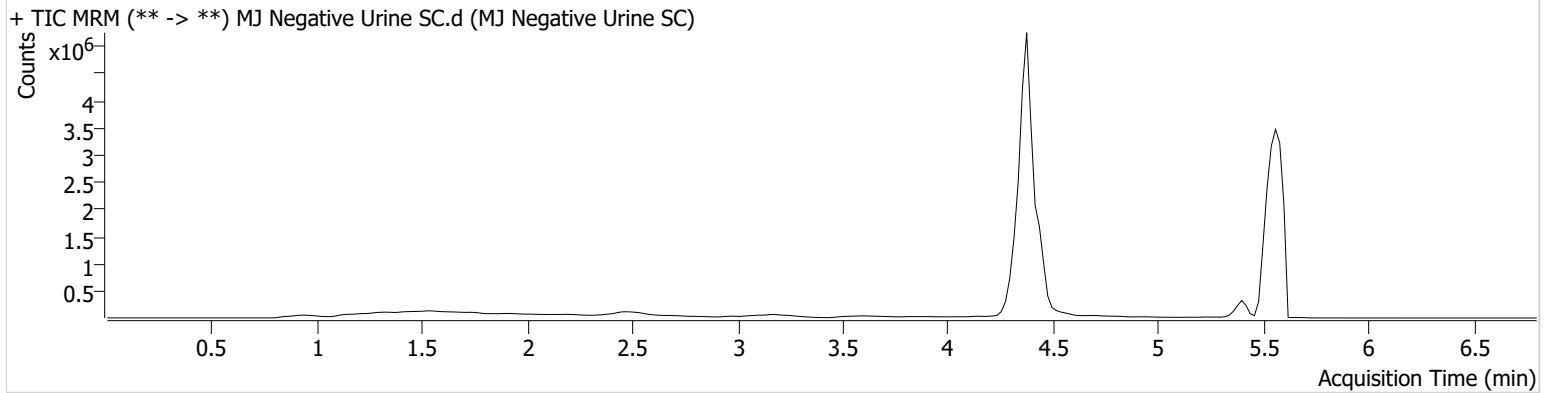


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Negative Urine SC.d
Type	Sample	Sample	MJ Negative Urine SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-C2	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 8:23:22 PM		
Sample Info.			

Sample Chromatogram



SC

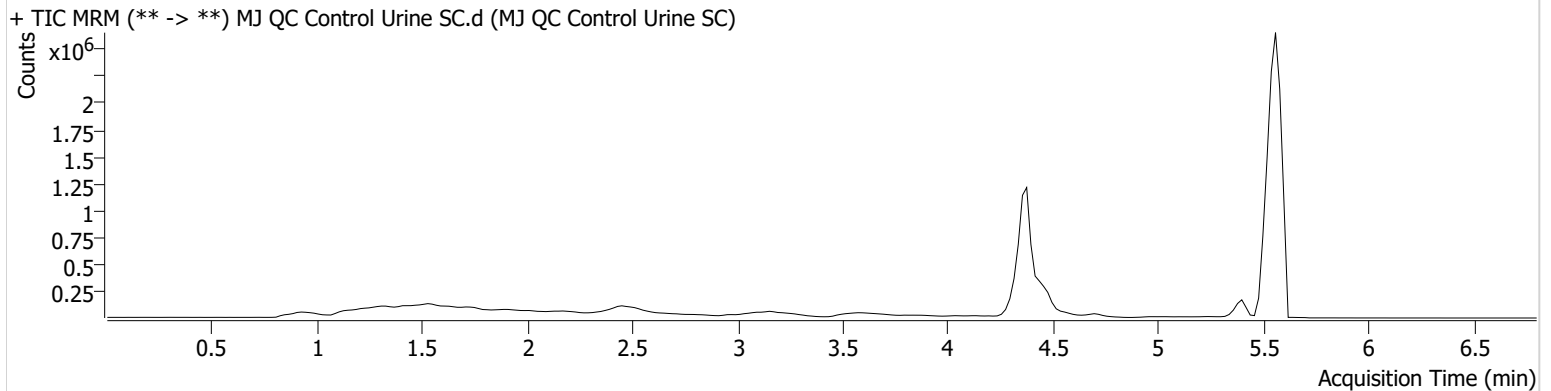


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ QC Control Urine SC.d
Type	QC	Sample	MJ QC Control Urine SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-A2	Comment	
Injection Volume	10		
Acq. Date-Time	1/21/2023 12:02:50 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.530	1122	31293	5.2643 ng/ml
THC-COOH	4.476	248121	976037	14.4470 ng/ml
THC-OH	4.382	45629	4428484	4.9129 ng/ml

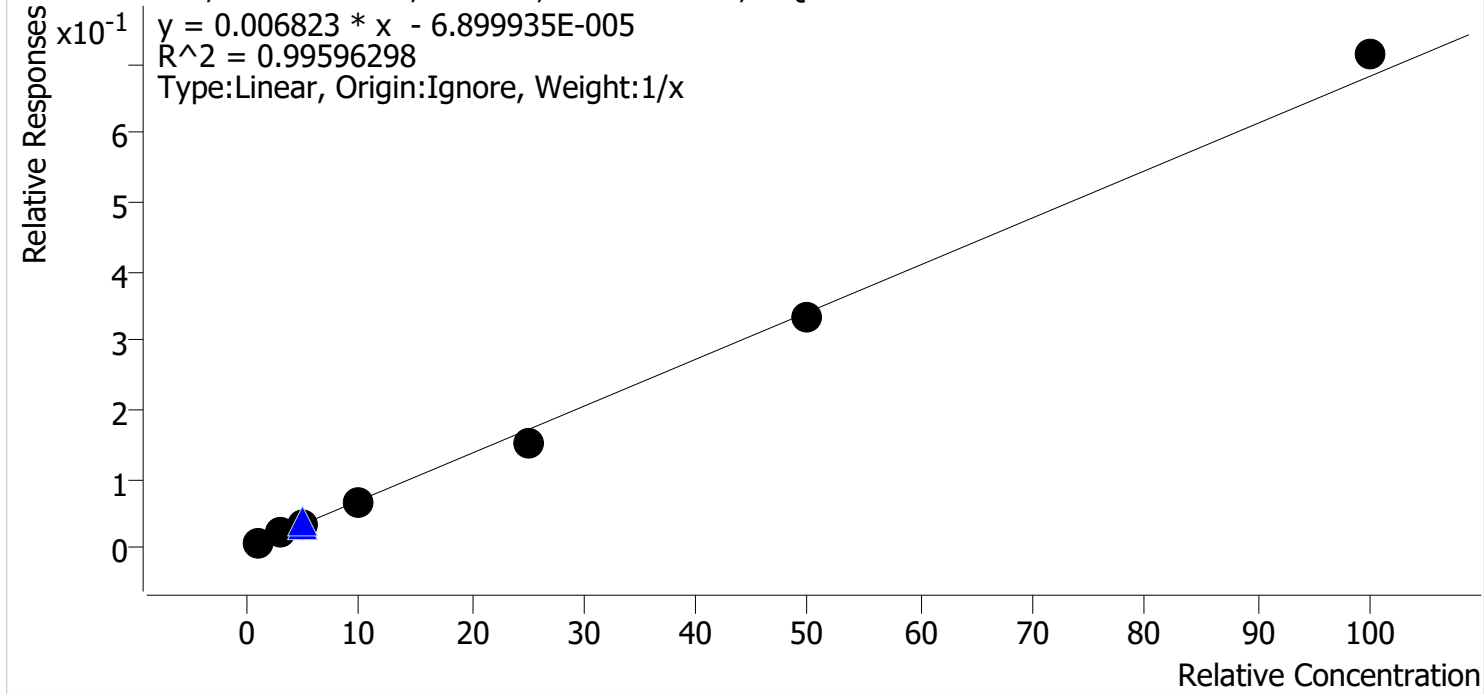
SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 1/25/2023 11:14 AM
Analyst Name ISP\Datastor
Analyte THC **Internal Standard** THC-D3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 2 QCs



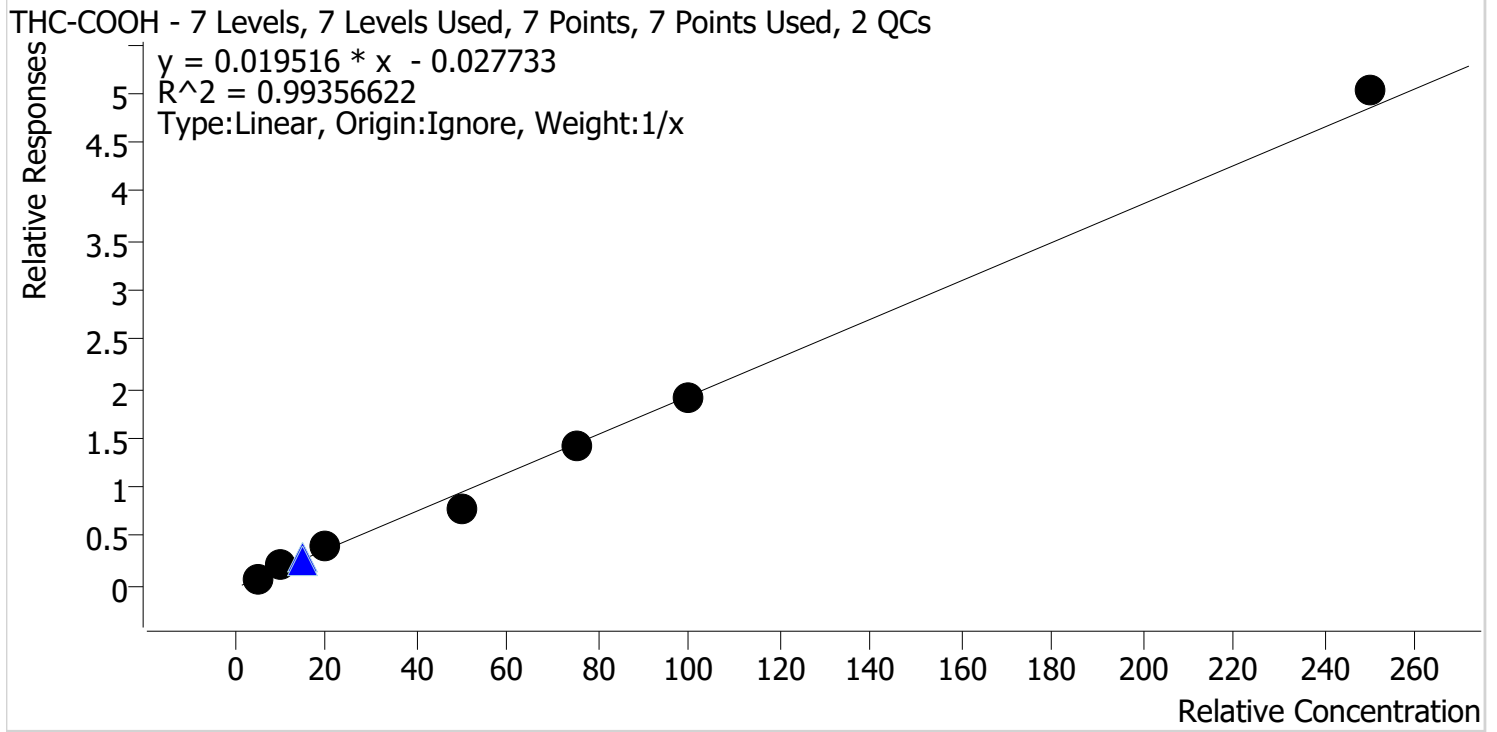
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1 SC	1	✓	1.0	1.1	106.2
MJ Cal 2 SC	2	✓	3.0	3.3	110.9
MJ Cal 3 SC	3	✓	5.0	5.0	99.5
MJ Cal 4 SC	4	✓	10.0	9.3	93.2
MJ Cal 5 SC	5	✓	25.0	22.1	88.4
MJ Cal 6 SC	6	✓	50.0	48.6	97.3
MJ Cal 7 SC	7	✓	100.0	104.6	104.6

SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 1/25/2023 11:14 AM
Analyst Name ISP\Datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9



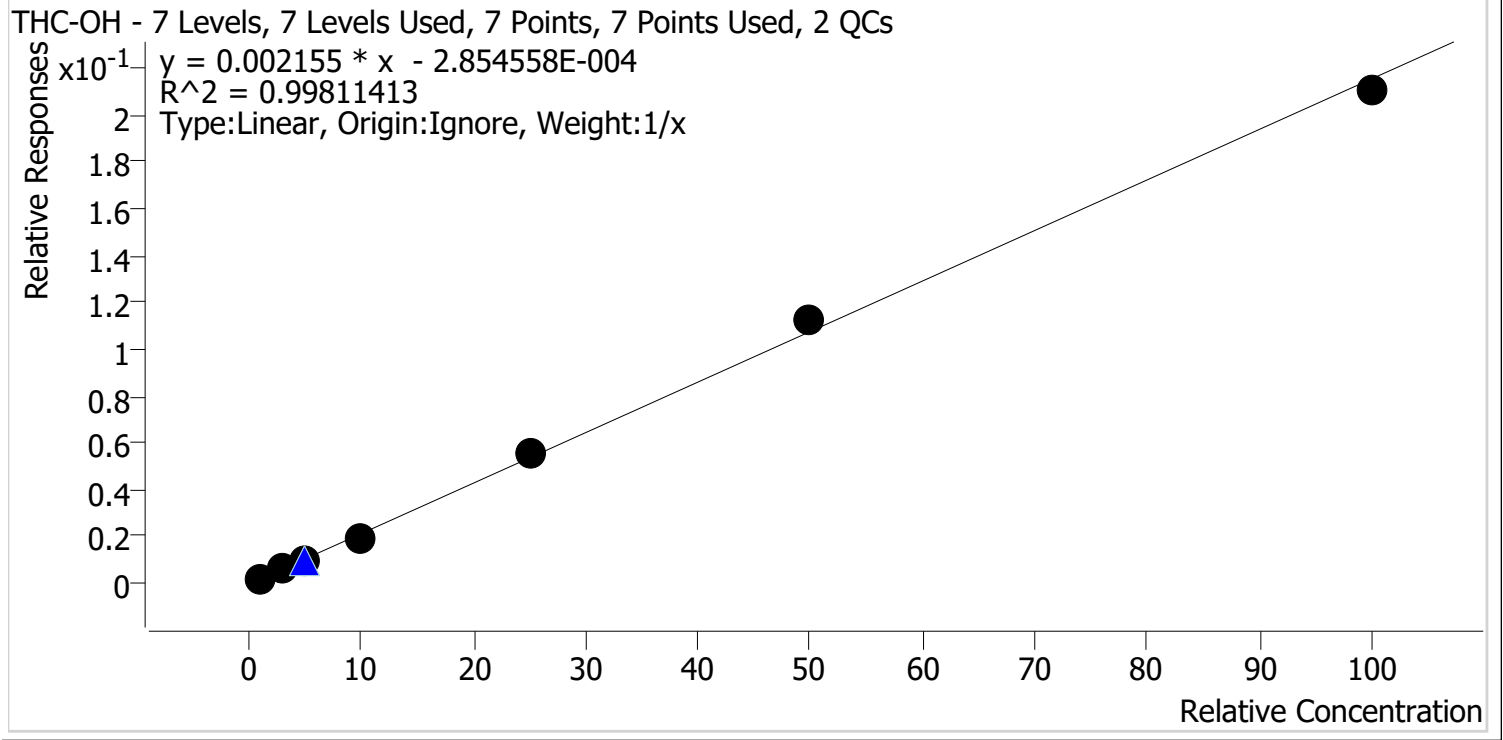
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1 SC	1	✓	5.0	4.8	96.4
MJ Cal 2 SC	2	✓	10.0	11.5	115.3
MJ Cal 3 SC	3	✓	20.0	21.2	106.0
MJ Cal 4 SC	4	✓	50.0	40.4	80.8
MJ Cal 5 SC	5	✓	75.0	74.6	99.5
MJ Cal 6 SC	6	✓	100.0	98.5	98.5
MJ Cal 7 SC	7	✓	250.0	259.0	103.6

SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 1/25/2023 11:14 AM
Analyst Name ISP\Datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1 SC	1	✓	1.0	1.1	109.4
MJ Cal 2 SC	2	✓	3.0	2.9	96.7
MJ Cal 3 SC	3	✓	5.0	4.8	96.0
MJ Cal 4 SC	4	✓	10.0	9.1	91.2
MJ Cal 5 SC	5	✓	25.0	26.1	104.3
MJ Cal 6 SC	6	✓	50.0	52.4	104.8
MJ Cal 7 SC	7	✓	100.0	97.6	97.6

SC

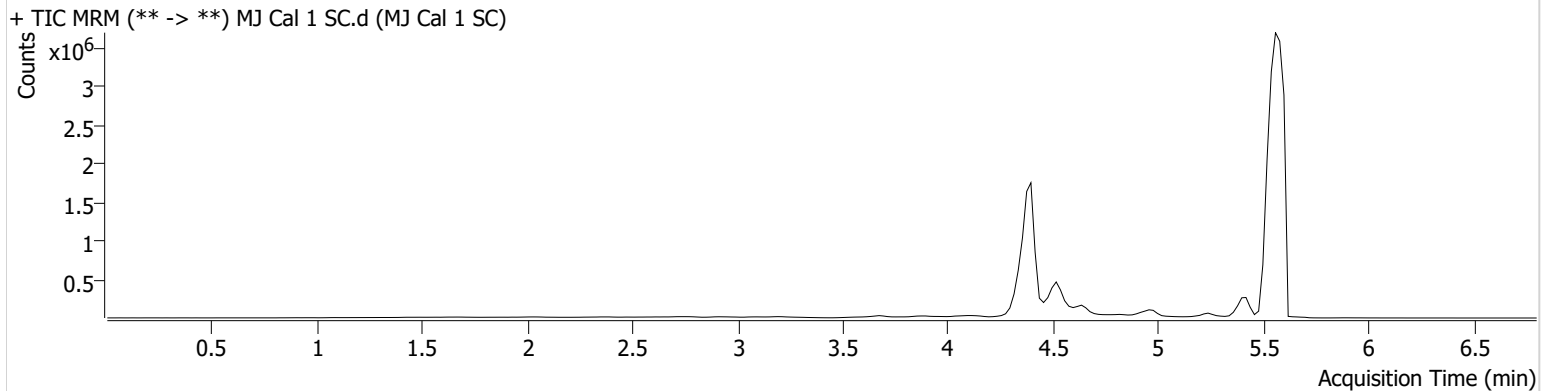


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Cal 1 SC.d
Type	Cal	Sample	MJ Cal 1 SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 4:29:55 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.610	3250	452961	1.0619 ng/ml	Low
THC-COOH	4.536	118035	1778828	4.8211 ng/ml	Low
THC-OH	4.402	15971	7704271	1.0942 ng/ml	Low

SC

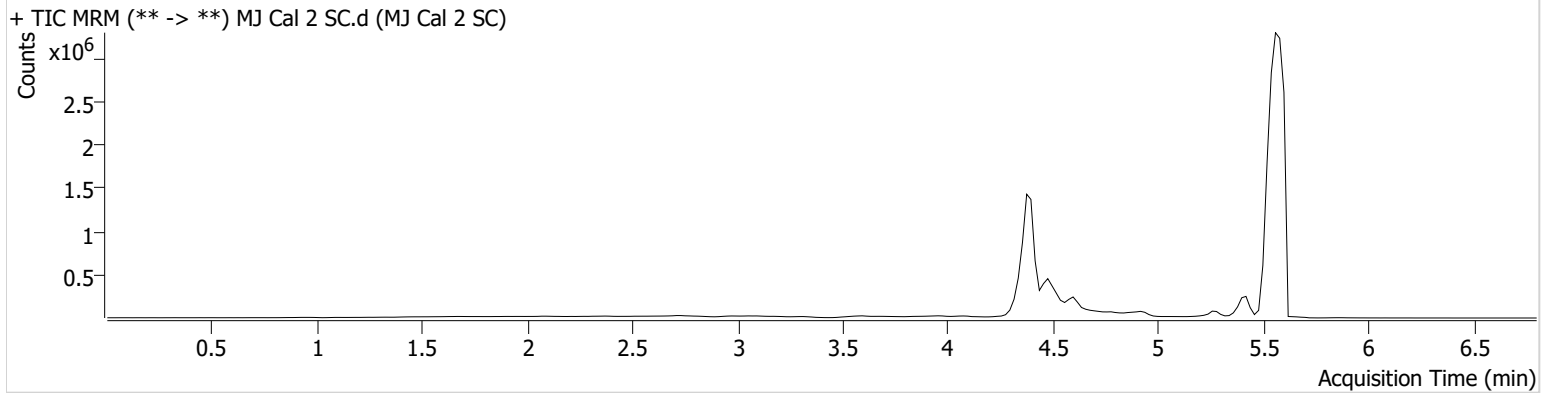


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Cal 2 SC.d
Type	Cal	Sample	MJ Cal 2 SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-B1	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 4:37:39 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.530	11505	508525	3.3260	ng/ml
THC-COOH	4.516	253506	1285481	11.5260	ng/ml
THC-OH	4.402	33377	5592754	2.9013	ng/ml Low

SC

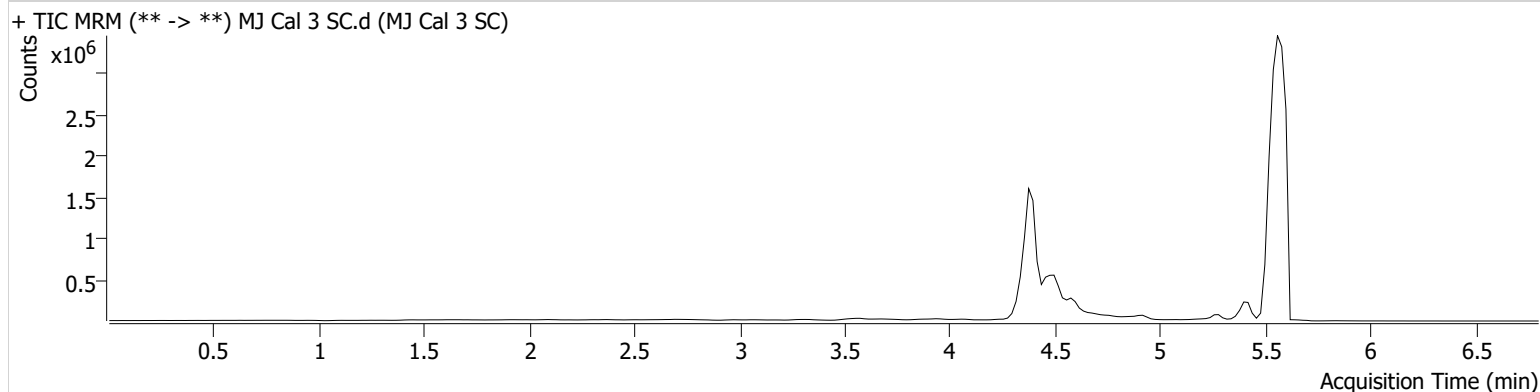
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Cal 3 SC.d
Type	Cal	Sample	MJ Cal 3 SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 4:45:13 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.530	14961	441696	4.9745 ng/ml
THC-COOH	4.496	542000	1404281	21.1979 ng/ml
THC-OH	4.402	59516	5918711	4.7979 ng/ml

SC

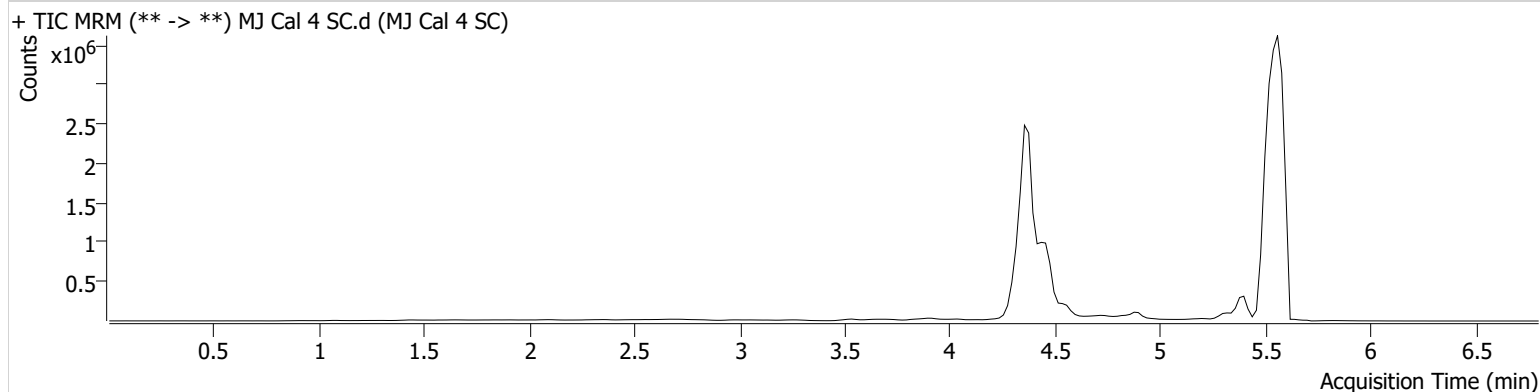
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Cal 4 SC.d
Type	Cal	Sample	MJ Cal 4 SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-D1	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 7:22:36 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.510	28342	446107	9.3216 ng/ml
THC-COOH	4.456	1212712	1594411	40.3945 ng/ml
THC-OH	4.382	175998	9082229	9.1232 ng/ml

SC



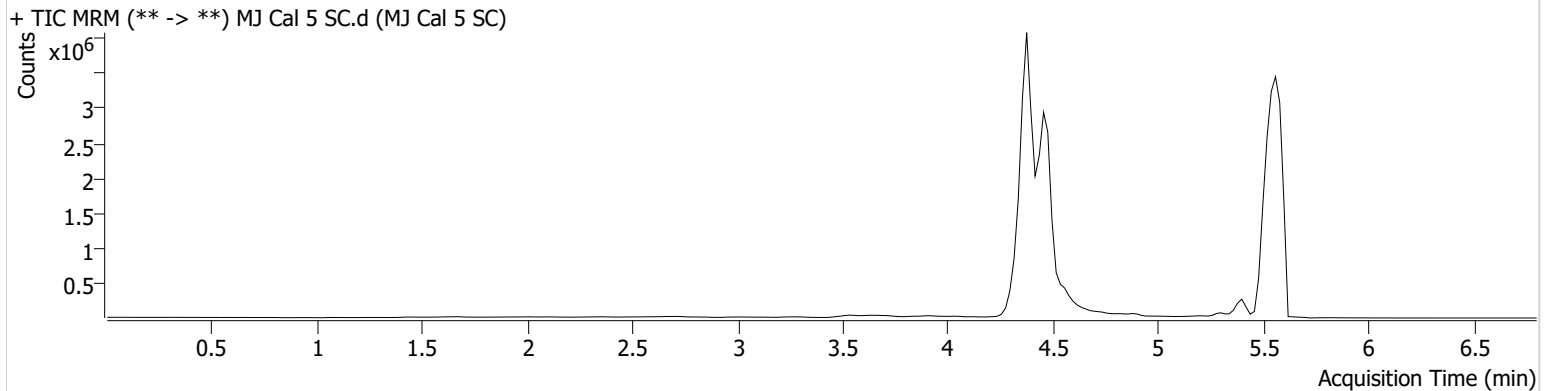
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Cal 5 SC.d
Type	Cal	Sample	MJ Cal 5 SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 7:30:20 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.509	78475	520840	22.0930 ng/ml
THC-COOH	4.456	4022977	2816933	74.5994 ng/ml
THC-OH	4.382	605066	10821625	26.0737 ng/ml

SC

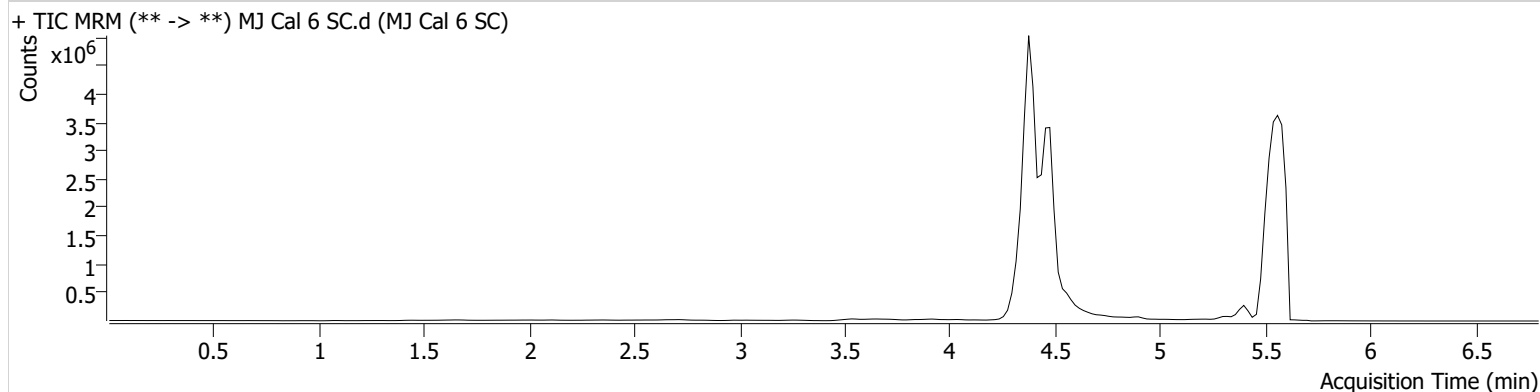
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Cal 6 SC.d
Type	Cal	Sample	MJ Cal 6 SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-F1	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 7:37:53 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.510	107556	324131	48.6448 ng/ml
THC-COOH	4.476	4998467	2638756	98.4830 ng/ml
THC-OH	4.382	1174440	10429849	52.3761 ng/ml

SC

AM #26 Cannabinoids Screen Results



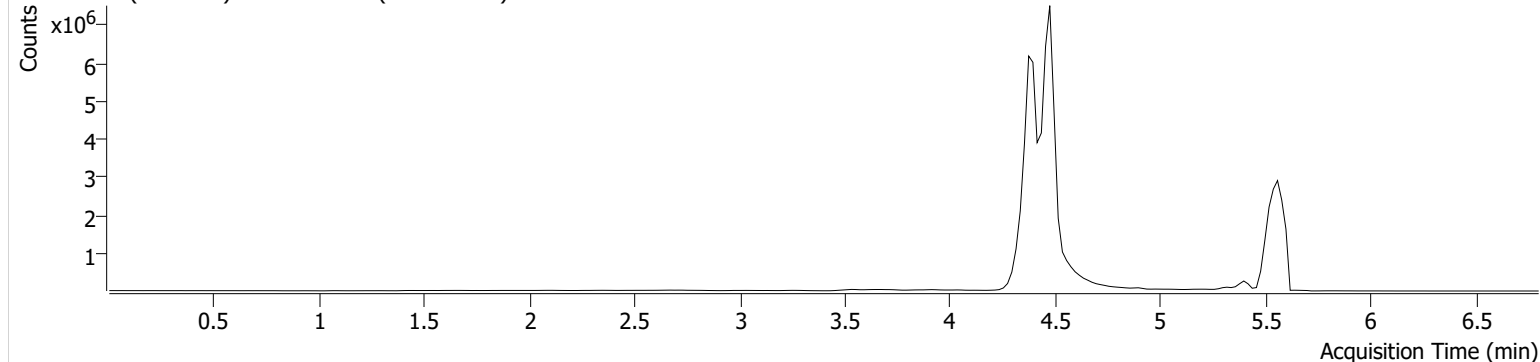
Batch results D:\MassHunter\Data\2023\AM 25 26\012023 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/25/2023 11:14:23 AM

Instrument	Falco (069901)	Data File	MJ Cal 7 SC.d
Type	Cal	Sample	MJ Cal 7 SC
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-G1	Comment	
Injection Volume	10		
Acq. Date-Time	1/20/2023 7:45:27 PM		

Sample Info.

Sample Chromatogram

+ TIC MRM (** -> **) MJ Cal 7 SC.d (MJ Cal 7 SC)



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.510	145760	204301	104.5782 ng/ml
THC-COOH	4.476	10945724	2177621	258.9782 ng/ml
THC-OH	4.382	1827606	8696667	97.6337 ng/ml