REVIEWED
By Sarah Collins at 7:52 am, Aug 03, 2023

Worklist: 6436

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-2474	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-2550	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-2554	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-2701	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-2717	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-2867	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1883	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1898	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1994	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2004	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2005	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2014	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2025	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2028	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2040	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2044	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2050	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2077	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2078	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2079	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2080	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 6436

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2023-2081	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2083	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2084	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2085	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2086	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2093	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2110	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-2121	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

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

Extraction Date: 07/18/2023
Plate lot#: 230119
Mobile phase A: 10mM Amm Form
Instant Buffer I
Blank Blood Lot: Lampire 23A52594
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 07/19/2023
Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Using a calibrated pipette, pipette **250µL blood** into wells of analytical (standards) plate. **Pipette ID: 16**
☒ 3. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 5. Transfer **200-450µL of blood+base and** mixture to corresponding wells of SLE+ plate.
Amount transferred: 250µl
☒ 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right). *Manifold ID: 067104*
☒ 7. Wait 5 minutes.
☒ 8. Add **900uL ethyl acetate.**
☒ 9. Wait 5 minutes.
☒ 10. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 11. Add **900uL ethyl acetate.**
☒ 12. Wait 5 minutes.
☒ 13. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 14. Remove plate containing eluate.
☒ 15. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
☒ 16. Place on SPE Dry and evaporate to dryness at approx. 35°C.
☒ 17. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Open quantitation software and create a new quantitation batch.
☒ 2. Make necessary changes to integration limits
☒ 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. Calculated concentration of 5 or greater or 2-5 for discretionary range.
☒ 4. Did all QCs pass for each analyte? If no, describe issue in comments (below).
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

	1	2	3	4	5	6	7	8	9	10	11	12
A									M2023-2701-1	P2023-2014-1	P2023-2079-1	P2023-2110-1
B									M2023-2717-2	P2023-2025-1	P2023-2080-1	P2023-2121-1
C									M2023-2867-3	P2023-2028-1	P2023-2081-1	NEG
D									P2023-1883-1	P2023-2040-1	P2023-2083-1	
E									P2023-1898-1	P2023-2044-1	P2023-2084-1	
F								M2023-2474-1	P2023-1994-1	P2023-2050-1	P2023-2085-1	
G								M2023-2550-1	P2023-2004-1	P2023-2077-1	P2023-2086-1	
H								M2023-2554-1	P2023-2005-1	P2023-2078-1	P2023-2093-2	CAL

Analytical Plate Map

	1	2	3	4	5	6	7	8	9	10	11	12
A	P2023-2014-1	M2023-2701-1	P2023-2079-1	P2023-2110-1								
B	P2023-2025-1	M2023-2717-2	P2023-2080-1	P2023-2121-1								
C	P2023-2028-1	M2023-2867-3	P2023-2081-1	NEG								
D	P2023-2040-1	P2023-1883-1	P2023-2083-1	M2023-2474-1								
E	P2023-2044-1	P2023-1898-1	P2023-2084-1	M2023-2550-1								
F	P2023-2050-1	P2023-1994-1	P2023-2085-1	M2023-2554-1								
G	P2023-2077-1	P2023-2004-1	P2023-2086-1									
H	P2023-2078-1	P2023-2005-1	P2023-2093-2	CAL								

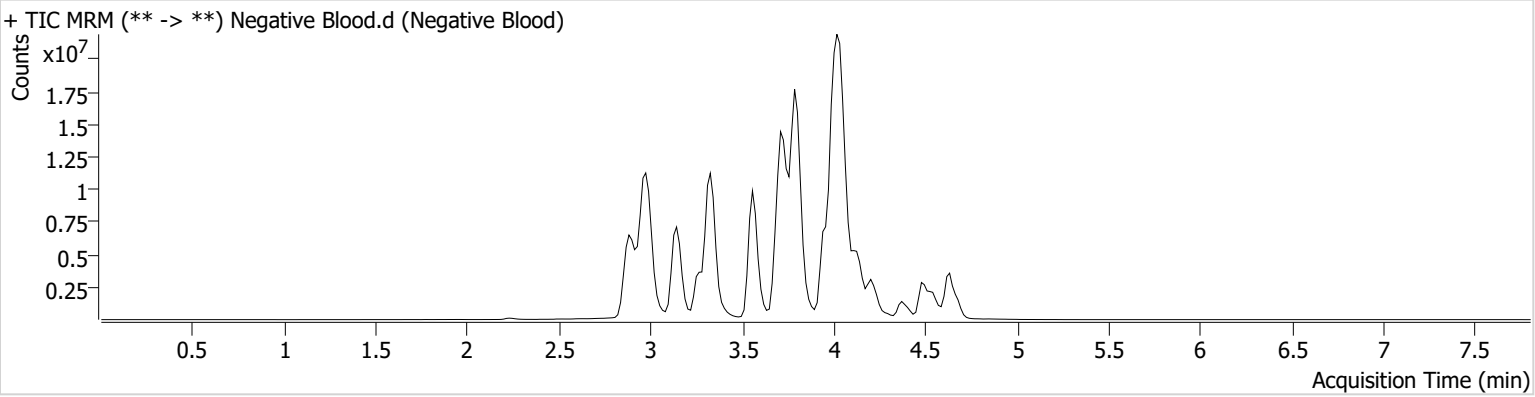
SLE Plate Map

AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/25/2023 12:17:04 PM

Instrument	Falco (069901)	**Data File**	Negative Blood.d
Type	Sample	**Sample**	Negative Blood
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P2-C4	**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	7/18/2023 7:26:19 PM		
Sample Info.			

Sample Chromatogram

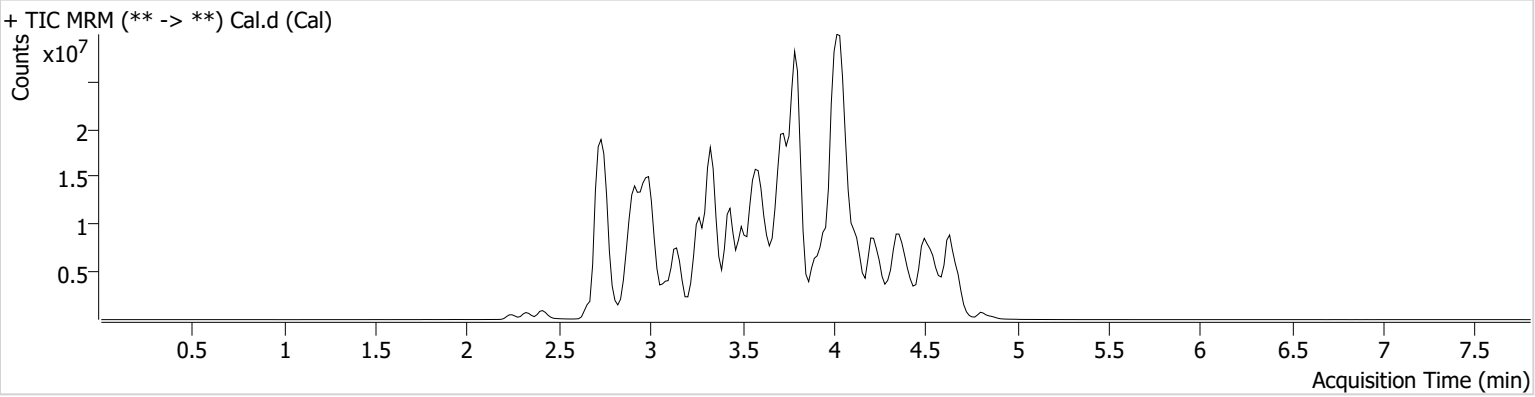


AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/25/2023 12:17:04 PM

Instrument	Falco (069901)	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P2-H4	**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	7/18/2023 7:17:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
10-OH-Carbamazepine	3.779	3709344	1383.91	97.0	291.15	21029315	10.0000 ng/ml
6-MAM	2.866	63860	214.16	63.7	10937.63	1331701	10.0000 ng/ml
7-aminoclonazepam	3.561	895796	217.31	71.8	234.28	3464407	10.0000 ng/ml
7-aminoflunitrazepam	3.760	1386827	318.51	22.6	363.87	3464407	10.0000 ng/ml
9-Hydroxyrisperidone	3.799	10280434	785.15	2.4	522.75	37306723	10.0000 ng/ml
Acetyl Fentanyl	3.742	499869	182.97	58.3	44828.70	40026092	10.0000 ng/ml
Acetyl Norfentanyl	2.920	564905	972.33	38.6	148.67	40026092	10.0000 ng/ml
a-hydroxyalprazolam	4.496	315420	105.70	58.4	158.94	3464407	10.0000 ng/ml
alpha-hydroxymidazolam	4.464	1770185	399.15	83.8	688.07	3464407	10.0000 ng/ml
Alpha-PHP	3.780	4394779	12680.38	35.1	1705.40	40026092	10.0000 ng/ml
alpha-PVP	3.504	6413347	1144.38	50.3	358.17	11855353	10.0000 ng/ml
Alprazolam	4.591	2689962	199.10	109.6	402.26	21776200	10.0000 ng/ml
Amitriptyline	4.379	1287051	100.89	65.9	75.70	3815024	10.0000 ng/ml
Amphetamine	2.925	3548138	891.80	231.5	784.40	11855353	10.0000 ng/ml
Benzoylecgonine	3.406	396398	122452.99	26.4	83.61	520584	10.0000 ng/ml
Brompheniramine	4.004	118715	49.28	1005.0	15409.67	55217488	10.0000 ng/ml
Buprenorphine	4.014	744264	328.29	9.6	36077.78	2552382	10.0000 ng/ml
Bupropion	3.703	5224241	958.60	64.1	971.67	22103265	10.0000 ng/ml
Carbamazepine	4.228	12900272	2658.59	90.2	332.32	542500	10.0000 ng/ml
Carisoprodol	4.227	1784787	364.43	67.8	257.91	8981682	10.0000 ng/ml
Chlordiazepoxide	4.546	310559	151.77	434.5	1437.05	21776200	10.0000 ng/ml
Chlorpheniramine	3.931	8972625	4572.86	0.3	406.33	11446067	10.0000 ng/ml
Chlorpromazine	4.559	943932	305228.95	86.6	250.78	3665857	10.0000 ng/ml
Citalopram	4.049	3739184	315.69	27.9	414.56	55217488	10.0000 ng/ml
Clomipramine	4.559	1225087	2074.89	74.7	2721.85	55217488	10.0000 ng/ml
Clonazepam	4.421	2041535	3363.41	33.4	5064.50	542500	10.0000 ng/ml
Clonazolam	4.356	1157550	2292.19	37.6	282275.49	21776200	10.0000 ng/ml
Clozapine	4.126	3750969	1071.96	89.3	777.43	13187798	10.0000 ng/ml
Cocaethylene	3.773	5517492	4294683.01	56.6	20973.95	29291909	10.0000 ng/ml
Cocaine	3.559	6148186	3514611.25	20.3	352.08	29291909	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Codeine	2.764	404641	690.94	103.1	5365.85	9399045	10.0000 ng/ml
Cyclobenzaprine	4.302	1929135	198.56	8.7	37.26	3815024	10.0000 ng/ml
Desipramine	4.334	3171001	661.62	41.8	1093.97	3815024	10.0000 ng/ml
Dextromethorphan	4.039	2556140	614137.42	79.2	361.49	11446067	10.0000 ng/ml
Dextrorphan	3.378	4360357	600.19	48.0	431.39	11446067	10.0000 ng/ml
Diazepam	4.808	1378022	1183.52	90.1	274.16	21776200	10.0000 ng/ml
Dihydrocodeine	2.732	1257533	689.47	66.7	699.00	9399045	10.0000 ng/ml
Diphenhydramine	4.010	12495784	4116.61	29.1	1052.70	55217488	10.0000 ng/ml
DMT	2.983	453256	612.80	100.6	308.99	11446067	10.0000 ng/ml
Doxepin	4.116	2202094	220.67	46.2	138.64	18072747	10.0000 ng/ml
Doxylamine	3.608	13404179	9830.26	92.9	9513.86	11446067	10.0000 ng/ml
Duloxetine	4.300	29410	2310.37	852.0	149.02	380216	10.0000 ng/ml
EDDP	4.054	1728293	786.78	45.7	432.97	3163229	10.0000 ng/ml
Estazolam	4.516	7427388	501.54	53.6	1709.48	21776200	10.0000 ng/ml
Etizolam	4.602	459935	125112.52	349.7	787236.13	21776200	10.0000 ng/ml
Fentanyl	3.956	311078	205.23	62.2	70615.94	19223878	10.0000 ng/ml
Flualprazolam	4.465	1129866	328361.36	93.7	1414.74	21776200	10.0000 ng/ml
Flunitrazepam	4.529	2565591	5009.60	40.8	229776.52	21776200	10.0000 ng/ml
Fluorofentanyl	3.986	447446	53452.40	73.8	350.27	19223878	10.0000 ng/ml
Fluoxetine	4.298	1243345	473.02	8.1	47.27	1164522	10.0000 ng/ml
Flurazepam	4.077	2975375	888.00	21.6	160478.11	21776200	10.0000 ng/ml
Hydrocodone	2.947	1769968	993.61	39.5	540.25	9399045	10.0000 ng/ml
Hydromorphone	2.415	1857317	1022.24	77.8	1186.20	309491	10.0000 ng/ml
Hydroxyzine	4.401	3009835	1542.45	70.1	1449.09	13187798	10.0000 ng/ml
Imipramine	4.348	5204817	751.52	60.6	537.09	3815024	10.0000 ng/ml
Ketamine	3.334	4586995	27274.27	32.7	185.15	11521501	10.0000 ng/ml
Lamotrigine	3.486	455295	274.00	81.2	34052.79	55217488	10.0000 ng/ml
Levamisole	2.921	3776800	8952.32	89.1	775.22	29291909	10.0000 ng/ml
Levetiracetam	2.679	2131189	305.33	172.7	587.42	55217488	10.0000 ng/ml
Lorazepam	4.420	566520	109.23	254.8	71.59	21776200	10.0000 ng/ml
Maprotiline	4.379	886593	275.53	80.6	160.18	3815024	10.0000 ng/ml
MDA	3.014	4039905	501.78	42.0	442.81	41587583	10.0000 ng/ml
MDEA	3.243	6688494	2043.35	53.4	821.81	41587583	10.0000 ng/ml
MDMA	3.090	7362295	1430.67	52.2	445.41	41587583	10.0000 ng/ml
Meperidine	3.579	3443112	1578.34	61.2	491.21	11446067	10.0000 ng/ml
Meprobamate	3.689	1168819	749.23	27.2	242.05	8981682	10.0000 ng/ml
Methadone	4.360	7514777	1549.08	58.7	890.72	3163229	10.0000 ng/ml
Methamphetamine	3.016	9247321	2958.03	36.6	642.99	41587583	10.0000 ng/ml
Methocarbamol	3.595	894776	194.30	104.2	34.87	3163229	10.0000 ng/ml
Methylphenidate	3.504	11699822	1231.20	19.7	302.59	23286461	10.0000 ng/ml
Metoprolol	3.439	1064160	326.03	107.9	∞	11446067	10.0000 ng/ml
Midazolam	4.311	709146	8286.19	90.5	9185.98	21776200	10.0000 ng/ml
Mirtazapine	3.654	4334924	3790.25	187.7	409.03	11446067	10.0000 ng/ml
Mitragynine	4.077	506614	6699.77	242.7	509188.60	11446067	10.0000 ng/ml
Morphine	2.248	419857	∞	94.1	264.71	309491	10.0000 ng/ml
Norbuprenorphine	3.800	119024	32709.10	95.6	47154.15	2552382	10.0000 ng/ml
Nordiazepam	4.672	1907226	∞	53.7	350.28	21776200	10.0000 ng/ml
Norfentanyl	3.349	10495161	7310.64	34.6	242.04	40026092	10.0000 ng/ml
Norhydrocodone	2.933	101004	151.12	57.9	52.73	309491	10.0000 ng/ml
Norketamine	3.319	1000028	468.74	446.3	2405.47	11521501	10.0000 ng/ml
Normeperidine	3.611	9519958	1360.97	71.6	437.60	55217488	10.0000 ng/ml
Noroxycodone	2.900	1393087	∞	37.6	150.62	11521501	10.0000 ng/ml
Nortriptyline	4.381	699155	651397.57	81.7	421.40	3815024	10.0000 ng/ml
O-desmethyl-tramadol	2.934	10855995	5730.08	5.7	124.82	55217488	10.0000 ng/ml
O-desmethylvenlafaxine	3.270	2470692	419.18	676.8	1.73	10906917	10.0000 ng/ml
Olanzapine	3.250	157203	3032.16	69.6	26.87	542500	10.0000 ng/ml
Oxazepam	4.500	2711070	3008.48	69.9	292.81	14893935	10.0000 ng/ml
Oxycodone	2.898	2784750	496.75	33.5	1114.71	11521501	10.0000 ng/ml
Oxymorphone	2.900	1393087	∞	14.2	284634.96	309491	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Paroxetine	4.295	156828	41.23	57.9	27619.12	1164522	10.0000 ng/ml
Phenazepam	4.617	2909848	482882.26	67.9	230556.85	21776200	10.0000 ng/ml
Phencyclidine	3.903	8769145	630.35	69.2	464.23	11446067	10.0000 ng/ml
Phentermine	3.169	2193078	153.50	5.5	13.83	23286461	10.0000 ng/ml
Phenytoin	4.135	1002348	324.35	87.1	105.01	542500	10.0000 ng/ml
Primidone	3.505	2589169	592.65	105.9	211.23	542500	10.0000 ng/ml
Promethazine	4.270	6055261	29141.19	29.3	598.50	55217488	10.0000 ng/ml
Pseudoephedrine	2.740	68221401	5481.95	29.5	101174.74	41587583	10.0000 ng/ml
Quetiapine	4.201	4270860	1917.62	60.2	4152.12	39007862	10.0000 ng/ml
Risperidone	3.969	8122889	25716.63	11.5	320.25	37306723	10.0000 ng/ml
Sertraline	4.514	264742	96965.63	134.4	183.35	1164522	10.0000 ng/ml
Sufentanil	4.185	192365	47054.56	101.7	364.96	40026092	10.0000 ng/ml
Tapentadol	3.459	7028705	1435.21	34.3	1010.01	11521501	10.0000 ng/ml
Temazepam	4.638	5098725	∞	27.4	241.16	21776200	10.0000 ng/ml
Topiramate	3.848	85699	49470.65	42.1	8607.59	424966	10.0000 ng/ml
Tramadol	3.424	28292924	∞	1.6	101.43	55217488	10.0000 ng/ml
Trazodone	4.016	4521430	945.00	76.8	1011.31	18072747	10.0000 ng/ml
Venlafaxine	3.807	12470549	702.33	29.8	1022.34	10906917	10.0000 ng/ml
Zaleplon	4.315	3161739	10589.47	69.0	2839.75	39007862	10.0000 ng/ml
Zolpidem	3.743	9387129	7292.72	27.2	1155.67	39007862	10.0000 ng/ml
Zopiclone	3.708	16229	7770.99	61.9	2486.41	80880	10.0000 ng/ml

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

Extraction Date: 07/18/2023
Plate lot#: 220802
Mobile phase A: 10mM Amm Form
Blank Blood Lot: Lampire 23A52594
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 07/23/2023
Mobile phase B: 0.1% Formic Acid in MeOH
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☐ 2. Urine hydrolysis (if applicable): add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
☒ 3. Using a calibrated pipette, add **1000µl blood or 1000µl hydrolyzed urine** into the appropriate wells of analytical (standards) plate. **Pipette ID: #42**
☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 5. Pipette **500µL 0.1% formic acid in water to blood samples and 500µl of saturated phosphate buffer to urine samples** to the appropriate wells of the analytical plate.
☒ 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 7. Transfer **800µL of blood+acid mixture or urine+acid** to corresponding wells of SLE+ plate.
☒ 8. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)*** Manifold ID: 067104
☒ 9. Wait 5 minutes.
☒ 10. Add **2.25mL MTBE. (*Add in 3 increments of 750uL)***
☒ 11. Wait 5 minutes.
☒ 12. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 13. Add **2.25mL Hexane. (*Add in 3 increments of 750uL)***
☒ 14. Wait 5 minutes.
☒ 15. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 16. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
☒ 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

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

COMMENTS:

	1	2	3	4	5	6
a	cal 1ng	QC 2	P2023-1883-1	P2023-2040-1	P2023-2083-1	P2023-2121-1
b	cal 3 ng	Blood NC	P2023-1898-1	P2023-2044-1	P2023-2084-1	
c	cal 5 ng	M2023-2474-1	P2023-1994-1	P2023-2050-1	P2023-2085-1	
d	cal 10ng	M2023-2550-1	P2023-2004-1	P2023-2077-1	P2023-2086-1	
e	cal 25 ng	M2023-2554-1	P2023-2005-1	P2023-2078-1	P2023-2093-2	
f	cal 50 ng	M2023-2701-1	P2023-2014-1	P2023-2079-1	P2023-2110-1	
g	cal 100 ng	M2023-2717-2	P2023-2025-1	P2023-2080-1	P2023-2121-1*	
h	QC 1	M2023-2867-3*	P2023-2028-1	P2023-2081-1	M2023-2867-3	

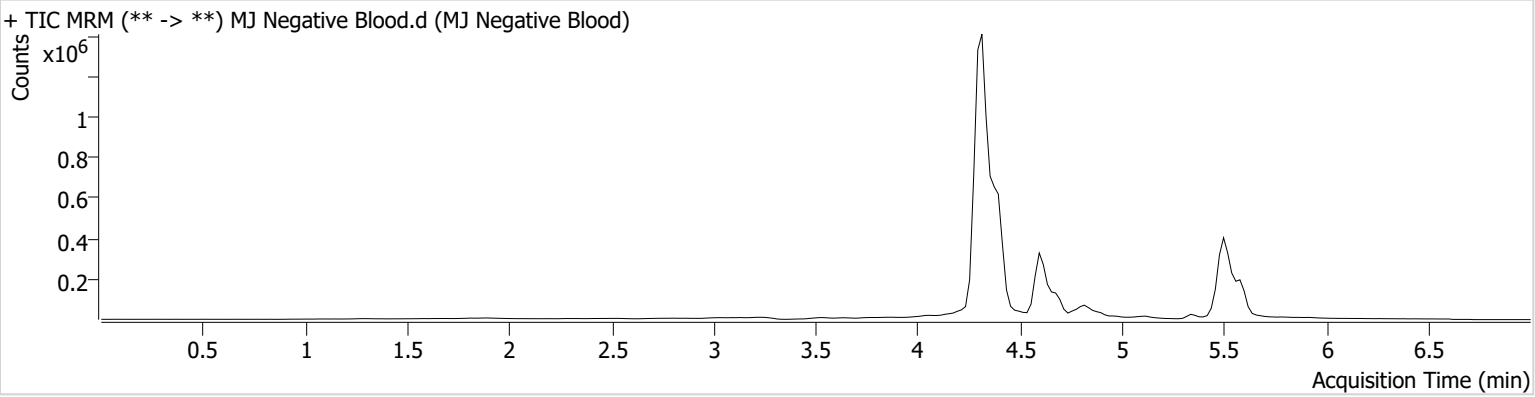
*Moved during SLE portion of the extraction

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update	7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ Negative Blood.d
Type	Sample	**Sample**	MJ Negative Blood
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 2:55:56 PM		
Sample Info.			

Sample Chromatogram

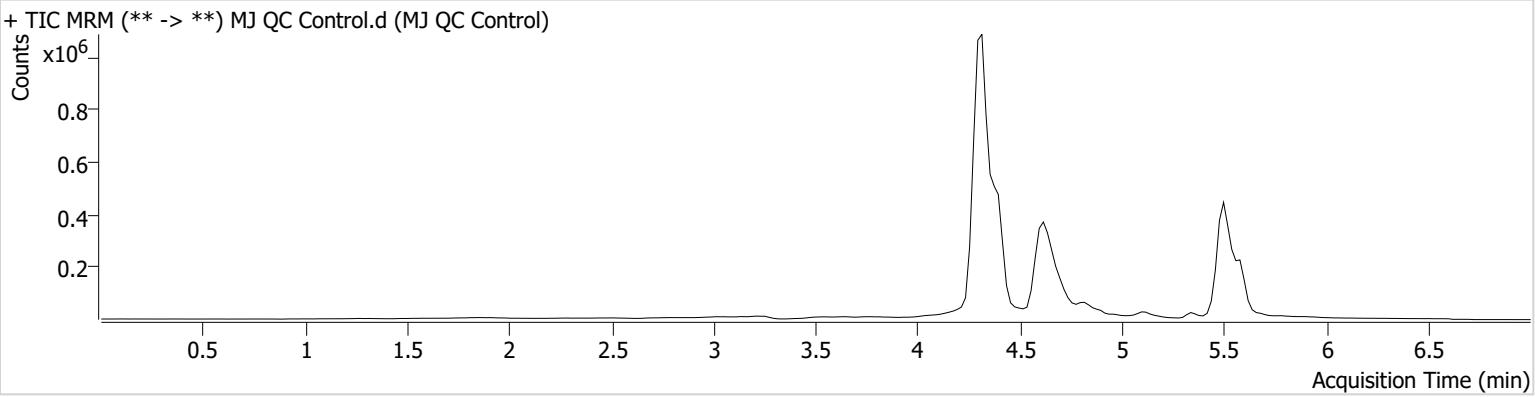


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ QC Control.d
Type	QC	**Sample**	MJ QC Control
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 2:40:46 PM		
Sample Info.			

Sample Chromatogram



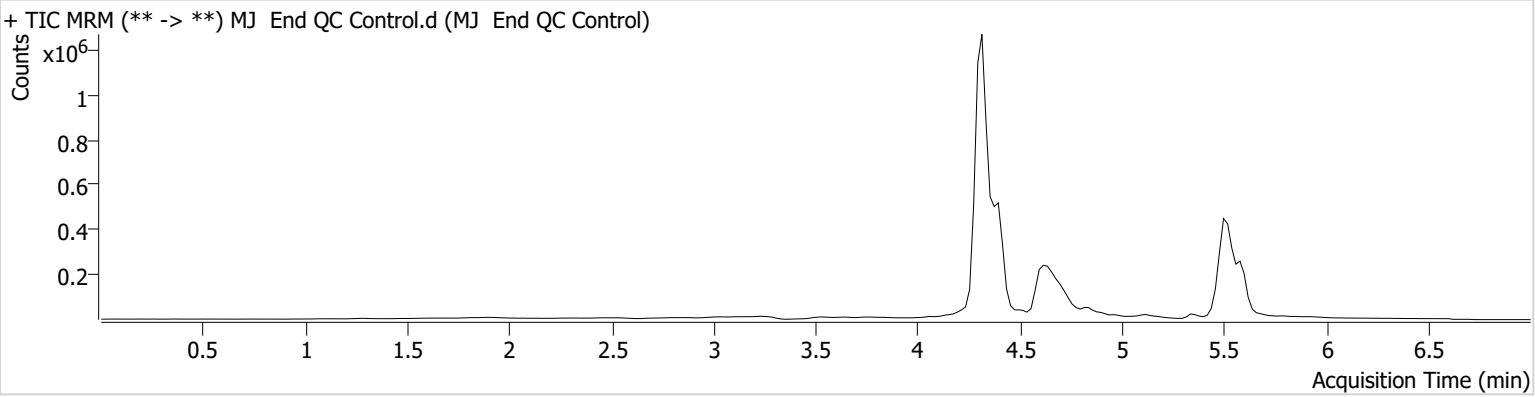
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	6654	∞	194.1	43.33	172447	4.9174 ng/ml
THC-COOH	4.636	354183	∞	155.6	∞	1506546	14.2675 ng/ml
THC-OH	4.322	63433	∞	778.0	∞	6238579	4.6159 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ End QC Control.d
Type	QC	**Sample**	MJ End QC Control
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 6:43:03 PM		
Sample Info.			

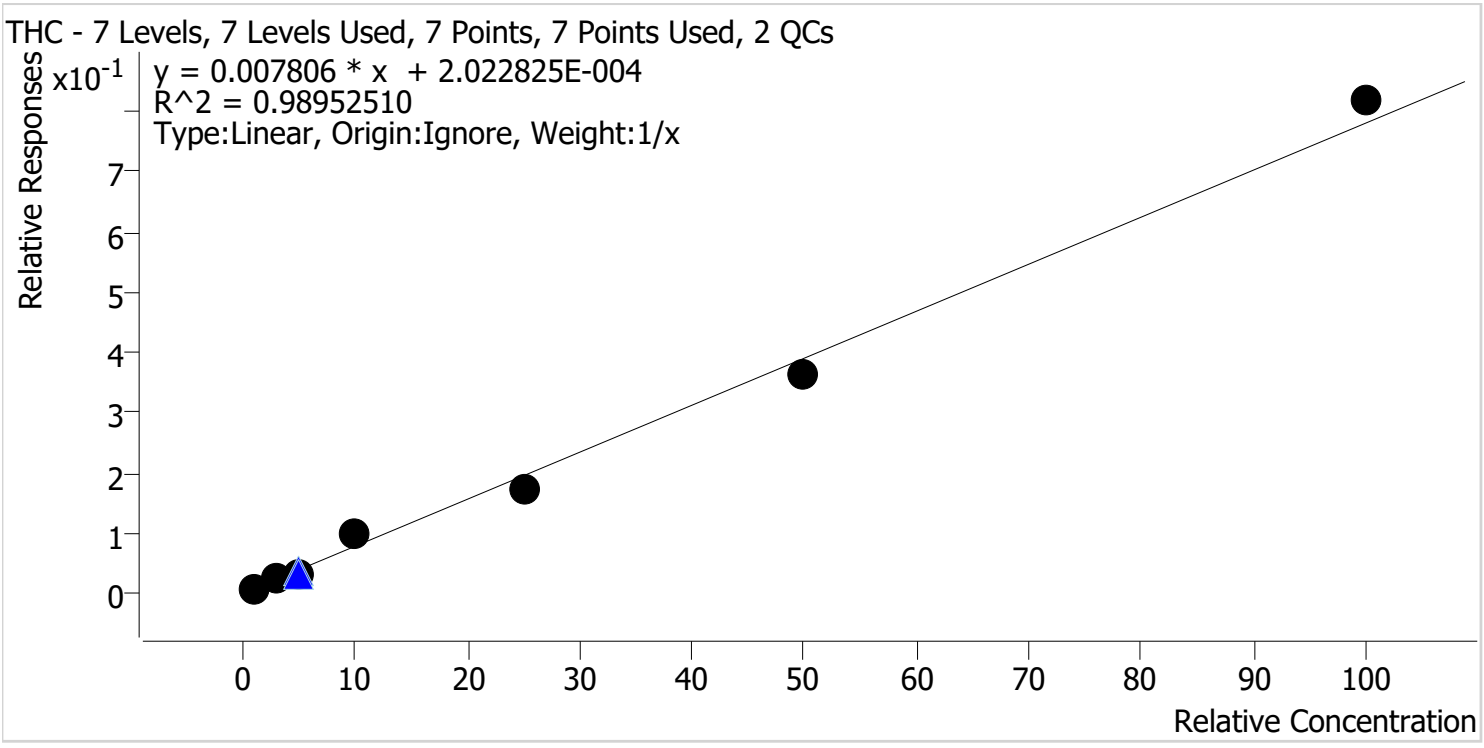
Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	6034	9.22 **Low**	219.7	∞	203282	3.7768 ng/ml
THC-COOH	4.636	285355	∞	153.7	801.32	1096056	15.7854 ng/ml
THC-OH	4.322	60727	209.60	792.0	∞	6348752	4.3531 ng/ml

AM #26 Cannabinoids Screen Calibration Curve Report

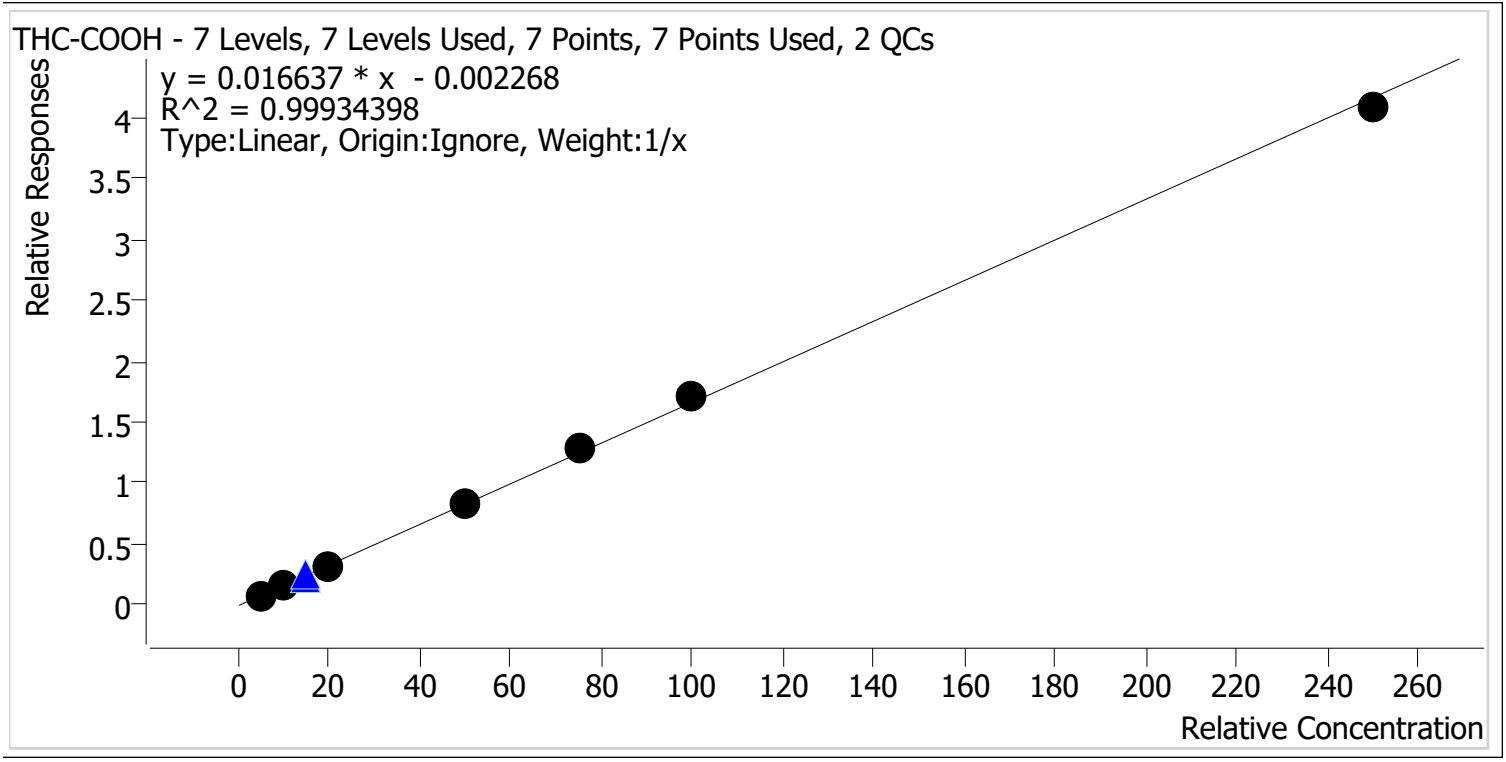
Batch results	D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	7/19/2023 7:15 AM
Analyst Name	ISP\Datastor
Analyte	THC
Internal Standard	THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.0	97.3
MJ Cal 2	2	✔	3.0	3.6	118.5
MJ Cal 3	3	✔	5.0	3.7	73.8
MJ Cal 4	4	✔	10.0	12.3	123.2
MJ Cal 5	5	✔	25.0	22.5	89.9
MJ Cal 6	6	✔	50.0	46.2	92.4
MJ Cal 7	7	✔	100.0	104.7	104.7

AM #26 Cannabinoids Screen Calibration Curve Report

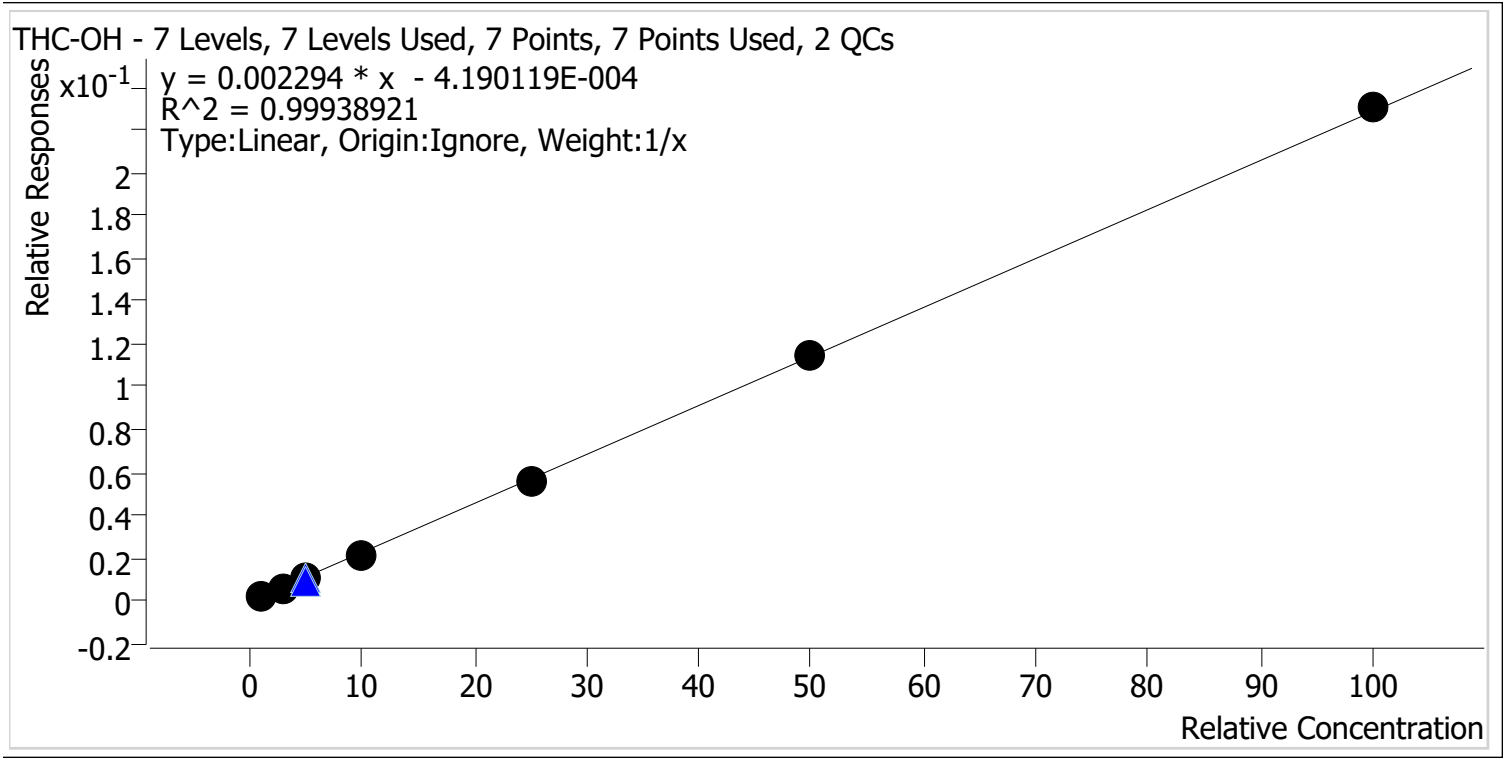
Batch results	D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	7/19/2023 7:15 AM
Analyst Name	ISP\Datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	5.0	4.9	98.0
MJ Cal 2	2	✔	10.0	9.8	98.1
MJ Cal 3	3	✔	20.0	19.8	99.1
MJ Cal 4	4	✔	50.0	50.5	101.0
MJ Cal 5	5	✔	75.0	77.6	103.5
MJ Cal 6	6	✔	100.0	102.3	102.3
MJ Cal 7	7	✔	250.0	245.1	98.0

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	7/19/2023 7:15 AM
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	1.2	115.8
MJ Cal 2	2	✔	3.0	2.9	96.0
MJ Cal 3	3	✔	5.0	4.7	94.0
MJ Cal 4	4	✔	10.0	9.4	94.0
MJ Cal 5	5	✔	25.0	24.6	98.4
MJ Cal 6	6	✔	50.0	50.5	101.0
MJ Cal 7	7	✔	100.0	100.8	100.8

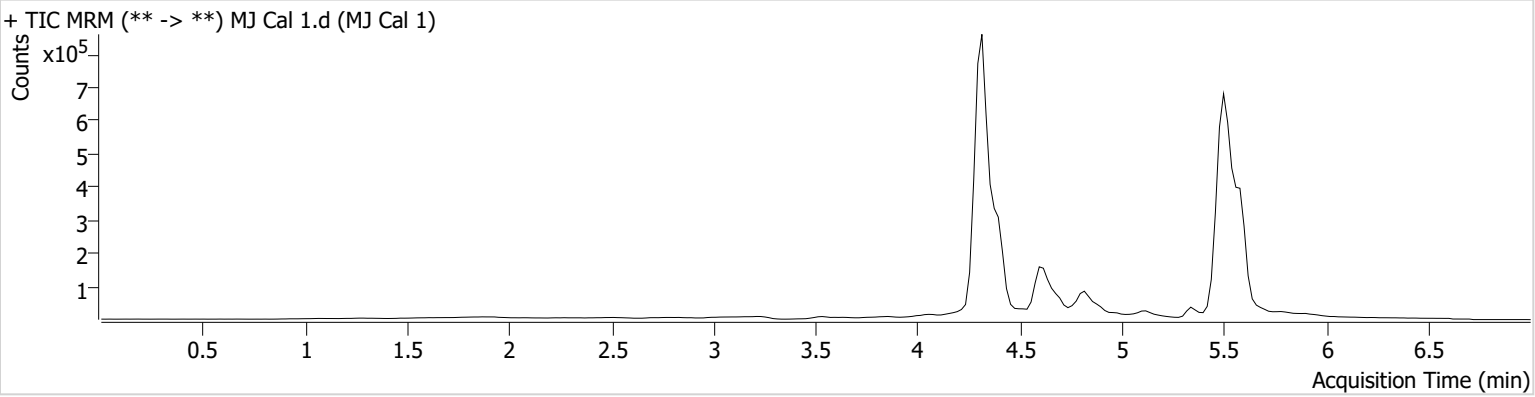
Generated at 9:18 AM on 8/2/2023

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ Cal 1.d
Type	Cal	**Sample**	MJ Cal 1
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-A1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	7/18/2023 1:47:40 PM		
Sample Info.			

Sample Chromatogram



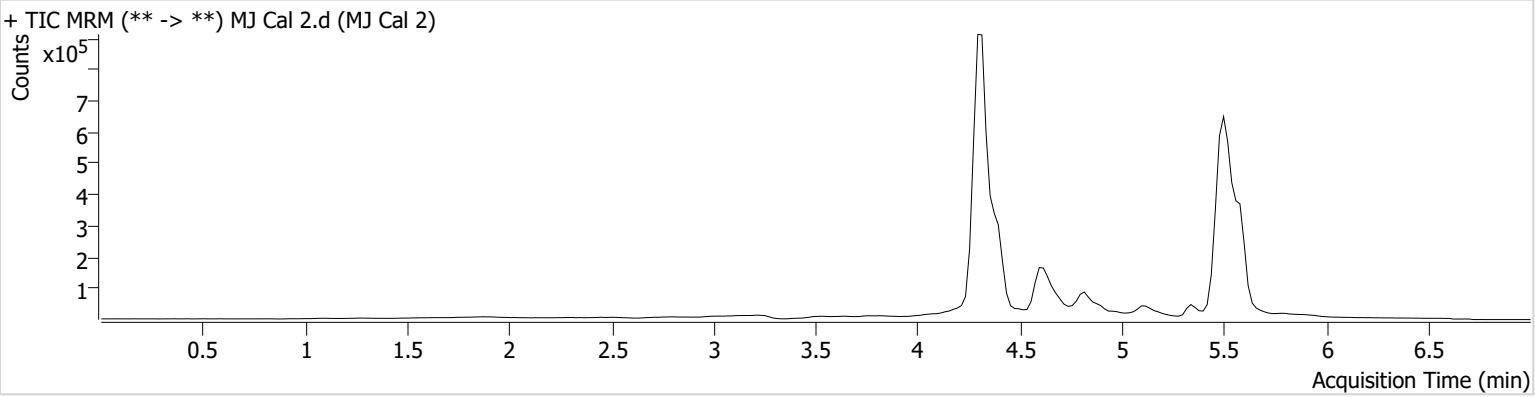
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	2498	4.94 **Low**	738.0 **High**	∞	320487	0.9727 ng/ml
THC-COOH	4.636	58026	92.62	145.8	∞	732026	4.9010 ng/ml
THC-OH	4.322	10319	∞	1583.2 **High**	∞	4612125	1.1582 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ Cal 2.d
Type	Cal	**Sample**	MJ Cal 2
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 1:55:21 PM		
Sample Info.			

Sample Chromatogram



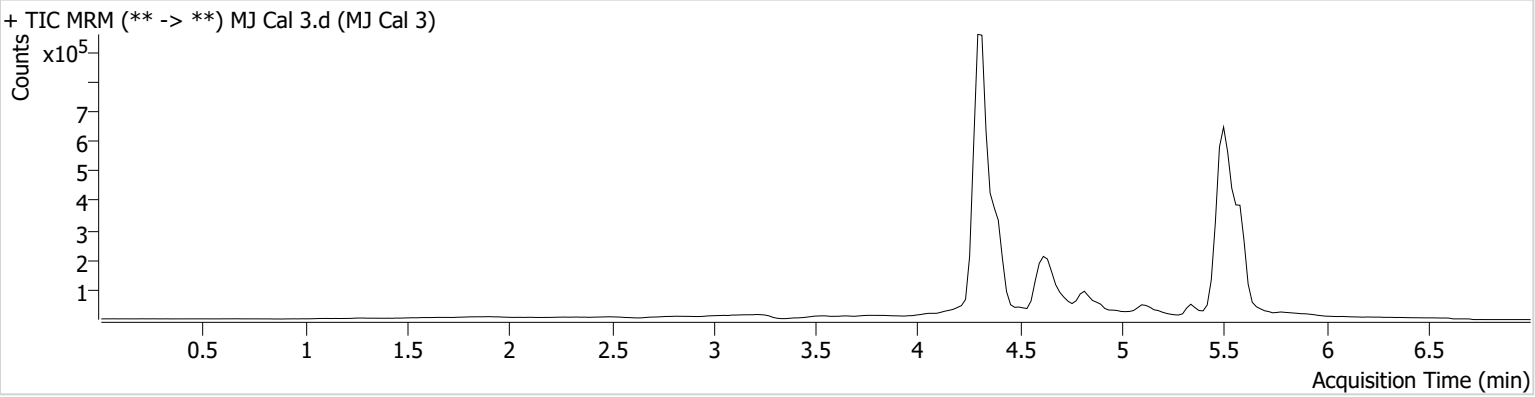
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	8266	∞	240.6	∞	295713	3.5552 ng/ml
THC-COOH	4.636	112031	145.03	145.4	∞	696081	9.8105 ng/ml
THC-OH	4.322	30036	∞	930.3	∞	4856079	2.8794 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ Cal 3.d
Type	Cal	**Sample**	MJ Cal 3
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 2:02:55 PM		
Sample Info.			

Sample Chromatogram



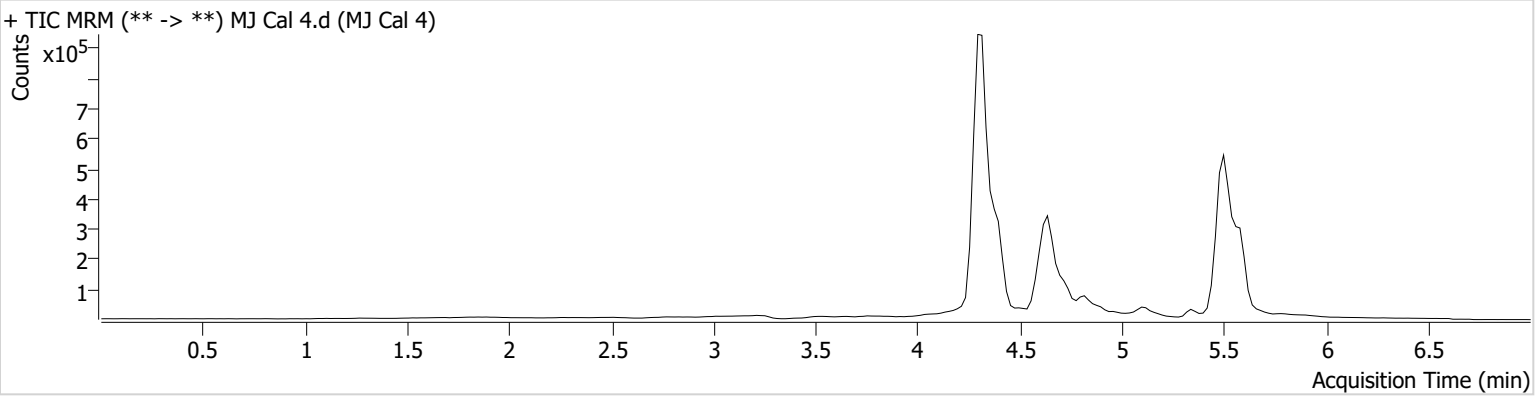
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	7982	∞	267.2 **High**	∞	275036	3.6922 ng/ml
THC-COOH	4.636	234833	∞	150.6	46.20	717315	19.8145 ng/ml
THC-OH	4.322	51162	264.34	837.2	∞	4935597	4.7022 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ Cal 4.d
Type	Cal	**Sample**	MJ Cal 4
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 2:10:30 PM		
Sample Info.			

Sample Chromatogram



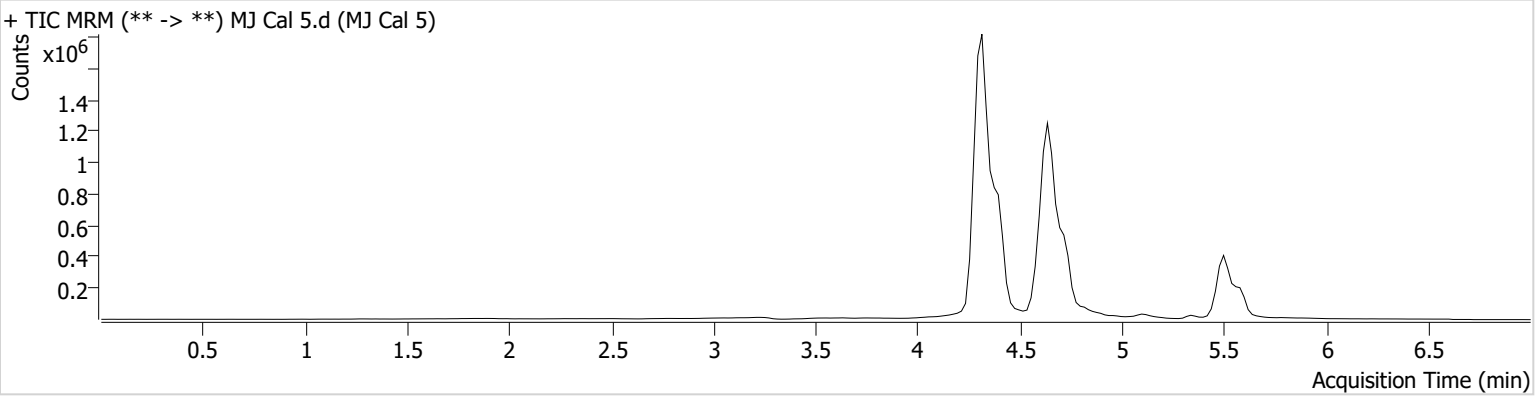
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	23455	49.98	96.0 **Low**	∞	243308	12.3236 ng/ml
THC-COOH	4.636	561397	∞	154.2	∞	670062	50.4969 ng/ml
THC-OH	4.322	98450	∞	753.0	∞	4656628	9.4006 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ Cal 5.d
Type	Cal	**Sample**	MJ Cal 5
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 2:18:04 PM		
Sample Info.			

Sample Chromatogram



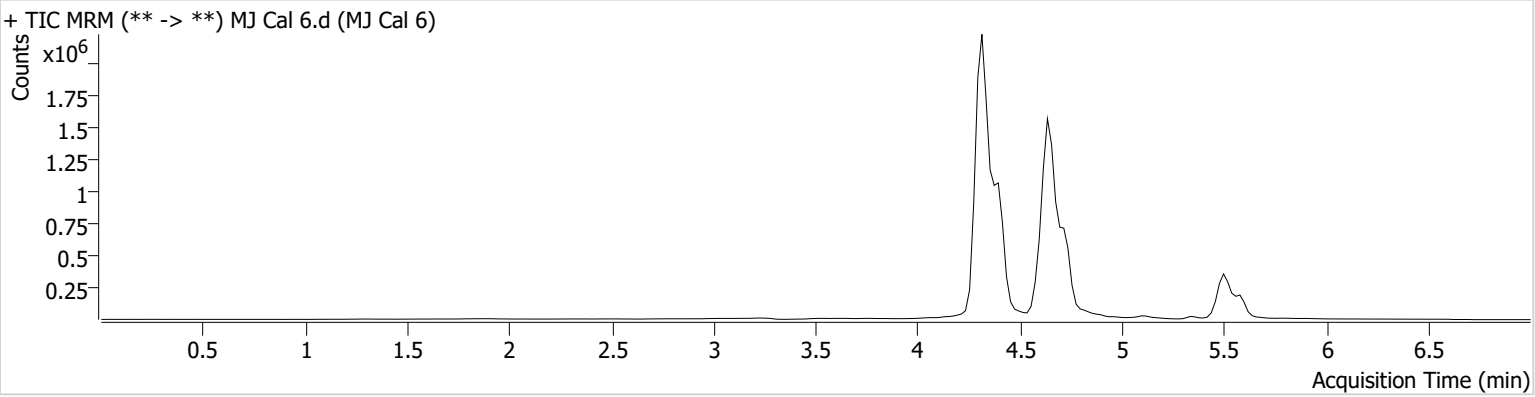
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	34672	∞	60.3 **Low**	∞	197298	22.4872 ng/ml
THC-COOH	4.636	2389936	∞	156.4	∞	1854400	77.6036 ng/ml
THC-OH	4.322	441457	∞	664.9 **Low**	∞	7884545	24.5945 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ Cal 6.d
Type	Cal	**Sample**	MJ Cal 6
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 2:25:38 PM		
Sample Info.			

Sample Chromatogram



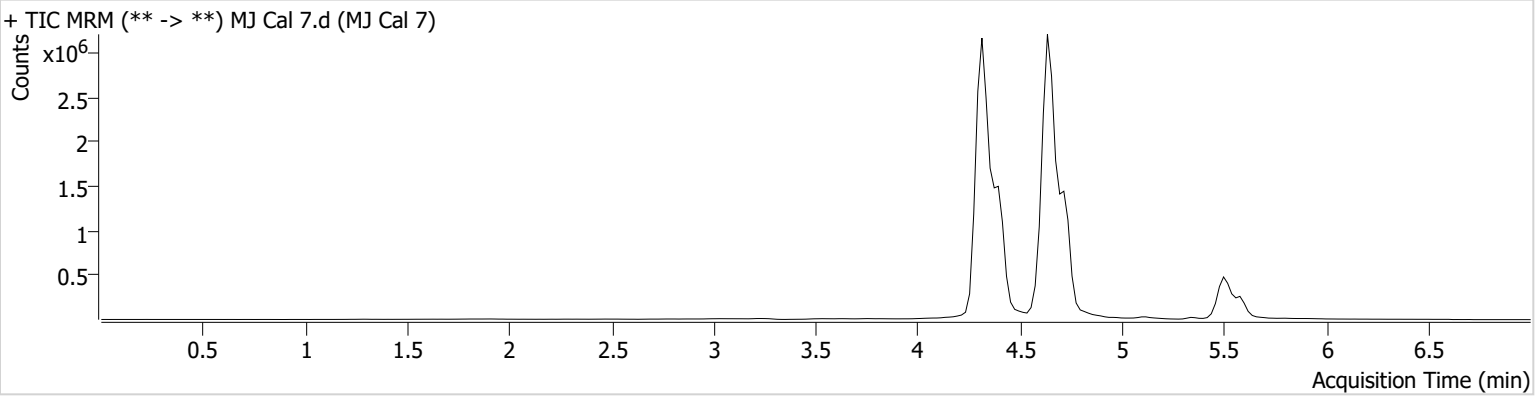
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	66671	∞	40.2 **Low**	15.39	184685	46.2209 ng/ml
THC-COOH	4.636	3051801	∞	156.7	∞	1795279	102.3148 ng/ml
THC-OH	4.322	819190	∞	658.5 **Low**	∞	7097760	50.5039 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\071823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/19/2023 7:15:47 AM

Instrument	Falco (069901)	**Data File**	MJ Cal 7.d
Type	Cal	**Sample**	MJ Cal 7
Acq. Method	AM 26 THC.m	**Operator**	Celena Shrum
Sample Position	P1-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	7/18/2023 2:33:12 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.469	127364	159.53	32.3 **Low**	∞	155729	104.7481 ng/ml
THC-COOH	4.636	6703708	∞	157.5	∞	1645212	245.0588 ng/ml
THC-OH	4.322	1577550	∞	660.2 **Low**	∞	6838584	100.7611 ng/ml