REVIEWED
By Sarah Collins at 11:39 am, Jul 26, 2024

7/15/2024

Worklist: 6871

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-2398	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-2504	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-2589	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-2638	6	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-2676	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-2773	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-1886	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-1941	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-1952	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-1958	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2019	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2020	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2023	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2032	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2033	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2034	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2046	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2047	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2064	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2069	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2073	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 6871

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2024-2082	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2083	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2084	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2091	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2096	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2097	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2143	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-2154	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: 07/18/2024
Plate lot#: 240524
Mobile phase A: 10mM Amm Form
Instant Buffer I
Blank Blood Lot: Lampire 24C52816
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 11/24/2024
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:

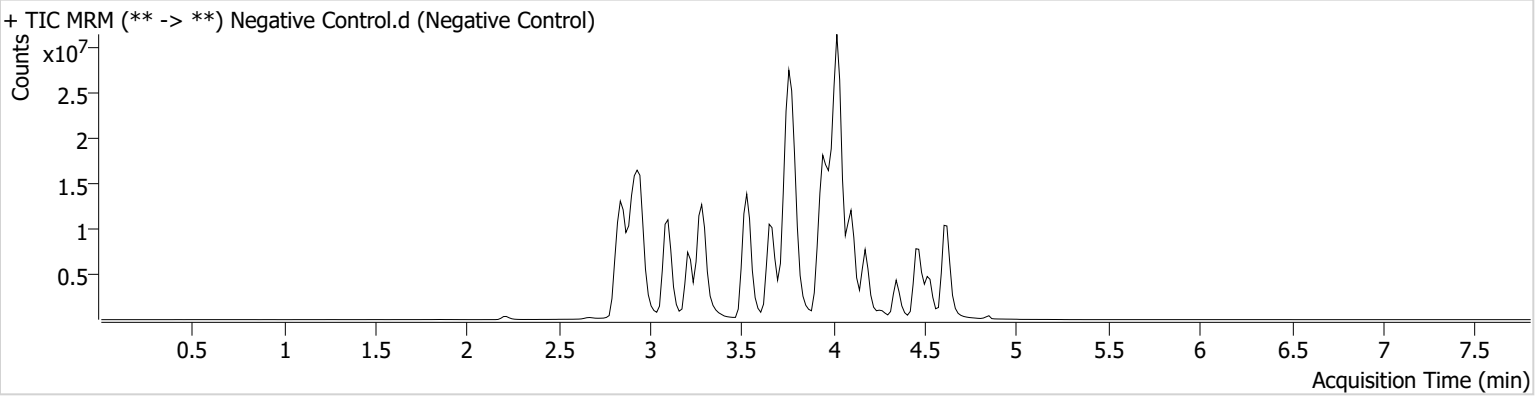
	1	2	3	4	5	6	7	8	9	10	11	12
A									M2024-2589-1	P2024-2019-1	P2024-2064-1	P2024-2097-1
B									M2024-2638-6	P2024-2020-1	P2024-2069-1	P2024-2143-1
C									M2024-2676-1	P2024-2023-1	P2024-2073-1	P2024-2154-1
D									M2024-2773-2	P2024-2032-1	P2024-2082-2	NEG BLOOD
E									P2024-1886-1	P2024-2033-1	P2024-2083-2	
F									P2024-1941-1	P2024-2034-1	P2024-2084-2	
G								M2024-2398-1	P2024-1952-1	P2024-2046-1	P2024-2091-1	
H								M2024-2504-1	P2024-1958-1	P2024-2047-1	P2024-2096-1	CAL

AM #25 Multi-Drug Screen. Results

Batch results	D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update	7/19/2024 10:10:09 AM

Instrument	Falco (069901)	**Data File**	Negative Control.d
Type	Sample	**Sample**	Negative Control
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P2-D12	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	7/18/2024 5:05:56 PM		
Sample Info.			

Sample Chromatogram



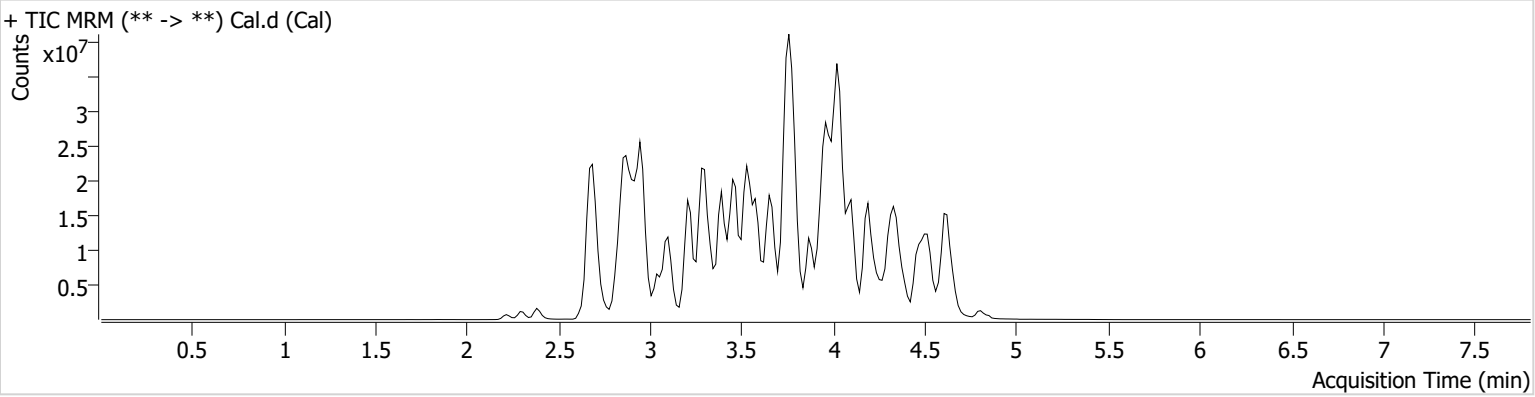
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/19/2024 10:10:09 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 25 MDS.m
Sample Position P2-H12
Injection Volume 5
Acq. Date-Time 7/18/2024 4:57:18 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.749	3988416	85.98	817.03	23985601	10.0000
6-MAM	2.836	78157	28128.35	20969.40	2842390	10.0000
7-aminoclonazepam	3.546	1419643	343.84	585780.79	5530020	10.0000
7-aminoflunitrazepam	3.761	1953755	1942.81	331433.40	5530020	10.0000
9-Hydroxyrisperidone	3.754	12552297	3442.58	255.54	40471742	10.0000
Acetyl Fentanyl	3.711	647276	603.28	236562.42	41621971	10.0000
Acetyl Norfentanyl	2.874	740671	588.29	409.27	41621971	10.0000
a-hydroxyalprazolam	4.483	429927	145.85	181.49	5530020	10.0000
alpha-hydroxymidazolam	4.512	3702679	549.31	1053330.92	5530020	10.0000
Alpha-PHP	3.750	6009737	24957.85	3579.74	41621971	10.0000
alpha-PVP	3.474	9897554	1323.24	403.23	18334331	10.0000
Alprazolam	4.578	4146707	967.81	1123.79	26365109	10.0000
Amitriptyline	4.350	2189874	2918.14	301.59	8203306	10.0000
Amphetamine	2.863	6877616	1032.99	831.01	18334331	10.0000
Benzoylecgonine	3.360	172107	77.01	11550.04	723069	10.0000
Bromazolam	4.650	2979405	16137.71	12856.05	26365109	10.0000
Brompheniramine	3.974	201136	1769.72	8385.79	52581118	10.0000
Buprenorphine	4.031	92436	322.87	6692.97	3827495	10.0000
Bupropion	3.673	8181515	1961.46	10023.69	30418979	10.0000
Carbamazepine	4.199	18963853	∞	1914.23	301013	10.0000
Carisoprodol	4.182	2619544	263025.76	280.53	15420288	10.0000
Chlordiazepoxide	4.610	1439723	1314.28	594.68	26365109	10.0000
Chlorpheniramine	3.886	13437456	1283.31	6.05	19619753	10.0000
Chlorpromazine	4.530	1790866	609747.29	318.22	8813859	10.0000
Citalopram	4.005	5236215	2310.97	919.89	52581118	10.0000
Clomipramine	4.531	2478925	8365.82	5317.34	52581118	10.0000
Clonazepam	4.392	2372601	477.16	610363.28	301013	10.0000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Clonazolam	4.327	2540019	378116.14	728003.12	26365109	10.0000
Clozapine	4.097	7171440	1288.26	4291.82	26554919	10.0000
Cocaethylene	3.727	9325047	2856398.89	4381.21	38959055	10.0000
Cocaine	3.528	10254531	1239.50	275.21	38959055	10.0000
Codeine	2.732	743737	22743.54	4069.39	15827119	10.0000
Cyclobenzaprine	4.273	4204879	859.10	240.19	8203306	10.0000
Desipramine	4.305	6336381	904.08	3035.45	8203306	10.0000
Dextromethorphan	4.010	3595326	494.96	478.37	19619753	10.0000
Dextrorphan	3.332	5826119	1235.05	1811658.68	19619753	10.0000
Diazepam	4.811	1811676	2016.48	2051.49	26365109	10.0000
Dihydrocodeine	2.701	1789625	624.55	1543.65	15827119	10.0000
Diphenhydramine	3.964	17037776	2530.59	993.75	52581118	10.0000
DMT	2.937	831637	1204.95	1367.95	19619753	10.0000
Doxepin	4.071	3485757	413.45	184.41	27948646	10.0000
Doxylamine	3.577	20042044	1530.15	599.48	19619753	10.0000
Duloxetine	4.271	79044	4781.21	14907.49	1075295	10.0000
EDDP	4.040	946444	295.89	102549.64	5551585	10.0000
Estazolam	4.502	7774972	1549.87	1728.10	26365109	10.0000
Etizolam	4.604	394337	141041.50	6153.54	26365109	10.0000
Fentanyl	3.942	431629	188.03	17278.10	28152146	10.0000
Flualprazolam	4.452	1888240	1100049.41	1134588.81	26365109	10.0000
Flunitrazepam	4.515	3847283	2563.53	581308.06	26365109	10.0000
Fluorofentanyl	3.956	630413	126289.55	623.58	28152146	10.0000
Fluoxetine	4.270	3006034	1321.81	63.14	3266720	10.0000
Flurazepam	4.048	5878192	1330.55	274530.34	26365109	10.0000
Hydrocodone	2.916	2953267	799.94	703.97	15827119	10.0000
Hydromorphone	2.383	2433671	886.16	663.36	15827119	10.0000
Hydroxyzine	4.372	5111054	3204.51	1595.53	26554919	10.0000
Imipramine	4.319	8684736	1230.74	1432.66	8203306	10.0000
Ketamine	3.303	6877040	2227.74	213.71	22490625	10.0000
Lamotrigine	3.456	5171286	16061.15	1618.82	52581118	10.0000
Levamisole	2.890	5708261	1306.76	680.31	38959055	10.0000
Levetiracetam	2.633	3223905	1204.91	1118.17	52581118	10.0000
Lorazepam	4.391	669577	236.47	11.88	26365109	10.0000
Maprotiline	4.350	1587810	37.15	164.67	8203306	10.0000
MDA	2.968	5953826	484.97	1035.81	39029827	10.0000
MDEA	3.197	9029267	711.12	1222.18	39029827	10.0000
MDMA	3.044	10828499	1724.42	5712.74	39029827	10.0000
Meperidine	3.533	4536086	649.61	787.24	19619753	10.0000
Meprobamate	3.644	1292615	∞	124.70	15420288	10.0000
Methadone	4.331	11212461	777.03	15968.10	5551585	10.0000
Methamphetamine	2.954	24164105	1146.85	623.70	39029827	10.0000
Methocarbamol	3.549	645890	258.44	3414.32	5551585	10.0000
Methylphenidate	3.473	19781549	1541.44	544.57	33144557	10.0000
Metoprolol	3.409	1413998	577.98	646.77	19619753	10.0000
Midazolam	4.483	1139994	2835.53	35737.89	26365109	10.0000
Mirtazapine	3.639	5234552	2543.81	1957.32	19619753	10.0000
Mitragynine	4.063	675624	2027.71	1071913.02	19619753	10.0000
Morphine	2.218	594901	9.36	458.18	829053	10.0000
Norbuprenorphine	3.769	132986	483.95	77.97	3827495	10.0000
Nordiazepam	4.659	2528211	956.60	1321.09	26365109	10.0000
Norfentanyl	3.304	13566987	674.00	324.60	41621971	10.0000
Norhydrocodone	2.886	154046	122.67	67.44	15827119	10.0000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Norketamine	3.288	976509	345.68	323240.01	22490625	10.0000
Normeperidine	3.566	5347482	1629.24	813.72	52581118	10.0000
Noroxycodone	2.854	2249271	∞	282.12	22490625	10.0000
Nortriptyline	4.352	1571494	827.38	336.79	8203306	10.0000
O-desmethyl-tramadol	2.888	15363266	15312.81	426.12	52581118	10.0000
O-desmethylvenlafaxine	3.224	3199898	2098.60	4724.54	17570290	10.0000
Olanzapine	3.389	1490900	934.87	732.66	301013	10.0000
Oxazepam	4.472	2472946	341.47	95.52	17362239	10.0000
Oxycodone	2.868	4826892	256.83	612.07	22490625	10.0000
Oxymorphone	2.290	2319774	∞	381.85	15827119	10.0000
Paroxetine	4.266	384274	152.35	1267.90	3266720	10.0000
Phenazepam	4.604	3108710	682576.77	1479.54	26365109	10.0000
Phencyclidine	3.873	11024441	3550.08	1772.62	19619753	10.0000
Phentermine	3.123	2878895	307.43	36.93	33144557	10.0000
Phenytoin	4.090	553534	20551.15	110.76	301013	10.0000
Primidone	3.444	10906593	5957.67	703.68	301013	10.0000
Promethazine	4.225	9686395	1103.92	432.49	52581118	10.0000
Pseudoephedrine	2.694	61370018	1356.72	2219.64	39029827	10.0000
Quetiapine	4.187	6939848	2038.72	1657.15	41909149	10.0000
Risperidone	3.939	10304157	1501524.61	748.52	40471742	10.0000
Sertraline	4.486	647477	254067.22	691.07	3266720	10.0000
Sufentanil	4.187	298742	3161.19	1124.00	41621971	10.0000
Tapentadol	3.397	11192216	1200.94	483.77	22490625	10.0000
Temazepam	4.625	5676356	1095.37	106.74	26365109	10.0000
Topiramate	3.803	811008	505.43	1836.09	294731	10.0000
Tramadol	3.393	31761793	∞	63.14	52581118	10.0000
Trazodone	4.033	6600977	2934.36	1775.89	27948646	10.0000
Venlafaxine	3.747	11590989	719.67	373.87	17570290	10.0000
Xylazine	3.335	4465937	3130.50	184.72	22490625	10.0000
Zaleplon	4.301	3116545	1478078.05	762601.82	41909149	10.0000
Zolpidem	3.790	12872957	8098763.99	1053481.40	41909149	10.0000
Zopiclone	3.693	515158	232714.38	513.10	2504937	10.0000

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

Extraction Date: 07/18/2024
Plate lot#: 240513
Mobile phase A: 10mM Amm Form
Blank Blood Lot: Lampire 24C52816
LCMS-QQQ ID: 069901

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

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

COMMENTS: THC-COOH cals 3 and 4 removed due to linearity

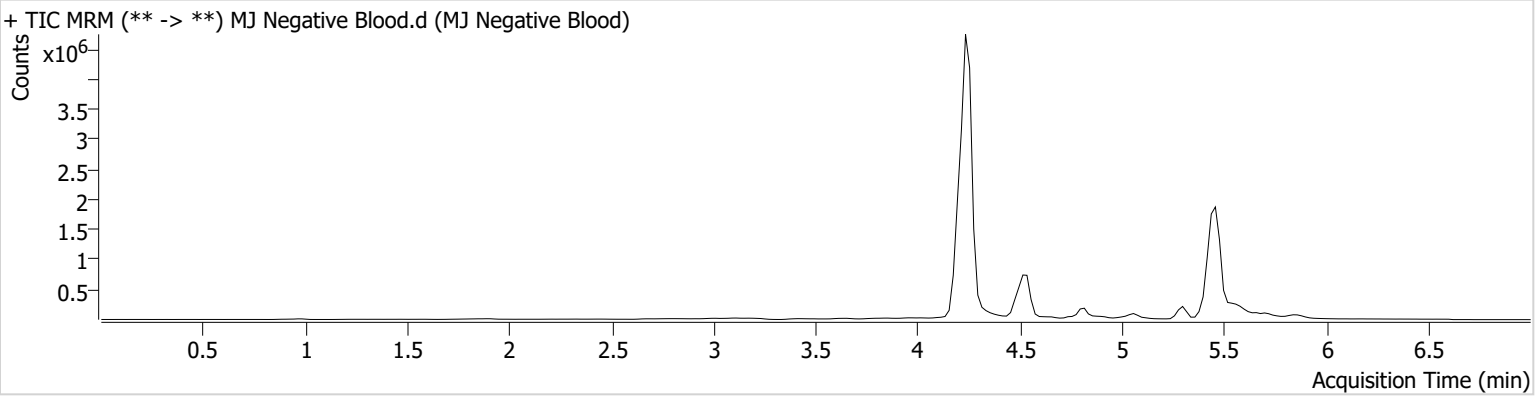
	1	2	3	4	5	6
a	cal 1ng	QC 2	P2024-1886-1	P2024-2033-1	P2024-2083-2	
b	cal 3 ng	NEG CTRL	P2024-1941-1	P2024-2034-1	P2024-2084-2	
c	cal 5 ng	M2024-2398-1	P2024-1952-1	P2024-2046-1	P2024-2091-1	
d	cal 10ng	M2024-2504-1	P2024-1958-1	P2024-2047-1	P2024-2096-1	
e	cal 25 ng	M2024-2589-1	P2024-2019-1	P2024-2064-1	P2024-2097-1	
f	cal 50 ng	M2024-2638-6	P2024-2020-1	P2024-2069-1	P2024-2143-1	
g	cal 100 ng	M2024-2676-1	P2024-2023-1	P2024-2073-1	P2024-2154-1	
h	QC 1	M2024-2773-2	P2024-2032-1	P2024-2082-2		

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 12:35:14 PM		
Sample Info.			

Sample Chromatogram

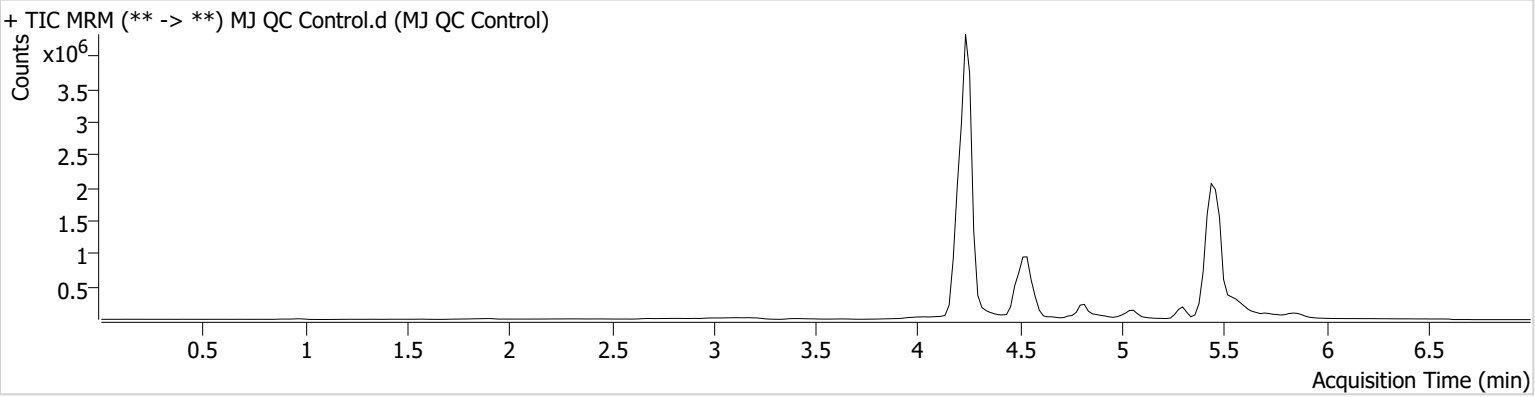


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 12:20:05 PM		
Sample Info.			

Sample Chromatogram



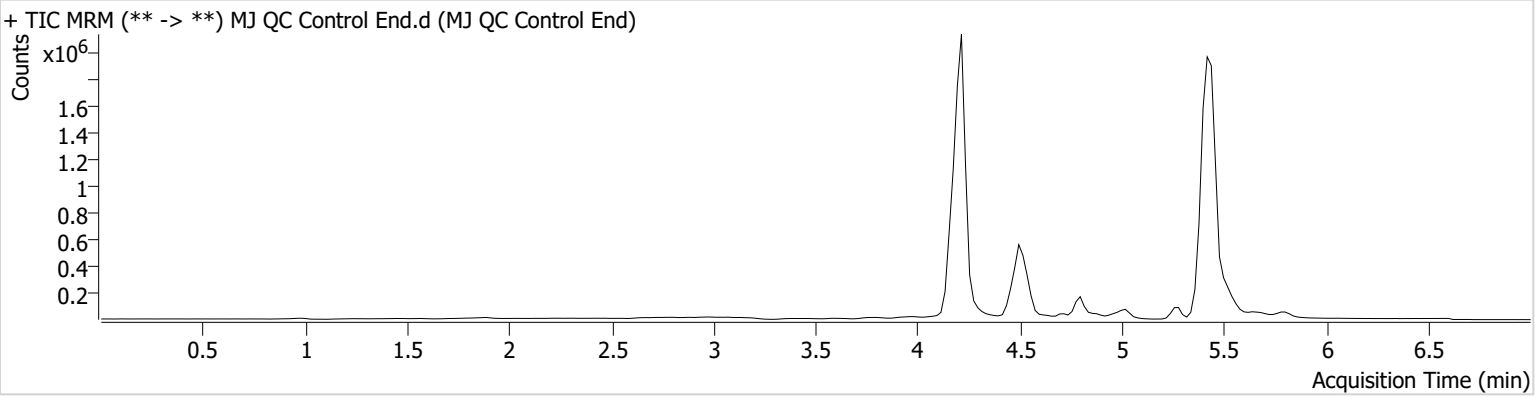
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	7417	344345	5.05 ng/ml
THC-COOH	4.556	499368	3730832	11.89 ng/ml
THC-OH	4.262	148723	17648708	4.66 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 AM

Instrument	Falco (069901)	**Data File**	MJ QC Control End.d
Type	QC	**Sample**	MJ QC Control End
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	7/18/2024 4:22:44 PM		
Sample Info.			

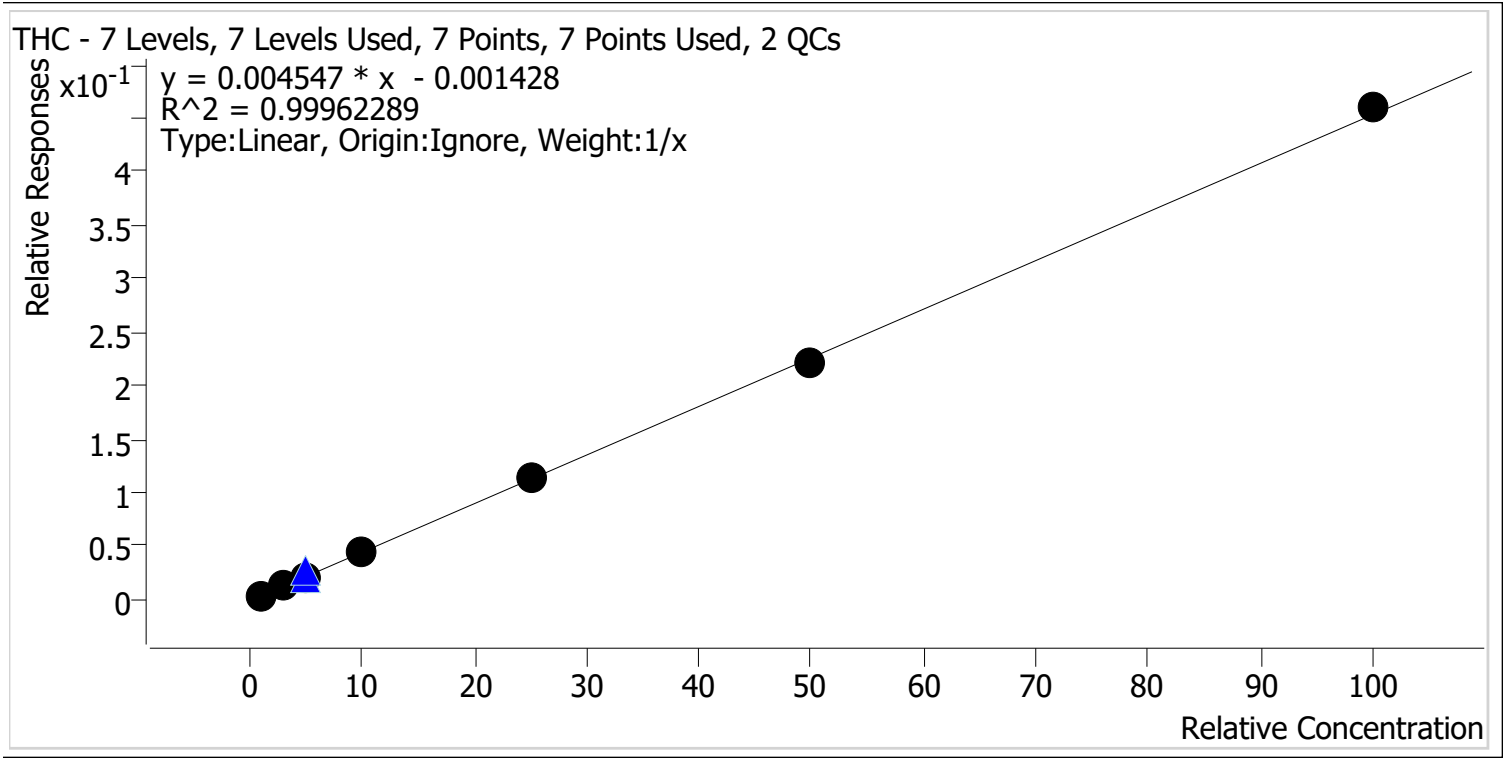
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.369	7512	294599	5.92 ng/ml
THC-COOH	4.536	345630	1723654	19.09 ng/ml
THC-OH	4.222	69074	8044350	4.75 ng/ml

AM #26 Cannabinoids Screen Calibration Curve Report

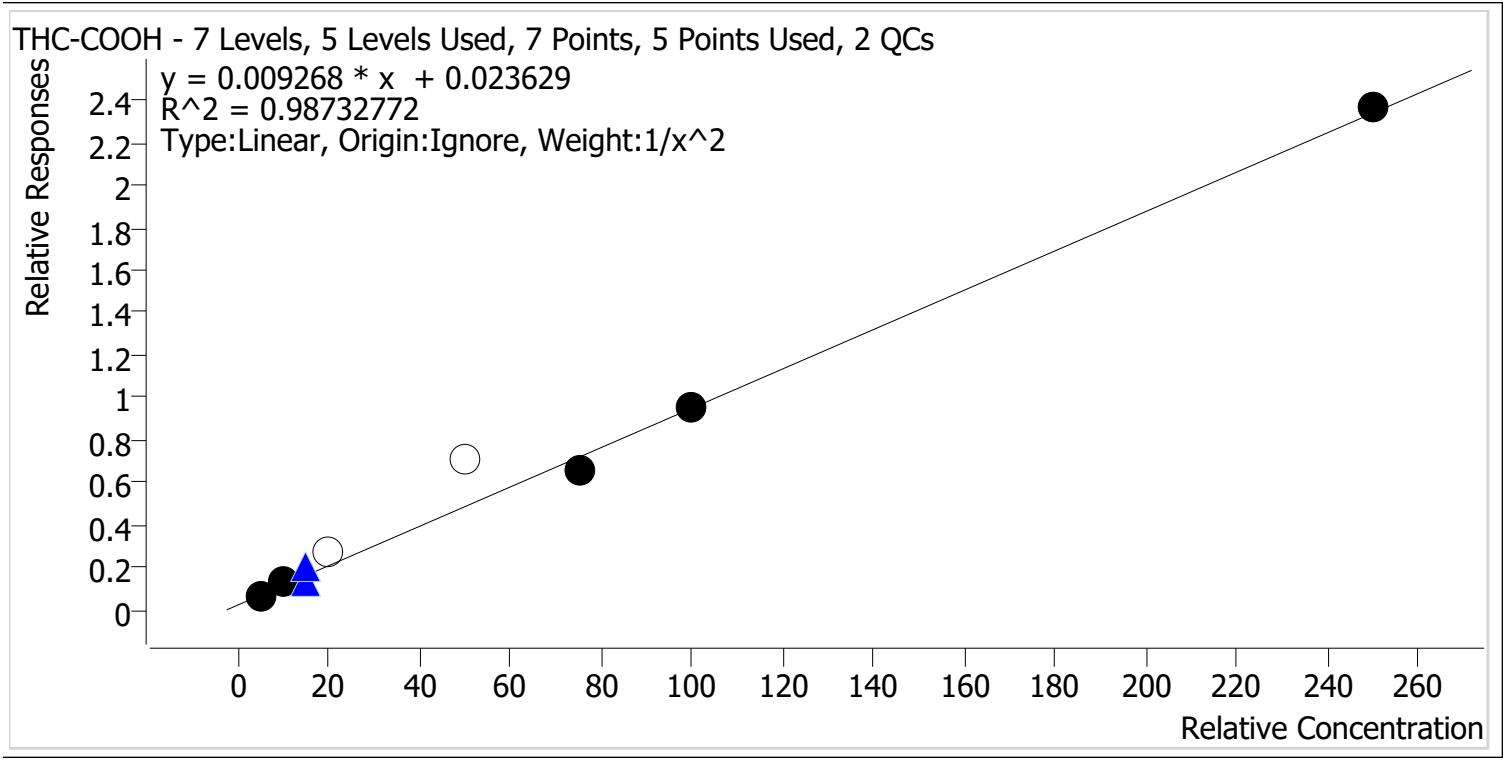
Batch results	D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	7/25/2024 8:57 AM
Analyst Name	ISP\Datastor
Analyte	THC
Internal Standard	THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.1	106.2
MJ Cal 2	2	✔	3.0	3.0	99.1
MJ Cal 3	3	✔	5.0	4.9	97.6
MJ Cal 4	4	✔	10.0	9.8	97.7
MJ Cal 5	5	✔	25.0	25.1	100.4
MJ Cal 6	6	✔	50.0	48.8	97.6
MJ Cal 7	7	✔	100.0	101.4	101.4

AM #26 Cannabinoids Screen Calibration Curve Report

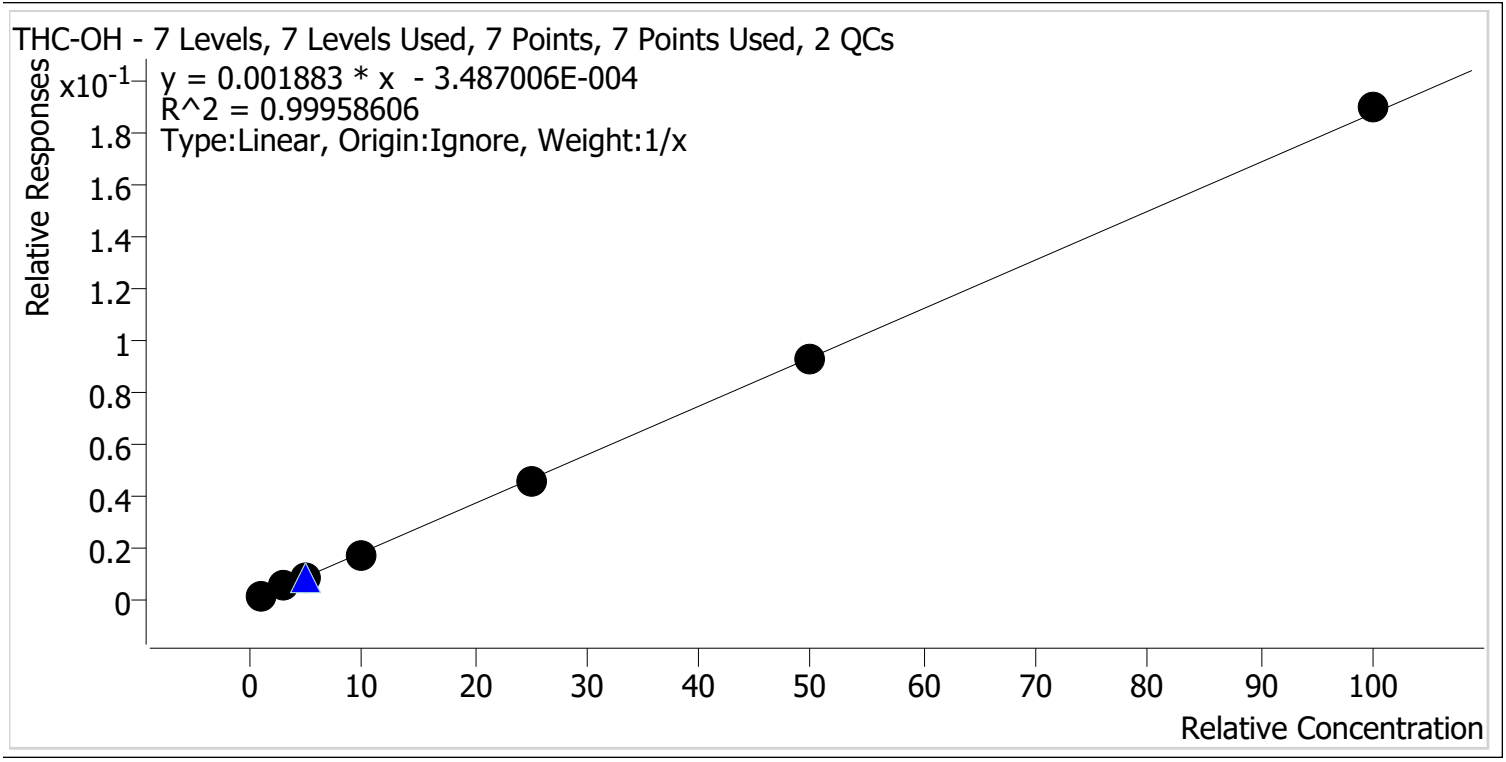
Batch results	D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	7/25/2024 8:57 AM
Analyst Name	ISP\Datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	5.0	4.6	92.9
MJ Cal 2	2	✔	10.0	11.5	115.3
MJ Cal 3	3	✗	20.0	26.5	132.6
MJ Cal 4	4	✗	50.0	73.2	146.3
MJ Cal 5	5	✔	75.0	68.2	90.9
MJ Cal 6	6	✔	100.0	99.7	99.7
MJ Cal 7	7	✔	250.0	252.7	101.1

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	7/25/2024 8:57 AM
Analyst Name	ISP\Datastor
Analyte	THC-OH
Internal Standard	THC-OH-D3



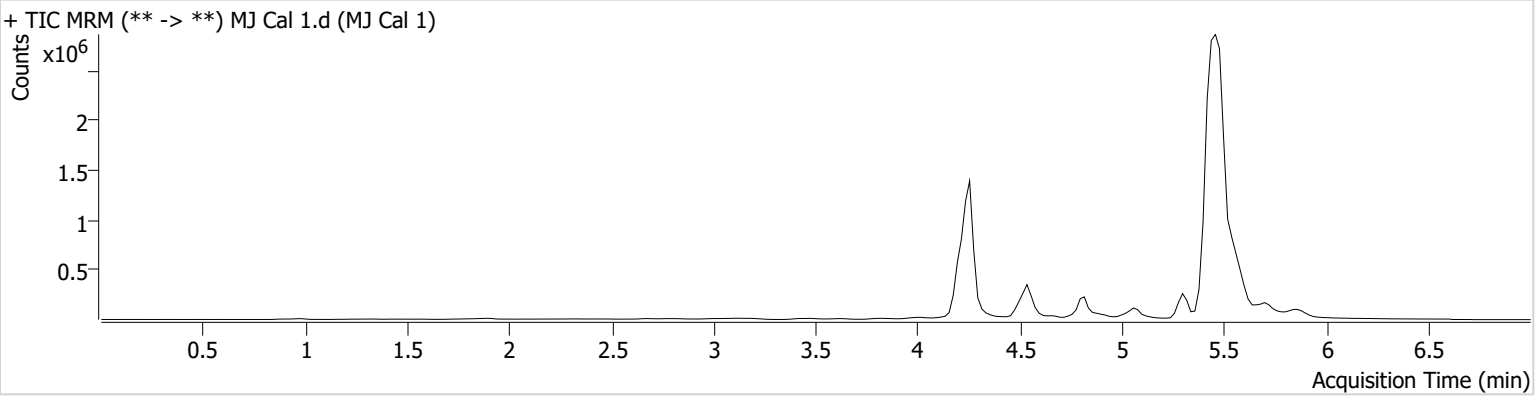
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.1	112.6
MJ Cal 2	2	✔	3.0	2.9	96.8
MJ Cal 3	3	✔	5.0	4.7	94.7
MJ Cal 4	4	✔	10.0	9.7	97.2
MJ Cal 5	5	✔	25.0	24.4	97.7
MJ Cal 6	6	✔	50.0	49.9	99.8
MJ Cal 7	7	✔	100.0	101.2	101.2

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 11:26:50 AM		
Sample Info.			

Sample Chromatogram



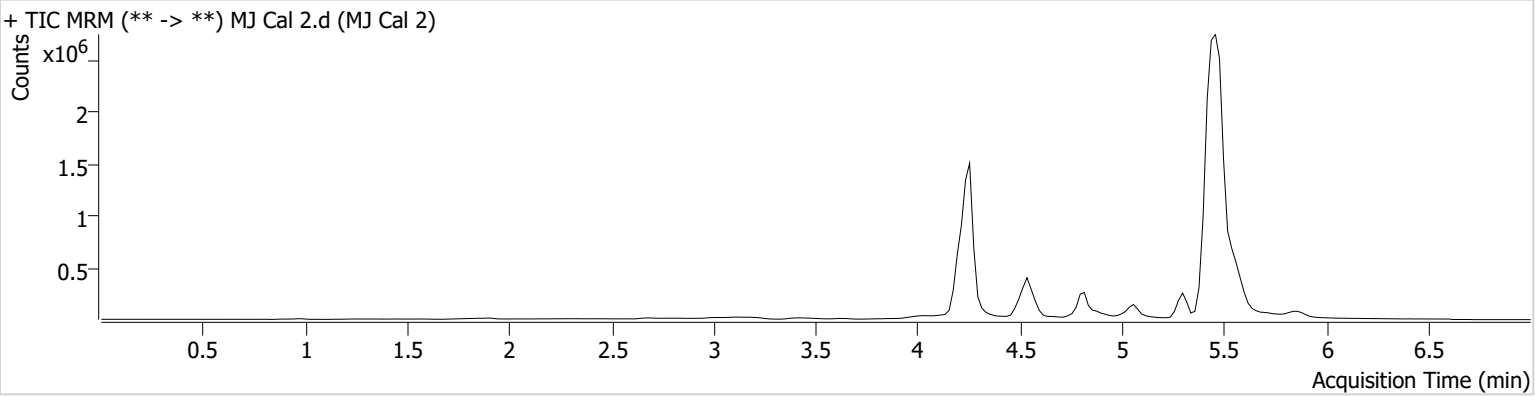
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	2138	629040	1.06 ng/ml **Low**
THC-COOH	4.576	81442	1221047	4.65 ng/ml **Low**
THC-OH	4.262	10362	5847111	1.13 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 11:34:34 AM		
Sample Info.			

Sample Chromatogram



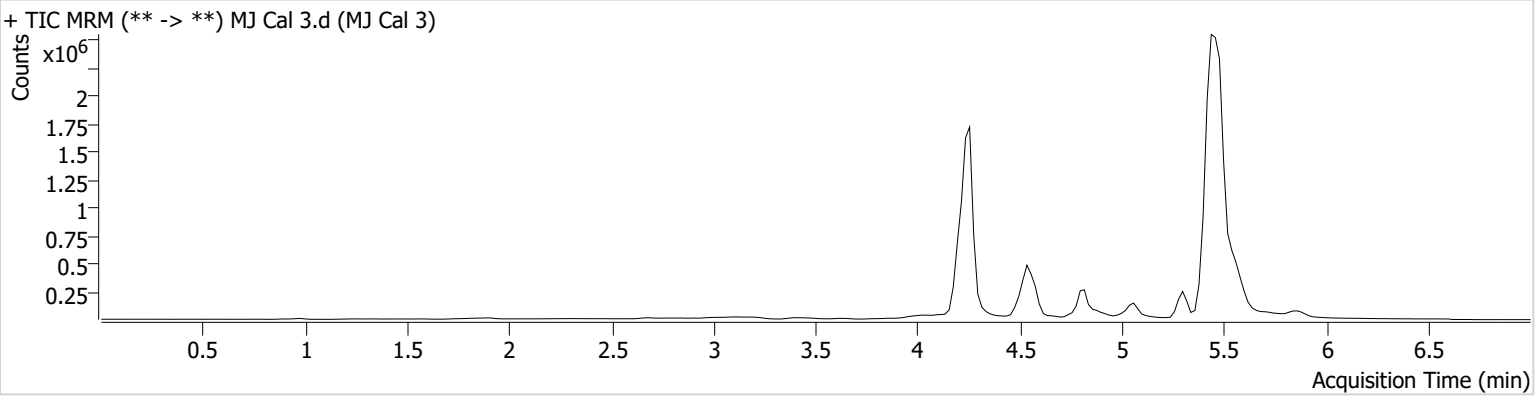
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	7961	658365	2.97 ng/ml **Low**
THC-COOH	4.576	170159	1303775	11.53 ng/ml
THC-OH	4.262	31673	6190090	2.90 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 11:42:09 AM		
Sample Info.			

Sample Chromatogram



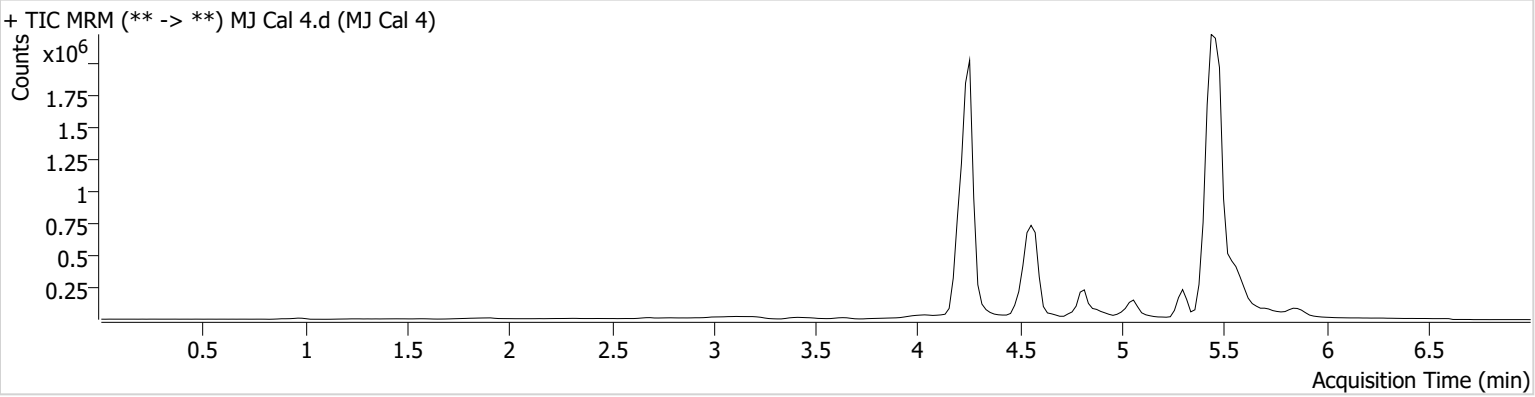
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	15932	767625	4.88 ng/ml
THC-COOH	4.576	356782	1324600	26.51 ng/ml
THC-OH	4.262	58787	6865822	4.73 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 11:49:44 AM		
Sample Info.			

Sample Chromatogram



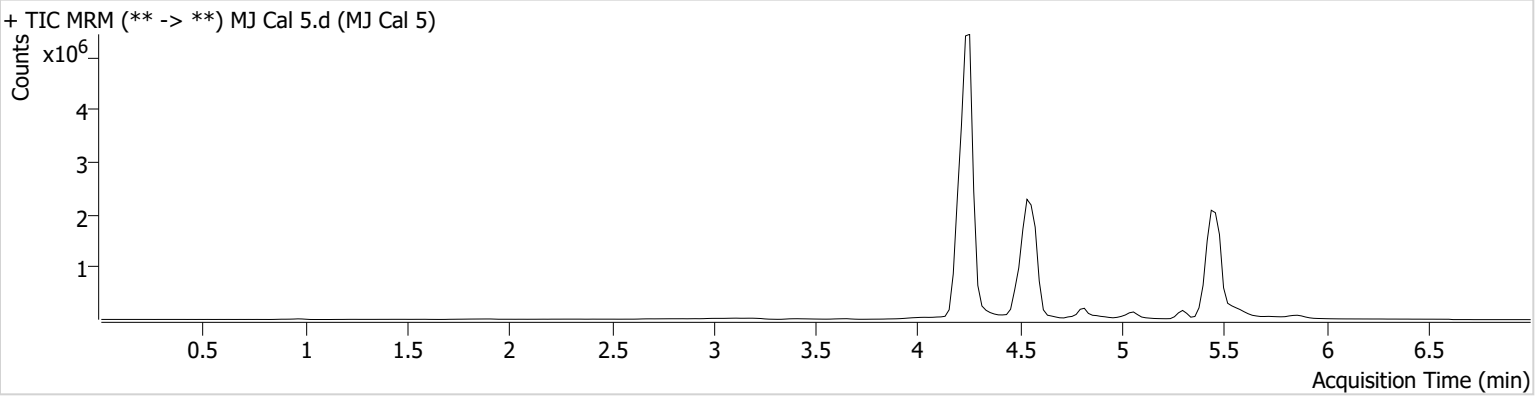
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	24188	562440	9.77 ng/ml
THC-COOH	4.576	928274	1322763	73.17 ng/ml
THC-OH	4.262	134570	7493813	9.72 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 11:57:20 AM		
Sample Info.			

Sample Chromatogram



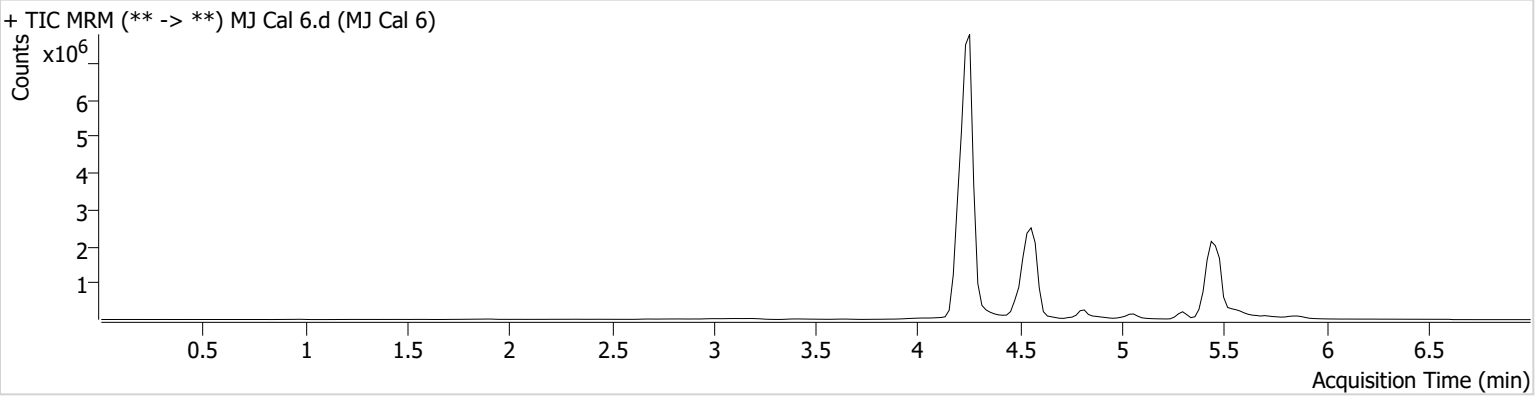
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	48393	429285	25.11 ng/ml
THC-COOH	4.556	2924884	4461085	68.19 ng/ml
THC-OH	4.262	818926	17943917	24.43 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 12:04:55 PM		
Sample Info.			

Sample Chromatogram



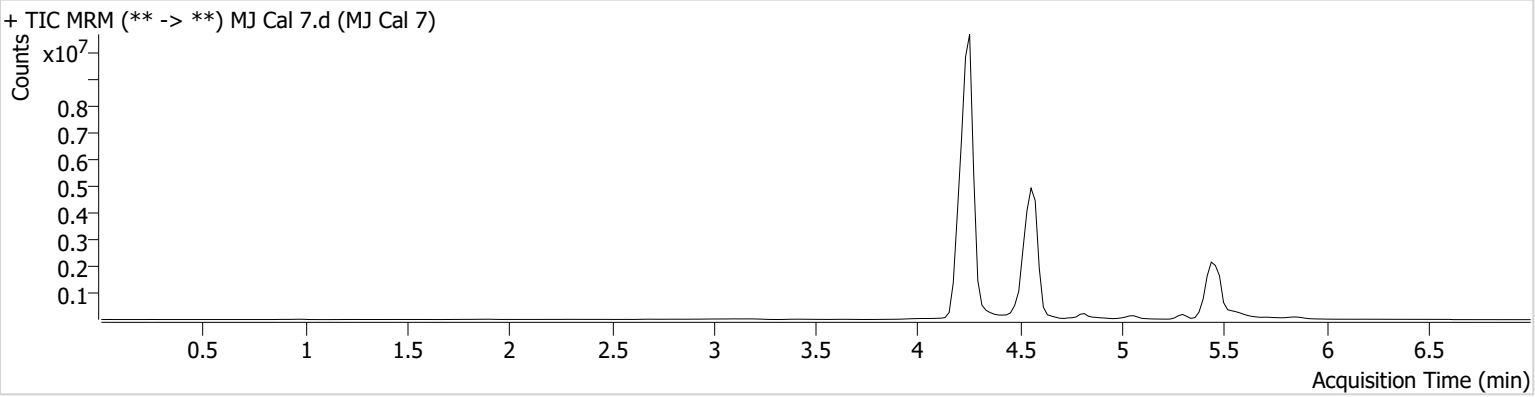
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	95406	432897	48.78 ng/ml
THC-COOH	4.556	3500870	3693088	99.73 ng/ml
THC-OH	4.262	1833692	19589265	49.90 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/25/2024 8:57:27 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	7/18/2024 12:12:30 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	164091	356937	101.42 ng/ml
THC-COOH	4.556	7607892	3215366	252.74 ng/ml
THC-OH	4.262	3362139	17681372	101.18 ng/ml