REVIEWED
By Tamara Salazar at 1:23 pm, Dec 09, 2024

12/9/2024

Worklist: 6990

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2024-2791	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-4559	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-4618	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-4632	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-4794	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-4836	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3219	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3320	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3325	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3345	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3366	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3370	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3375	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3463	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3463	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3464	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3465	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3470	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3471	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3475	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3491	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 6990

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2024-3526	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3540	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3562	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3563	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3564	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2024-3588	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: 12/05/2024
Analyst: Celena Shrum
Plate lot#: 240925
Plate Retest Date: 03/25/2025
Mobile phase A: 10mM Amm Form
Mobile phase B: 0.1% Formic Acid in MeOH
Instant Buffer I
Ethyl Acetate LC Methanol
Blank Blood Lot: Lampire 24C52817
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)
LCMS-QQQ ID: 069901
Blank Urine Lot: Blood Only Run

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☐ 2. Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
☒ 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: 42
☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate. Amount transferred: *250uL*
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right).***
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
☒ 16. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
☒ 17. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

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

COMMENTS:

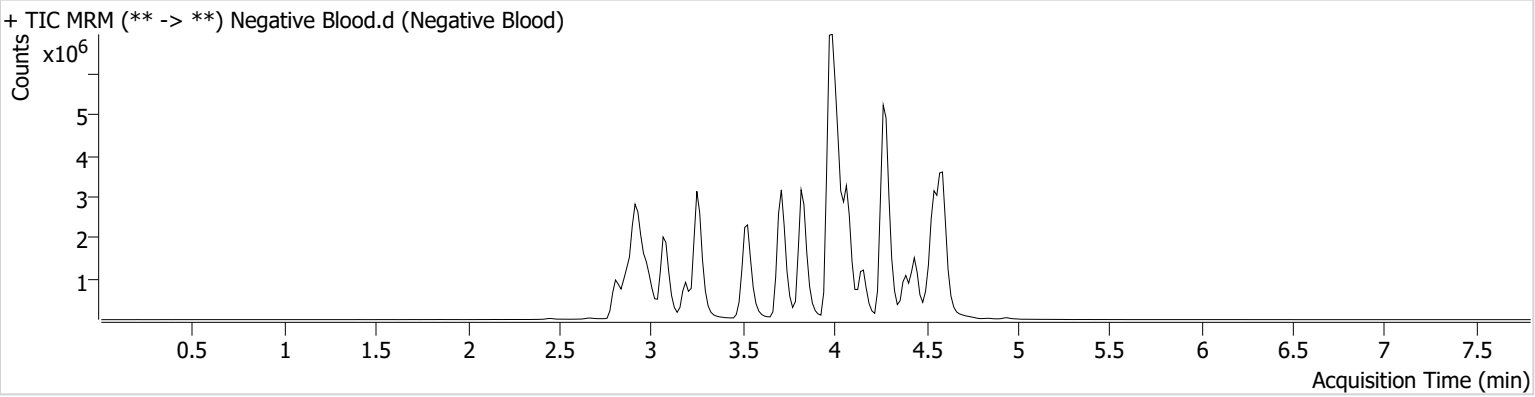
	1	2	3	4	5	6	7	8	9	10	11	12
A	CAL	M2024-4632-1	P2024-3370-1	P2024-3475-1								
B		M2024-4794-2	P2024-3375-1	P2024-3491-1								
C		M2024-4836-2	P2024-3463-1	P2024-3526-1								
D		P2024-3219-1	P2024-3463-2	P2024-3540-1								
E	NEG Control	P2024-3320-1	P2024-3464-1	P2024-3562-1								
F	M2024-2791-1	P2024-3325-1	P2024-3465-1	P2024-3563-1								
G	M2024-4559-1	P2024-3345-1	P2024-3470-1	P20245-3564-1								
H	M2024-4618-1	P2024-3366-1	P2024-3471-1	P2024-3588-1								

AM #25 Multi-Drug Screen. Results

Batch results	D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update	12/9/2024 12:05:11 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-E1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	12/5/2024 6:23:37 PM		
Sample Info.			

Sample Chromatogram



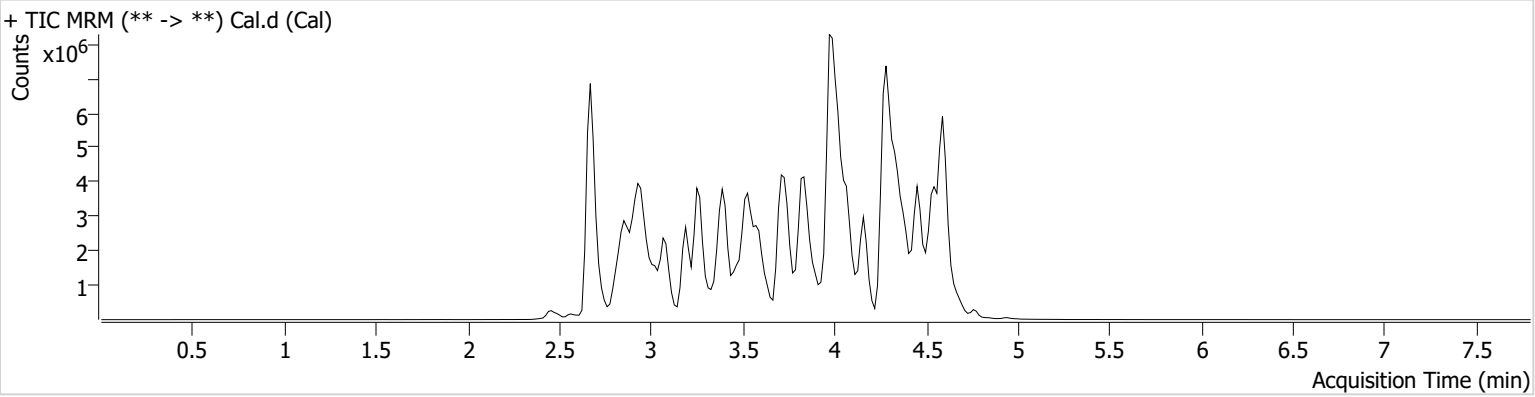
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 12/9/2024 12:05:11 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 25 MDS.m
Sample Position P2-A1
Injection Volume 5
Acq. Date-Time 12/5/2024 6:15:01 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	3.702	905708	182.43	387.29	4521894	10.0000
6-MAM	2.897	16619	4481.73	6247.62	442253	10.0000
7-aminoclonazepam	3.500	242431	1257.77	393.20	1123386	10.0000
7-aminoflunitrazepam	3.715	475478	12389.47	971.65	1123386	10.0000
9-Hydroxyrisperidone	3.831	2341569	2199.24	21626.42	9706712	10.0000
Acetyl Fentanyl	3.851	156939	287.74	47928.89	9073620	10.0000
Acetyl Norfentanyl	2.844	122683	1679.22	150.40	9073620	10.0000
a-hydroxyalprazolam	4.453	93457	1063.77	33261.06	1123386	10.0000
alpha-hydroxymidazolam	4.528	682171	616.23	518.39	1123386	10.0000
Alpha-PHP	3.812	1187402	12134.22	4936.43	9073620	10.0000
alpha-PVP	3.505	1177272	646.15	898.22	3059587	10.0000
Alprazolam	4.548	711683	703.02	851.49	3524729	10.0000
Amitriptyline	4.397	798149	136.86	308.34	2747847	10.0000
Amphetamine	2.848	1088726	4302.20	1248.96	3059587	10.0000
Benzoylecgonine	3.314	30469	171.75	57.47	147405	10.0000
Bromazolam	4.604	260730	1029.13	92778.95	3524729	10.0000
Brompheniramine	3.991	40313	450.94	346.21	18937350	10.0000
Buprenorphine	4.617	27797	329.93	1352.06	1135588	10.0000
Bupropion	3.750	1369396	6457.64	1271.25	4877578	10.0000
Carbamazepine	4.168	2534588	1220.08	1058.95	109163	10.0000
Carisoprodol	4.167	435339	125570.14	352.21	2363604	10.0000
Chlordiazepoxide	4.673	402431	3506.97	1073.50	3524729	10.0000
Chlorpheniramine	3.902	2342081	8086.55	117.47	3481651	10.0000
Chlorpromazine	4.592	841036	229092.70	1686.12	3847329	10.0000
Citalopram	4.020	996459	884.81	421.56	18937350	10.0000
Clomipramine	4.593	1250065	29747.51	4199.98	18937350	10.0000
Clonazepam	4.377	357102	590.81	48128.63	109163	10.0000
Clonazolam	4.296	343615	147285.44	51873.28	3524729	10.0000
Clozapine	4.282	1071651	1938.94	2529.34	4625008	10.0000
Cocaethylene	3.743	1224183	858030.88	1430.03	6467523	10.0000
Cocaine	3.529	1182907	2506.00	714.83	6467523	10.0000
Codeine	2.825	116518	1026.94	556.29	2756599	10.0000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cyclobenzaprine	4.305	1076395	286.63	61.79	2747847	10.0000
Desipramine	4.337	2275667	720.14	608.87	2747847	10.0000
Dextromethorphan	4.041	698684	1074.14	769.93	3481651	10.0000
Dextrorphan	3.332	892766	770.44	499.98	3481651	10.0000
Diazepam	4.766	285646	8635.10	∞	3524729	10.0000
Dihydrocodeine	2.732	347770	466.99	379.84	2756599	10.0000
Diphenhydramine	3.980	2609760	3090.06	1066.69	18937350	10.0000
DMT	2.922	111863	371.38	1591.44	3481651	10.0000
Doxepin	4.118	816950	664.76	155.59	7847647	10.0000
Doxylamine	3.593	2989192	210.63	1566.73	3481651	10.0000
Duloxetine	4.287	30488	14247.61	449.43	432078	10.0000
EDDP	4.009	168010	412.42	73.97	1004377	10.0000
Estazolam	4.457	1568956	1778.33	5865.40	3524729	10.0000
Etizolam	4.559	78550	39896.71	131214.03	3524729	10.0000
Fentanyl	4.081	128586	213.98	5366.63	7074673	10.0000
Flualprazolam	4.406	292444	149217.19	1017.07	3524729	10.0000
Flunitrazepam	4.485	734683	1664.80	203354.57	3524729	10.0000
Fluorofentanyl	4.126	195964	236.02	1023.08	7074673	10.0000
Fluoxetine	4.285	979712	1889.67	299.14	1909483	10.0000
Flurazepam	4.156	1055954	509.65	365.81	3524729	10.0000
Gabapentin	2.405	6865	56.51	23.13	4625008	10.0000
Hydrocodone	3.008	494780	1659.82	656.82	2756599	10.0000
Hydromorphone	2.612	175434	841.77	358.24	2756599	10.0000
Hydroxyzine	4.465	1284150	1501.06	1763.73	4625008	10.0000
Imipramine	4.350	2479542	2015.47	547.46	2747847	10.0000
Ketamine	3.535	785429	2142.44	146.98	3380719	10.0000
Lamotrigine	3.548	735260	15320.82	15529.95	18937350	10.0000
Levamisole	2.967	875047	940.51	300.33	6467523	10.0000
Levetiracetam	2.573	286680	851.33	360.06	18937350	10.0000
Lorazepam	4.376	123487	385.50	13.30	3524729	10.0000
Maprotiline	4.398	613835	226.93	1734.02	2747847	10.0000
MDA	2.953	786338	792.33	547.16	7717400	10.0000
MDEA	3.182	1324195	485.93	304.76	7717400	10.0000
MDMA	3.029	1676396	480053.23	1040.07	7717400	10.0000
Meperidine	3.564	854947	2554.40	991.74	3481651	10.0000
Meprobamate	3.613	285313	1297.82	193.88	2363604	10.0000
Methadone	4.332	2226832	846.11	229.35	1004377	10.0000
Methamphetamine	2.955	3173414	36152.17	282.20	7717400	10.0000
Methocarbamol	3.519	112856	1749.79	91.61	1004377	10.0000
Methylphenidate	3.473	2986520	34.28	31.38	6166139	10.0000
Metoprolol	3.378	259192	241.85	212243.52	3481651	10.0000
Midazolam	4.683	259322	83379.06	76294.42	3524729	10.0000
Mirtazapine	3.949	1132284	4003.34	2017.19	3481651	10.0000
Mitragynine	4.156	199129	144368.51	132086.11	3481651	10.0000
Morphine	2.491	77655	306.50	174.28	66102	10.0000
Norbuprenorphine	3.801	31723	15120.38	19018.35	1135588	10.0000
Nordiazepam	4.629	457213	1346.50	810.52	3524729	10.0000
Norfentanyl	3.273	2140287	5358.88	1972.16	9073620	10.0000
Norhydrocodone	2.887	18050	1803.82	4069.86	2756599	10.0000
Norketamine	3.643	259563	1040.37	9207.57	3380719	10.0000
Normeperidine	3.550	627676	838.81	424.16	18937350	10.0000
Noroxycodone	2.824	378545	100.34	108.15	3380719	10.0000
Nortriptyline	4.368	727388	2443236.93	885.45	2747847	10.0000
O-desmethyl-tramadol	2.858	2337269	20316.08	404.28	18937350	10.0000
O-desmethylvenlafaxine	3.193	553730	871.44	22674.84	2386387	10.0000
Olanzapine	3.806	257326	200430.94	334.68	109163	10.0000
Oxazepam	4.457	662353	1680.39	581.21	3395871	10.0000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Oxycodone	2.883	751533	545.42	1403.07	3380719	10.0000
Oxymorphone	2.457	622370	∞	6417.14	2756599	10.0000
Paroxetine	4.298	166930	220.30	42394.07	1909483	10.0000
Phenazepam	4.574	417742	158790.53	3337.63	3524729	10.0000
Phencyclidine	3.874	1920359	23992.66	144.86	3481651	10.0000
Phentermine	3.108	609108	137.73	56.16	6166139	10.0000
Phenytoin	4.075	201575	1187.04	2978.42	109163	10.0000
Primidone	3.413	3264820	1898656.63	1269.43	109163	10.0000
Promethazine	4.303	2483390	1009.23	861.45	18937350	10.0000
Pseudoephedrine	2.679	19755809	31814.87	925.57	7717400	10.0000
Quetiapine	4.449	1440489	7446.86	399637.70	11394173	10.0000
Risperidone	4.032	2001138	11135.69	235.78	9706712	10.0000
Sertraline	4.517	421780	7775.92	1799.38	1909483	10.0000
Sufentanil	4.434	98414	4789.63	268.67	9073620	10.0000
Tapentadol	3.397	1454403	1870.56	394.65	3380719	10.0000
Temazepam	4.611	884044	892.80	112.25	3524729	10.0000
Topiramate	3.788	187678	381.45	60913.15	95357	10.0000
Tramadol	3.378	4612578	118.32	79.45	18937350	10.0000
Trazodone	4.588	1835479	905145.43	5151.55	7847647	10.0000
Venlafaxine	3.747	2014940	2376.36	332.86	2386387	10.0000
Xylazine	3.351	796845	1556.35	221.34	3380719	10.0000
Zaleplon	4.271	484238	413.20	1313.09	11394173	10.0000
Zolpidem	4.286	2340773	984501.78	4838.84	11394173	10.0000
Zopiclone	4.156	84324	38686.44	2594.36	476054	10.0000

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

Extraction Date: 12/05/2024
Plate lot#: 240919
Mobile phase A: 10mM Amm Form
Blank Blood Lot: Lampire 24C52817
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 03/19/2025
Mobile phase B: 0.1% Formic Acid in MeOH
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)
Blank Urine Lot: Blood Only Run

Pre-Analytic:

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

Analytic:

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

Post-Analytic

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

COMMENTS:

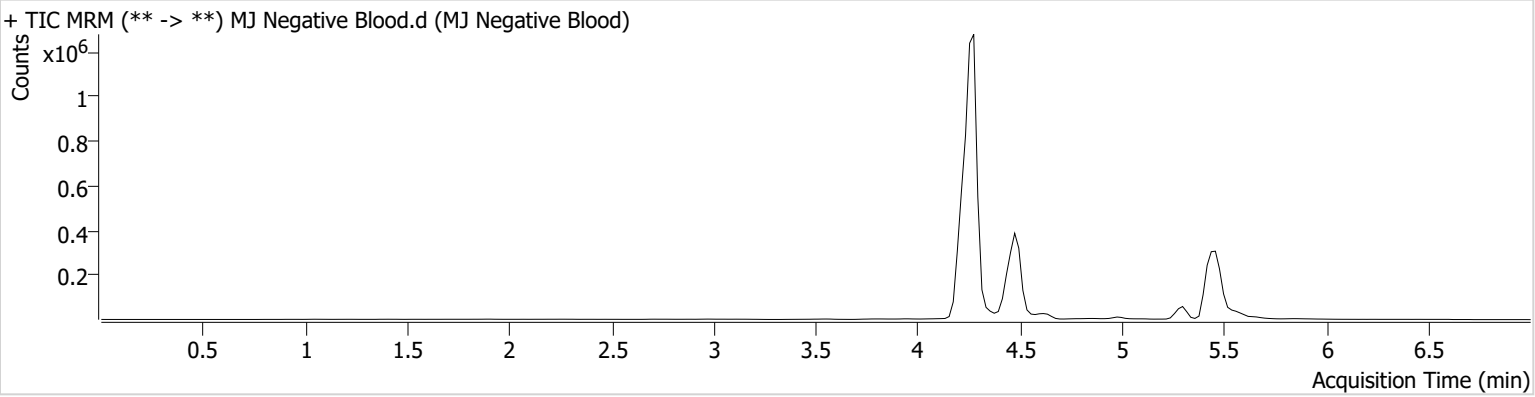
	1	2	3	4	5	6
a	cal 1ng	QC1	M2024-4836-2	P2024-3463-1	P2024-3526-1	
b	cal 3 ng	QC2	P2024-3219-1	P2024-3463-2	P2024-3540-1	
c	cal 5 ng	NEG Control	P2024-3320-1	P2024-3464-1	P2024-3562-1	
d	cal 10ng	M2024-2791-1	P2024-3325-1	P2024-3465-1	P2024-3563-1	
e	cal 25 ng	M2024-4559-1	P2024-3345-1	P2024-3470-1	P20245-3564-1	
f	cal 50 ng	M2024-4618-1	P2024-3366-1	P2024-3471-1	P2024-3588-1	
g	cal 100 ng	M2024-4632-1	P2024-3370-1	P2024-3475-1		
h	QC 1	M2024-4794-2	P2024-3375-1	P2024-3491-1		

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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-C2	**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	12/5/2024 2:08:21 PM		
Sample Info.			

Sample Chromatogram

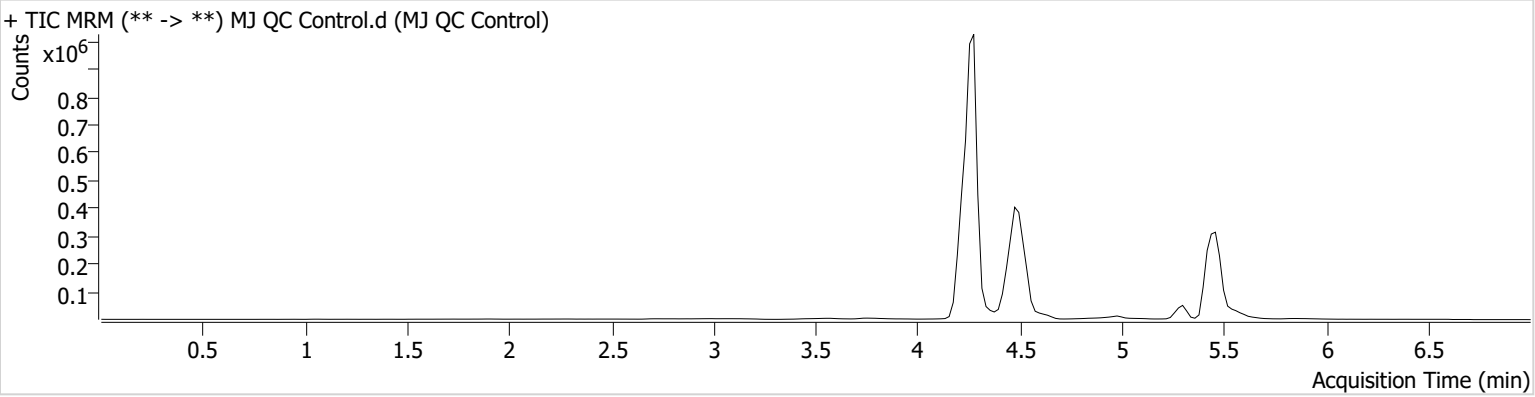


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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	12/5/2024 1:53:10 PM		
Sample Info.			

Sample Chromatogram



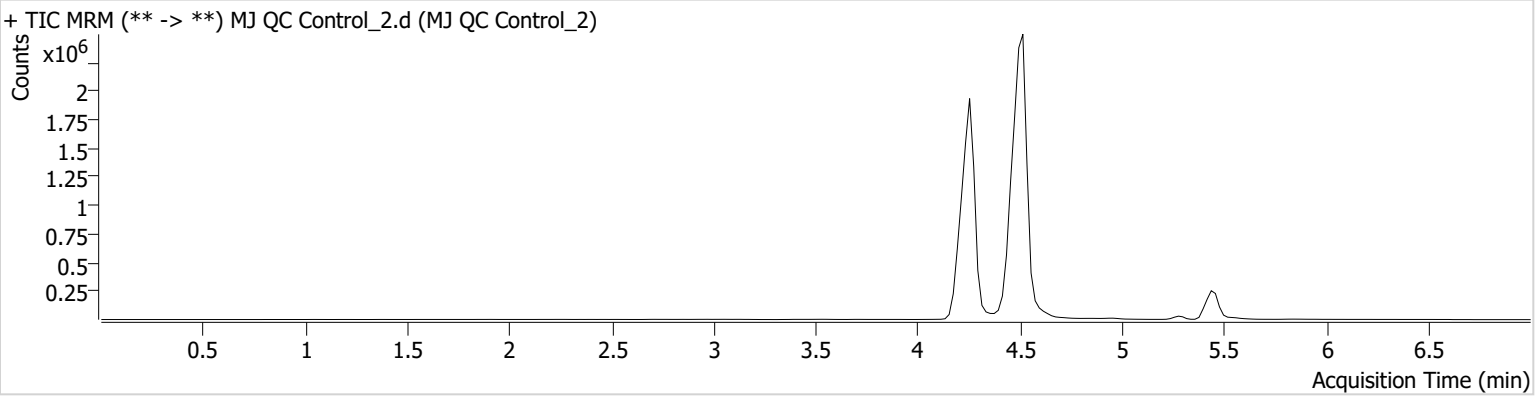
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	2745	68042	5.05 ng/ml
THC-COOH	4.516	304723	1451660	14.92 ng/ml
THC-OH	4.282	52944	4248488	5.27 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 AM

Instrument	Falco (069901)	**Data File**	MJ QC Control_2.d
Type	QC	**Sample**	MJ QC Control_2
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	12/5/2024 5:40:24 PM		
Sample Info.			

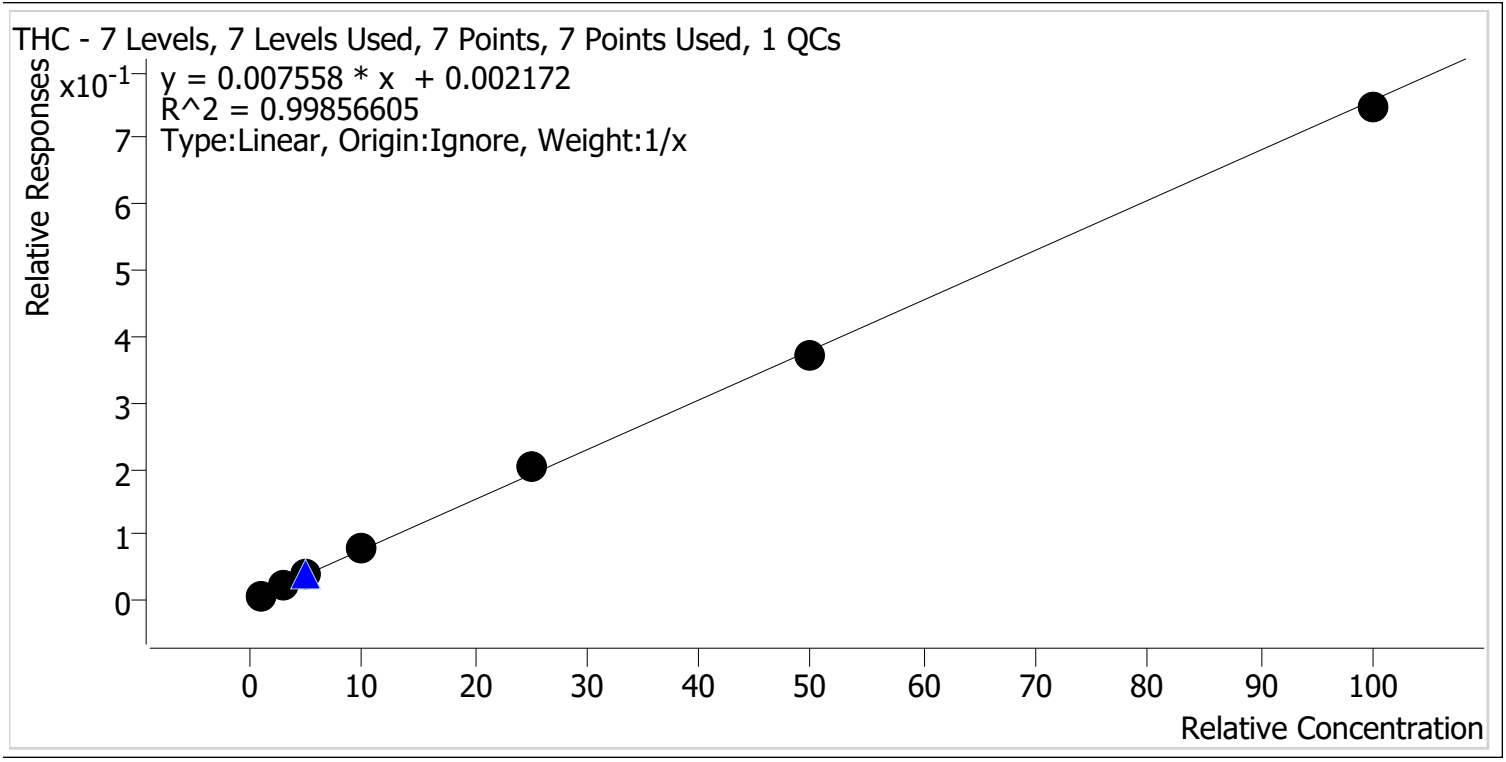
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.469	32440	38332	111.69 ng/ml
THC-COOH	4.516	4474447	1207299	267.69 ng/ml
THC-OH	4.262	707285	3155951	92.57 ng/ml

AM #26 Cannabinoids Screen Calibration Curve Report

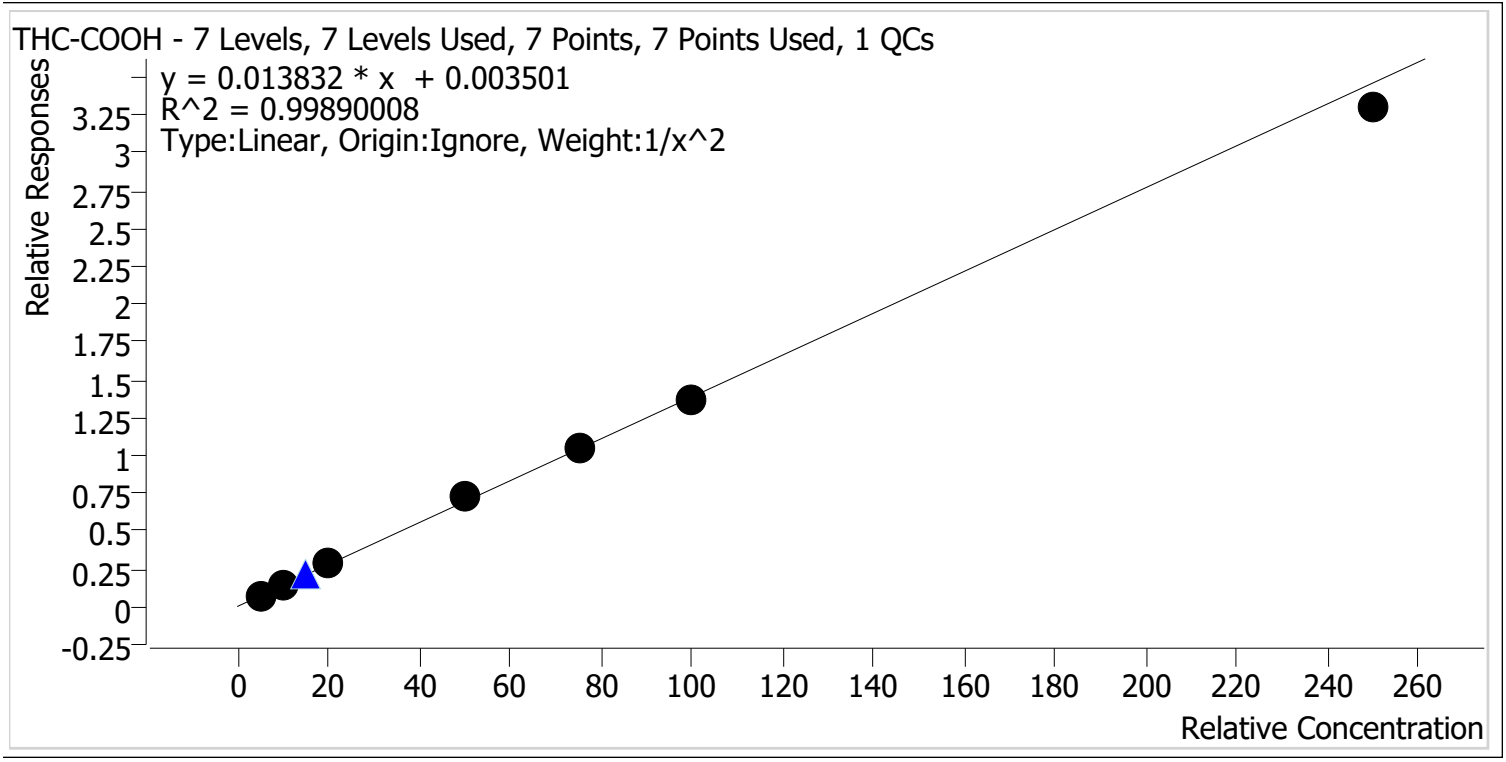
Batch results	D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	12/6/2024 6:56 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	0.8	80.4
MJ Cal 2	2	✔	3.0	3.2	105.6
MJ Cal 3	3	✔	5.0	5.3	105.9
MJ Cal 4	4	✔	10.0	10.5	104.7
MJ Cal 5	5	✔	25.0	26.7	106.6
MJ Cal 6	6	✔	50.0	49.1	98.2
MJ Cal 7	7	✔	100.0	98.5	98.5

AM #26 Cannabinoids Screen Calibration Curve Report

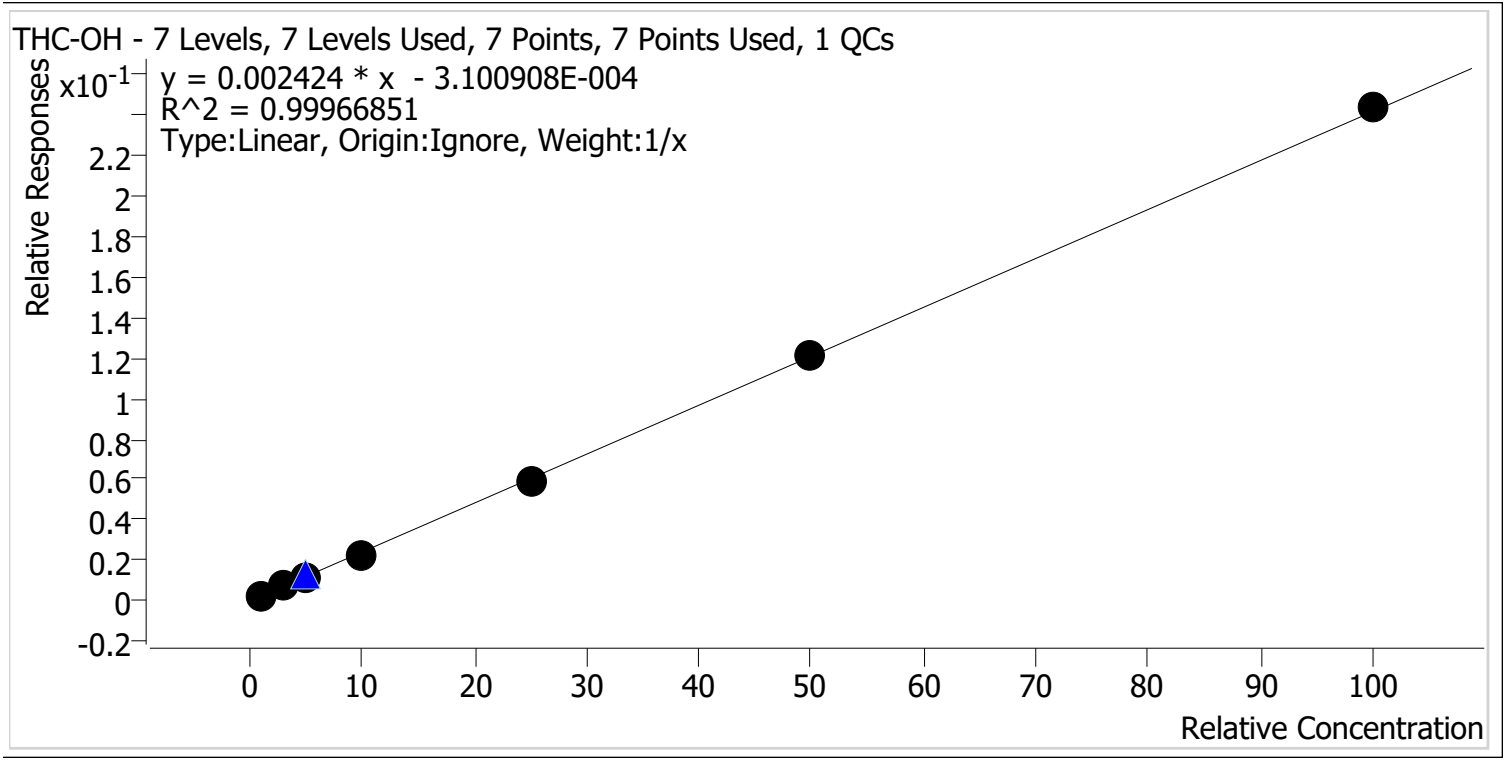
Batch results	D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	12/6/2024 6:56 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	5.0	4.9	98.5
MJ Cal 2	2	✔	10.0	10.2	102.3
MJ Cal 3	3	✔	20.0	20.1	100.3
MJ Cal 4	4	✔	50.0	51.8	103.5
MJ Cal 5	5	✔	75.0	75.8	101.1
MJ Cal 6	6	✔	100.0	99.0	99.0
MJ Cal 7	7	✔	250.0	238.2	95.3

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update	12/6/2024 6:56 AM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-D3



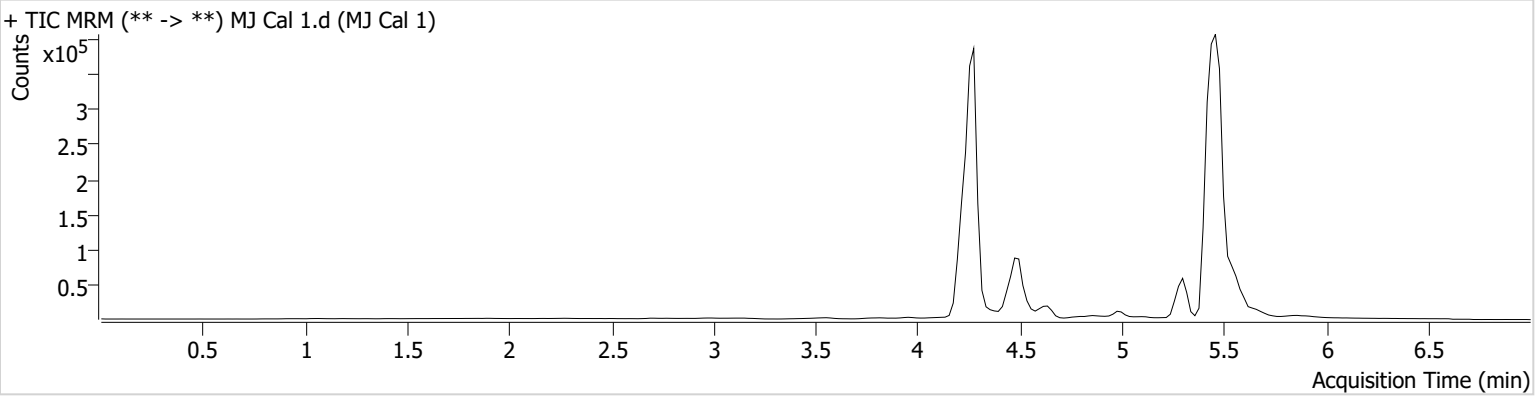
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.1	107.2
MJ Cal 2	2	✔	3.0	3.1	102.6
MJ Cal 3	3	✔	5.0	4.8	95.7
MJ Cal 4	4	✔	10.0	9.5	94.5
MJ Cal 5	5	✔	25.0	24.8	99.1
MJ Cal 6	6	✔	50.0	50.1	100.1
MJ Cal 7	7	✔	100.0	100.8	100.8

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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	12/5/2024 12:59:57 PM		
Sample Info.			

Sample Chromatogram



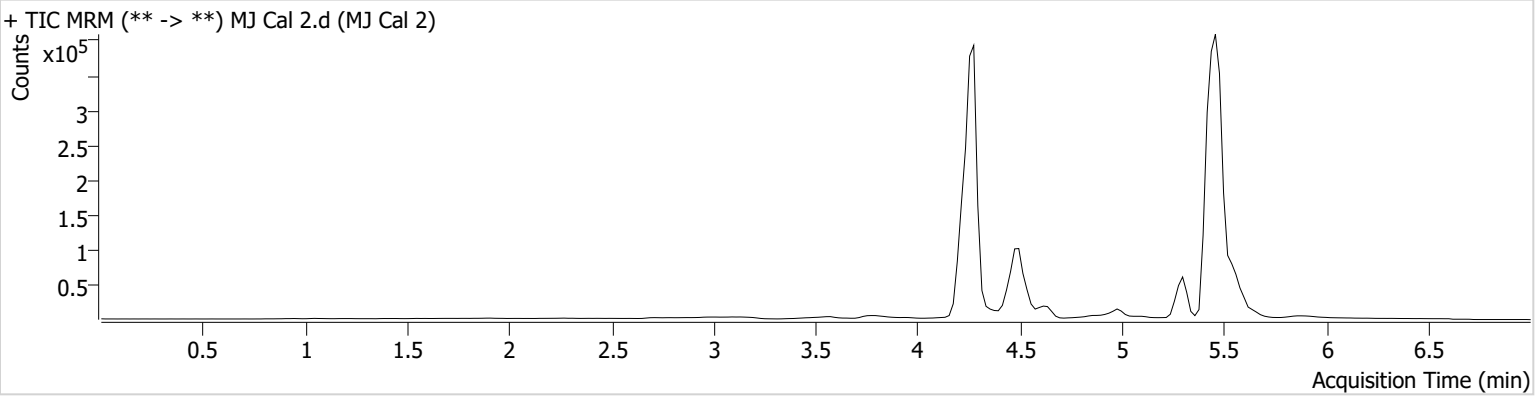
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	826	100137	0.80 ng/ml **Low**
THC-COOH	4.516	25900	361611	4.93 ng/ml **Low**
THC-OH	4.282	4002	1748633	1.07 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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	12/5/2024 1:07:42 PM		
Sample Info.			

Sample Chromatogram



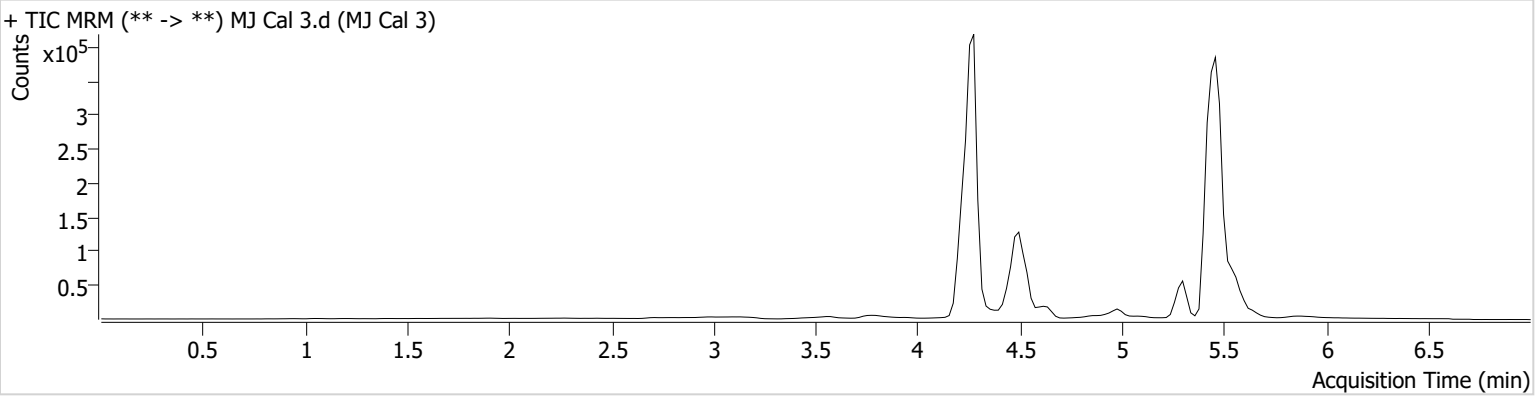
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	2499	95684	3.17 ng/ml
THC-COOH	4.516	55418	382301	10.23 ng/ml
THC-OH	4.282	11848	1656851	3.08 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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	12/5/2024 1:15:16 PM		
Sample Info.			

Sample Chromatogram



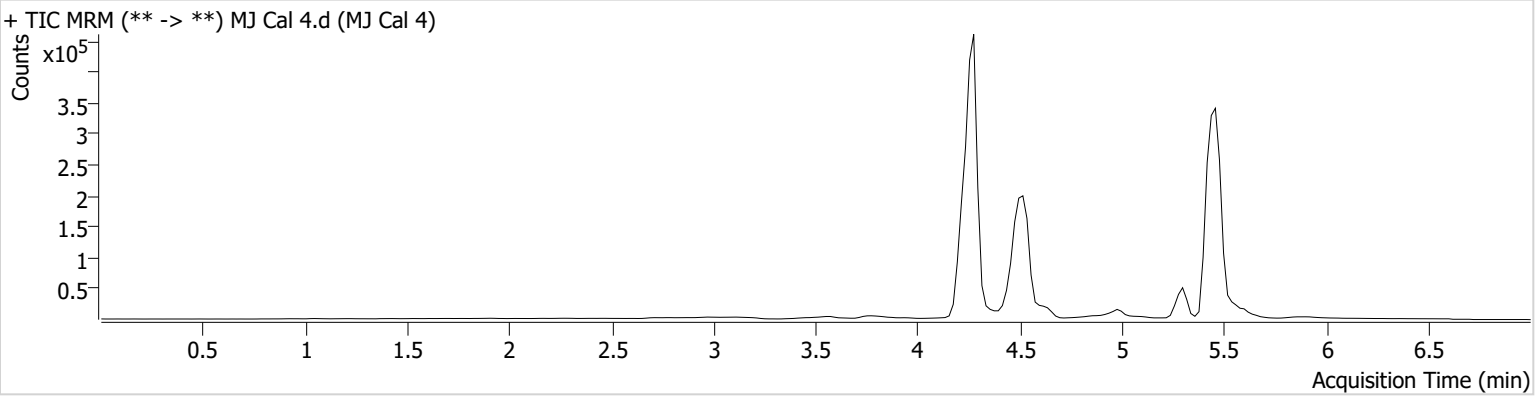
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	4247	100628	5.30 ng/ml
THC-COOH	4.516	110486	393146	20.06 ng/ml
THC-OH	4.282	20016	1773124	4.78 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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	12/5/2024 1:22:53 PM		
Sample Info.			

Sample Chromatogram



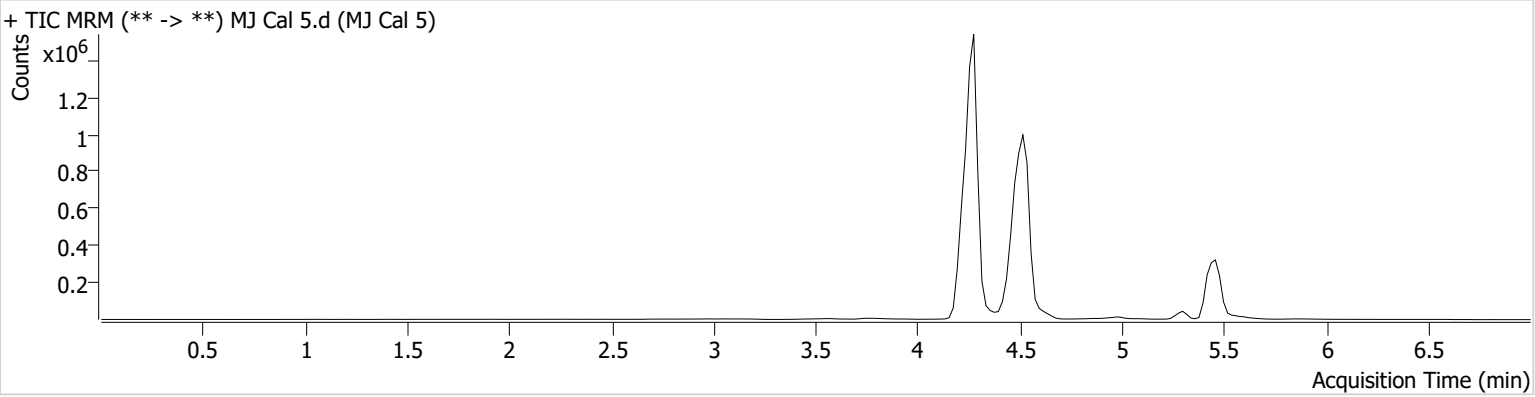
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	6108	75103	10.47 ng/ml
THC-COOH	4.516	282020	391934	51.77 ng/ml
THC-OH	4.282	39434	1744854	9.45 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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	12/5/2024 1:30:28 PM		
Sample Info.			

Sample Chromatogram



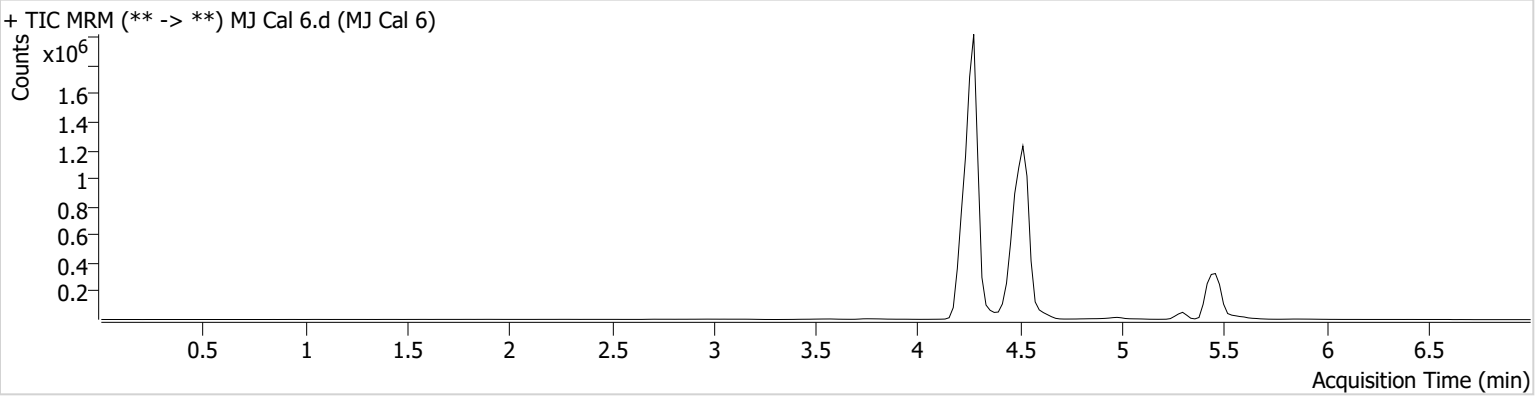
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	14174	69592	26.66 ng/ml
THC-COOH	4.516	1598492	1519774	75.79 ng/ml
THC-OH	4.282	278952	4667816	24.78 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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	12/5/2024 1:38:02 PM		
Sample Info.			

Sample Chromatogram



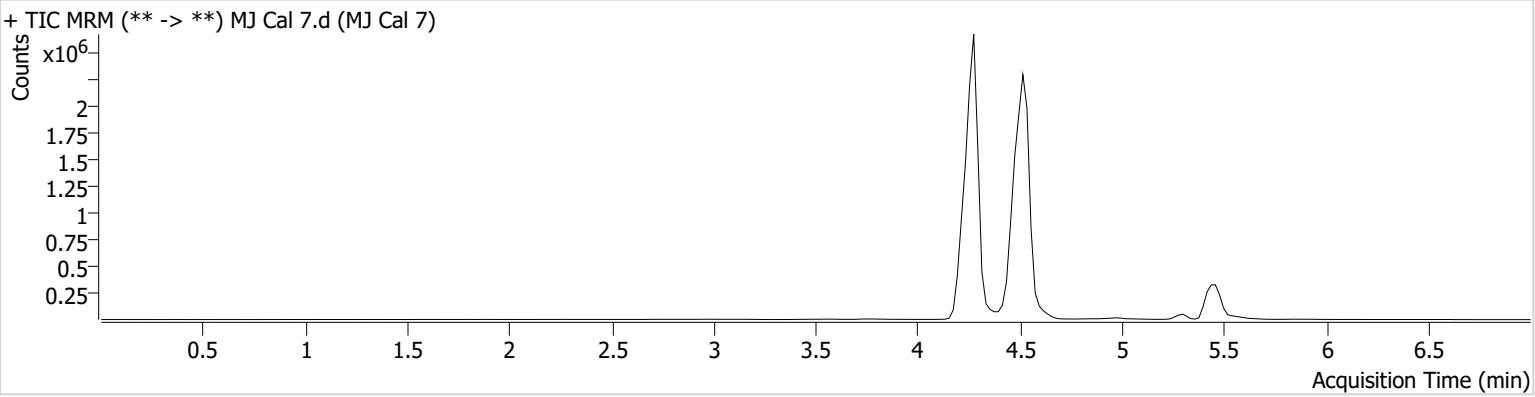
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	26486	70968	49.09 ng/ml
THC-COOH	4.516	2062158	1501368	99.05 ng/ml
THC-OH	4.282	560641	4631601	50.06 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\AM 25 26\120524 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/6/2024 6:56:18 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	12/5/2024 1:45:36 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	54267	72683	98.50 ng/ml
THC-COOH	4.516	4323771	1311076	238.17 ng/ml
THC-OH	4.282	988605	4051631	100.78 ng/ml