REVIEWED
By Sarah Collins at 9:47 am, May 05, 2023

TS 4/26/2023

Worklist: 6348

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-1324	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-1331	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-1414	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-1418	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-1457	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-1459	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-1465	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-0934	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-0939	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-0951	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1022	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1040	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1041	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1046	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1048	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1049	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1052	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1066	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1077	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1086	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1087	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 6348

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LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2023-1088	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1089	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1092	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1093	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1099	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1133	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1134	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-1179	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

TS

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

Extraction Date: 04/27/2023 Analyst: Tamara Salazar
Plate lot#: 230119 Plate Retest Date: 07-19-23
Mobile phase A: 10mM Amm Form in LCMS Water Mobile phase B: 0.1% Formic Acid in MeOH
Blank Blood Lot: Lampire 23A52593 Blank Urine Lot: n/a
LCMS-QQQ ID: 069901 Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☐ 2. Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
☒ 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate.
Pipette ID: 42
☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.
Amount transferred: *300uL*
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right).
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
☒ 16. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
☒ 17. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

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

COMMENTS: Extraction was performed on 04/27/23, however, due to the analytical instrument requiring maintenance, the plates could not be analyzed on the same day. The sealed plates were stored in the freezer and ran on 04/28/23.

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	M2023-1459-2	P2023-1046-1	P2023-1088-3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
B	IS + Cal. 1	M2023-1465-1	P2023-1048-1	P2023-1089-2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
C	Neg Blood	P2023-0934-1	P2023-1049-1	P2023-1092-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
D	M2023-1324-1	P2023-0939-2	P2023-1052-1	P2023-1093-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
E	M2023-1331-1	P2023-0951-1	P2023-1066-3	P2023-1099-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
F	M2023-1414-1	P2023-1022-1	P2023-1077-1	P2023-1133-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
G	M2023-1418-1	P2023-1040-1	P2023-1086-1	P2023-1134-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1
H	M2023-1457-2	P2023-1041-1	P2023-1087-1	P2023-1179-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1

All wells to contain 60 µl of residual DMSO

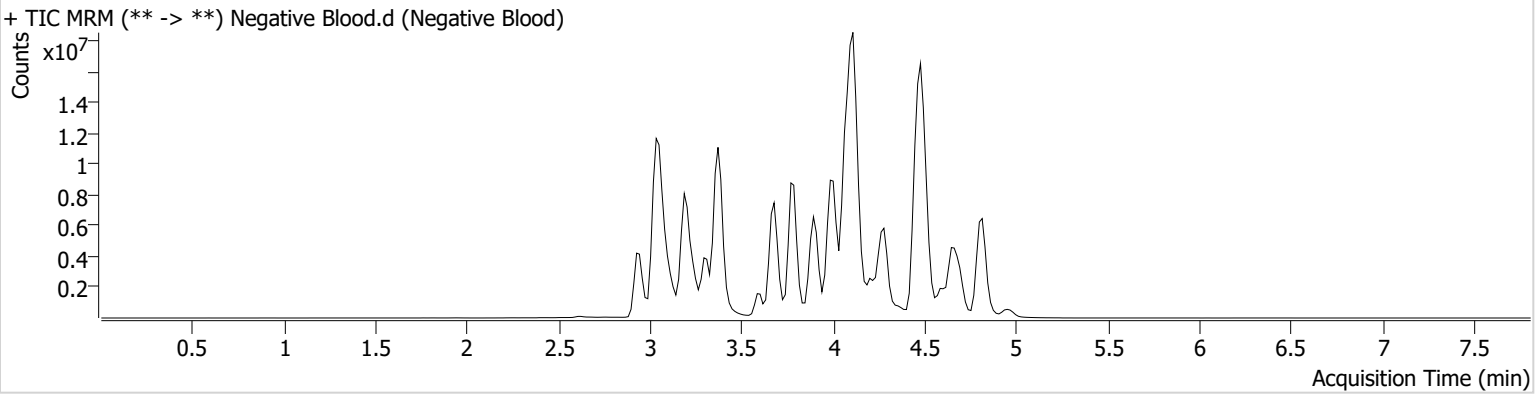
TS

AM #25 Multi-Drug Screen Results

Batch results	G:\TOX\Pocatello\Falco\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update	5/1/2023 12:30:16 PM

Instrument	Falco (069901)	**Data File**	Negative Blood.d
Type	Sample	**Sample**	Negative Blood
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-C1	**Comment**	
Injection Volume	5		
Acq. Date-Time	4/28/2023 4:09:26 PM		
Sample Info.			

Sample Chromatogram



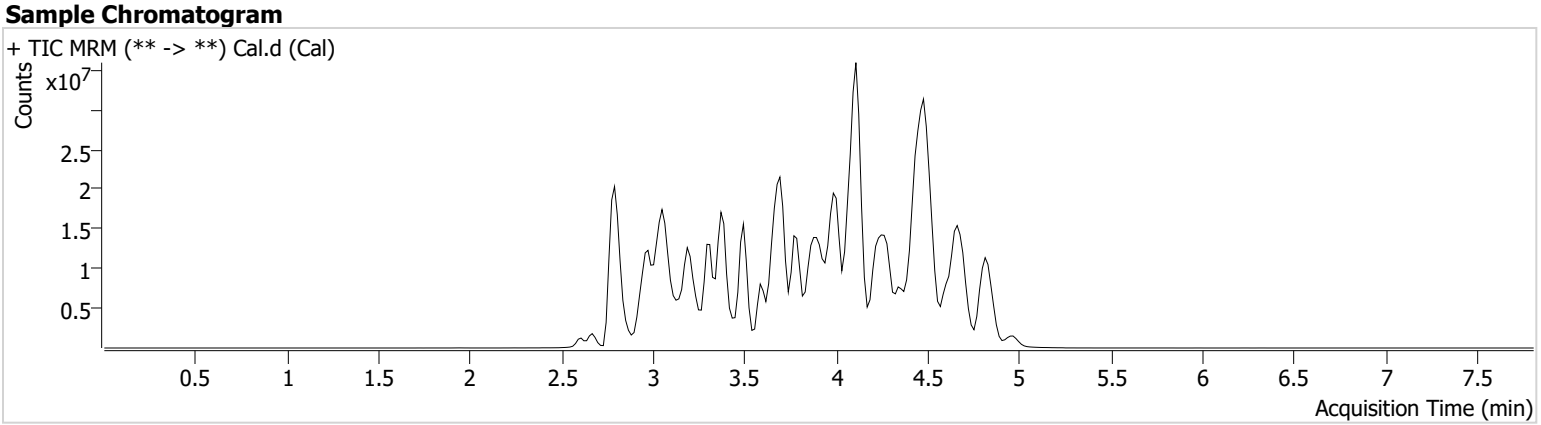
TS

AM #25 Multi-Drug Screen Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 5/1/2023 12:30:16 PM

Instrument	Falco (069901)	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-B1	**Comment**	
Injection Volume	5		
Acq. Date-Time	4/28/2023 4:00:43 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.778	5372742	176.67	713.81	31005342	10.0000
6-MAM	3.140	89258	46433.40	36165.58	1488246	10.0000
7-aminoclonazepam	3.605	1307407	288.07	980.99	4743821	10.0000
7-aminoflunitrazepam	3.805	2714477	1383.53	122.53	4743821	10.0000
9-Hydroxyrisperidone	4.013	12648734	454.99	168465.92	41370865	10.0000
Acetyl Fentanyl	4.064	551790	873.87	169830.11	41296311	10.0000
Acetyl Norfentanyl	2.965	686677	263.87	862.09	41296311	10.0000
a-hydroxyalprazolam	4.510	207816	227.24	106.98	4743821	10.0000
alpha-hydroxymidazolam	4.585	2972049	799.05	774.26	4743821	10.0000
Alpha-PHP	3.948	6030825	34048.54	1482.82	41296311	10.0000
alpha-PVP	3.687	8704758	11536.96	576.36	15901723	10.0000
Alprazolam	4.620	3080974	220.72	460.85	21269852	10.0000
Amitriptyline	4.501	2458711	196.06	3376.57	7335041	10.0000
Amphetamine	2.969	6044593	1943.16	664.10	15901723	10.0000
Benzoylecgonine	3.405	438231	323.63	1064.05	540225	10.0000
Brompheniramine	4.095	108127	1106.18	277.76	58637090	10.0000
Buprenorphine	4.979	1288628	378206.94	75537.15	4035038	10.0000
Bupropion	3.933	7533784	573.77	629.80	27671551	10.0000
Carbamazepine	4.242	13990912	∞	854.86	381045	10.0000
Carisoprodol	4.225	1385794	1043.32	193.57	7131829	10.0000
Chlordiazepoxide	4.729	1845481	637.37	1052.92	21269852	10.0000
Chlorpheniramine	4.007	9765783	838.14	1203.75	15598437	10.0000
Chlorpromazine	4.695	2906876	250.41	226.08	11976720	10.0000
Citalopram	4.110	4165183	392.25	456.25	58637090	10.0000
Clomipramine	4.696	3971924	17726.49	11842.99	58637090	10.0000
Clonazepam	4.434	1153233	∞	685.33	381045	10.0000
Clonazolam	4.369	1589682	502914.73	330673.19	21269852	10.0000
Clozapine	4.509	7229159	541.11	576.74	26366168	10.0000
Cocaethylene	3.879	7544044	3943.69	3550573.96	29090260	10.0000
Cocaine	3.681	6828110	4749753.59	832.41	29090260	10.0000
Codeine	3.113	550923	234.67	334.73	12091755	10.0000
Cyclobenzaprine	4.409	4281659	160.66	143.29	7335041	10.0000
Desipramine	4.410	8186153	1524.34	404.73	7335041	10.0000
Dextromethorphan	4.131	3418689	1049.99	321.74	15598437	10.0000

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AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextrorphan	3.454	4240692	952.23	463.97	15598437	10.0000
Diazepam	4.838	1343053	439.97	803.50	21269852	10.0000
Dihydrocodeine	2.959	1833911	623.03	481.35	12091755	10.0000
Diphenhydramine	4.086	14579627	630676.24	790.49	58637090	10.0000
DMT	3.059	203958	1327.29	1126.54	15598437	10.0000
Doxepin	4.223	3270159	361.36	491.99	35189459	10.0000
Doxylamine	3.714	17120008	12343.35	48892.31	15598437	10.0000
Duloxetine	4.360	115854	82752.75	6913.15	1385872	10.0000
EDDP	4.115	2369921	486.54	2435.18	5059103	10.0000
Estazolam	4.529	8678626	1339.44	11792.78	21269852	10.0000
Etizolam	4.631	471626	329196.11	1167881.48	21269852	10.0000
Fentanyl	4.278	435416	238.50	71151.11	28592806	10.0000
Flualprazolam	4.478	547937	247825.29	1285.18	21269852	10.0000
Flunitrazepam	4.558	2068375	992.94	592.58	21269852	10.0000
Fluorofentanyl	4.323	958413	345208.13	1671.32	28592806	10.0000
Fluoxetine	4.359	3681067	655.23	44.88	4919205	10.0000
Flurazepam	4.352	3940579	1467354.64	291434.30	21269852	10.0000
Hydrocodone	3.266	2455585	838.16	1074.96	12091755	10.0000
Hydromorphone	2.840	1420407	685.75	278.59	313926	10.0000
Hydroxyzine	4.614	3479762	1042.00	735.04	26366168	10.0000
Imipramine	4.438	7246874	18962.75	836.07	7335041	10.0000
Ketamine	3.856	5813628	1454.90	69.01	13758658	10.0000
Lamotrigine	3.669	523288	1584.52	487058.82	58637090	10.0000
Levamisole	3.212	5450478	7318.55	718.22	29090260	10.0000
Levetiracetam	2.677	1589847	453.54	1069.18	58637090	10.0000
Lorazepam	4.434	466774	478.20	110.89	21269852	10.0000
Maprotiline	4.501	1194206	13.95	116.59	7335041	10.0000
MDA	3.074	2770001	285.97	711.68	42168145	10.0000
MDEA	3.304	5824817	16620.65	255.83	42168145	10.0000
MDMA	3.150	7379678	2482.09	1015.32	42168145	10.0000
Meperidine	3.716	4629540	187.99	1492.68	15598437	10.0000
Meprobamate	3.688	830029	3074.59	203985.15	7131829	10.0000
Methadone	4.435	10921857	35625.26	9965.64	5059103	10.0000
Methamphetamine	3.076	8288700	2353.49	113.16	42168145	10.0000
Methocarbamol	3.594	865513	191.00	103.95	5059103	10.0000
Methylphenidate	3.594	14253965	3389.70	432.03	25116107	10.0000
Metoprolol	3.499	1097778	279.66	8482.38	15598437	10.0000
Midazolam	4.771	977318	842.97	587.30	21269852	10.0000
Mirtazapine	4.287	6182115	907.09	3500258.47	15598437	10.0000
Mitragynine	4.337	814948	269762.92	342331.22	15598437	10.0000
Morphine	2.673	256025	432.96	1227.42	313926	10.0000
Norbuprenorphine	3.890	110463	73125.66	167477.41	4035038	10.0000
Nordiazepam	4.701	1542691	1754666.07	328.72	21269852	10.0000
Norfentanyl	3.395	12126835	11356.44	1296.48	41296311	10.0000
Norhydrocodone	3.007	185930	264.62	∞	313926	10.0000
Norketamine	3.949	1253869	793.09	3146.07	13758658	10.0000
Normeperidine	3.656	10707656	1312.57	953.73	58637090	10.0000
Noroxycodone	2.960	2209432	63.62	204.02	13758658	10.0000
Nortriptyline	4.441	1988080	522.51	927.60	7335041	10.0000
O-desmethyl-tramadol	2.994	12615308	945.60	150.58	58637090	10.0000
O-desmethylvenlafaxine	3.314	2566108	909.26	21616.32	13844990	10.0000
Olanzapine	4.003	2058822	2072.61	81703.56	381045	10.0000
Oxazepam	4.515	2006016	1143.41	198.33	9846801	10.0000
Oxycodone	3.096	4138430	810.33	768.57	13758658	10.0000
Oxymorphone	2.609	3272382	266.40	383.24	313926	10.0000
Paroxetine	4.371	459163	193.00	266.27	4919205	10.0000
Phenazepam	4.630	1557332	1303.46	815.58	21269852	10.0000
Phencyclidine	3.978	9118624	586.52	1286.23	15598437	10.0000
Phentermine	3.214	2420185	98.00	64.67	25116107	10.0000
Phenytoin	4.133	711509	292.96	4792.60	381045	10.0000

Cal

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AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Primidone	3.488	3306628	1329.47	367.49	381045	10.0000
Promethazine	4.438	10664491	460.06	119.74	58637090	10.0000
Pseudoephedrine	2.800	63045716	3246.73	132143.72	42168145	10.0000
Quetiapine	4.675	6805895	8158824.18	456.61	46696854	10.0000
Risperidone	4.213	9936849	56943.27	267.62	41370865	10.0000
Sertraline	4.605	1139238	4928.61	1431.75	4919205	10.0000
Sufentanil	4.675	448716	132358.17	274.33	41296311	10.0000
Tapentadol	3.503	6977712	841.73	368.79	13758658	10.0000
Temazepam	4.668	4418907	754.50	232.83	21269852	10.0000
Topiramate	3.862	41270	17523.68	14083.04	176780	10.0000
Tramadol	3.499	27824506	∞	510.93	58637090	10.0000
Trazodone	4.844	9593770	8639737.30	807.09	35189459	10.0000
Venlafaxine	3.852	13233277	1935.14	1431.67	13844990	10.0000
Zaleplon	4.344	3146716	3394.67	817.91	46696854	10.0000
Zolpidem	4.482	14495244	4612.22	34507.21	46696854	10.0000
Zopiclone	4.414	182550	779.77	31534.60	793367	10.0000

TS

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

Extraction Date: 04/27/23
Plate lot#: 220802
Mobile phase A: 10mM Amm Form in LCMS Water
Blank Blood Lot: Lampire 23A52593
LCMS-QQQ ID: 069901

Analyst: Tamara Salazar
Plate Retest Date: 07/23/2023
Mobile phase B: 0.1% Formic acid in MeOH
Blank Urine Lot:
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☐ 2. Urine hydrolysis: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
☒ 3. Using a calibrated pipette, pipette 1000µL blood or 1000µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: 42
☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 5. Add **500µL of 0.1% formic acid in water to blood samples, and 500µL of saturated phosphate buffer to urine samples** in the wells of the analytical plate.
☒ 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 7. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate. Amount transferred*: 750 µL*
☒ 8. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)***
☒ 9. Wait 5 minutes.
☒ 10. Add **2.25mL MTBE. (*Add in 3 increments of 750uL)***
☒ 11. Wait 5 minutes.
☒ 12. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 13. Add **2.25mL Hexane. (*Add in 3 increments of 750uL)***
☒ 14. Wait 5 minutes.
☒ 15. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 16. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
☒ 17. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
☒ 2. Make any necessary integration changes, 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: Extraction was performed on 04/27/23, however, due to the analytical instrument requiring maintenance, the plates could not be analyzed on the same day. The sealed plates were stored in the freezer and ran on 04/28/23.

Analytical Plate Map

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	M2023-1465-1	P2023-1048-1	P2023-1089-2	IS + QC_1
B	IS + Cal. 2	Neg Blood	P2023-0934-1	P2023-1049-1	P2023-1092-1	IS + Cal. 7
C	IS + Cal. 3	M2023-1324-1	P2023-0939-2	P2023-1052-1	P2023-1093-1	IS + Cal. 6
D	IS + Cal. 4	M2023-1331-1	P2023-0951-1	P2023-1066-3	P2023-1099-1	IS + Cal. 5
E	IS + Cal. 5	M2023-1414-1	P2023-1022-1	P2023-1077-1	P2023-1133-1	IS + Cal. 4
F	IS + Cal. 6	M2023-1418-1	P2023-1040-1	P2023-1086-1	P2023-1134-1	IS + Cal. 3
G	IS + Cal. 7	M2023-1457-2	P2023-1041-1	P2023-1087-1	P2023-1179-1	IS + Cal. 2
H	IS + QC_1	M2023-1459-2	P2023-1046-1	P2023-1088-3	IS + QC_1	IS + Cal. 1

All wells to contain 100 µl of residual DMSO

SLE Plate Map

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	M2023-1465-1	P2023-1048-1	P2023-1089-2	P2023-1046-1
B	IS + Cal. 2	Neg Blood	P2023-0934-1	P2023-1049-1	P2023-1092-1	
C	IS + Cal. 3	M2023-1324-1	P2023-0939-2	P2023-1052-1	P2023-1093-1	
D	IS + Cal. 4	M2023-1331-1	P2023-0951-1	P2023-1066-3	P2023-1099-1	
E	IS + Cal. 5	M2023-1414-1	P2023-1022-1*	P2023-1077-1	P2023-1133-1	
F	IS + Cal. 6	M2023-1418-1	P2023-1040-1	P2023-1086-1	P2023-1134-1	
G	IS + Cal. 7	M2023-1457-2	P2023-1041-1	P2023-1087-1	P2023-1179-1	
H	IS + QC_1	M2023-1459-2	P2023-1046-1*	P2023-1088-3	P2023-1022-1	

*Sample moved during step 7 of the extraction process due to a clot

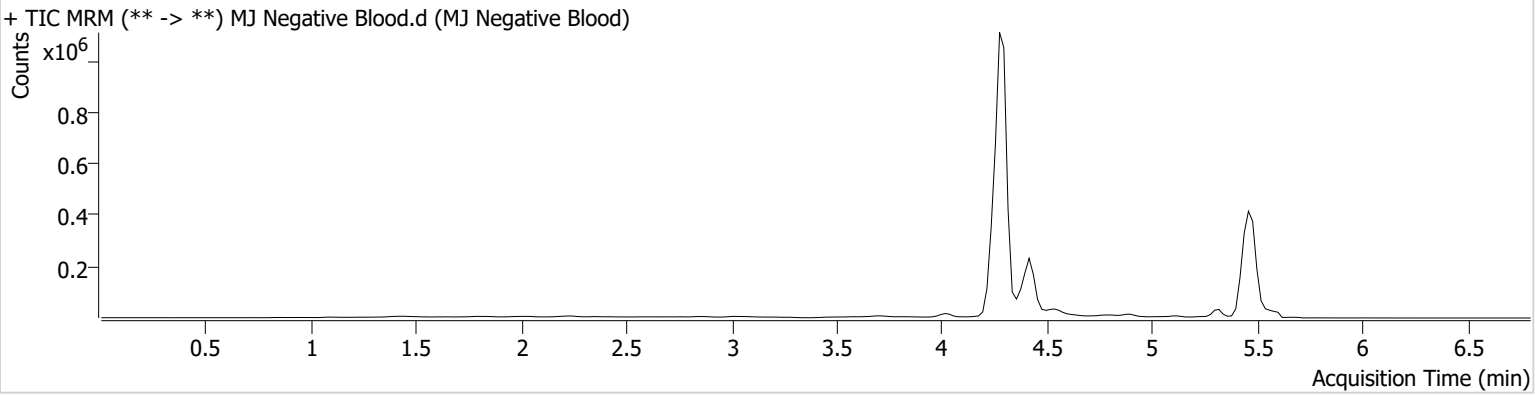
TS

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update	4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ Negative Blood.d
Type	Sample	**Sample**	MJ Negative Blood
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-B2	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 11:19:25 AM		
Sample Info.			

Sample Chromatogram



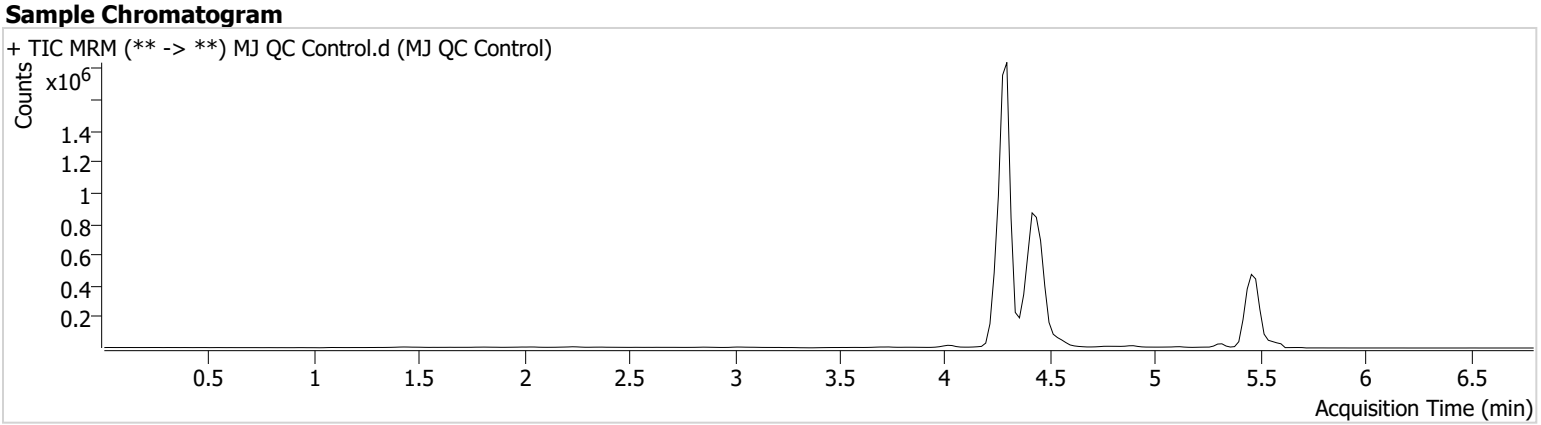
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ QC Control.d
Type	QC	**Sample**	MJ QC Control
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 11:04:16 AM		
Sample Info.			

Sample Chromatogram

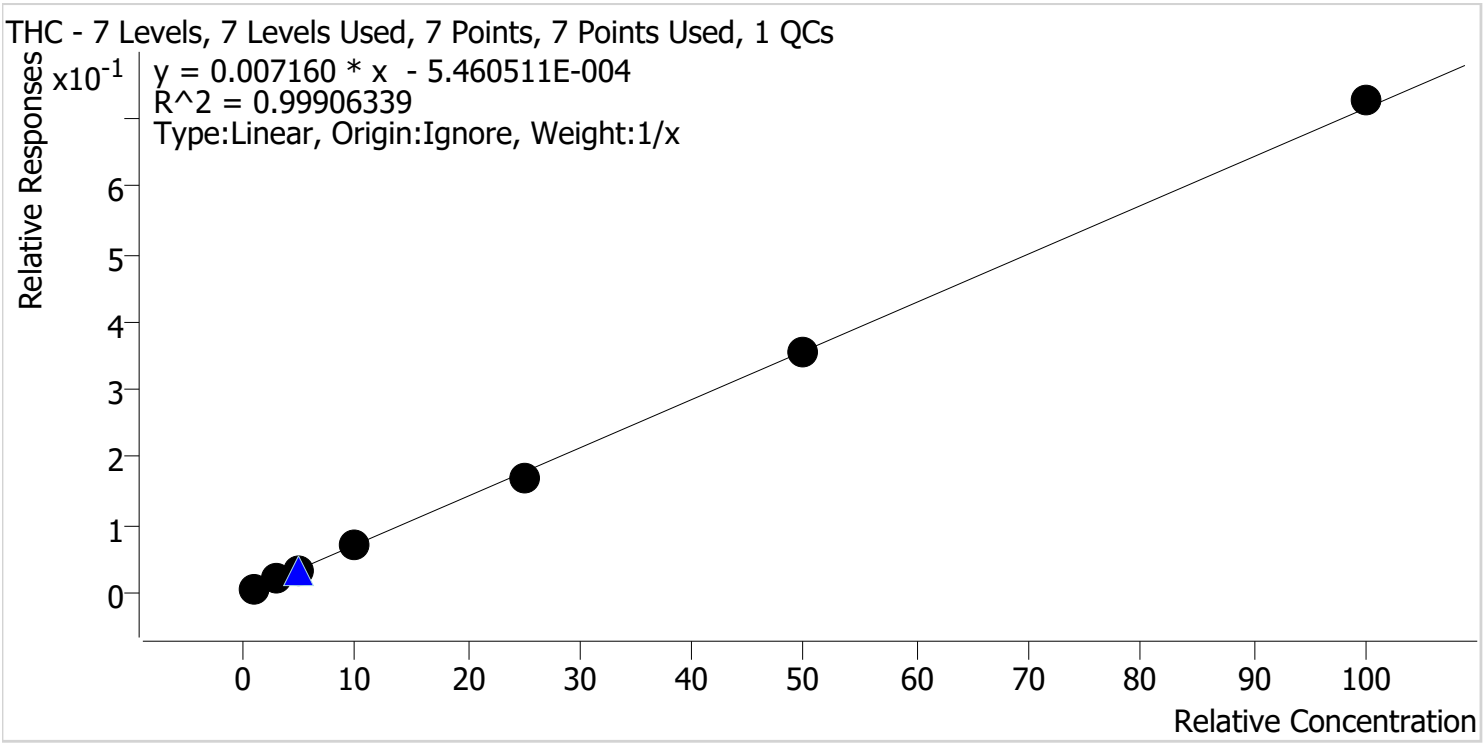


Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.429	6585	195432	4.7826	ng/ml
THC-COOH	4.456	763212	2845329	14.2081	ng/ml
THC-OH	4.302	67457	7026818	4.7343	ng/ml

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update	4/28/2023 3:25 PM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-D3

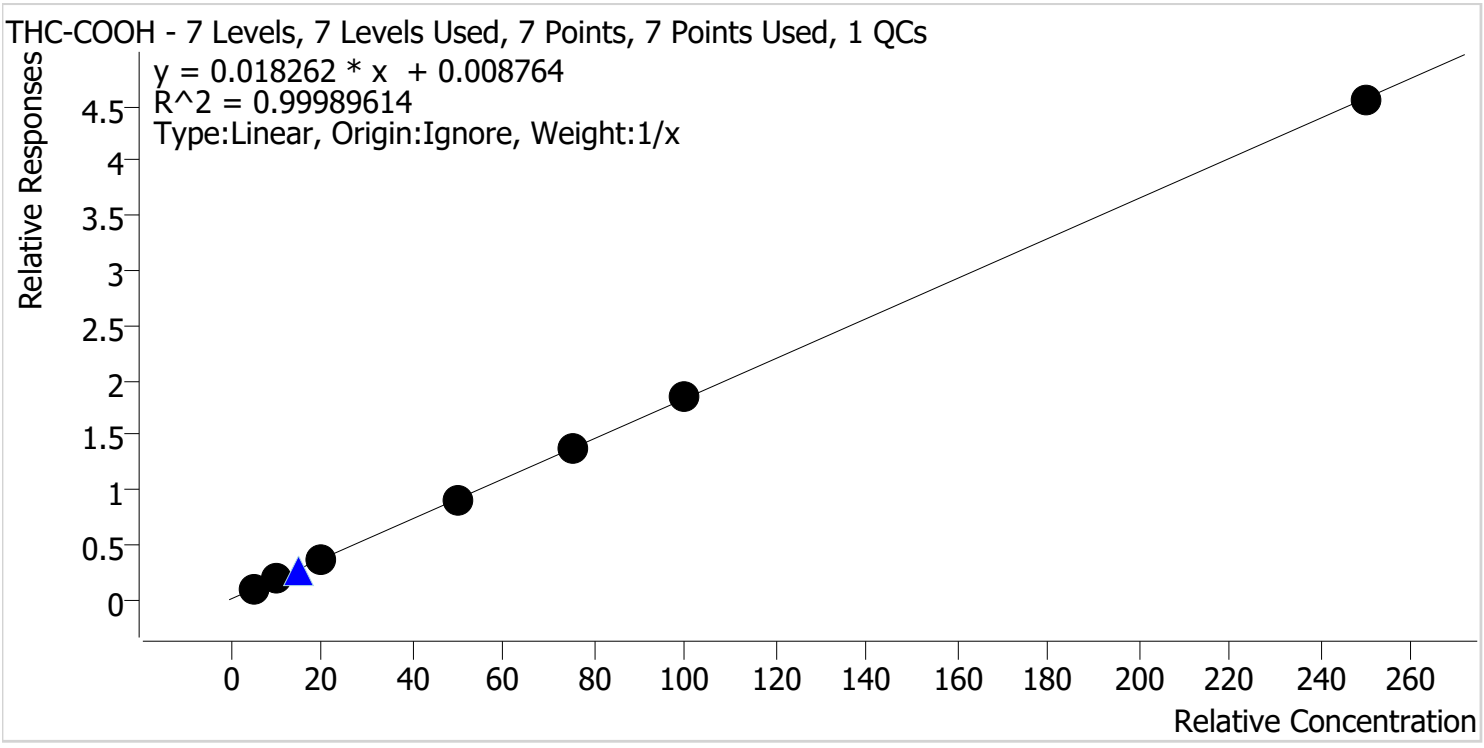


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.0	99.1
MJ Cal 2	2	✔	3.0	3.4	112.8
MJ Cal 3	3	✔	5.0	4.7	93.6
MJ Cal 4	4	✔	10.0	9.8	98.1
MJ Cal 5	5	✔	25.0	23.8	95.2
MJ Cal 6	6	✔	50.0	49.8	99.5
MJ Cal 7	7	✔	100.0	101.6	101.6

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update	4/28/2023 3:25 PM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9

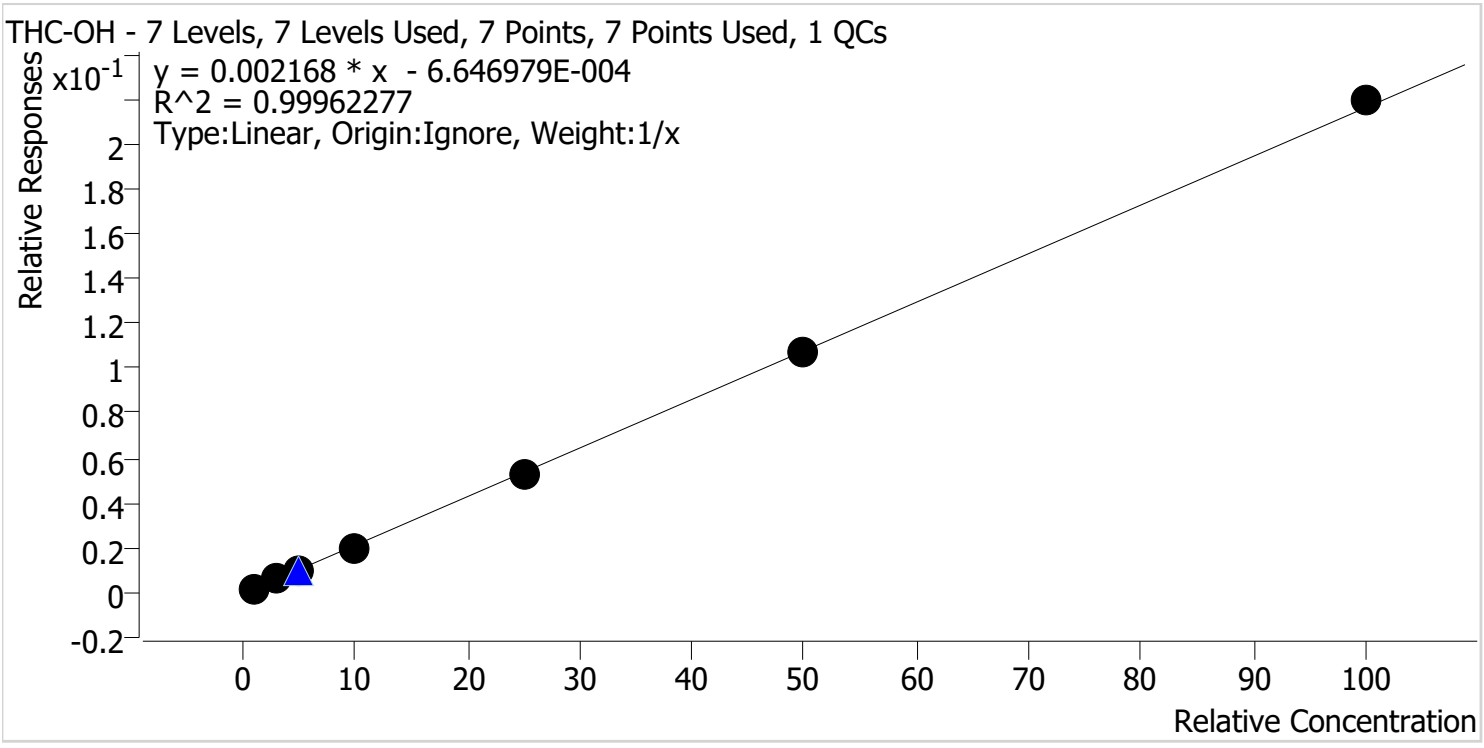


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	5.0	5.0	100.8
MJ Cal 2	2	✔	10.0	9.7	97.3
MJ Cal 3	3	✔	20.0	20.3	101.5
MJ Cal 4	4	✔	50.0	49.5	99.0
MJ Cal 5	5	✔	75.0	75.5	100.7
MJ Cal 6	6	✔	100.0	101.1	101.1
MJ Cal 7	7	✔	250.0	248.7	99.5

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update	4/28/2023 3:25 PM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.1	106.9
MJ Cal 2	2	✔	3.0	3.0	101.5
MJ Cal 3	3	✔	5.0	4.9	97.6
MJ Cal 4	4	✔	10.0	9.5	95.4
MJ Cal 5	5	✔	25.0	24.6	98.2
MJ Cal 6	6	✔	50.0	49.5	99.0
MJ Cal 7	7	✔	100.0	101.4	101.4

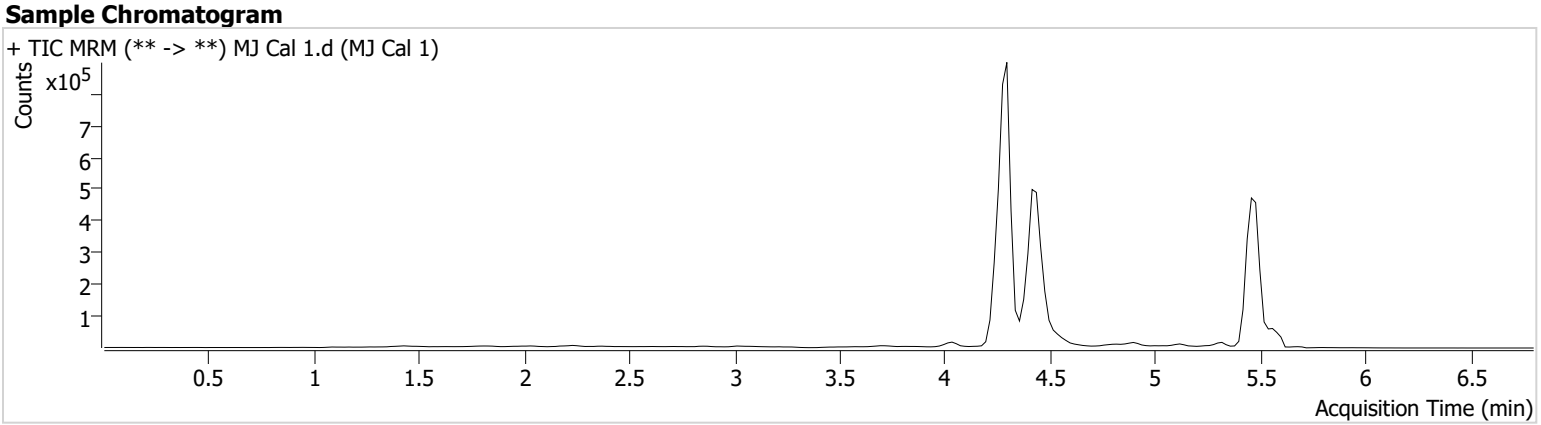
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 1.d
Type	Cal	**Sample**	MJ Cal 1
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-A1	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 10:11:00 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	5.469	1205	184109	0.9907	ng/ml	Low
THC-COOH	4.456	185505	1839897	5.0410	ng/ml	
THC-OH	4.302	6126	3708092	1.0685	ng/ml	Low

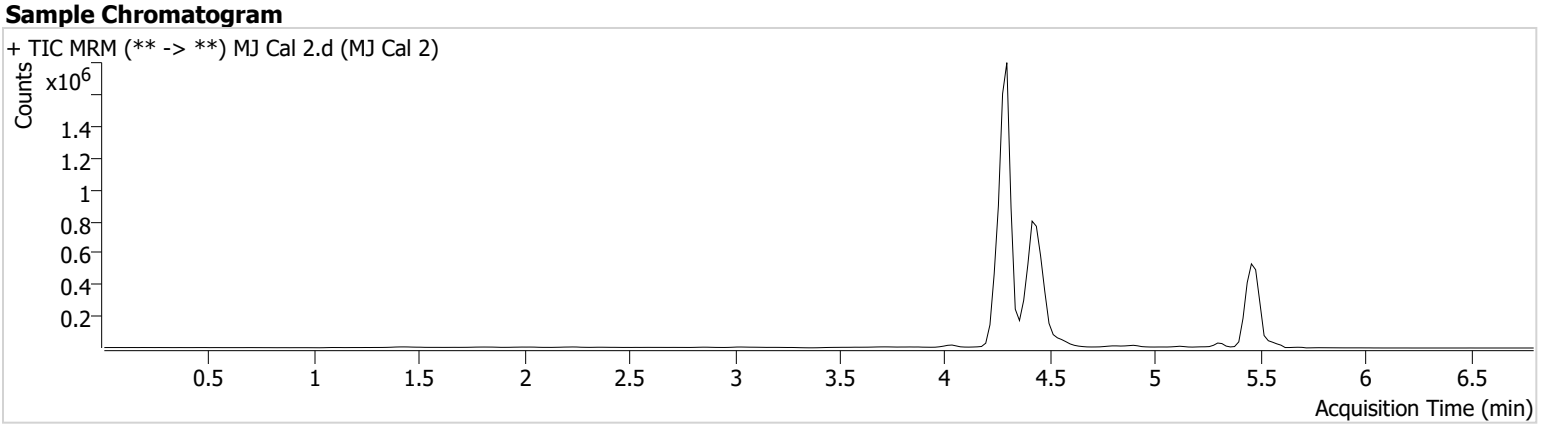
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 2.d
Type	Cal	**Sample**	MJ Cal 2
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-B1	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 10:18:52 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.509	8593	362716	3.3850	ng/ml
THC-COOH	4.456	523230	2806621	9.7285	ng/ml
THC-OH	4.302	41437	6975985	3.0462	ng/ml

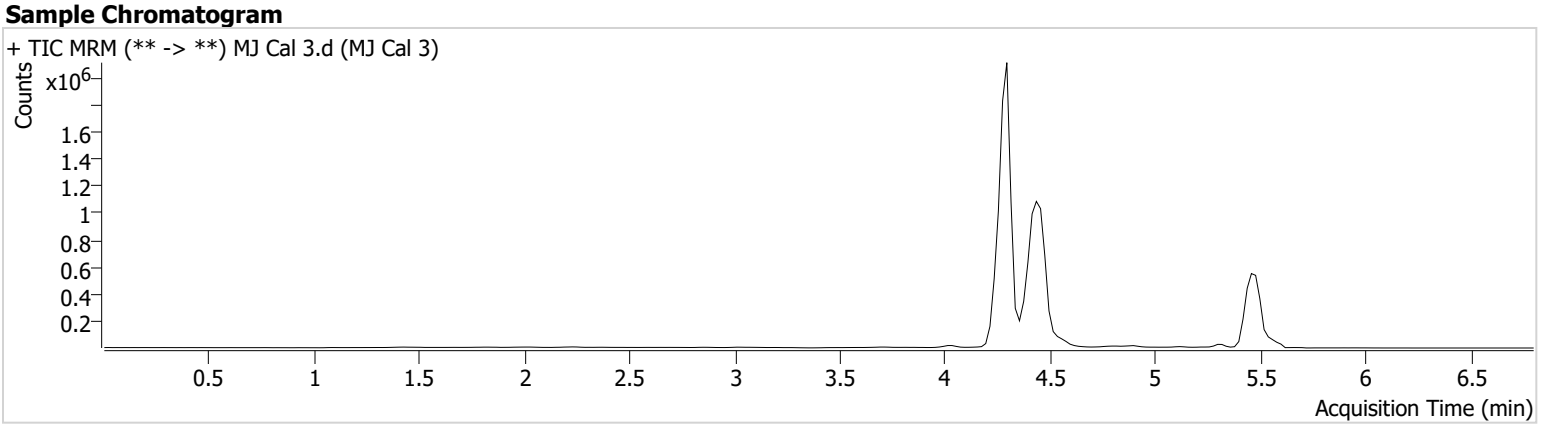
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 3.d
Type	Cal	**Sample**	MJ Cal 3
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-C1	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 10:26:25 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.510	11702	354952	4.6808	ng/ml
THC-COOH	4.456	1174221	3093487	20.3052	ng/ml
THC-OH	4.302	77950	7864327	4.8781	ng/ml

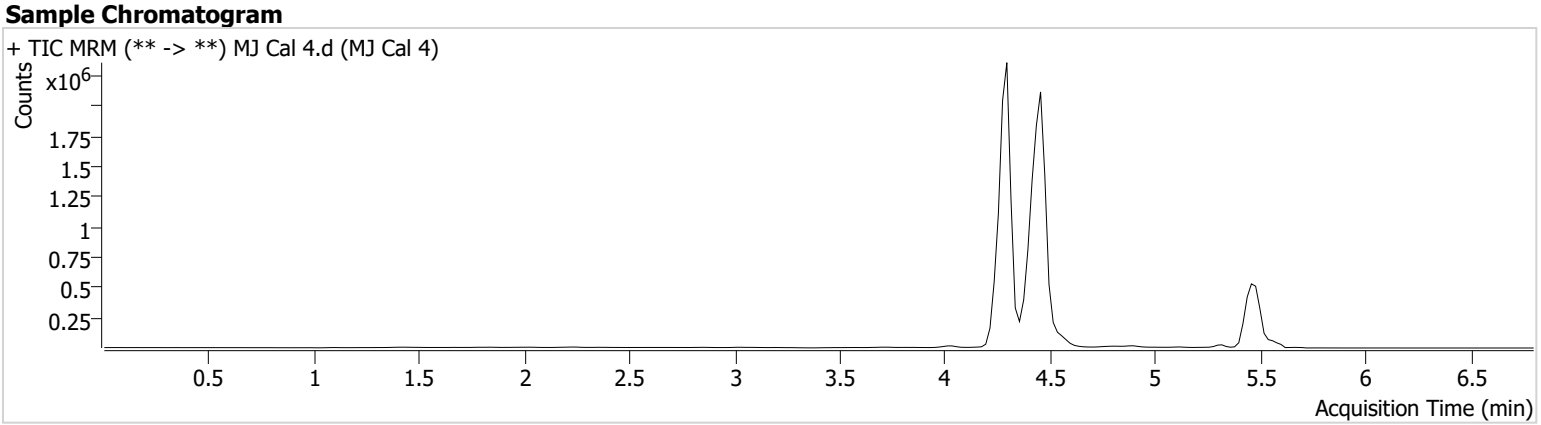
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 4.d
Type	Cal	**Sample**	MJ Cal 4
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-D1	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 10:33:59 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.510	20666	296389	9.8149	ng/ml
THC-COOH	4.456	2896535	3172916	49.5087	ng/ml
THC-OH	4.302	161653	8072812	9.5422	ng/ml

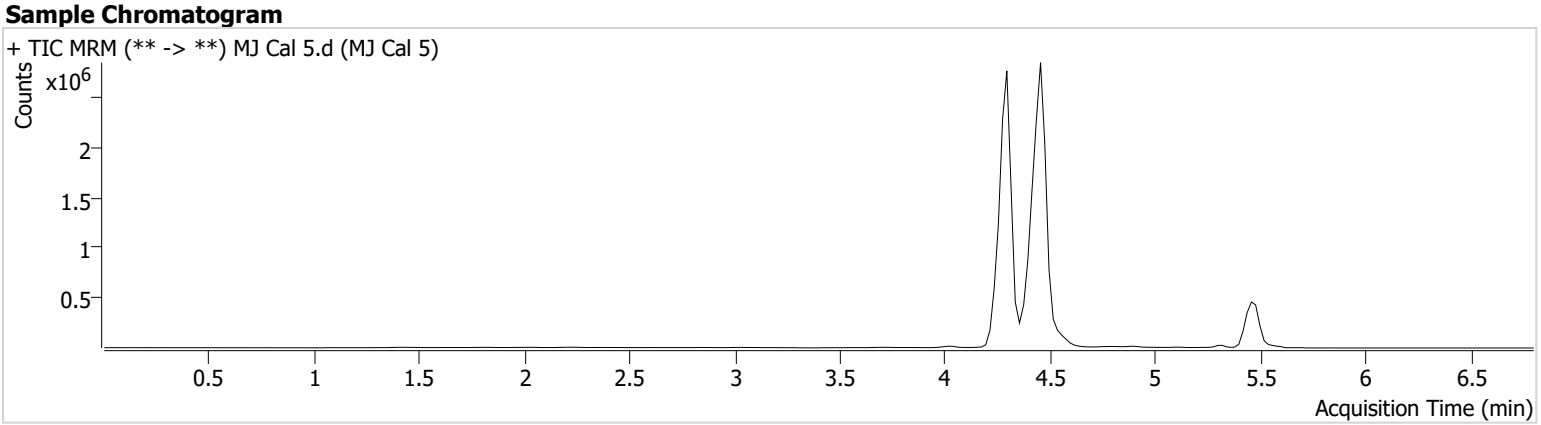
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 5.d
Type	Cal	**Sample**	MJ Cal 5
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-E1	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 10:41:34 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.449	47225	277889	23.8118	ng/ml
THC-COOH	4.456	4105785	2957331	75.5434	ng/ml
THC-OH	4.302	407592	7752970	24.5541	ng/ml

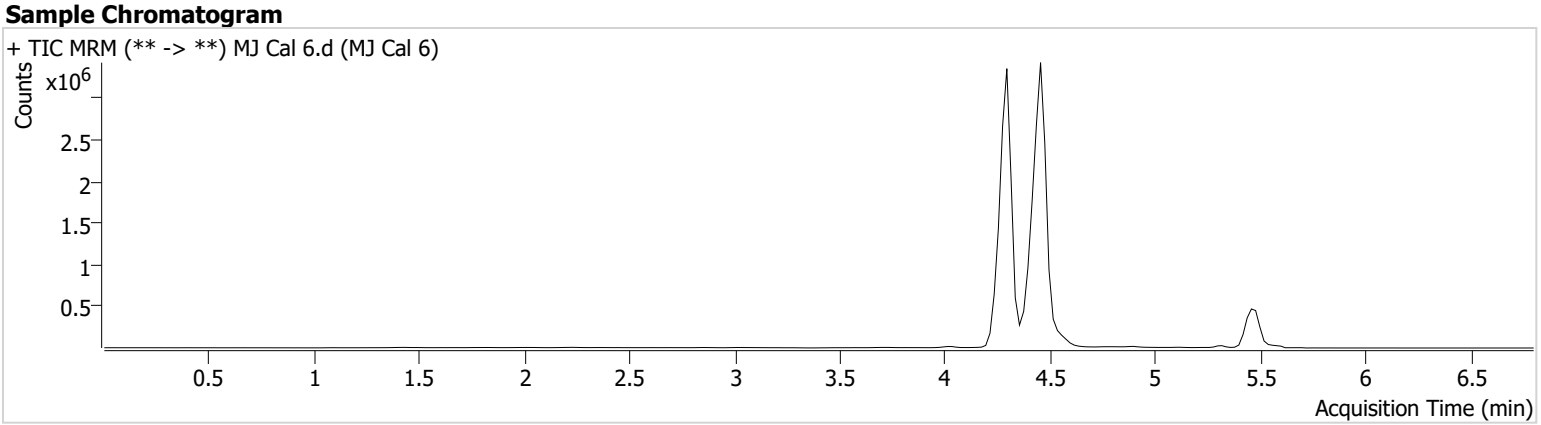
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 6.d
Type	Cal	**Sample**	MJ Cal 6
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-F1	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 10:49:07 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.449	87808	246811	49.7665	ng/ml
THC-COOH	4.456	5065655	2729964	101.1284	ng/ml
THC-OH	4.302	762753	7151855	49.4964	ng/ml

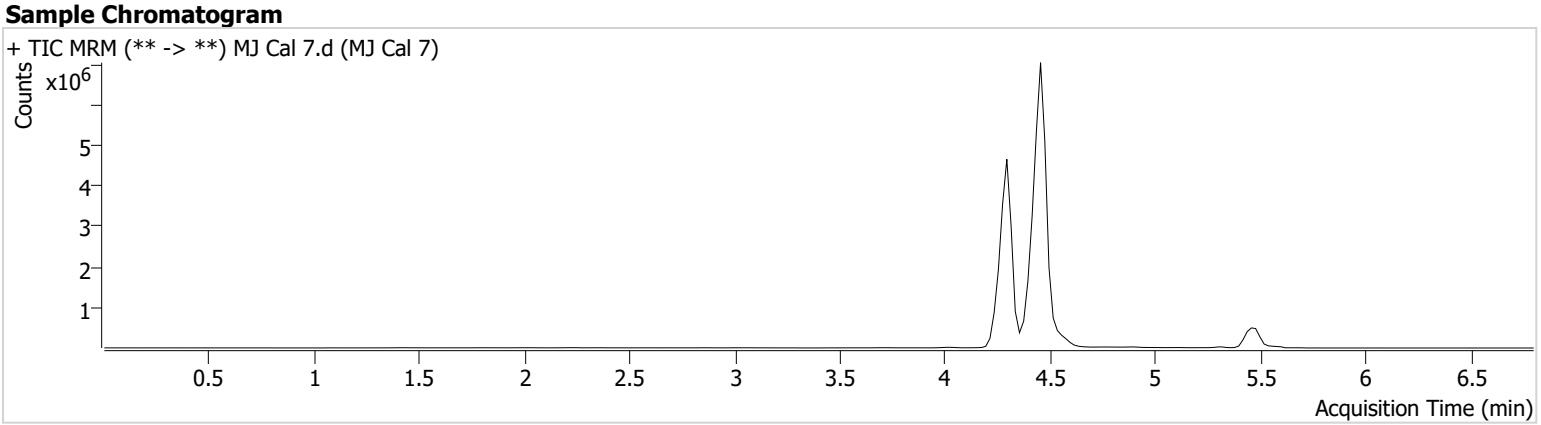
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\042823 AM 25_26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/28/2023 3:25:37 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 7.d
Type	Cal	**Sample**	MJ Cal 7
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-G1	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/28/2023 10:56:41 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.449	132241	182017	101.5502	ng/ml
THC-COOH	4.456	11262915	2474629	248.7448	ng/ml
THC-OH	4.302	1468526	6698964	101.4143	ng/ml