

REVIEWED

By Sarah Collins at 11:56 am, Jul 26, 2024

TS

7/18/2024

Worklist: 6872

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-2397	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2483	6	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2484	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2682	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2024-2846	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2024-1831	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1832	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1851	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1858	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1859	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1873	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1883	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2024-1946	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1947	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1948	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1949	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1953	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1960	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1971	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2000	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2004	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6872

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-2005	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2024-2006	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2007	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2018	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-2081	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2024-2150	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2024-2157	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: 07/18/2024

Plate lot#: 240524

Mobile phase A: 10mM Amm Form in LCMS Water

Blank Blood Lot: Lampire 24052816

LCMS-QQQ ID: 069901

Analyst: Tamara Salazar

Plate Retest Date: 11/24/2024

Mobile phase B: 0.1% Formic Acid in MeOH

Blank Urine Lot: POC021022

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: 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:

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	P2024-1831-1	P2024-1948-1	P2024-2007-1	P2024-2150-2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
B	IS + Cal. 1	P2024-1832-1	P2024-1949-1	P2024-2018-1	M2024-2846-2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
C	IS + Control 1	P2024-1851-1	P2024-1953-1	P2024-2157-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
D	IS + Control 1	P2024-1858-1	P2024-1960-1	Neg Urine	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
E	Neg Blood	P2024-1859-3	P2024-1971-1	M2024-2682-2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Control 1
F	M2024-2397-1	P2024-1873-1	P2024-2000-3	P2024-1883-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Control 1
G	M2024-2483-6	P2024-1946-1	P2024-2004-1	P2024-2005-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1
H	M2024-2484-4	P2024-1947-1	P2024-2006-1	P2024-2081-2	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

AM #25 Multi-Drug Screen. Results

TS



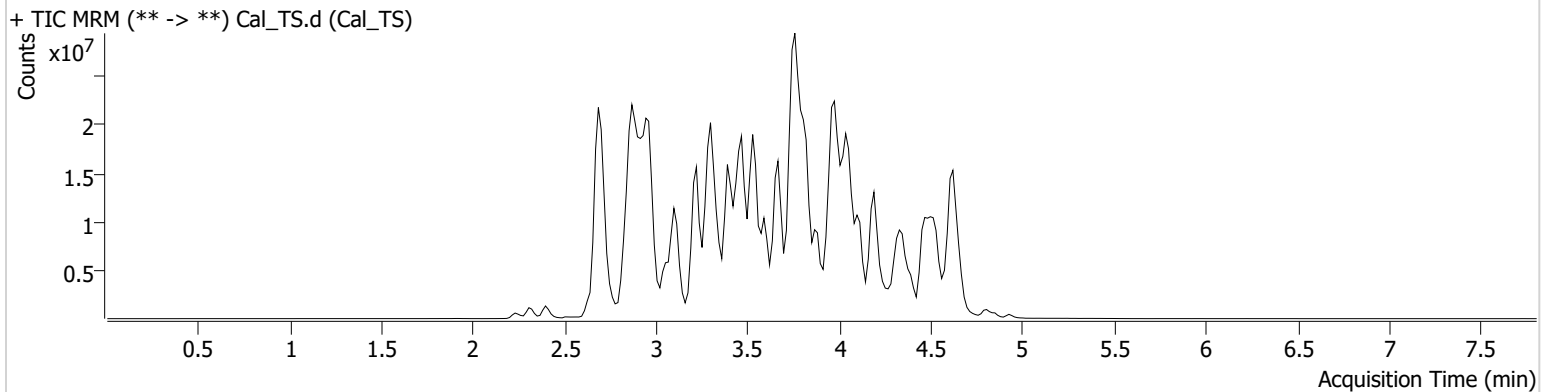
Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 25 TS.batch.bin
Calibration Last Update 7/26/2024 10:46:07 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 25 MDS.m
Sample Position P6-A1
Injection Volume 5
Acq. Date-Time 7/19/2024 3:52:42 AM
Sample Info.

Data File Cal_TS.d
Sample Cal_TS
Operator Tamara Salazar
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	3807685	131.16	833.16	23049075	10.0000
6-MAM	2.836	79094	120960.63	31603.07	2626773	10.0000
7-aminoclonazepam	3.546	939120	272.14	150.44	3900252	10.0000
7-aminoflunitrazepam	3.761	2261974	316.53	434168.7	3900252	10.0000
9-Hydroxyrisperidone	3.769	10820624	1215.40	486654.9	36017663	10.0000
Acetyl Fentanyl	3.711	392374	58.34	296.42	39453884	10.0000
Acetyl Norfentanyl	2.874	668928	351.81	399.86	39453884	10.0000
a-hydroxylprazolam	4.483	466286	343.78	746.27	3900252	10.0000
alpha-hydroxymidazolam	4.512	3828893	1515.72	696.09	3900252	10.0000
Alpha-PHP	3.750	5007834	13708.55	669.53	39453884	10.0000
alpha-PVP	3.489	8155946	1540.60	374.50	17414073	10.0000
Alprazolam	4.578	4271955	1554.47	1051.36	25911279	10.0000
Amitriptyline	4.350	950371	82.39	306.20	3420176	10.0000
Amphetamine	2.878	5925573	706.15	940.41	17414073	10.0000
Benzoyllecgonine	3.360	172639	54354.64	58.00	724882	10.0000
Bromazolam	4.650	2930987	32577.53	17200.70	25911279	10.0000
Brompheniramine	3.974	125935	328.47	405.94	44590901	10.0000
Buprenorphine	4.062	52588	103.89	193.36	2682409	10.0000
Bupropion	3.673	6941108	1803.27	1096.18	27690226	10.0000
Carbamazepine	4.199	16226908	1623.41	1239.18	331503	10.0000
Carisoprodol	4.182	2222983	1484109.39	183.43	14392726	10.0000
Chlordiazepoxide	4.626	1369268	3359.31	390.90	25911279	10.0000
Chlorpheniramine	3.886	8583692	1193.10	11.71	13043854	10.0000
Chlorpromazine	4.530	1076794	977.91	352.81	5066338	10.0000
Citalopram	4.005	4099014	821.00	1108786.41	44590901	10.0000
Clomipramine	4.546	1485686	41351.48	2542.32	44590901	10.0000
Clonazepam	4.392	2681495	632.62	210881.2	331503	10.0000
Clonazepam	4.327	2735456	371522.53	456918.0	25911279	10.0000

AM #25 Multi-Drug Screen. Results

TS



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Clozapine	4.112	4049351	1908.20	1023.67	15539412	10.0000
Cocaethylene	3.743	8224950	3679590.71	3761.20	36167316	10.0000
Cocaine	3.528	8385655	11584.45	909.34	36167316	10.0000
Codeine	2.732	692897	16755.49	108797.21	14467781	10.0000
Cyclobenzaprine	4.273	1829000	4861.73	124.30	3420176	10.0000
Desipramine	4.321	2941439	487.20	405.81	3420176	10.0000
Dextromethorphan	4.025	2296433	99469.86	391.03	13043854	10.0000
Dextrorphan	3.347	4901512	1120.29	3405002.36	13043854	10.0000
Diazepam	4.811	1422533	160654.50	689.23	25911279	10.0000
Dihydrocodeine	2.701	1659989	1548.35	2186.79	14467781	10.0000
Diphenhydramine	3.980	11681033	3793.54	15714.62	44590901	10.0000
DMT	2.937	728765	608.84	488.26	13043854	10.0000
Doxepin	4.071	1626120	182.35	90.83	19263749	10.0000
Doxylamine	3.593	13638605	1354.36	291.63	13043854	10.0000
Duloxetine	4.271	45164	3391.62	2902.89	652810	10.0000
EDDP	4.040	348291	5587.23	100.88	1961758	10.0000
Estazolam	4.502	8350903	12708.70	1607.17	25911279	10.0000
Etizolam	4.604	386205	257906.58	460446.87	25911279	10.0000
Fentanyl	3.942	216056	933.86	18974.25	16293904	10.0000
Flualprazolam	4.452	1907348	1057700.11	476124.54	25911279	10.0000
Flunitrazepam	4.516	4072043	758.52	464157.58	25911279	10.0000
Fluorofentanyl	3.956	299421	24600.29	1050.88	16293904	10.0000
Fluoxetine	4.270	1676547	385.36	42.69	2810644	10.0000
Flurazepam	4.063	4451109	713.59	832.97	25911279	10.0000
Hydrocodone	2.916	2702814	318.57	1025.12	14467781	10.0000
Hydromorphone	2.399	1908776	1198.95	951.86	14467781	10.0000
Hydroxyzine	4.372	2484580	1541.87	3569.29	15539412	10.0000
Imipramine	4.319	3684077	1314.61	1072.37	3420176	10.0000
Ketamine	3.318	6011974	1999.58	248.69	21621766	10.0000
Lamotrigine	3.471	4679964	2564.86	10975.76	44590901	10.0000
Levamisole	2.890	5336826	1100.07	276.05	36167316	10.0000
Levetiracetam	2.648	3317239	669.70	259.97	44590901	10.0000
Lorazepam	4.391	662614	205.77	7.78	25911279	10.0000
Maprotiline	4.350	751828	124.65	135.08	3420176	10.0000
MDA	2.983	4677400	263.95	5.10	36401674	10.0000
MDEA	3.213	7519252	927.16	316.29	36401674	10.0000
MDMA	3.059	9095639	826.50	322.66	36401674	10.0000
Meperidine	3.533	2939787	318.44	628.54	13043854	10.0000
Meprobamate	3.644	1286334	502.69	268.49	14392726	10.0000
Methadone	4.347	6275453	1338.85	398.42	1961758	10.0000
Methamphetamine	2.970	19362564	692.83	758.45	36401674	10.0000
Methocarbamol	3.549	180654	108.57	51720.25	1961758	10.0000
Methylphenidate	3.473	16767449	2018.11	889.67	30226594	10.0000
Metoprolol	3.409	1236254	365.68	454.90	13043854	10.0000
Midazolam	4.529	1081506	340234.75	1382.81	25911279	10.0000
Mirtazapine	3.655	3706245	1946.35	2667.69	13043854	10.0000
Mitragynine	4.078	426353	35182.35	1128424.39	13043854	10.0000
Morphine	2.233	460428	637.37	359.80	660634	10.0000
Norbuprenorphine	3.769	106100	61105.07	58906.26	2682409	10.0000
Nordiazepam	4.659	2676176	2000.93	1361.25	25911279	10.0000
Norfentanyl	3.304	11876764	913.03	965.46	39453884	10.0000
Norhydrocodone	2.902	140674	115.63	40.34	14467781	10.0000
Norketamine	3.304	947459	473.67	1900.56	21621766	10.0000
Normeperidine	3.566	2053077	155.03	500.10	44590901	10.0000
Noroxycodone	2.854	2127976	∞	232.01	21621766	10.0000

TS



AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Nortriptyline	4.352	869015	712.36	80.58	3420176	10.0000
O-desmethyl-tramadol	2.888	13305658	8728.06	236.07	44590901	10.0000
O-desmethylvenlafaxine	3.224	2861952	160.66	16298.89	15939801	10.0000
Olanzapine	3.466	854321	6957.25	1183.71	331503	10.0000
Oxazepam	4.472	2784901	270.12	245.33	18423870	10.0000
Oxycodone	2.868	4353503	1000.79	806.50	21621766	10.0000
Oxymorphone	2.305	2153395	255.41	182.44	14467781	10.0000
Paroxetine	4.282	244024	232.69	1121.23	2810644	10.0000
Phenazepam	4.604	3597929	3782.15	1853282. 25	25911279	10.0000
Phencyclidine	3.873	8884667	1281.68	1094.50	13043854	10.0000
Phentermine	3.123	2519942	169.73	21.06	30226594	10.0000
Phenytoin	4.090	692671	15051.98	122.32	331503	10.0000
Primidone	3.444	12749026	2020.31	4523.50	331503	10.0000
Promethazine	4.241	3465165	588.98	4388.33	44590901	10.0000
Pseudoephedrine	2.694	58129675	1815.46	50567.22	36401674	10.0000
Quetiapine	4.202	4541915	1434.68	279406.7 4	39657328	10.0000
Risperidone	3.955	7148974	5501.37	940.21	36017663	10.0000
Sertraline	4.486	565878	1737.22	697.04	2810644	10.0000
Sufentanil	4.187	124617	118967.69	771.19	39453884	10.0000
Tapentadol	3.413	9668656	6425.59	976.09	21621766	10.0000
Temazepam	4.625	5583048	1003.08	58.58	25911279	10.0000
Topiramate	3.818	733741	1392.85	226275.5 4	333697	10.0000
Tramadol	3.393	28165151	∞	64.90	44590901	10.0000
Trazodone	4.064	4122265	844.53	1419.55	19263749	10.0000
Venlafaxine	3.762	10379950	2008.88	1282.48	15939801	10.0000
Xylazine	3.351	3332774	832.14	111.04	21621766	10.0000
Zaleplon	4.317	3407146	1017556.01	2317.64	39657328	10.0000
Zolpidem	3.821	11512283	∞	4464.88	39657328	10.0000
Zopiclone	3.724	556070	4760.45	1778.39	2841576	10.0000

TS



AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 25 TS.batch.bin
Calibration Last Update 7/26/2024 10:46:07 AM

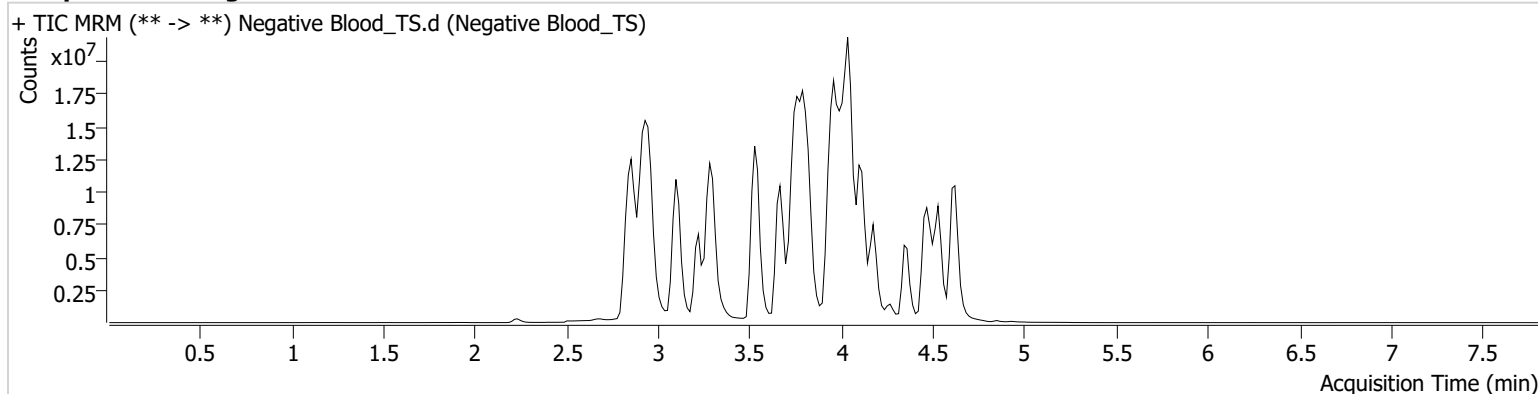
Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P6-E1
Injection Volume 5
Acq. Date-Time 7/19/2024 4:01:20 AM
Sample Info.

Data File
Sample
Operator
Comment

Negative Blood_TS.d
Negative Blood_TS
Tamara Salazar

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



AM #25 Multi-Drug Screen. Results

TS



Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 25 TS.batch.bin
Calibration Last Update 7/26/2024 10:46:07 AM

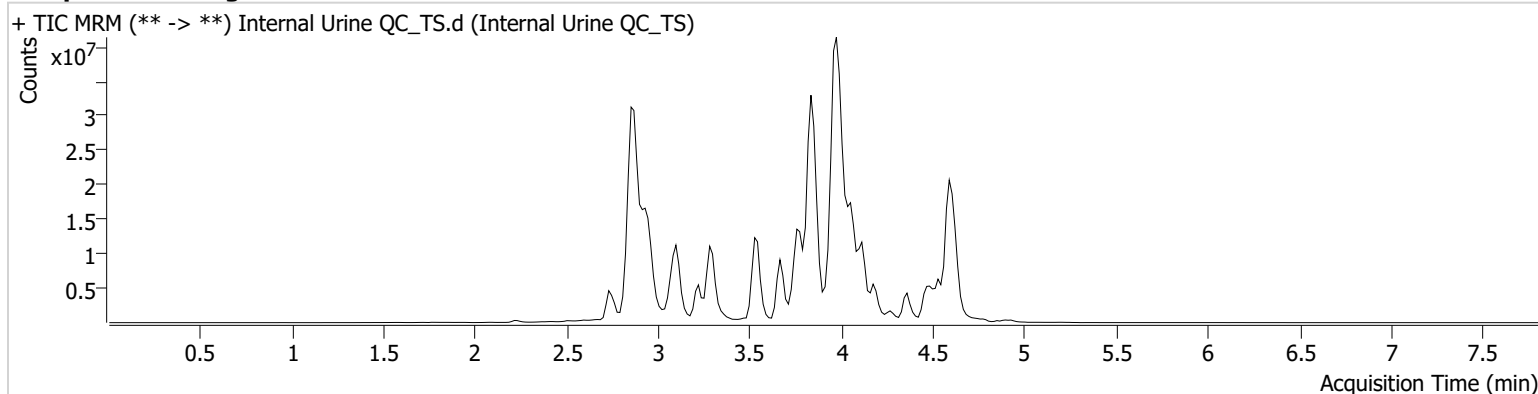
Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P6-C1
Injection Volume 5
Acq. Date-Time 7/19/2024 8:14:55 AM
Sample Info.

Data File
Sample
Operator
Comment

Internal Urine QC_TS.d
Internal Urine QC_TS
Tamara Salazar

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.
Alprazolam	4.593	29763389	∞	∞	21988156	82.1024
Amphetamine	2.878	38689606	26701.84	455.16	14349223	79.2384
Codeine	2.732	6200557	10335.97	3879.97	12056239	107.3871
Diphenhydramine	3.980	58429119	42308.06	2820.00	47958468	46.5081
Zolpidem	3.852	54150403	183835.60	12179.13	36144006	51.6092

TS



AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 25 TS.batch.bin
Calibration Last Update 7/26/2024 10:46:07 AM

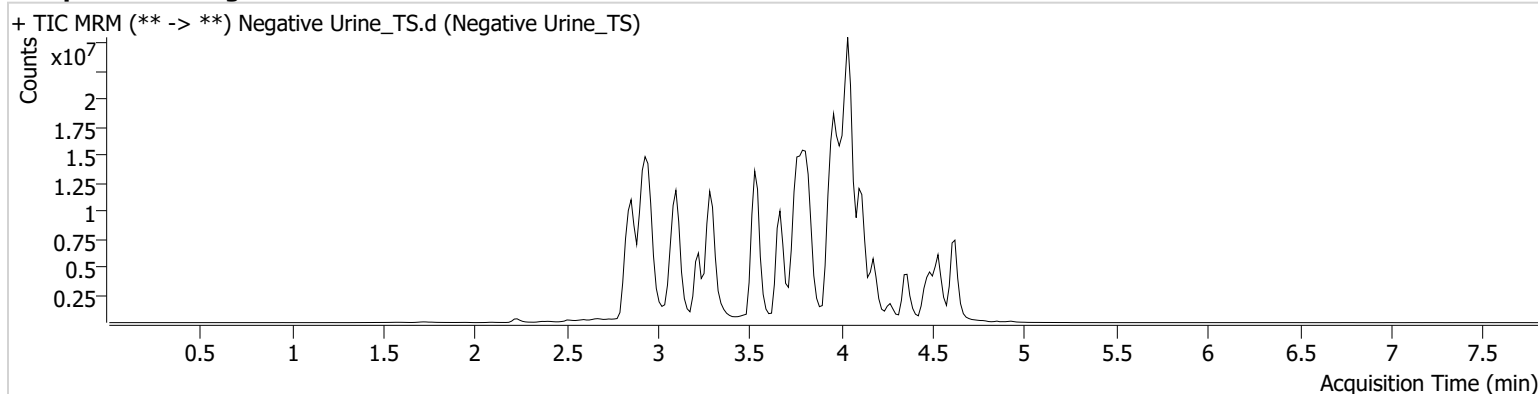
Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P6-D4
Injection Volume 5
Acq. Date-Time 7/19/2024 4:09:49 AM
Sample Info.

Data File
Sample
Operator
Comment

Negative Urine_TS.d
Negative Urine_TS
Tamara Salazar

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



TS

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 in LCMS Water

Blank Blood Lot: Lampire 24052816

LCMS-QQQ ID: 069901

Analyst: Tamara Salazar

Plate Retest Date: 11/13/2024

Mobile phase B: 0.1% Formic acid in MeOH

Blank Urine Lot: POC021022

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, R² 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:

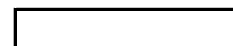
Case sample P2024-1949 was reinjected due to lower internal standard response.

Analytical Plate Map

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	P2024-1851-1	P2024-1953-1	P2024-2157-1	IS + QC_1
B	IS + Cal. 2	Neg Blood	P2024-1858-1	P2024-1960-1	M2024-2682-2	IS + Cal. 7
C	IS + Cal. 3	Neg Urine	P2024-1859-3	P2024-1971-1	P2024-1883-1	IS + Cal. 6
D	IS + Cal. 4	M2024-2397-1	P2024-1873-1	P2024-2000-3	P2024-2005-1	IS + Cal. 5
E	IS + Cal. 5	M2024-2483-6	P2024-1946-1	P2024-2004-1	P2024-2081-2	IS + Cal. 4
F	IS + Cal. 6	M2024-2484-4	P2024-1947-1	P2024-2006-1	P2024-2150-2	IS + Cal. 3
G	IS + Cal. 7	P2024-1831-1	P2024-1948-1	P2024-2007-1	M2024-2846-2	IS + Cal. 2
H	IS + QC_1	P2024-1832-1	P2024-1949-1	P2024-2018-1	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	P2024-1851-1	P2024-1953-1	P2024-2157-1	
B	IS + Cal. 2	Neg Blood	P2024-1858-1	P2024-1960-1	M2024-2682-2	
C	IS + Cal. 3	Neg Urine	P2024-1859-3	P2024-1971-1	P2024-1883-1	
D	IS + Cal. 4	M2024-2397-1	P2024-1873-1	P2024-2000-3	P2024-2005-1	
E	IS + Cal. 5	M2024-2483-6	P2024-1946-1	P2024-2004-1	P2024-2081-2	
F	IS + Cal. 6	M2024-2484-4	P2024-1947-1	P2024-2006-1	P2024-2150-2	
G	IS + Cal. 7	P2024-1831-1	P2024-1948-1	P2024-2007-1*	M2024-2846-2	
H	IS + QC_1	P2024-1832-1	P2024-1949-1	P2024-2018-1	P2024-2007-1*	

*Moved during step
7 of the extraction
due to clotting.

AM #26 Cannabinoids Screen Results

TS



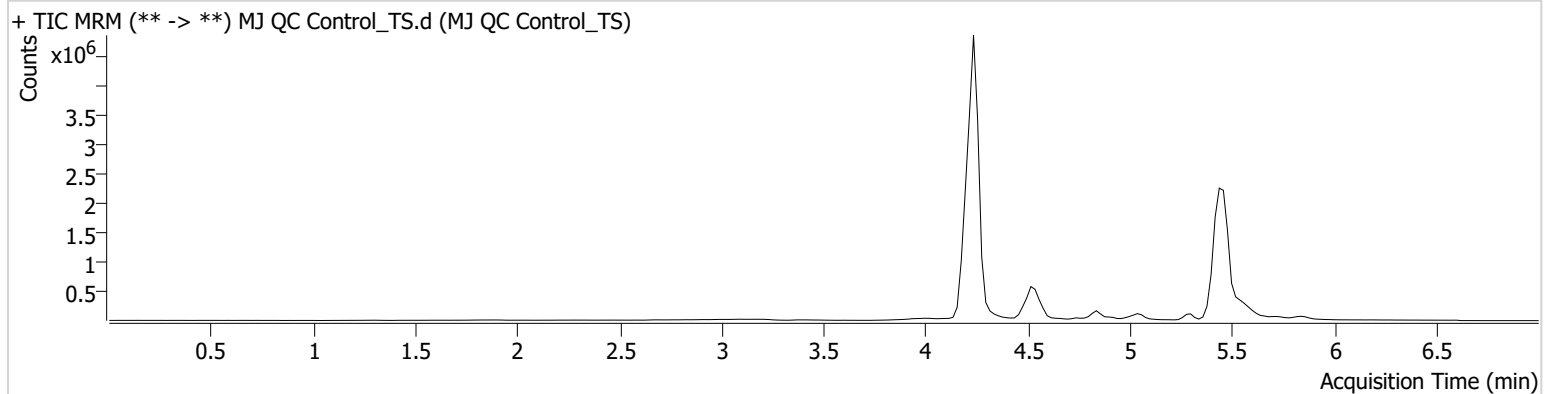
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P5-H1
Injection Volume 10
Acq. Date-Time 7/18/2024 11:07:59 PM
Sample Info.

Data File MJ QC Control_TS.d
Sample MJ QC Control_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.409	7931	364955	4.97 ng/ml
THC-COOH	4.556	330891	1885976	13.33 ng/ml
THC-OH	4.242	154844	18401419	4.81 ng/ml

AM #26 Cannabinoids Screen Results

TS



Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

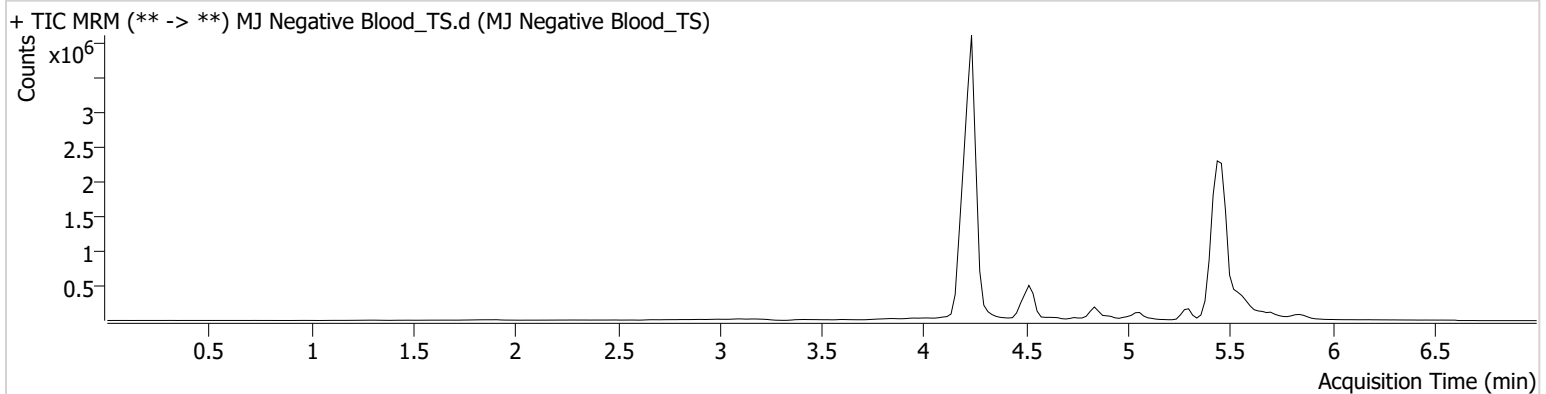
Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P5-B2
Injection Volume 10
Acq. Date-Time 7/18/2024 11:23:10 PM
Sample Info.

Data File
Sample
Operator
Comment

MJ Negative Blood_TS.d
MJ Negative Blood_TS
Tamara Salazar

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



AM #26 Cannabinoids Screen Results

TS



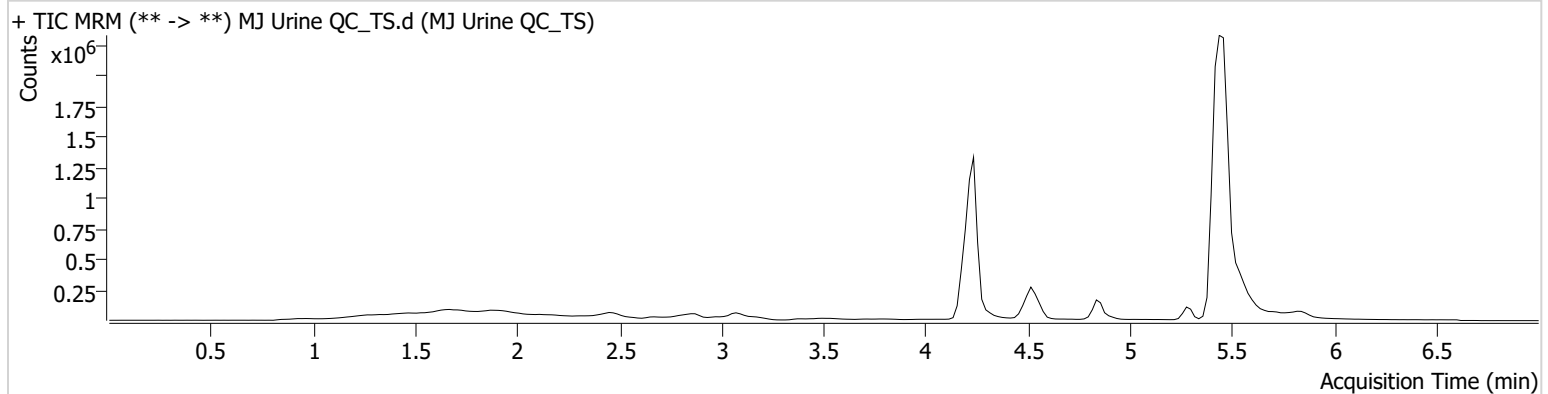
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P5-A2
Injection Volume 10
Acq. Date-Time 7/19/2024 3:18:07 AM
Sample Info.

Data File MJ Urine QC_TS.d
Sample MJ Urine QC_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.389	1802	79900	5.14 ng/ml
THC-COOH	4.556	154015	817329	14.37 ng/ml
THC-OH	4.242	42668	5029327	4.85 ng/ml

AM #26 Cannabinoids Screen Results

TS



Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

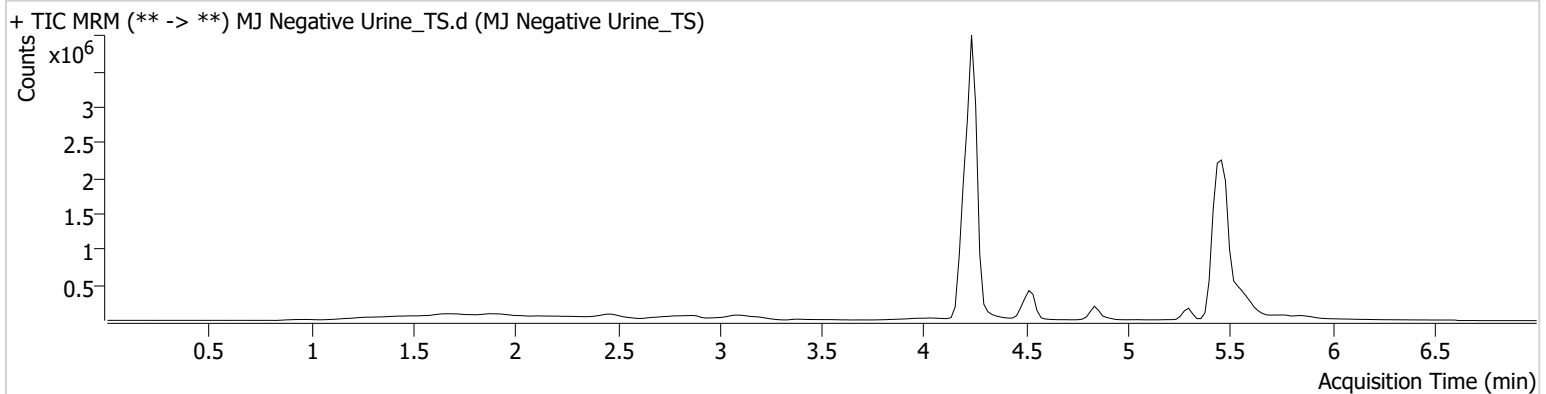
Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P5-C2
Injection Volume 10
Acq. Date-Time 7/18/2024 11:30:44 PM
Sample Info.

Data File
Sample
Operator
Comment

MJ Negative Urine_TS.d
MJ Negative Urine_TS
Tamara Salazar

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



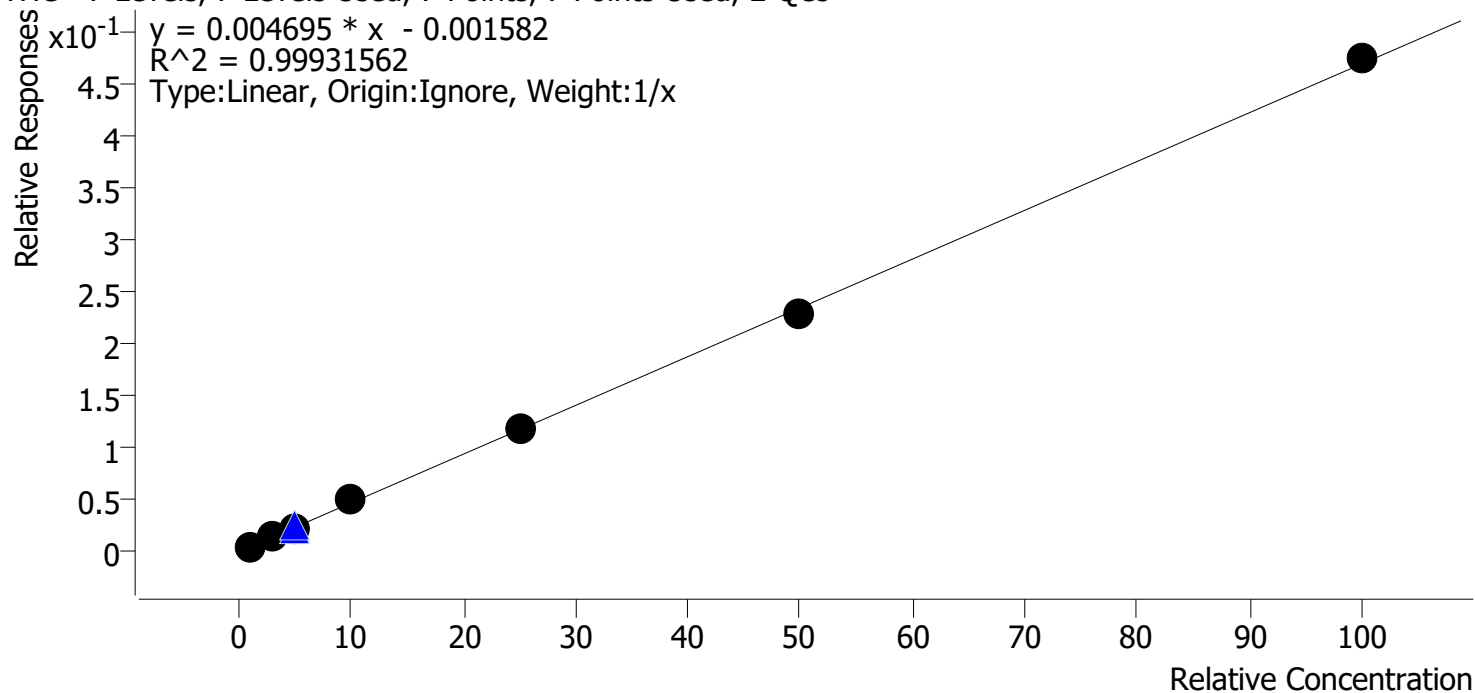
TS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Last Cal. Update 7/19/2024 10:13 AM
Analyst Name ISP\tsalazar
Analyte THC **Internal Standard** THC-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1 TS	1	✓	1.0	1.0	102.5
MJ Cal 2 TS	2	✓	3.0	3.0	98.9
MJ Cal 3 TS	3	✓	5.0	4.7	93.8
MJ Cal 4 TS	4	✓	10.0	10.6	106.1
MJ Cal 5 TS	5	✓	25.0	25.1	100.6
MJ Cal 6 TS	6	✓	50.0	48.5	97.0
MJ Cal 7 TS	7	✓	100.0	101.0	101.0

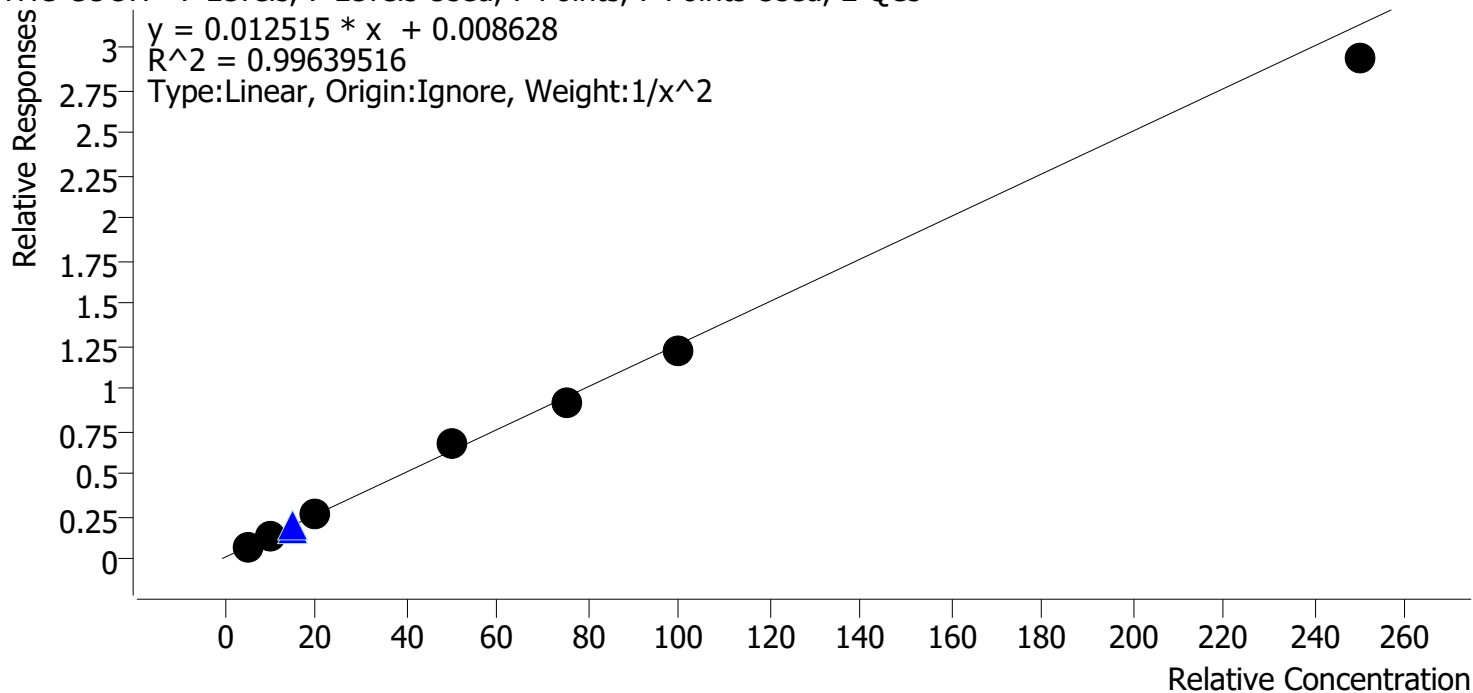
TS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Last Cal. Update 7/19/2024 10:13 AM
Analyst Name ISP\tsalazar
Analyte THC-COOH **Internal Standard** THC-COOH-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1 TS	1	✓	5.0	4.9	97.3
MJ Cal 2 TS	2	✓	10.0	10.3	102.6
MJ Cal 3 TS	3	✓	20.0	20.9	104.5
MJ Cal 4 TS	4	✓	50.0	53.8	107.5
MJ Cal 5 TS	5	✓	75.0	73.1	97.4
MJ Cal 6 TS	6	✓	100.0	97.2	97.2
MJ Cal 7 TS	7	✓	250.0	234.0	93.6

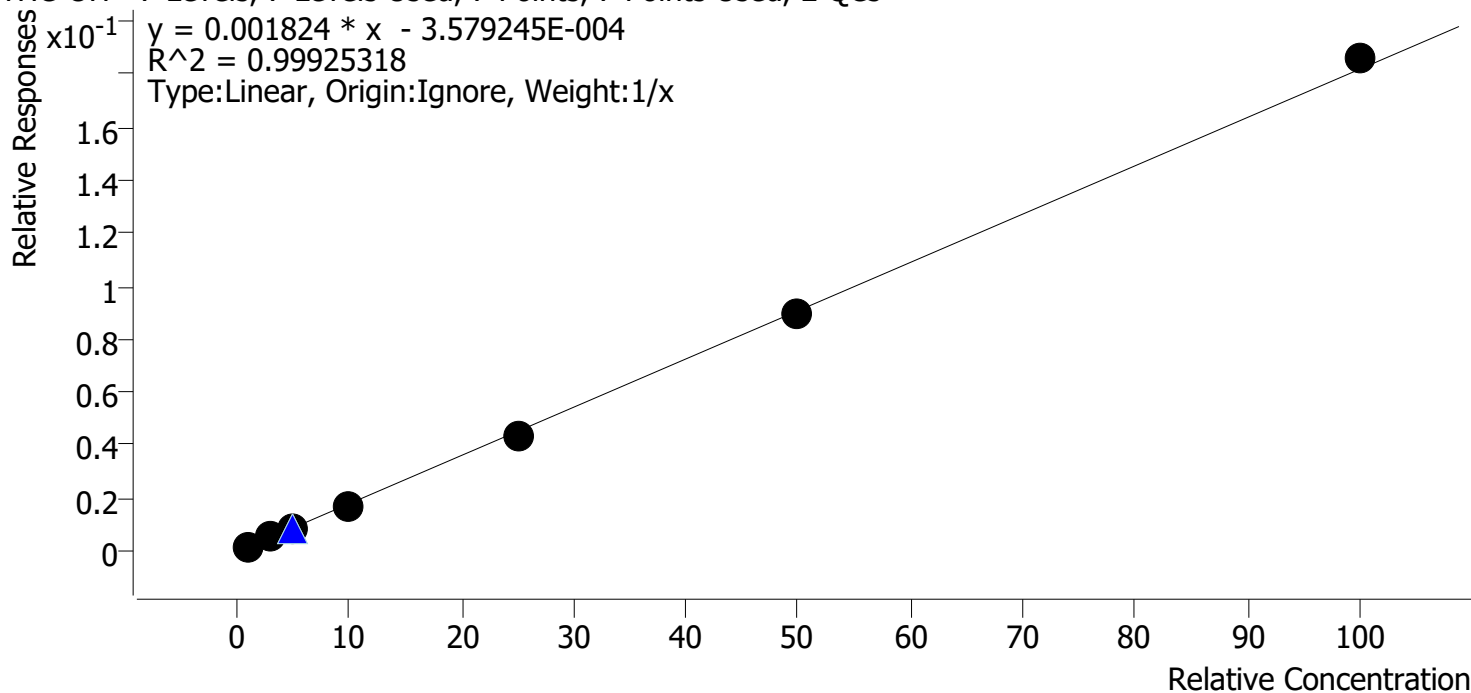
TS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Last Cal. Update 7/19/2024 10:13 AM
Analyst Name ISP\tsalazar
Analyte THC-OH **Internal Standard** THC-OH-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1 TS	1	✓	1.0	1.1	111.2
MJ Cal 2 TS	2	✓	3.0	3.0	99.0
MJ Cal 3 TS	3	✓	5.0	4.8	96.2
MJ Cal 4 TS	4	✓	10.0	9.7	96.7
MJ Cal 5 TS	5	✓	25.0	24.1	96.4
MJ Cal 6 TS	6	✓	50.0	49.2	98.4
MJ Cal 7 TS	7	✓	100.0	102.2	102.2

AM #26 Cannabinoids Screen Results

TS



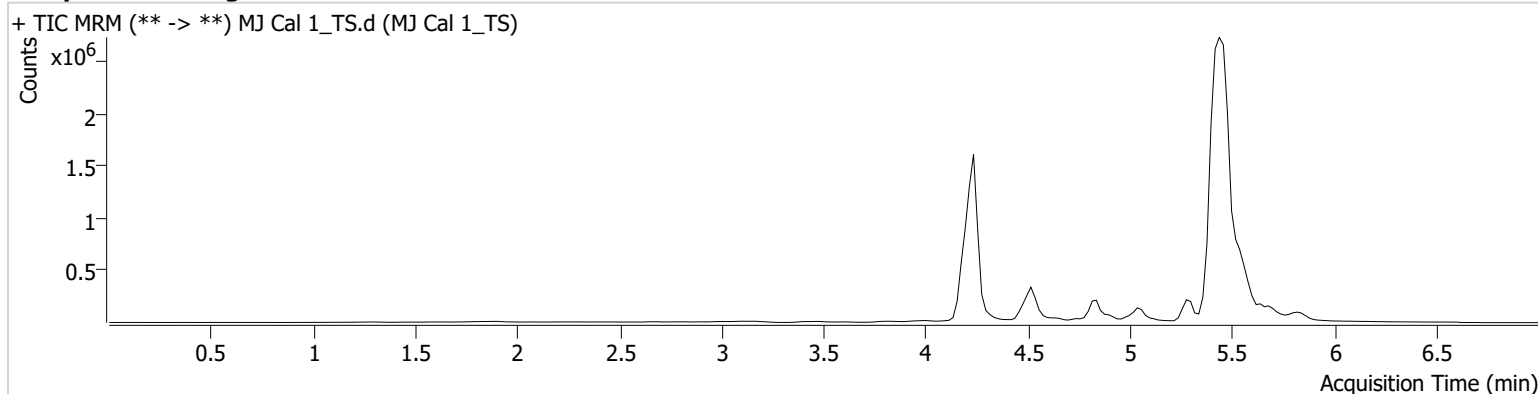
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P5-A1
Injection Volume 10
Acq. Date-Time 7/18/2024 10:14:48 PM
Sample Info.

Data File MJ Cal 1_TS.d
Sample MJ Cal 1_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.389	2209	683638	1.03 ng/ml Low
THC-COOH	4.556	82208	1182651	4.86 ng/ml Low
THC-OH	4.242	11110	6650610	1.11 ng/ml Low

AM #26 Cannabinoids Screen Results

TS



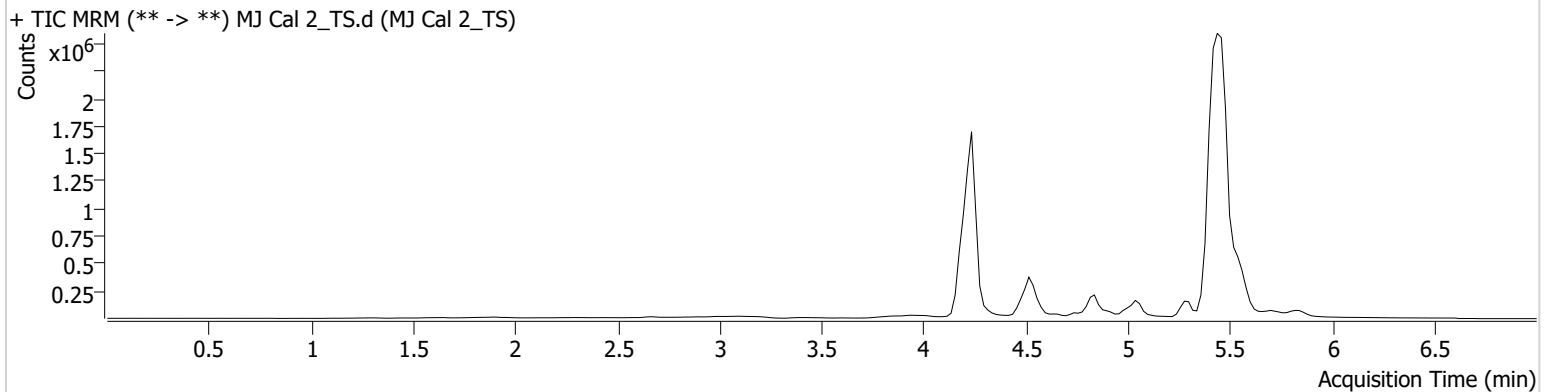
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P5-B1
Injection Volume 10
Acq. Date-Time 7/18/2024 10:22:32 PM
Sample Info.

Data File MJ Cal 2_TS.d
Sample MJ Cal 2_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.389	9160	741886	2.97 ng/ml Low
THC-COOH	4.556	169379	1236449	10.26 ng/ml
THC-OH	4.242	34487	6818348	2.97 ng/ml Low

AM #26 Cannabinoids Screen Results

TS



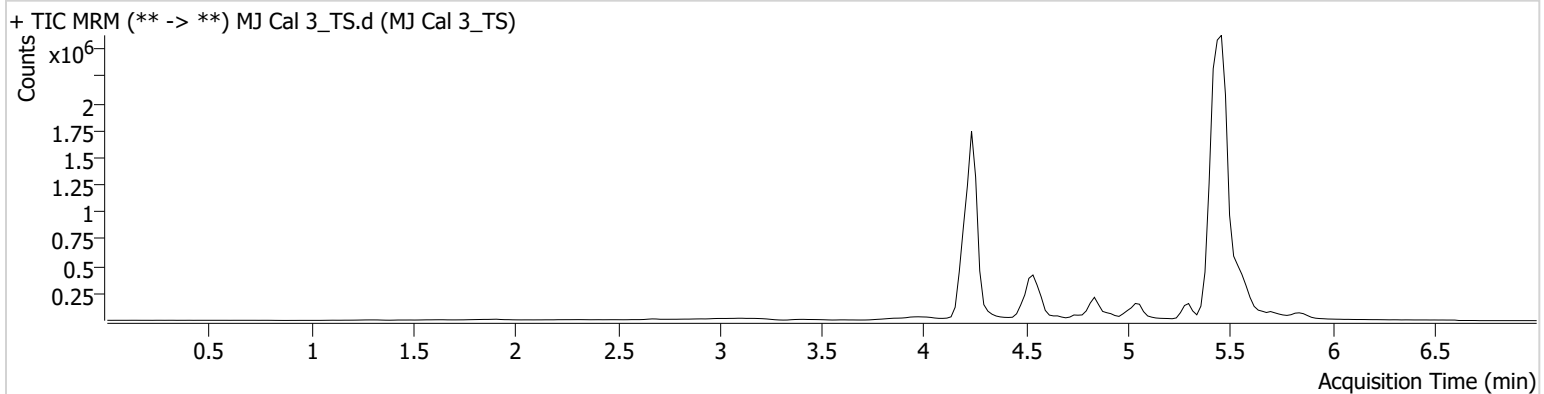
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P5-C1
Injection Volume 10
Acq. Date-Time 7/18/2024 10:30:07 PM
Sample Info.

Data File MJ Cal 3_TS.d
Sample MJ Cal 3_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.409	15288	747809	4.69 ng/ml
THC-COOH	4.556	325561	1205292	20.89 ng/ml
THC-OH	4.262	57169	6792666	4.81 ng/ml

AM #26 Cannabinoids Screen Results

TS



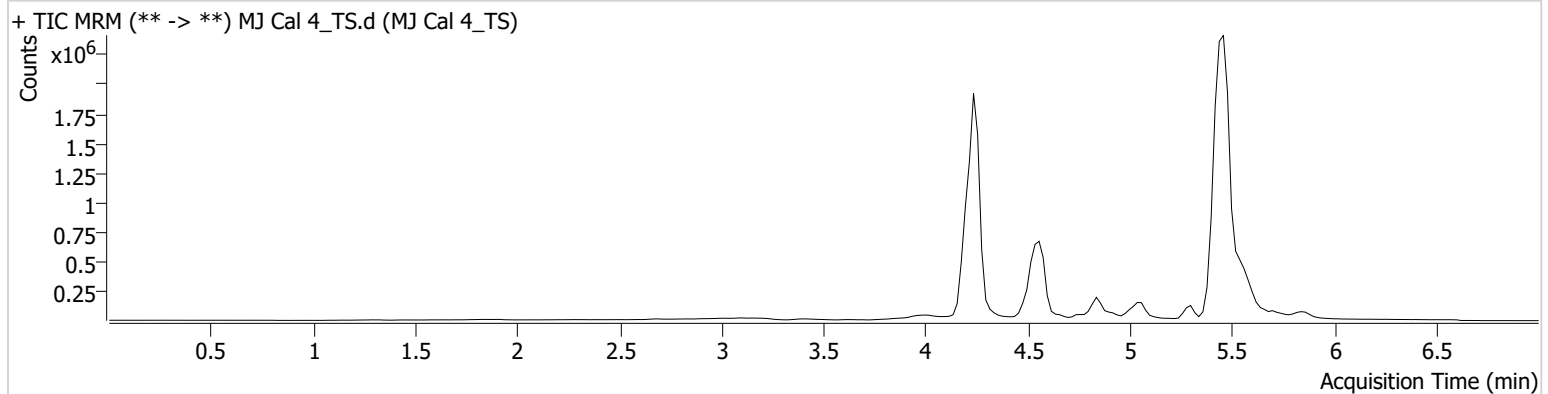
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P5-D1
Injection Volume 10
Acq. Date-Time 7/18/2024 10:37:42 PM
Sample Info.

Data File MJ Cal 4_TS.d
Sample MJ Cal 4_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.409	22496	466496	10.61 ng/ml
THC-COOH	4.556	835867	1226764	53.75 ng/ml
THC-OH	4.262	124898	7228990	9.67 ng/ml

AM #26 Cannabinoids Screen Results

TS



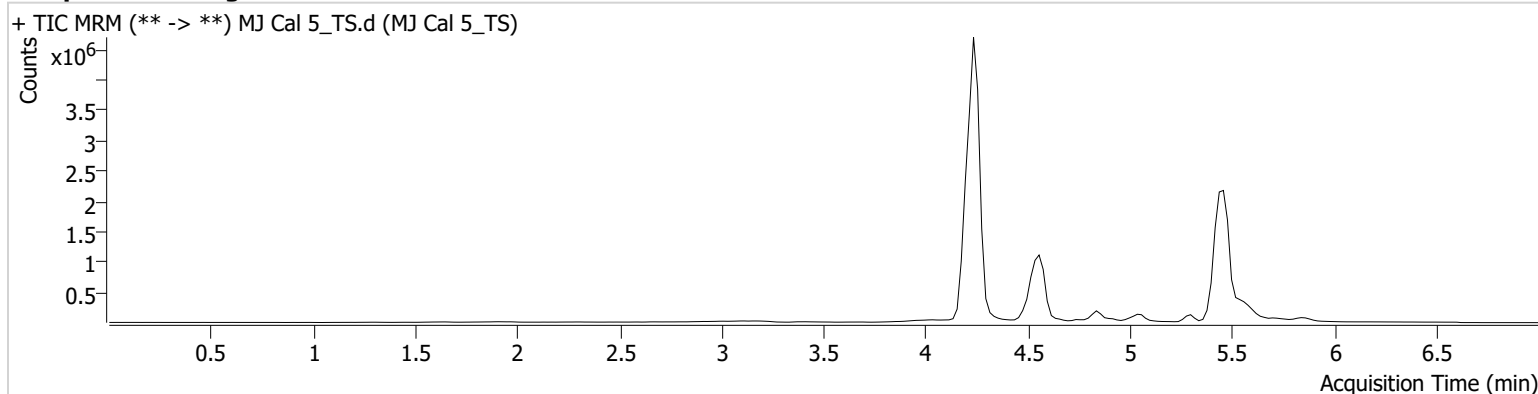
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P5-E1
Injection Volume 10
Acq. Date-Time 7/18/2024 10:45:16 PM
Sample Info.

Data File MJ Cal 5_TS.d
Sample MJ Cal 5_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.409	38654	331863	25.15 ng/ml
THC-COOH	4.556	1497341	1622423	73.05 ng/ml
THC-OH	4.262	653152	14988740	24.09 ng/ml

AM #26 Cannabinoids Screen Results

TS



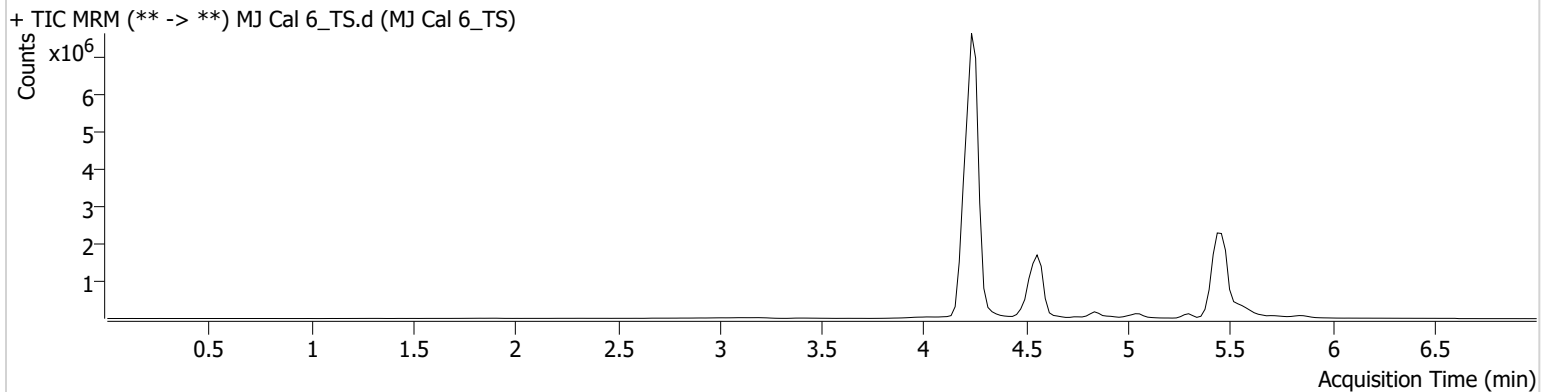
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P5-F1
Injection Volume 10
Acq. Date-Time 7/18/2024 10:52:50 PM
Sample Info.

Data File MJ Cal 6_TS.d
Sample MJ Cal 6_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.409	82246	363633	48.51 ng/ml
THC-COOH	4.556	2376665	1940399	97.18 ng/ml
THC-OH	4.262	1759779	19690184	49.20 ng/ml

AM #26 Cannabinoids Screen Results

TS



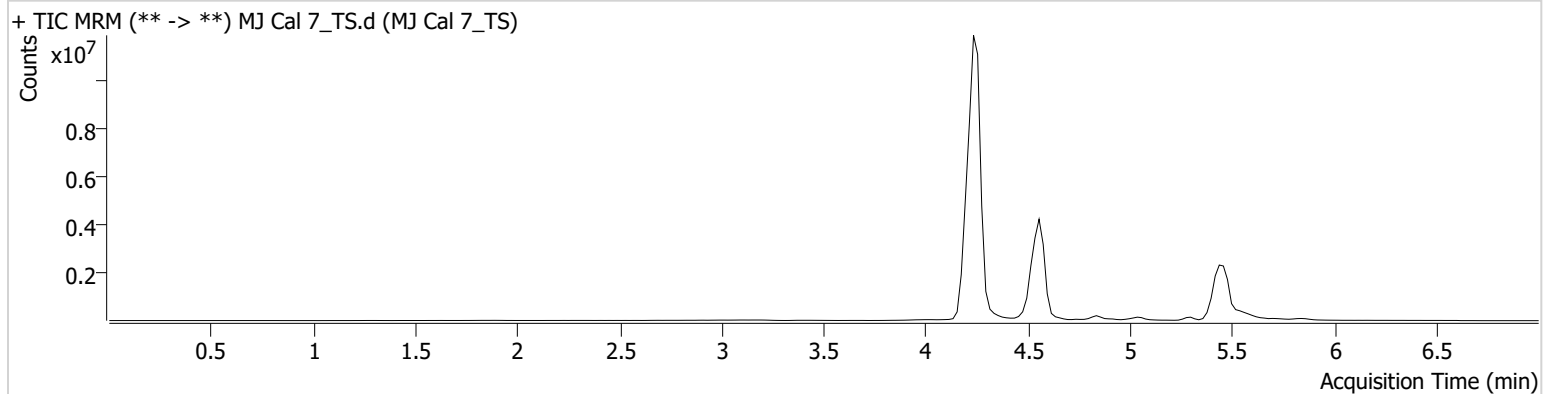
Batch results G:\TOX\Pocatello\Falco\2024\AM 25 26\071824 AM 25 26 CS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 7/19/2024 10:13:56 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P5-G1
Injection Volume 10
Acq. Date-Time 7/18/2024 11:00:25 PM
Sample Info.

Data File MJ Cal 7_TS.d
Sample MJ Cal 7_TS
Operator Tamara Salazar
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.	ISTD Resp.	Final Conc.
THC	5.409	182409	385783	101.05 ng/ml
THC-COOH	4.556	6213523	2115564	233.99 ng/ml
THC-OH	4.262	3714206	19973359	102.15 ng/ml