










Worklist: 6582

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4292	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4304	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4432	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4441	2 *	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4460	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4460	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4461	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4524	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4537	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4543	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4580	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4588	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4644	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4679	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-4746	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3312	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3320	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3323	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3364	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3378	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3396	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

*Unable to do AM 26 testing due to limited sample volume.

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-3406	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3411	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3411	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3415	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3422	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3423	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3452	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3455	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-3471	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: 11/14/2023

Plate lot#: 230712

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 1/12/2024

Mobile phase B: 0.1% Formic Acid in MeOH

Ethyl Acetate LC Methanol

Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

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

Post-Analytic

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

COMMENTS: The instrument stopped part way through the run. The run was restarted but there was retention time shifting so the run was just restarted.

	1	2	3	4	5	6	7	8	9	10	11	12
A									M2023-4441-2	M2023-4588-1	P2023-3378-1	P2023-3452-1
B									M2023-4460-1	M2023-4644-2	P2023-3396-1	P2023-3455-1
C									M2023-4460-2	M2023-4679-2	P2023-3406-1	P2023-3471-1
D									M2023-4461-1	M2023-4746-3	P2023-3411-1	NEG CTRL
E									M2023-4524-2	P2023-3312-1	P2023-3411-2	
F								M2023-4292-3	M2023-4537-1	P2023-3320-1	P2023-3415-1	
G								M2023-4304-1	M2023-4543-3	P2023-3323-1	P2023-3422-1	
H								M2023-4432-2	M2023-4580-1	P2023-3364-2	P2023-3423-1	CAL



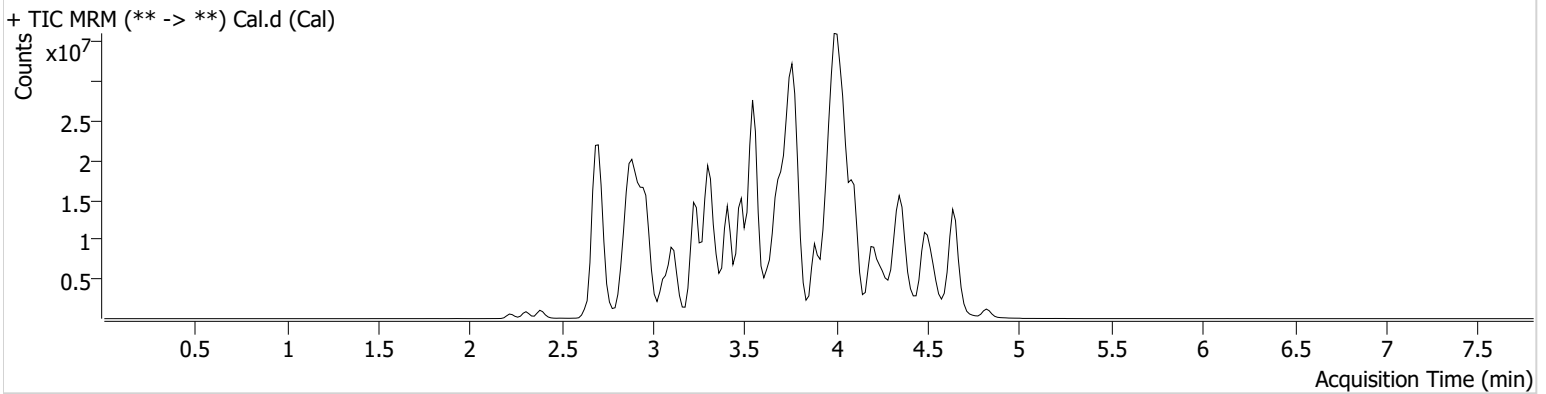
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/28/2023 11:39:52 AM

Instrument Falco (069901) **Data File** Cal.d
Type Cal **Sample** Cal
Acq. Method AM 25 MDS.m **Operator** Celena Shrum
Sample Position P2-H12 **Comment**
Injection Volume 5
Acq. Date-Time 11/15/2023 12:01:05 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
10-OH-Carbamazepine	3.765	2502026	176.10	110.8	782.83	17941626	10.0000 ng/ml
6-MAM	2.836	64196	19335.24	72.7	16981.73	2043542	10.0000 ng/ml
7-aminoclonazepam	3.546	1524538	3116.55	88.0	247.34	7895448	10.0000 ng/ml
7-aminoflunitrazepam	3.761	2826793	491.98	22.3	124.78	7895448	10.0000 ng/ml
9-Hydroxyrisperidone	3.769	10266351	1403.90	2.6	60923.68	36771238	10.0000 ng/ml
Acetyl Fentanyl	3.727	460050	88306.81	82.2	143231.78	37837473	10.0000 ng/ml
Acetyl Norfentanyl	2.890	607353	2415.97	32.7	393.11	37837473	10.0000 ng/ml
a-hydroxyalprazolam	4.498	304124	193.80	39.0	52731.32	7895448	10.0000 ng/ml
alpha-hydroxymidazolam	4.466	2929863	685.08	54.1	238.16	7895448	10.0000 ng/ml
Alpha-PHP	3.750	7589381	16518.16	34.3	12669.25	37837473	10.0000 ng/ml
alpha-PVP	3.489	12347175	840.00	43.0	977.69	17139356	10.0000 ng/ml
Alprazolam	4.608	3339453	228.84	89.3	272.21	29284634	10.0000 ng/ml
Amitriptyline	4.366	2629726	743.79	67.9	1263.57	8106696	10.0000 ng/ml
Amphetamine	2.879	4506940	878.81	238.4	7378.11	17139356	10.0000 ng/ml
Benzoylcgonine	3.376	169977	51192.30	26.0	563.56	702386	10.0000 ng/ml
Bromazolam	4.665	1305953	10103.48	132.4	3019.60	29284634	10.0000 ng/ml
Brompheniramine	3.974	136463	47861.01	924.2	1650908.79	54350706	10.0000 ng/ml
Buprenorphine	4.000	76564	39418.67	15.9	7956.70	3463598	10.0000 ng/ml
Bupropion	3.688	7901101	6146.27	62.5	3766.19	29617269	10.0000 ng/ml
Carbamazepine	4.214	12503275	26236.37	90.1	2159.32	191158	10.0000 ng/ml
Carisoprodol	4.197	991879	370.34	65.9	107.76	6795647	10.0000 ng/ml
Chlordiazepoxide	4.517	555264	213.52	190.7	312.28	29284634	10.0000 ng/ml
Chlorpheniramine	3.886	11205744	4192.38	0.2	600.50	20657140	10.0000 ng/ml
Chlorpromazine	4.530	1399008	1111862.03	132.5	321778.98	5521635	10.0000 ng/ml
Citalopram	4.020	4573294	638.21	33.1	1151210.30	54350706	10.0000 ng/ml
Clomipramine	4.561	1408829	335786.14	86.4	6312.25	54350706	10.0000 ng/ml
Clonazepam	4.422	1691487	711.72	25.2	3987.06	191158	10.0000 ng/ml
Clonazolam	4.357	1875739	924465.50	29.1	331009.79	29284634	10.0000 ng/ml
Clozapine	4.097	6049905	1148.97	77.8	3233.52	26606256	10.0000 ng/ml
Cocaethylene	3.743	7742787	3624528.84	44.1	2121352.07	36569756	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaine	3.544	7952922	4469151.41	20.3	832890.59	36569756	10.0000 ng/ml
Codeine	2.733	477309	613.53	92.7	638.59	12650282	10.0000 ng/ml
Cyclobenzaprine	4.288	3628276	645.39	8.8	175.75	8106696	10.0000 ng/ml
Desipramine	4.320	6107048	1114.04	40.0	1677.56	8106696	10.0000 ng/ml
Dextromethorphan	4.025	3621977	713.09	79.6	898.18	20657140	10.0000 ng/ml
Dextrorphan	3.348	4271791	3342.40	54.7	1730994.76	20657140	10.0000 ng/ml
Diazepam	4.826	1962870	484.64	91.2	758.50	29284634	10.0000 ng/ml
Dihydrocodeine	2.701	1405990	893.57	59.2	435.19	12650282	10.0000 ng/ml
Diphenhydramine	3.995	16489057	3394.37	26.4	1911.58	54350706	10.0000 ng/ml
DMT	2.953	396984	1950.36	195.6	6613.60	20657140	10.0000 ng/ml
Doxepin	4.086	3311987	1238.12	43.2	190.79	30391599	10.0000 ng/ml
Doxylamine	3.562	14996401	19775.90	93.2	929.94	20657140	10.0000 ng/ml
Duloxetine	4.286	64880	40464.17	1011.9	33498.47	807405	10.0000 ng/ml
EDDP	4.055	912362	174.24	53.6	14866.77	5183836	10.0000 ng/ml
Etazolam	4.518	4734829	1998.50	50.2	504.62	29284634	10.0000 ng/ml
Etizolam	4.619	393998	192408.20	329.1	653107.12	29284634	10.0000 ng/ml
Fentanyl	3.942	342183	416.07	77.6	192896.27	28204174	10.0000 ng/ml
Flualprazolam	4.467	1108486	765461.46	151.7	12870.20	29284634	10.0000 ng/ml
Flunitrazepam	4.531	1062122	179.77	35.0	77.09	29284634	10.0000 ng/ml
Fluorofentanyl	3.971	715177	87067.09	78.8	1114.30	28204174	10.0000 ng/ml
Fluoxetine	4.285	2176003	640385.55	7.1	99.78	2425435	10.0000 ng/ml
Flurazepam	4.063	4457015	726.15	24.4	313.79	29284634	10.0000 ng/ml
Hydrocodone	2.916	1896173	2936.28	36.7	683.90	12650282	10.0000 ng/ml
Hydromorphone	2.384	1711845	581.49	78.4	1453.34	410460	10.0000 ng/ml
Hydroxyzine	4.387	2948394	153834.70	79.5	891.24	26606256	10.0000 ng/ml
Imipramine	4.334	7896768	2377.82	63.5	1260.85	8106696	10.0000 ng/ml
Ketamine	3.319	6201622	4601.21	36.7	578.41	18441376	10.0000 ng/ml
Lamotrigine	3.456	587778	2540.70	70.4	33309.71	54350706	10.0000 ng/ml
Levamisole	2.891	5450984	8929.11	85.5	1339.15	36569756	10.0000 ng/ml
Levetiracetam	2.649	3027556	1020.35	54.9	915.78	54350706	10.0000 ng/ml
Lorazepam	4.422	626732	2683.65	258.3	220.37	29284634	10.0000 ng/ml
Maprotiline	4.366	1677257	290.45	67.6	362705.03	8106696	10.0000 ng/ml
MDA	2.984	2549283	299.52	43.9	1143.45	41586194	10.0000 ng/ml
MDEA	3.213	7115071	1641.43	51.4	771.96	41586194	10.0000 ng/ml
MDMA	3.060	8772299	1368.74	48.6	1218.02	41586194	10.0000 ng/ml
Meperidine	3.549	4164788	1315.72	54.2	16865.98	20657140	10.0000 ng/ml
Meprobamate	3.659	474571	2042.70	22.1	38.87	6795647	10.0000 ng/ml
Methadone	4.346	11451745	2505.12	43.2	820.62	5183836	10.0000 ng/ml
Methamphetamine	2.970	8993922	∞	42.6	4245.47	41586194	10.0000 ng/ml
Methocarbamol	3.565	335881	1027.56	81.0	387839.98	5183836	10.0000 ng/ml
Methylphenidate	3.489	21050490	2406.55	20.8	4196.68	23417378	10.0000 ng/ml
Metoprolol	3.424	1236548	772811.11	105.5	1116.49	20657140	10.0000 ng/ml
Midazolam	4.313	857141	546.82	89.0	1907.74	29284634	10.0000 ng/ml
Mirtazapine	3.624	4761243	6384.56	207.2	5015939.96	20657140	10.0000 ng/ml
Mitragynine	4.078	773987	332938.72	231.2	1735319.29	20657140	10.0000 ng/ml
Morphine	2.218	369357	∞	91.4	1354.12	410460	10.0000 ng/ml
Norbuprenorphine	3.785	80280	28.24	91.3	42427.53	3463598	10.0000 ng/ml
Nordiazepam	4.674	1831271	1297.59	66.0	746.52	29284634	10.0000 ng/ml
Norfentanyl	3.319	10257519	16929.76	36.8	9506.50	37837473	10.0000 ng/ml
Norhydrocodone	2.902	234556	97.01	36.6	11376.06	410460	10.0000 ng/ml
Norketamine	3.289	815924	376.14	559.2	18326.24	18441376	10.0000 ng/ml
Normeperidine	3.581	3209428	393.05	69.2	809.88	54350706	10.0000 ng/ml
Noroxycodone	2.870	1382039	∞	26.9	701.95	18441376	10.0000 ng/ml
Nortriptyline	4.367	1416171	688.74	66.3	244.44	8106696	10.0000 ng/ml
O-desmethyl-tramadol	2.904	13843555	1885.54	5.5	81.80	54350706	10.0000 ng/ml
O-desmethylvenlafaxine	3.240	2825132	944.28	659.9	6701.44	18218293	10.0000 ng/ml
Olanzapine	3.128	1267124	2854.72	35.5	394.37	191158	10.0000 ng/ml
Oxazepam	4.502	2394053	339.10	75.4	307.34	18774387	10.0000 ng/ml
Oxycodone	2.868	4300763	1237.02	26.4	718.30	18441376	10.0000 ng/ml



AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxymorphone	2.305	1775482	∞	39.4	4437.09	410460	10.0000 ng/ml
Paroxetine	4.282	265689	104.15	52.9	44721.79	2425435	10.0000 ng/ml
Phenazepam	4.619	2542448	745968.20	62.5	968323.89	29284634	10.0000 ng/ml
Phencyclidine	3.889	9875027	1507.87	57.4	1874.81	20657140	10.0000 ng/ml
Phentermine	3.139	1652748	101.57	7.5	65.34	23417378	10.0000 ng/ml
Phenytoin	4.120	453099	5888.58	71.6	1122.66	191158	10.0000 ng/ml
Primidone	3.475	1183091	719979.50	91.0	347.07	191158	10.0000 ng/ml
Promethazine	4.256	9955896	5477010.63	31.8	11486.65	54350706	10.0000 ng/ml
Pseudoephedrine	2.710	63775212	17483.57	41.7	13134.96	41586194	10.0000 ng/ml
Quetiapine	4.187	6463566	781141.43	47.1	1559.70	45217303	10.0000 ng/ml
Risperidone	3.955	8644809	2733591.53	11.7	1545.71	36771238	10.0000 ng/ml
Sertraline	4.501	484248	9267.62	97.3	219616.10	2425435	10.0000 ng/ml
Sufentanil	4.186	286094	81995.74	74.8	18935.82	37837473	10.0000 ng/ml
Tapentadol	3.429	8236233	941.15	36.3	345.76	18441376	10.0000 ng/ml
Temazepam	4.656	5641080	2925.58	27.8	212.87	29284634	10.0000 ng/ml
Topiramate	3.834	56504	15590.96	18.5	2138.33	122221	10.0000 ng/ml
Tramadol	3.409	28979577	∞	1.5	133.00	54350706	10.0000 ng/ml
Trazodone	4.002	6017161	3482.91	78.3	3367.80	30391599	10.0000 ng/ml
Venlafaxine	3.778	9241209	1537.34	28.7	1434.43	18218293	10.0000 ng/ml
Xylazine	3.351	4515674	3364.59	42.4	104.73	18441376	10.0000 ng/ml
Zaleplon	4.332	1856829	783904.55	67.5	549860.06	45217303	10.0000 ng/ml
Zolpidem	3.729	12689480	7860069.56	26.1	17158.47	45217303	10.0000 ng/ml
Zopiclone	3.678	629935	192560.07	62.2	111946.57	3116335	10.0000 ng/ml

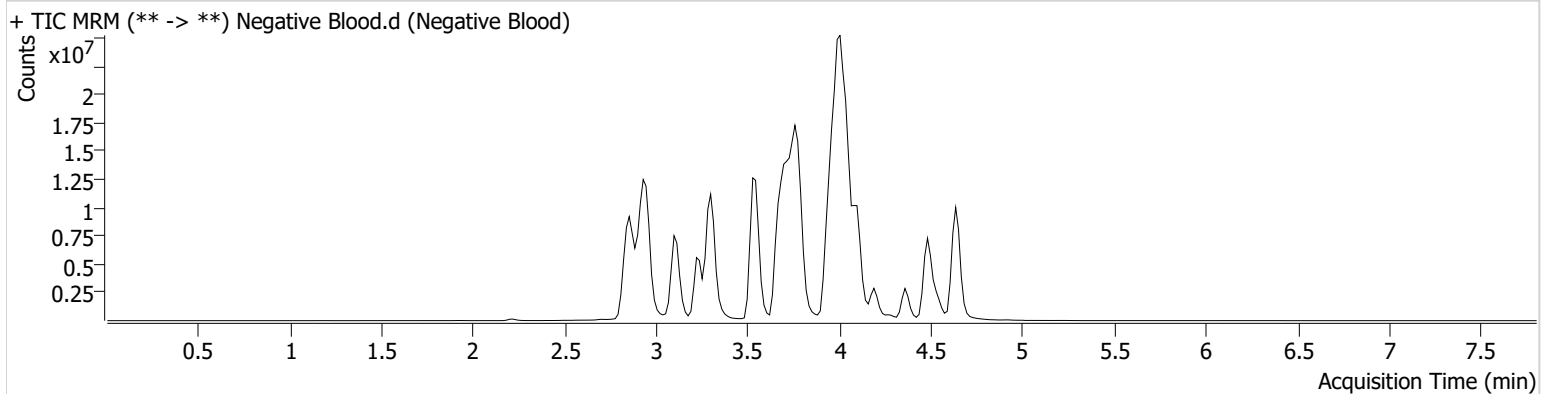
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/28/2023 11:39:52 AM

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-D12	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	11/15/2023 12:09:39 PM		
Sample Info.			

Sample Chromatogram



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

Extraction Date: 11/14/2023
Plate lot#: 230627
Mobile phase A: 10mM Amm Form
Blank Blood Lot: Lampire 23E52981
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 12/27/2023
Mobile phase B: 0.1% Formic Acid in MeOH
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
- 2. Make any necessary integration changes, 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:

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2023-4524-2	P2023-3312-1	P2023-3411-2	
b	cal 3 ng	NEG CTRL	M2023-4537-1	P2023-3320-1	P2023-3415-1	
c	cal 5 ng	M2023-4292-3	M2023-4543-3	P2023-3323-1	P2023-3422-1	
d	cal 10ng	M2023-4304-1*	M2023-4580-1	P2023-3364-2	P2023-3423-1	
e	cal 25 ng	M2023-4432-2	M2023-4588-1	P2023-3378-1	P2023-3452-1	
f	cal 50 ng	M2023-4460-1	M2023-4644-2	P2023-3396-1	P2023-3455-1	
g	cal 100 ng	M2023-4460-2	M2023-4679-2	P2023-3406-1	P2023-3471-1	
h	QC 1	M2023-4461-1	M2023-4746-3	P2023-3411-1	M2023-4304-1*	

*Moved during SLE portion of the extraction

AM #26 Cannabinoids Screen Results



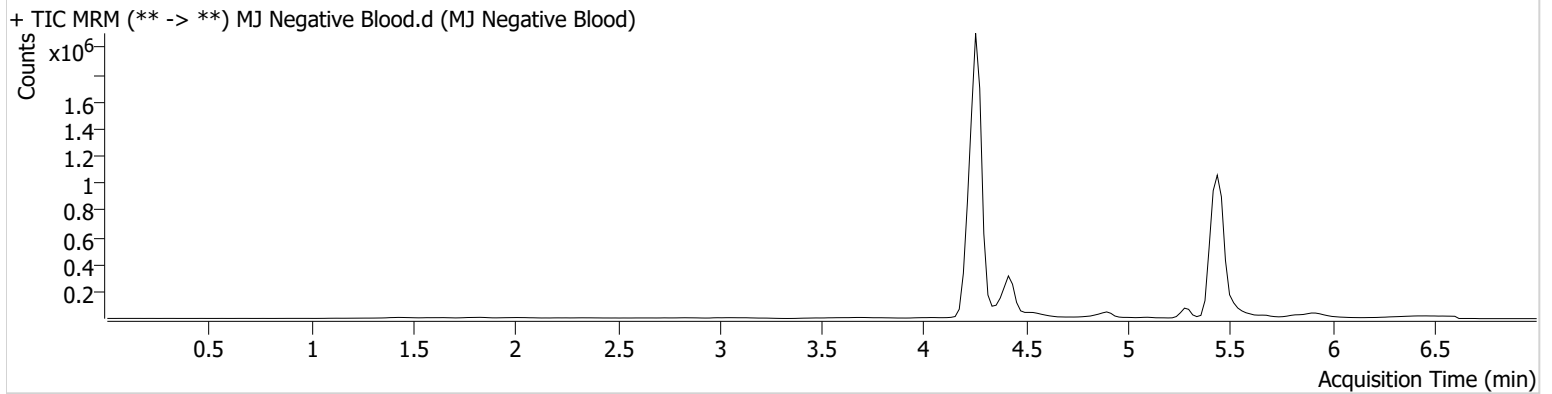
Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 11/14/2023 1:55:00 PM
Sample Info.

Data File MJ Negative Blood.d
Sample MJ Negative Blood
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





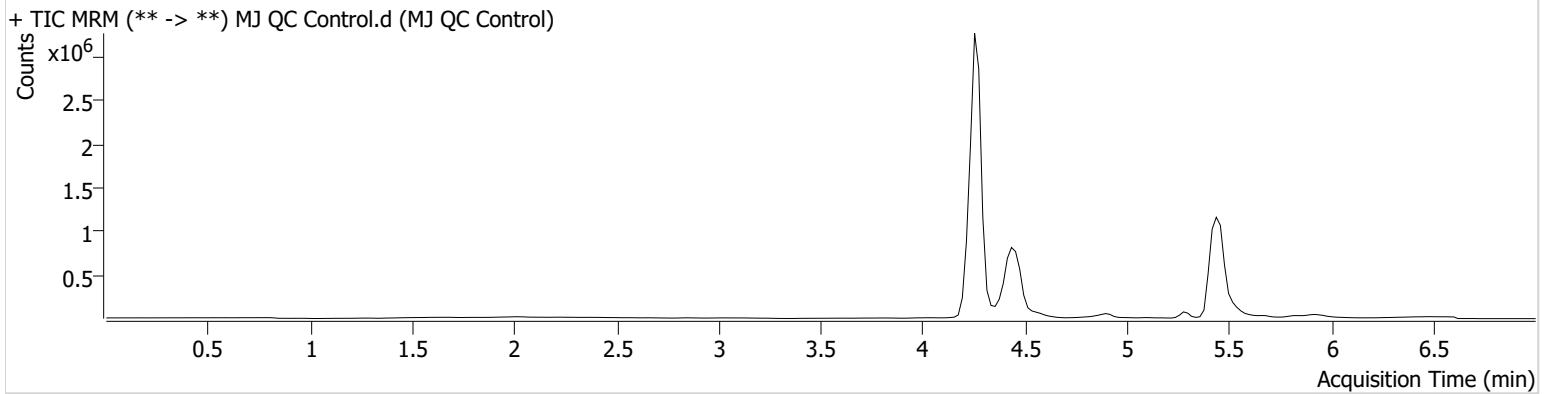
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 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**
Injection Volume 10
Acq. Date-Time 11/14/2023 1:39:50 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	5279	25.17	426.6 High	∞	199864	3.8187 ng/ml
THC-COOH	4.456	725133	∞	159.9	∞	2461836	14.2633 ng/ml
THC-OH	4.282	95740	331.05	776.5	∞	11854260	4.6777 ng/ml



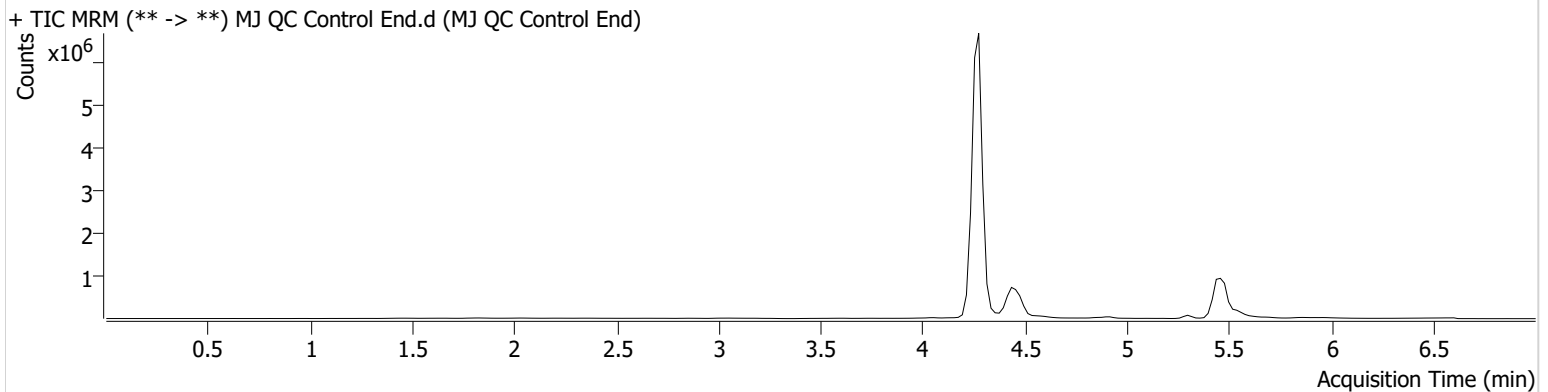
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901) Data File MJ QC Control End.d
Type QC Sample MJ QC Control End
Acq. Method AM 26 THC.m Operator Celena Shrum
Sample Position P1-A2 Comment
Injection Volume 10
Acq. Date-Time 11/14/2023 6:11:34 PM
Sample Info.

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

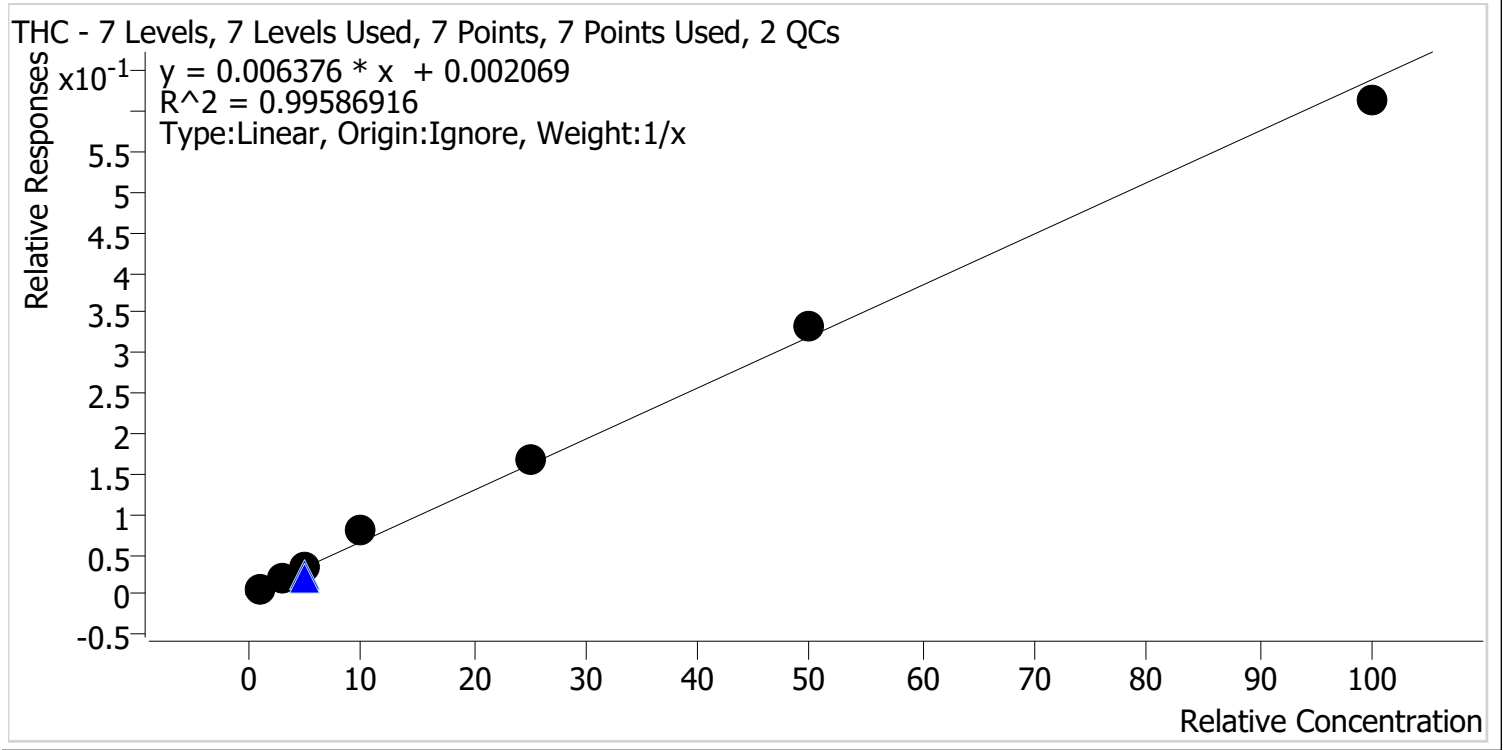


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	5153	∞	354.1 High	∞	224879	3.2693 ng/ml
THC-COOH	4.476	549442	∞	159.4	∞	2232075	11.9598 ng/ml
THC-OH	4.282	151638	∞	788.2	∞	22690727	3.9013 ng/ml



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 11/28/2023 11:40 AM
Analyst Name ISP\Datastor
Analyte THC **Internal Standard** THC-D3

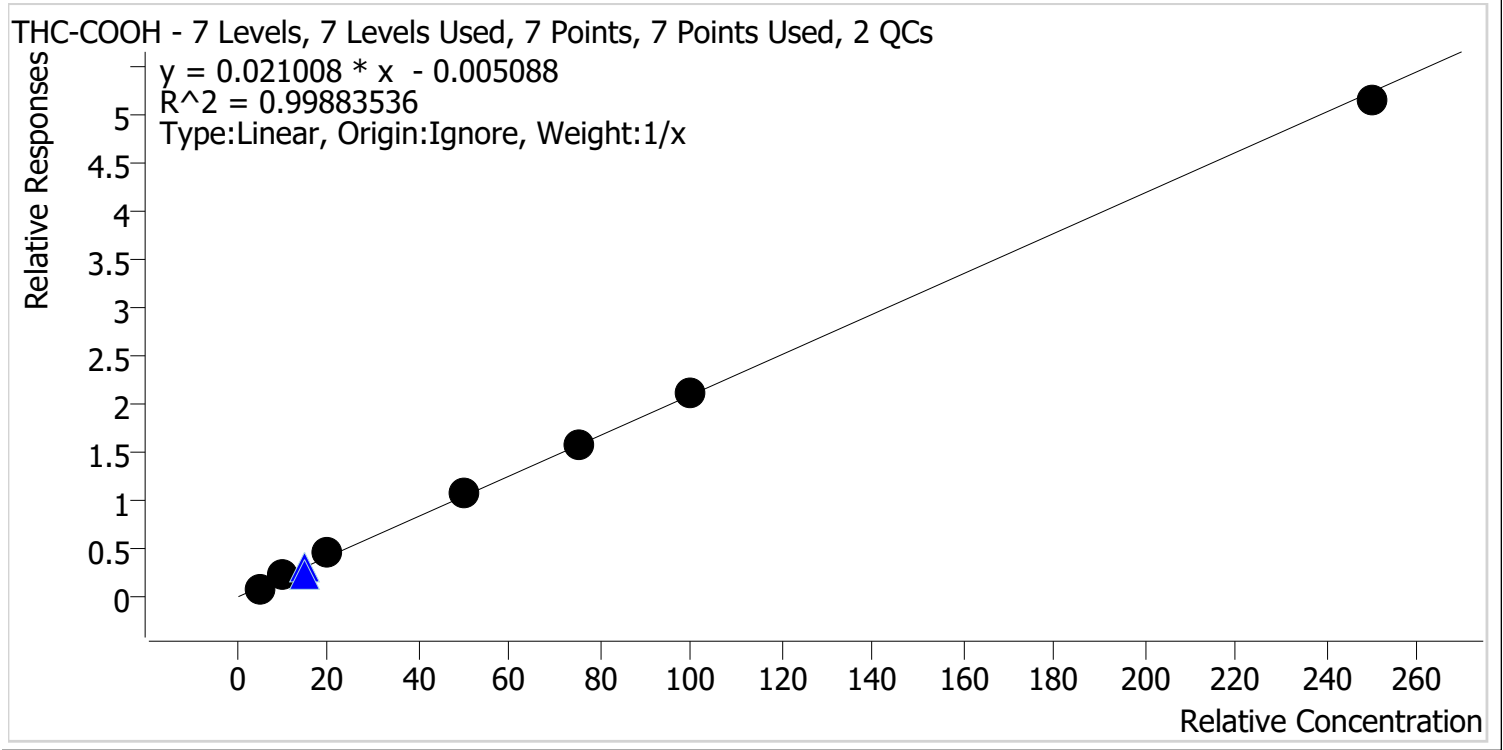


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	0.9	87.3
MJ Cal 2	2	✓	3.0	2.7	90.7
MJ Cal 3	3	✓	5.0	5.0	99.7
MJ Cal 4	4	✓	10.0	12.0	119.7
MJ Cal 5	5	✓	25.0	25.8	103.1
MJ Cal 6	6	✓	50.0	51.8	103.5
MJ Cal 7	7	✓	100.0	95.9	95.9



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 11/28/2023 11:40 AM
Analyst Name ISP\Datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9



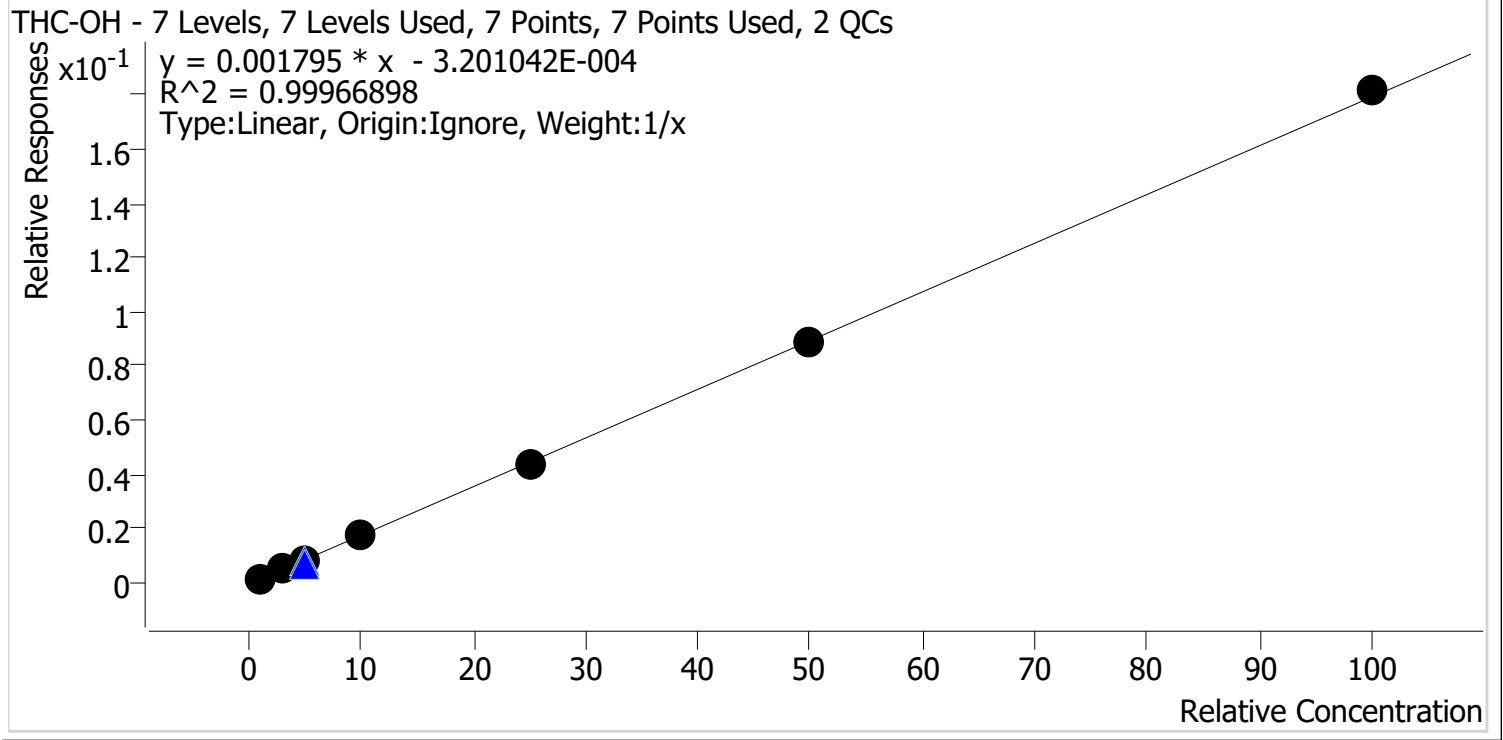
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	4.2	83.4
MJ Cal 2	2	✓	10.0	10.6	105.7
MJ Cal 3	3	✓	20.0	21.4	107.2
MJ Cal 4	4	✓	50.0	52.1	104.3
MJ Cal 5	5	✓	75.0	75.3	100.3
MJ Cal 6	6	✓	100.0	100.8	100.8
MJ Cal 7	7	✓	250.0	245.6	98.2

CS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 11/28/2023 11:40 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	110.0
MJ Cal 2	2	✓	3.0	2.9	97.6
MJ Cal 3	3	✓	5.0	4.8	96.2
MJ Cal 4	4	✓	10.0	9.8	97.8
MJ Cal 5	5	✓	25.0	24.5	97.8
MJ Cal 6	6	✓	50.0	49.6	99.3
MJ Cal 7	7	✓	100.0	101.3	101.3



AM #26 Cannabinoids Screen Results

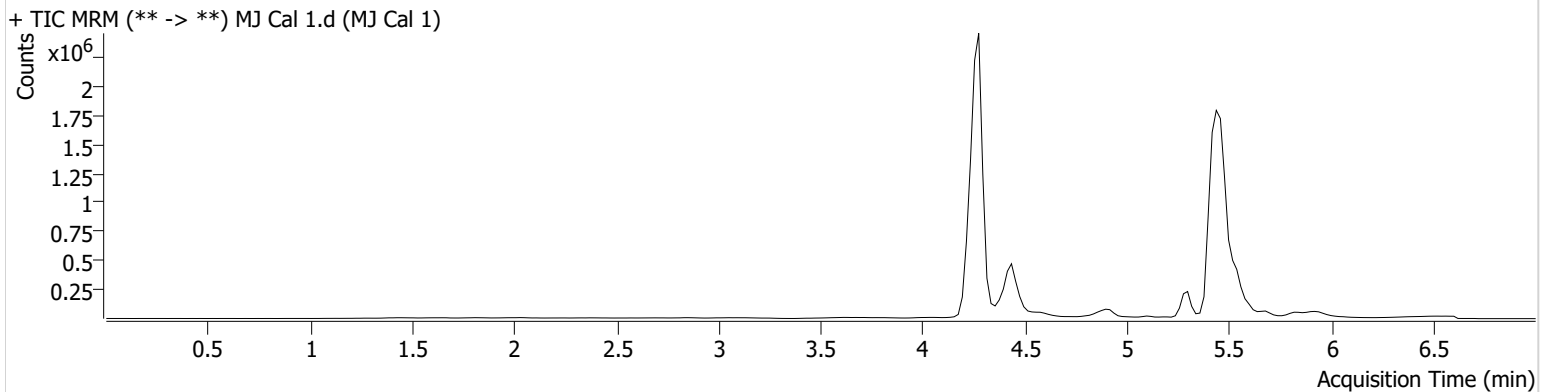
Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 11/14/2023 12:46:41 PM
Sample Info.

Data File MJ Cal 1.d
Sample MJ Cal 1
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.510	3233	19.94	880.4 High	∞	423394	0.8731 ng/ml
THC-COOH	4.476	140278	∞	172.1	∞	1699995	4.1701 ng/ml
THC-OH	4.282	16560	∞	774.5	∞	10010115	1.1000 ng/ml



AM #26 Cannabinoids Screen Results

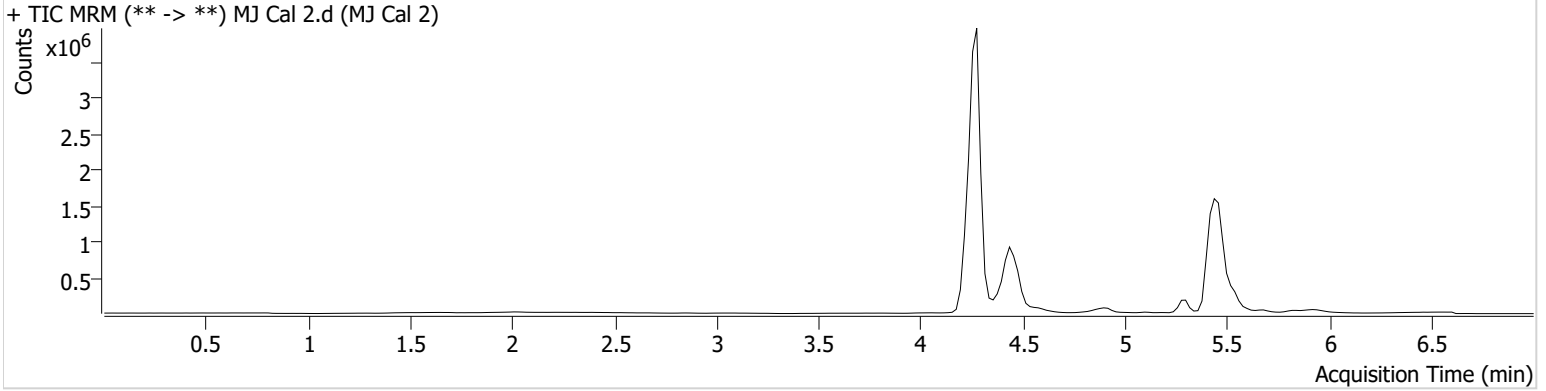
Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 11/14/2023 12:54:25 PM
Sample Info.

Data File MJ Cal 2.d
Sample MJ Cal 2
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	8475	∞	335.3 High	∞	436403	2.7214 ng/ml
THC-COOH	4.476	637169	∞	168.0	∞	2936368	10.5715 ng/ml
THC-OH	4.282	77599	∞	795.9	∞	15723851	2.9277 ng/ml



AM #26 Cannabinoids Screen Results

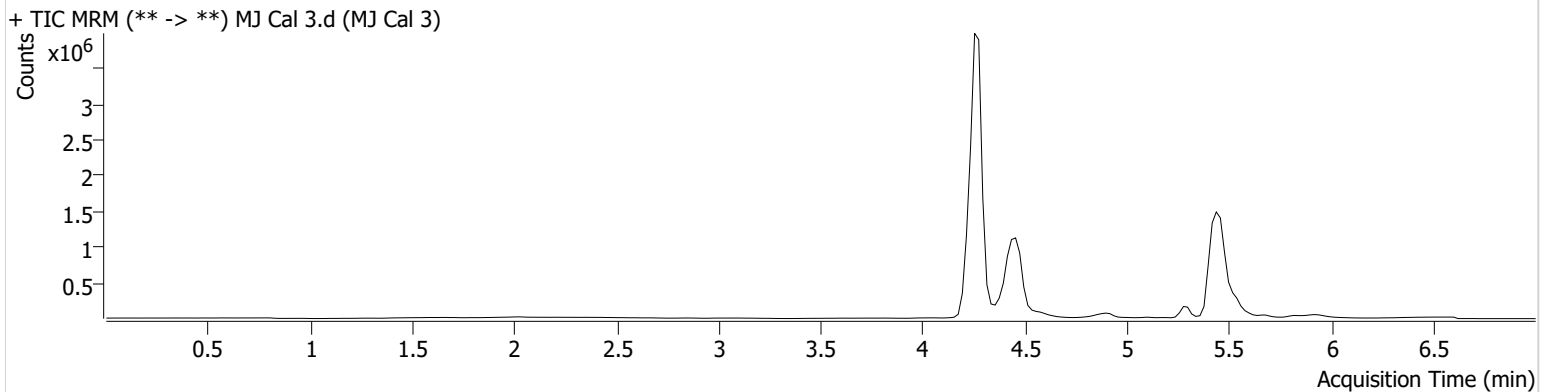
Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 11/14/2023 1:02:00 PM
Sample Info.

Data File MJ Cal 3.d
Sample MJ Cal 3
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	12435	84.31	237.1	∞	367273	4.9860 ng/ml
THC-COOH	4.456	1264390	∞	149.5	∞	2839533	21.4385 ng/ml
THC-OH	4.282	129526	∞	787.6	∞	15578788	4.8102 ng/ml



AM #26 Cannabinoids Screen Results

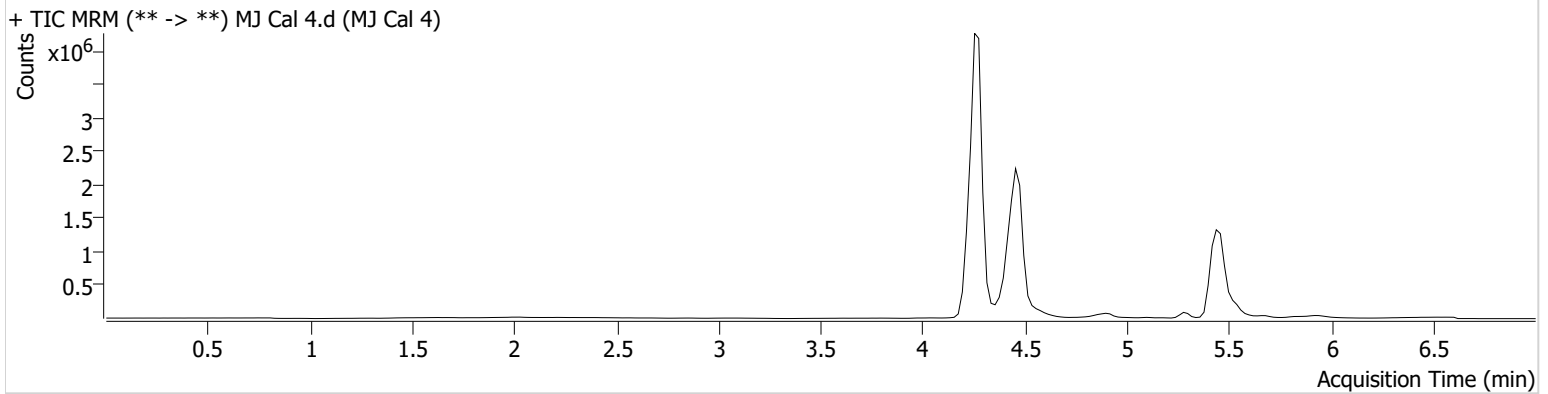
Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 11/14/2023 1:09:34 PM
Sample Info.

Data File MJ Cal 4.d
Sample MJ Cal 4
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	28991	∞	110.8 Low	∞	369730	11.9739 ng/ml
THC-COOH	4.456	3180000	∞	159.0	∞	2917072	52.1348 ng/ml
THC-OH	4.282	272721	∞	761.6	∞	15817659	9.7836 ng/ml

AM #26 Cannabinoids Screen Results



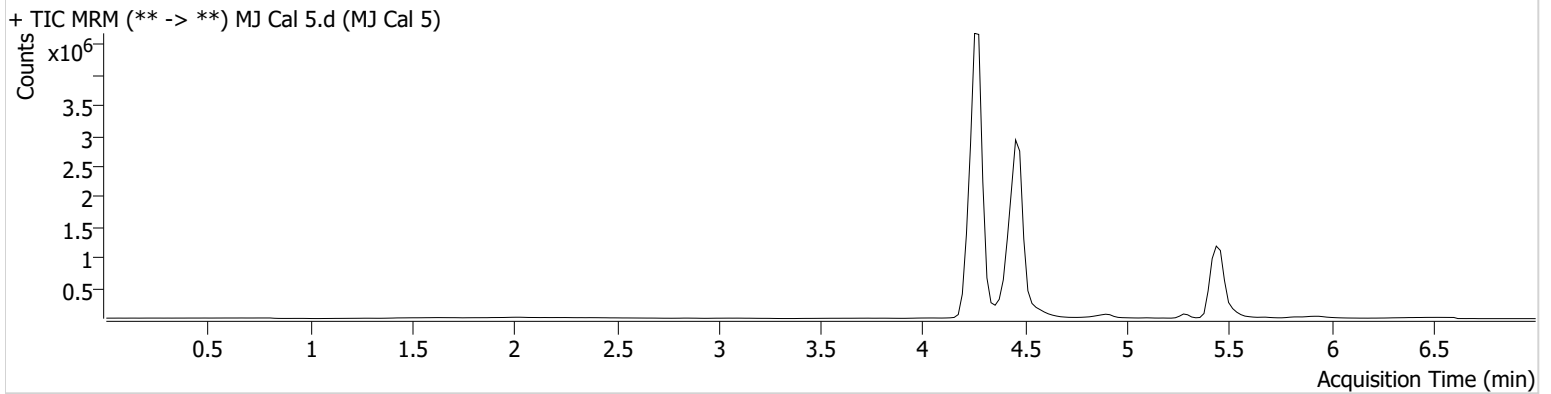
Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 11/14/2023 1:17:08 PM
Sample Info.

Data File MJ Cal 5.d
Sample MJ Cal 5
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	43539	∞	72.2 Low	∞	261746	25.7650 ng/ml
THC-COOH	4.456	4454131	∞	159.2	∞	2826300	75.2610 ng/ml
THC-OH	4.282	647351	∞	762.1	∞	14857650	24.4512 ng/ml



AM #26 Cannabinoids Screen Results

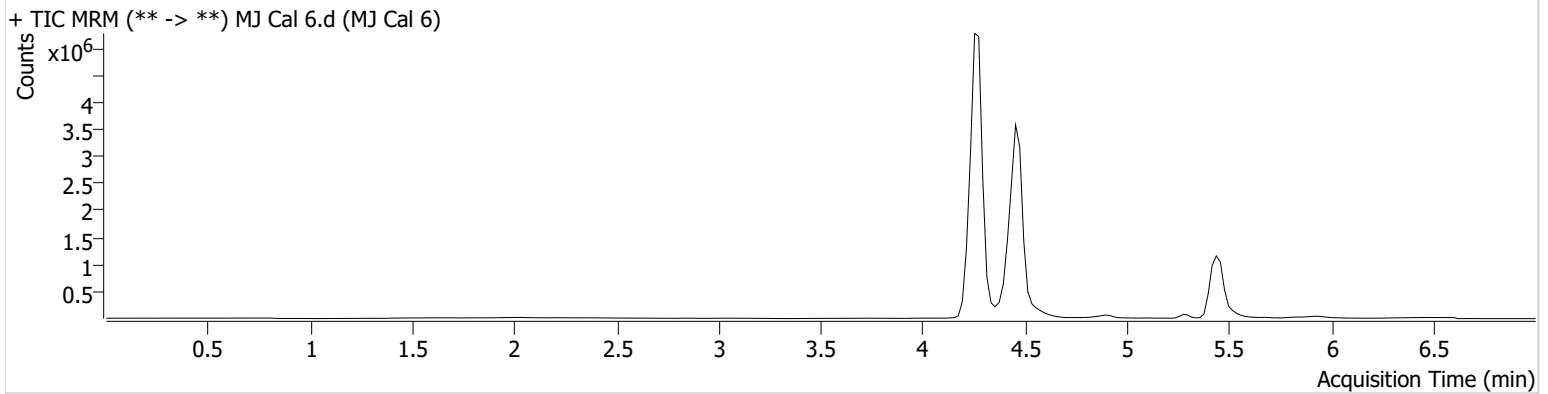
Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 11/14/2023 1:24:42 PM
Sample Info.

Data File MJ Cal 6.d
Sample MJ Cal 6
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	85865	190.08	47.4 Low	∞	258507	51.7729 ng/ml
THC-COOH	4.456	5364126	∞	151.2	∞	2538301	100.8383 ng/ml
THC-OH	4.282	1132416	∞	759.7	∞	12753871	49.6430 ng/ml



AM #26 Cannabinoids Screen Results

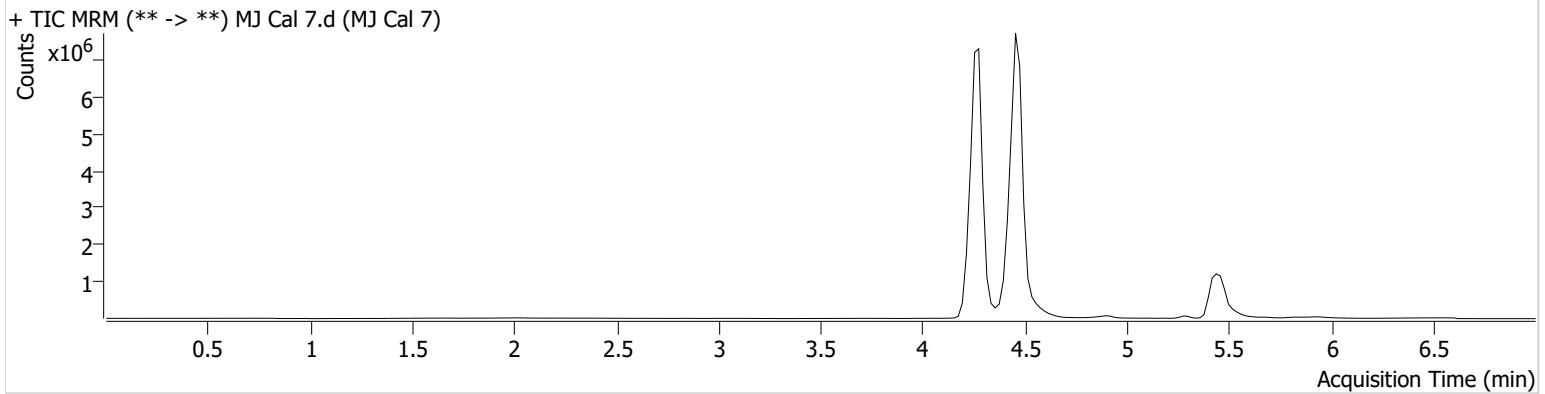
Batch results D:\MassHunter\Data\2023\AM 25 26\111423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 11/28/2023 11:40:43 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 11/14/2023 1:32:16 PM
Sample Info.

Data File MJ Cal 7.d
Sample MJ Cal 7
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	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	91985	∞	50.5 Low	∞	149923	95.9076 ng/ml
THC-COOH	4.456	12281715	∞	161.9	∞	2382920	245.5859 ng/ml
THC-OH	4.282	2206703	∞	768.5	∞	12159021	101.2843 ng/ml