











Worklist: 6854

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-1605	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2192	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2248	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2261	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2412	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2413	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-2426	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1520	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1522	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1798	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1819	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1820	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1829	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1843	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1845	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1846	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1852	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1881	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1882	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1884	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1885	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6854



<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-1893	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1894	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1900	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1908	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1918	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1923	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1926	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2024-1937	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: ~~06/13/2024~~ 06/27/2024
Plate lot#: 231213
Mobile phase A: 10mM Amm Form
Instant Buffer I
Blank Blood Lot: Lampire 24C52816
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 6/13/2024- external control included
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: Negative blood and P2024-1846-1 were reinjected due to low ISTD responses



Idaho State Police Forensic Services

**AM #25 Blood Multi-Drug Screen by LCMS-QQQ
And
AM #28 Blood Multi-Drug Confirmatory Analysis by
LCMS-QQQ---Panel 1**

Methanol External Control Solution (Lot: 072123)

100 μ L of 1mg/mL stock of each drug was added to 9800 μ L of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	220776	N/A
Tramadol	Cerilliant	FE10051901	12/31/2024
Alprazolam	Cerilliant	FE06102008	06/30/2025
Prepared:	07/21/2023		
Expires:	07/21/2024		
Prepared By:	Tamara Salazar		

Blood External Control Solution (Lot: WS072123)

*100 μ L of methanol external control solution was added to 9900 μ L of blood.
Approximately 100 ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	23A52594
Methanol External Control Solution		072123
Prepared:	07/21/2023	
Expires:	07/21/2024	
Prepared by:	Tamara Salazar	

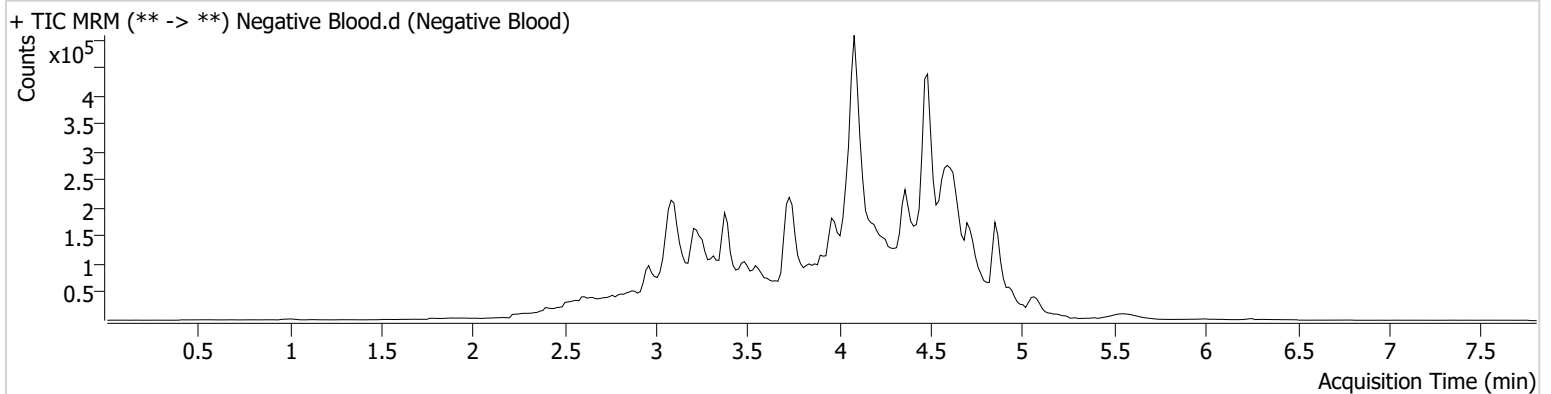
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/11/2024 12:41:13 PM

Instrument	Falco (069901)	Data File	Negative Blood.d
Type	Sample	Sample	Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-E1	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/27/2024 6:32:44 PM		
Sample Info.			

Sample Chromatogram



Sample was reinjected due to low ISTD responses. Refer to reinject data.

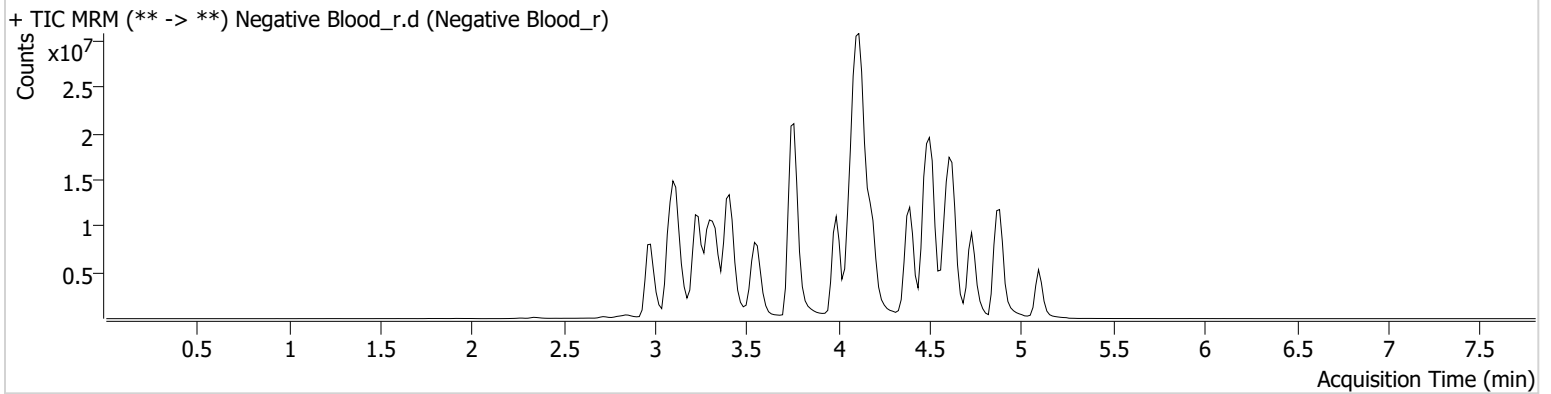
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/11/2024 12:41:13 PM

Instrument	Falco (069901)	Data File	Negative Blood_r.d
Type	Sample	Sample	Negative Blood_r
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-E1	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/28/2024 9:05:34 AM		
Sample Info.			

Sample Chromatogram



Reinject data

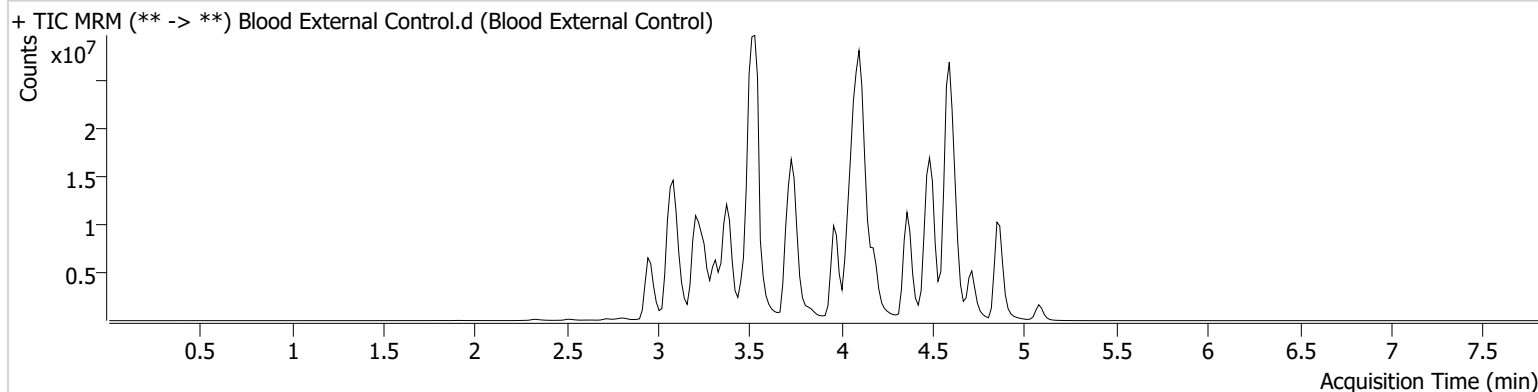
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/11/2024 12:41:13 PM

Instrument	Falco (069901)	Data File	Blood External Control.d
Type	Sample	Sample	Blood External Control
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-F1	Comment	<p style="color: red;">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.</p>
Injection Volume	5		
Acq. Date-Time	6/27/2024 6:41:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.593	27350323	1653.31	1019.98	20616430	181.9131
Tramadol	3.532	105111936	∞	219.81	56701569	34.1088

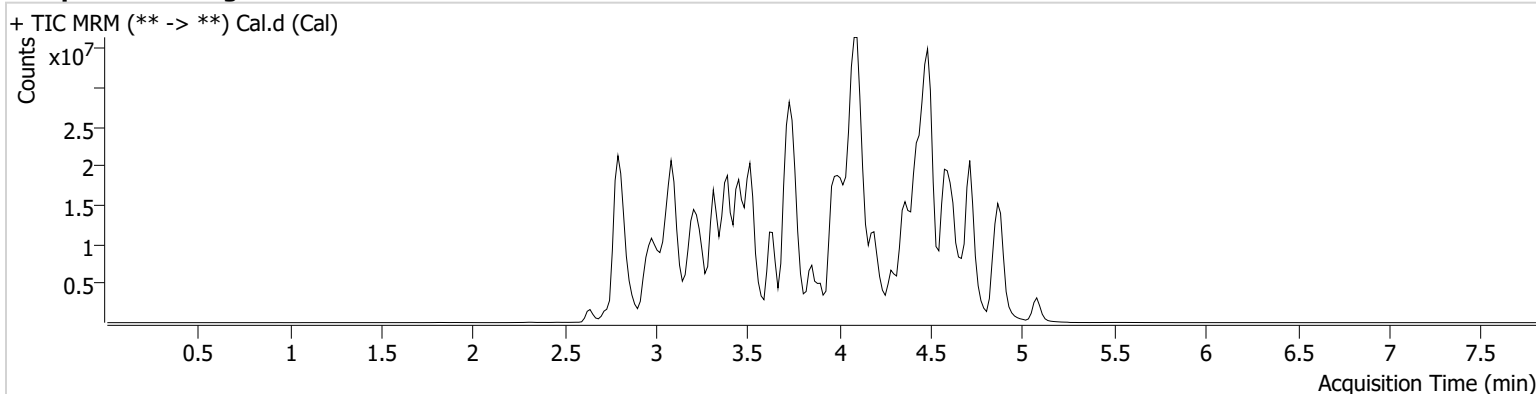
AM #25 Multi-Drug Screen. Results



Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/11/2024 12:41:13 PM

Instrument	Falco (069901)	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-A1	Comment	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/27/2024 6:24:08 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.749	3481859	82.78	331.17	26468262	10.0000
6-MAM	3.357	79862	1737.81	31305.63	3064104	10.0000
7-aminoclonazepam	3.577	1287067	361.31	195.99	7303323	10.0000
7-aminoflunitrazepam	3.777	3253303	378.14	235.75	7303323	10.0000
9-Hydroxyrisperidone	4.062	15443264	9199.83	269850.97	43309805	10.0000
Acetyl Fentanyl	4.175	753639	479.55	91868.44	45154280	10.0000
Acetyl Norfentanyl	2.981	524788	201.85	4582.62	45154280	10.0000
a-hydroxyalprazolam	4.483	174293	27.89	48.97	7303323	10.0000
alpha-hydroxymidazolam	4.558	2104235	273.67	321.87	7303323	10.0000
Alpha-PHP	4.012	5219955	8291.87	1302.97	45154280	10.0000
alpha-PVP	3.766	6842646	15130.45	1042.14	21986098	10.0000
Alprazolam	4.593	1481607	78.82	354.87	20316450	10.0000
Amitriptyline	4.520	2852987	178.48	273.89	16513992	10.0000
Amphetamine	2.985	5995835	937.93	532.99	21986098	10.0000
Benzoyllecgonine	3.360	113968	86.74	23.42	550795	10.0000
Bromazolam	4.650	789880	3858.69	222633.00	20316450	10.0000
Brompheniramine	4.098	180655	433.67	309.85	56220517	10.0000
Buprenorphine	5.090	394374	2147.16	7808.21	8708898	10.0000
Bupropion	3.997	7945907	6291.34	258.14	29630012	10.0000
Carbamazepine	4.199	12003003	∞	822.26	200329	10.0000
Carisoprodol	4.197	1501193	1127.13	132.85	13627076	10.0000
Chlordiazepoxide	4.703	1305702	1734.85	34.70	20316450	10.0000
Chlorpheniramine	4.010	13927578	26613.51	27.56	22888435	10.0000
Chlorpromazine	4.730	4305252	548.19	239.71	28249968	10.0000
Citalopram	4.097	4568477	918.55	975.31	56220517	10.0000
Clomipramine	4.716	6070218	12752.85	3224.83	56220517	10.0000
Clonazepam	4.407	508927	281.62	149.25	200329	10.0000
Clonazolam	4.327	1154098	374436.56	139425.18	20316450	10.0000
Clozapine	4.575	5868438	1503.34	9476.60	30671848	10.0000

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cocaethylene	3.897	7313201	9015.35	279244.8 1	41967660	10.0000
Cocaine	3.728	7718486	13117.43	1069.53	41967660	10.0000
Codeine	3.375	539386	69708.06	753.21	17653439	10.0000
Cyclobenzaprine	4.412	4081409	451.15	54.26	16513992	10.0000
Desipramine	4.398	7877854	760.75	327.29	16513992	10.0000
Dextromethorphan	4.134	3079986	1872.49	425.65	22888435	10.0000
Dextrorphan	3.471	3690476	4027.14	334.22	22888435	10.0000
Diazepam	4.811	827923	1792.38	194.73	20316450	10.0000
Dihydrocodeine	2.731	137628	2760.76	636.70	17653439	10.0000
Diphenhydramine	4.089	14303672	1036.78	997.38	56220517	10.0000
DMT	3.121	710178	936.04	449.19	22888435	10.0000
Doxepin	4.241	4213229	278.37	318.80	38539081	10.0000
Doxylamine	3.716	14500905	10517.27	7842.41	22888435	10.0000
Duloxetine	4.348	184719	6318.86	1557.23	2619300	10.0000
EDDP	4.103	483240	421.89	1409.90	3332245	10.0000
Estazolam	4.502	4630566	940.61	538.51	20316450	10.0000
Etizolam	4.604	419874	763.39	2024.49	20316450	10.0000
Fentanyl	4.359	661350	222.41	7295.63	36939237	10.0000
Flualprazolam	4.452	874597	372630.86	320551.2 0	20316450	10.0000
Flunitrazepam	4.516	1653262	583.67	1665.73	20316450	10.0000
Fluorofentanyl	4.403	1160674	∞	1600.59	36939237	10.0000
Fluoxetine	4.332	4844403	2072.62	119.08	9210906	10.0000
Flurazepam	4.418	4464907	2955030.23	110425.3 6	20316450	10.0000
Hydrocodone	3.514	1965257	474.52	645.04	17653439	10.0000
Hydromorphone	3.039	1729799	959.26	1090.80	17653439	10.0000
Hydroxyzine	4.664	6943265	1353.66	979.20	30671848	10.0000
Imipramine	4.457	11783475	1342.28	7709.20	16513992	10.0000
Ketamine	3.997	6135224	398.68	71.64	21038186	10.0000
Lamotrigine	3.640	4352899	1747.17	1229.66	56220517	10.0000
Levamisole	3.460	5104214	16755.64	346.92	41967660	10.0000
Levetiracetam	2.648	2914210	1529.50	318.85	56220517	10.0000
Lorazepam	4.407	323951	91.97	88.75	20316450	10.0000
Maprotiline	4.520	1780283	∞	96.25	16513992	10.0000
MDA	3.091	4043415	285.78	146.13	42609386	10.0000
MDEA	3.321	7825895	628.93	3453.12	42609386	10.0000
MDMA	3.182	10174047	378.42	533.06	42609386	10.0000
Meperidine	3.765	4456218	744.58	305.74	22888435	10.0000
Meprobamate	3.644	700672	300.37	62.11	13627076	10.0000
Methadone	4.424	10072917	823.01	486.62	3332245	10.0000
Methamphetamine	3.108	19943127	3931.74	3512.66	42609386	10.0000
Methocarbamol	3.549	341903	97.72	204.42	3332245	10.0000
Methylphenidate	3.627	18081178	2470.81	995.59	33051330	10.0000
Metoprolol	3.501	1398745	643.49	1478.62	22888435	10.0000
Midazolam	4.744	1003744	1268.64	125.05	20316450	10.0000
Mirtazapine	4.429	6461614	20276.14	14399.70	22888435	10.0000
Mitragynine	4.402	872284	774344.28	596191.1 3	22888435	10.0000
Morphine	2.856	592097	368.51	338.88	17653439	10.0000
Norbuprenorphine	3.893	199849	86551.80	83661.03	8708898	10.0000
Nordiazepam	4.674	1392228	642.76	648.13	20316450	10.0000
Norfentanyl	3.396	12877923	472.93	490.95	45154280	10.0000
Norhydrocodone	3.054	210809	∞	79.40	17653439	10.0000
Norketamine	4.029	870929	254.03	3644.75	21038186	10.0000
Normeperidine	3.643	3663779	299.70	697.62	56220517	10.0000
Noroxycodone	2.991	2169574	∞	108.81	21038186	10.0000
Nortriptyline	4.444	2930367	1163.55	399.73	16513992	10.0000
O-desmethyl-tramadol	3.025	13586104	12180.00	99.11	56220517	10.0000
O-desmethylvenlafaxine	3.316	2455344	311.99	26962.93	14520277	10.0000

Cal

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Olanzapine	3.774	20033	6.68	15.58	200329	10.0000
Oxazepam	4.472	1210911	351.51	242.60	9702954	10.0000
Oxycodone	3.281	4031444	1685.74	2065.03	21038186	10.0000
Oxymorphone	2.732	3725614	214.42	80.86	17653439	10.0000
Paroxetine	4.359	713576	9455.04	234555.3	9210906	10.0000
Phenazepam	4.604	1889377	3062.71	643309.3	20316450	10.0000
Phencyclidine	3.966	11299027	650.20	639.23	22888435	10.0000
Phentermine	3.231	3329935	1524.37	64.09	33051330	10.0000
Phenytoin	4.105	353548	269.67	69.10	200329	10.0000
Primidone	3.444	15895872	3628.44	2469.84	200329	10.0000
Promethazine	4.472	12028227	52238.64	667.23	56220517	10.0000
Pseudoephedrine	2.801	69154567	368.26	585.54	42609386	10.0000
Quetiapine	4.710	8942978	1291.60	974223.1	42838864	10.0000
Risperidone	4.278	14336537	12504.22	506.08	43309805	10.0000
Sertraline	4.594	1781556	665245.02	3919.00	9210906	10.0000
Sufentanil	4.771	585468	429538.85	581.48	45154280	10.0000
Tapentadol	3.505	8910716	467.35	3241.79	21038186	10.0000
Temazepam	4.625	4049858	550.26	83.44	20316450	10.0000
Topiramate	3.818	734323	501192.62	183185.5	388857	10.0000
Tramadol	3.517	30555186	331.16	38.80	56220517	10.0000
Trazodone	4.878	12829952	1139.77	5822.01	38539081	10.0000
Venlafaxine	3.855	14352537	1560.15	222.41	14520277	10.0000
Xylazine	3.521	3395400	2601.55	122.28	21038186	10.0000
Zaleplon	4.317	2185061	2313.62	1486.94	42838864	10.0000
Zolpidem	4.486	13874061	6131967.84	828371.6	42838864	10.0000
Zopiclone	4.448	457523	170084.47	1126.88	2903048	10.0000

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

Extraction Date: ~~06/13/2024~~ 06/27/2024
Plate lot#: 240513

Mobile phase A: 10mM Amm Form
Blank Blood Lot: Lampire 24C52816
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 11/13/2024

Mobile phase B: 0.1% Formic Acid in MeOH
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

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

Post-Analytic

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

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	1	2	3	4	5	6
a	cal 1ng	QC 2	M2024-2426-1	P2024-1845-1	P2024-1894-1	
b	cal 3 ng	NEG CTRL	P2024-1520-1	P2024-1846-1	P2024-1900-1	
c	cal 5 ng	M2024-1605-1	P2024-1522-2	P2024-1852-1	P2024-1908-3	
d	cal 10ng	M2024-2192-3	P2024-1798-1	P2024-1881-1	P2024-1918-1	
e	cal 25 ng	M2024-2248-1	P2024-1819-1	P2024-1882-1	P2024-1923-2	
f	cal 50 ng	M2024-2261-1	P2024-1820-1	P2024-1884-1	P2024-1926-1	
g	cal 100 ng	M2024-2412-3	P2024-1829-1	P2024-1885-1	P2024-1937-1	
h	QC 1	M2024-2413-2	P2024-1843-1	P2024-1893-2		

AM #26 Cannabinoids Screen Results



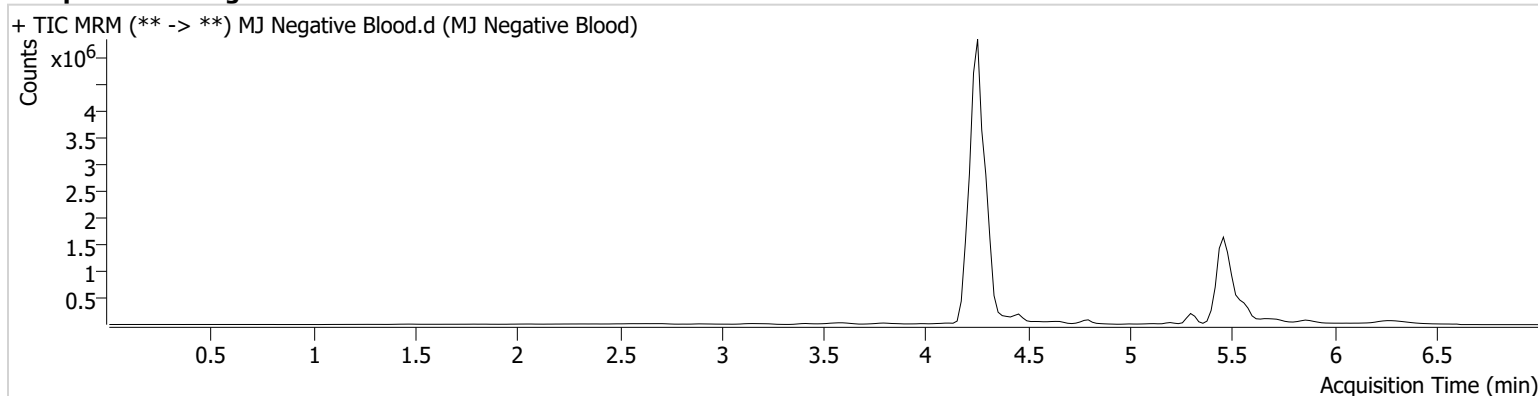
Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 6/27/2024 2:02:13 PM
Sample Info.

Data File MJ Negative Blood.d
Sample MJ Negative Blood
Operator Celena Shrum
Comment

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Sample Chromatogram





AM #26 Cannabinoids Screen Results

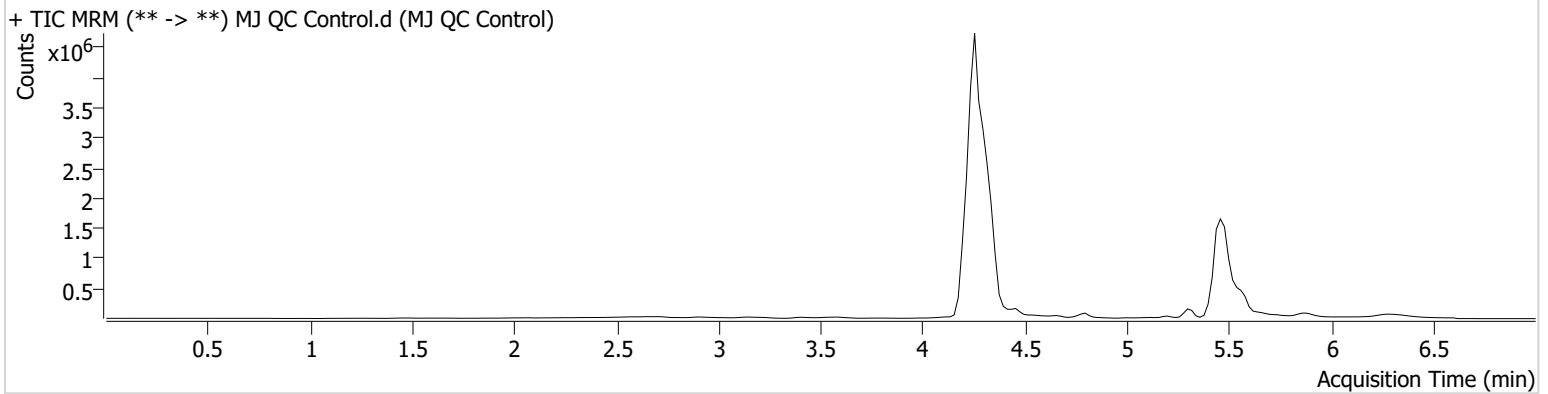
Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 6/27/2024 1:47:02 PM
Sample Info.

Data File MJ QC Control.d
Sample MJ QC Control
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.	ISTD Resp.	Final Conc.
THC	5.409	5532	274506	4.72 ng/ml
THC-COOH	4.335	2010128	9521339	14.08 ng/ml
THC-OH	4.262	126305	14075829	4.72 ng/ml

AM #26 Cannabinoids Screen Results



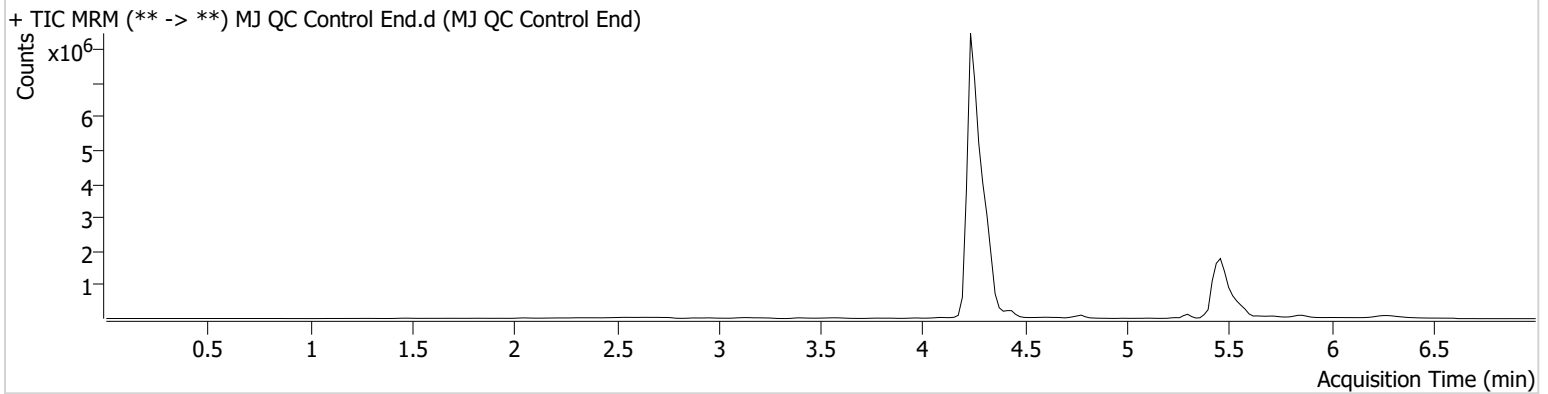
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Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 6/27/2024 5:49:34 PM
Sample Info.

Data File MJ QC Control End.d
Sample MJ QC Control End
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	10117	254468	8.91 ng/ml
THC-COOH	4.315	2412494	11257344	14.29 ng/ml
THC-OH	4.262	182991	21930645	4.40 ng/ml

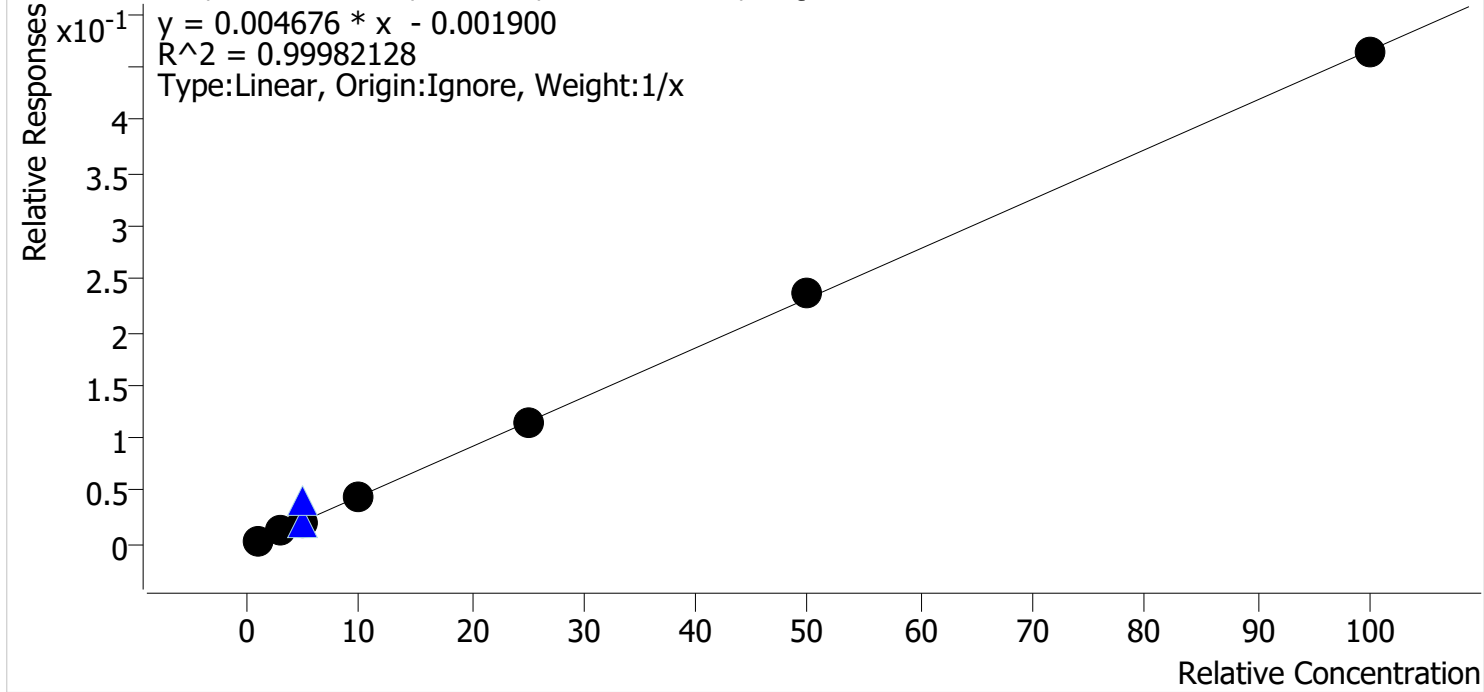
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AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 7/11/2024 12:41 PM
Analyst Name ISP\Datastor
Analyte THC **Internal Standard** THC-D3

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

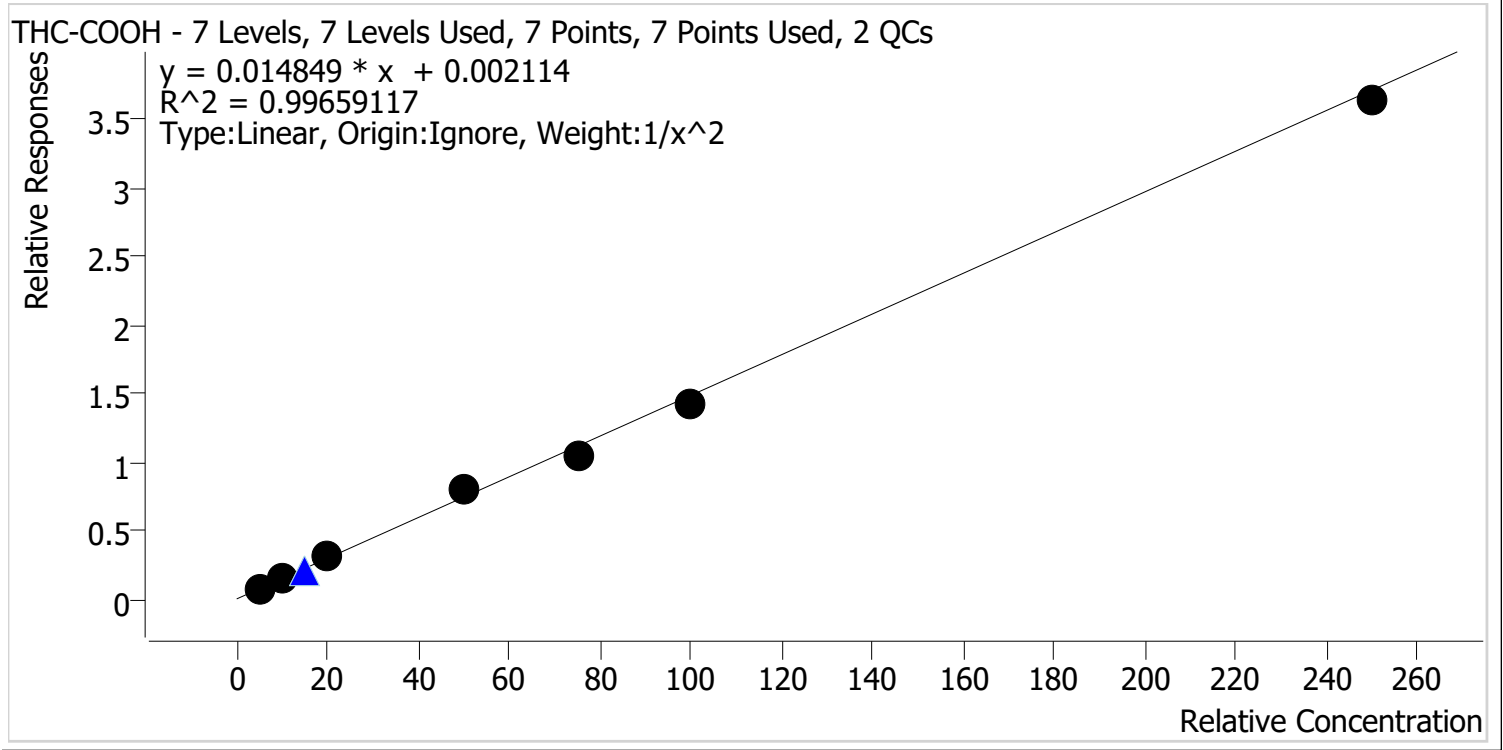


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	106.4
MJ Cal 2	2	✓	3.0	2.9	97.3
MJ Cal 3	3	✓	5.0	4.8	97.0
MJ Cal 4	4	✓	10.0	9.8	97.9
MJ Cal 5	5	✓	25.0	25.1	100.3
MJ Cal 6	6	✓	50.0	50.8	101.6
MJ Cal 7	7	✓	100.0	99.5	99.5



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 7/11/2024 12:41 PM
Analyst Name ISP\Datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

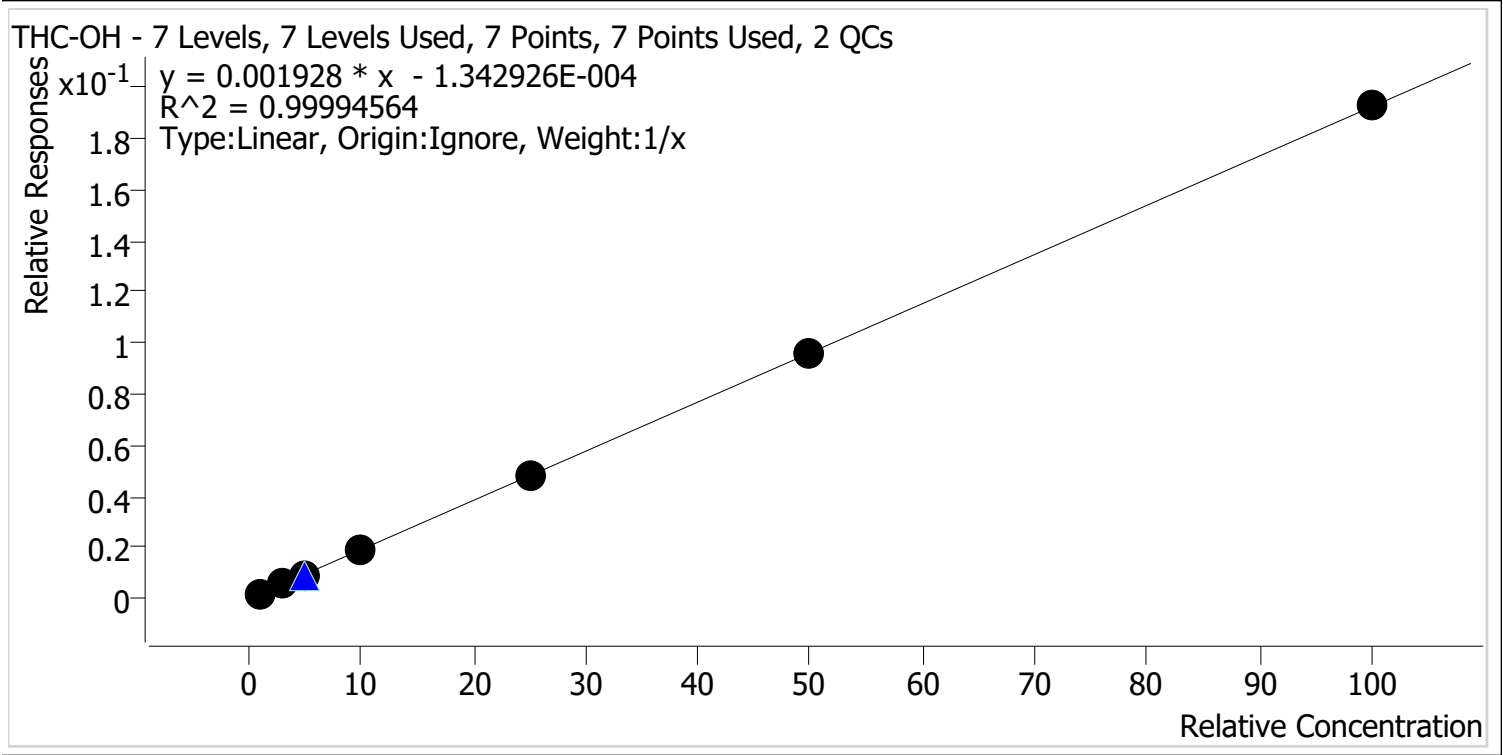


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	4.9	97.8
MJ Cal 2	2	✓	10.0	10.2	101.7
MJ Cal 3	3	✓	20.0	21.0	105.1
MJ Cal 4	4	✓	50.0	53.6	107.2
MJ Cal 5	5	✓	75.0	70.8	94.3
MJ Cal 6	6	✓	100.0	96.0	96.0
MJ Cal 7	7	✓	250.0	244.8	97.9



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 7/11/2024 12:41 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	1.0	103.7
MJ Cal 2	2	✓	3.0	2.9	96.8
MJ Cal 3	3	✓	5.0	5.0	99.2
MJ Cal 4	4	✓	10.0	10.1	101.0
MJ Cal 5	5	✓	25.0	24.7	99.0
MJ Cal 6	6	✓	50.0	50.0	100.1
MJ Cal 7	7	✓	100.0	100.2	100.2

AM #26 Cannabinoids Screen Results



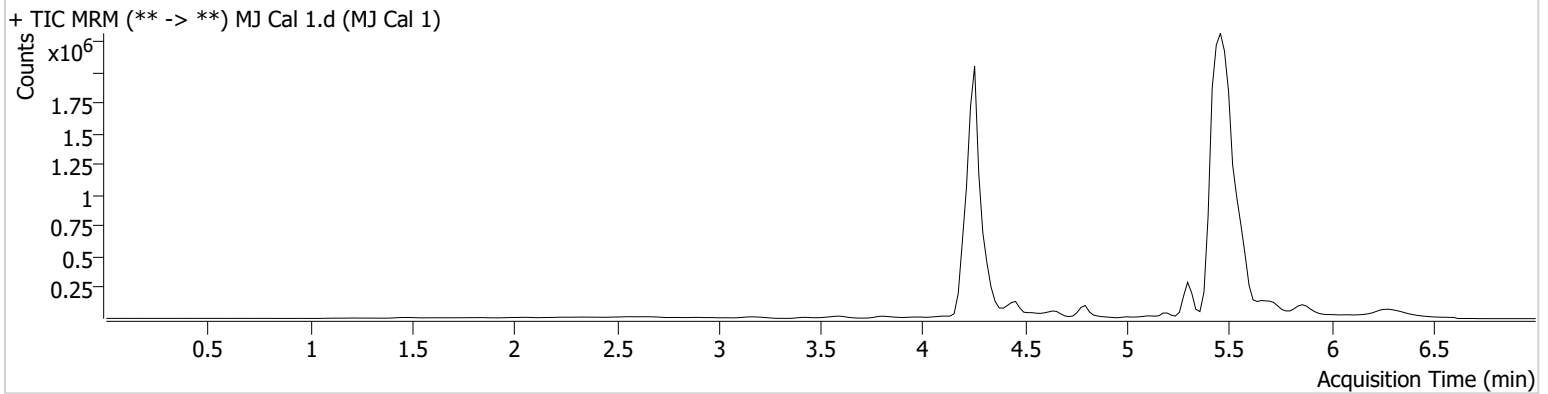
Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 6/27/2024 12:53:47 PM
Sample Info.

Data File MJ Cal 1.d
Sample MJ Cal 1
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	2224	723336	1.06 ng/ml Low
THC-COOH	4.335	122330	1637303	4.89 ng/ml Low
THC-OH	4.262	14397	7720924	1.04 ng/ml Low

AM #26 Cannabinoids Screen Results



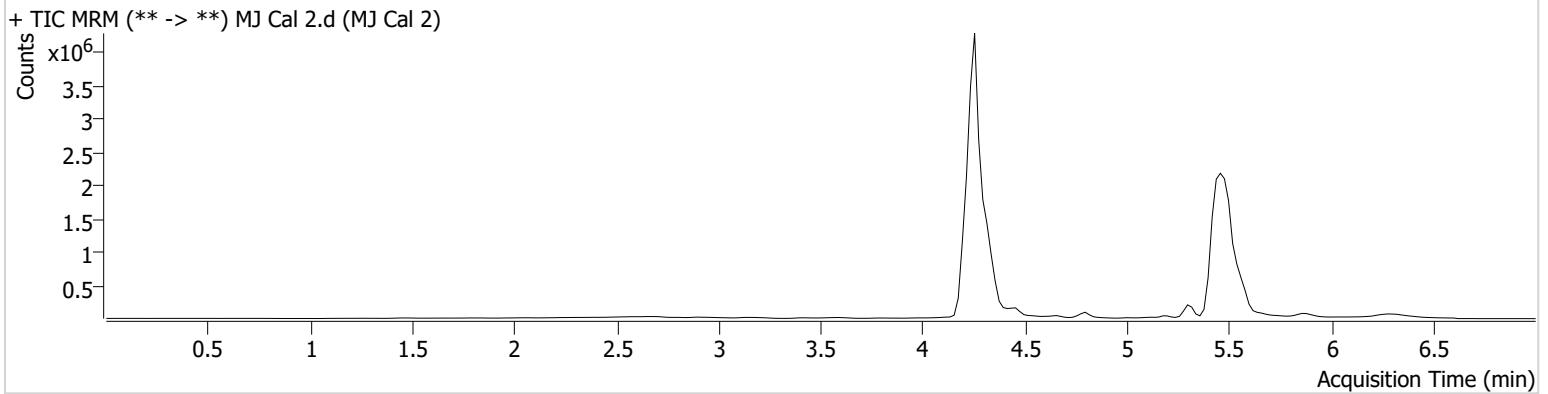
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Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 6/27/2024 1:01:32 PM
Sample Info.

Data File MJ Cal 2.d
Sample MJ Cal 2
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	8778	746908	2.92 ng/ml Low
THC-COOH	4.335	680965	4448441	10.17 ng/ml
THC-OH	4.262	82692	15132808	2.90 ng/ml Low

AM #26 Cannabinoids Screen Results



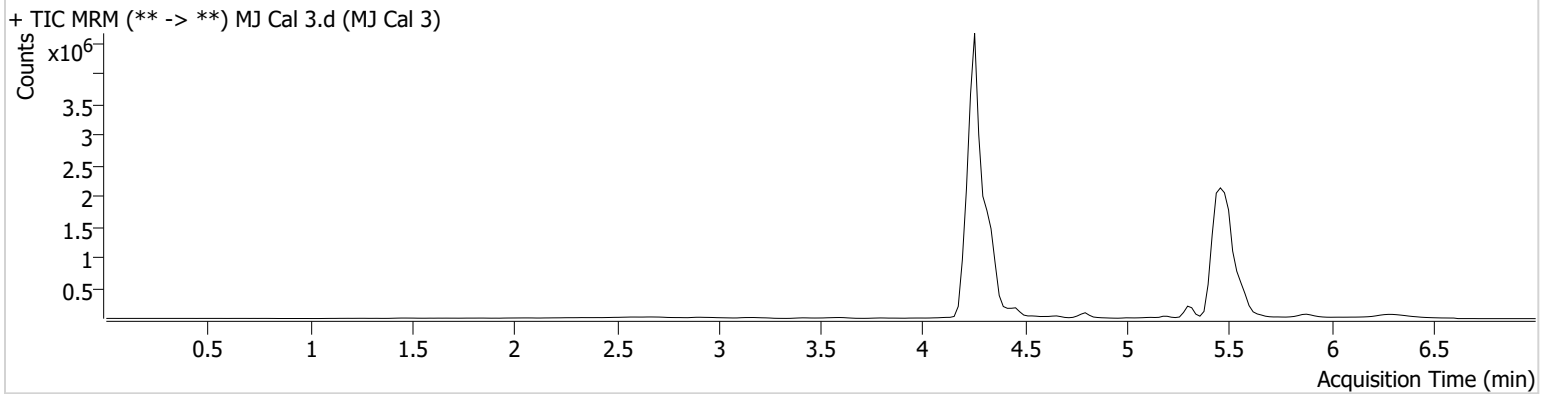
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Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 6/27/2024 1:09:07 PM
Sample Info.

Data File MJ Cal 3.d
Sample MJ Cal 3
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	17377	836604	4.85 ng/ml
THC-COOH	4.335	1338241	4256966	21.03 ng/ml
THC-OH	4.262	146675	15565912	4.96 ng/ml



AM #26 Cannabinoids Screen Results

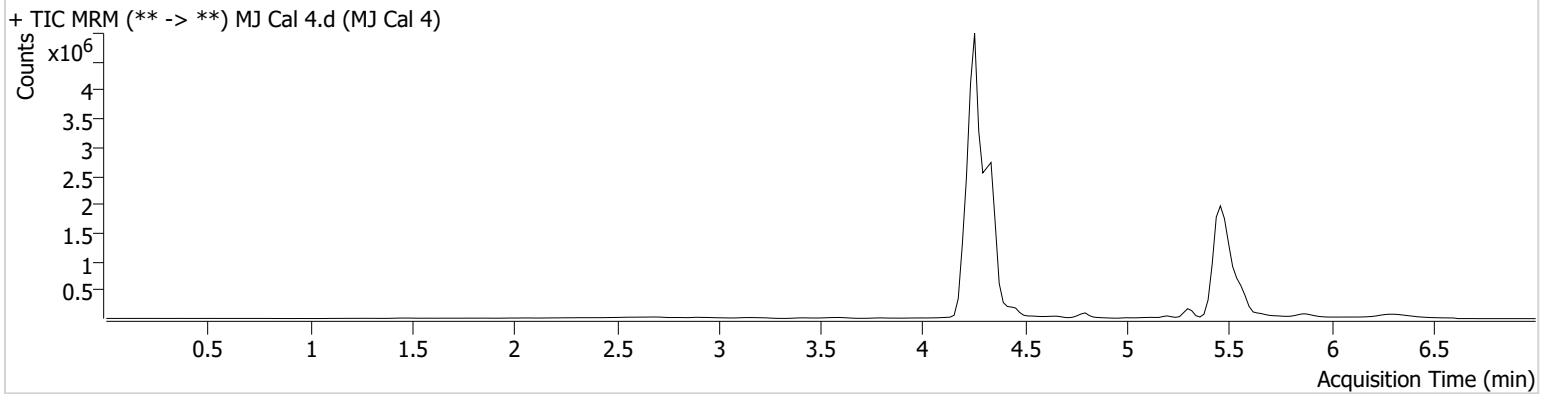
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Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 6/27/2024 1:16:42 PM
Sample Info.

Data File MJ Cal 4.d
Sample MJ Cal 4
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	17759	404572	9.79 ng/ml
THC-COOH	4.335	3298023	4134167	53.58 ng/ml
THC-OH	4.262	304978	15766992	10.10 ng/ml

AM #26 Cannabinoids Screen Results



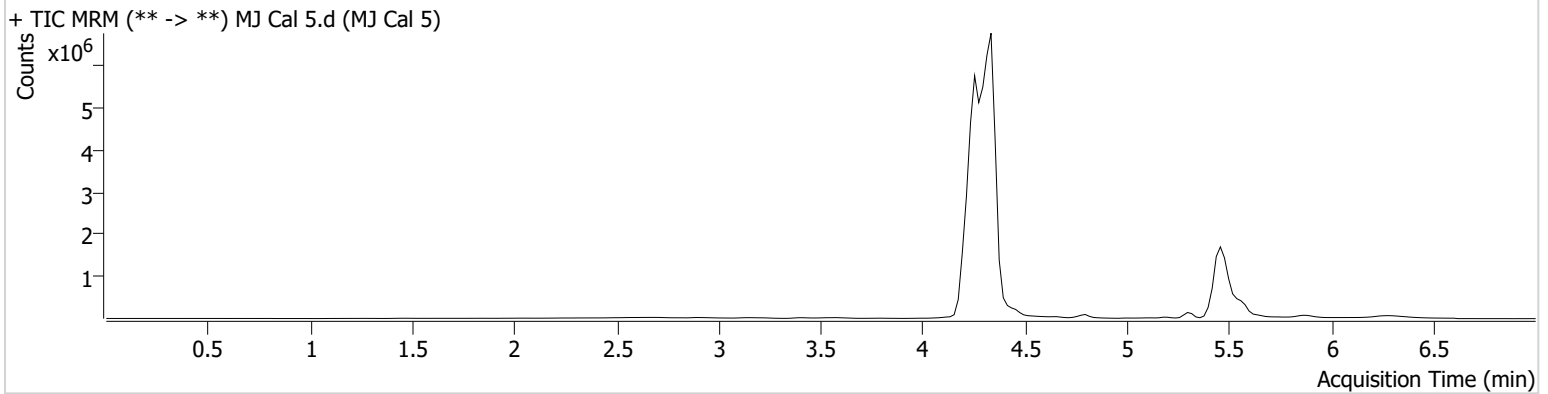
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Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 6/27/2024 1:24:17 PM
Sample Info.

Data File MJ Cal 5.d
Sample MJ Cal 5
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	34780	301612	25.07 ng/ml
THC-COOH	4.335	9350389	8882237	70.75 ng/ml
THC-OH	4.262	647558	13616363	24.74 ng/ml

AM #26 Cannabinoids Screen Results



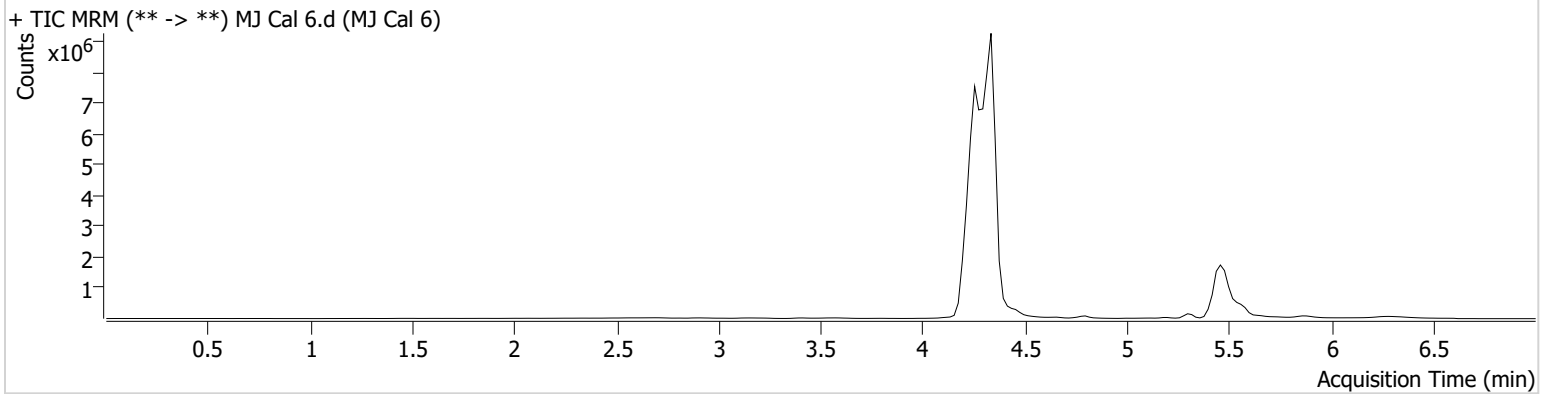
Batch results D:\MassHunter\Data\2024\AM 25 26\062724 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 6/27/2024 1:31:52 PM
Sample Info.

Data File MJ Cal 6.d
Sample MJ Cal 6
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	75383	320066	50.78 ng/ml
THC-COOH	4.335	12793502	8962001	95.99 ng/ml
THC-OH	4.262	1357513	14092819	50.04 ng/ml

AM #26 Cannabinoids Screen Results



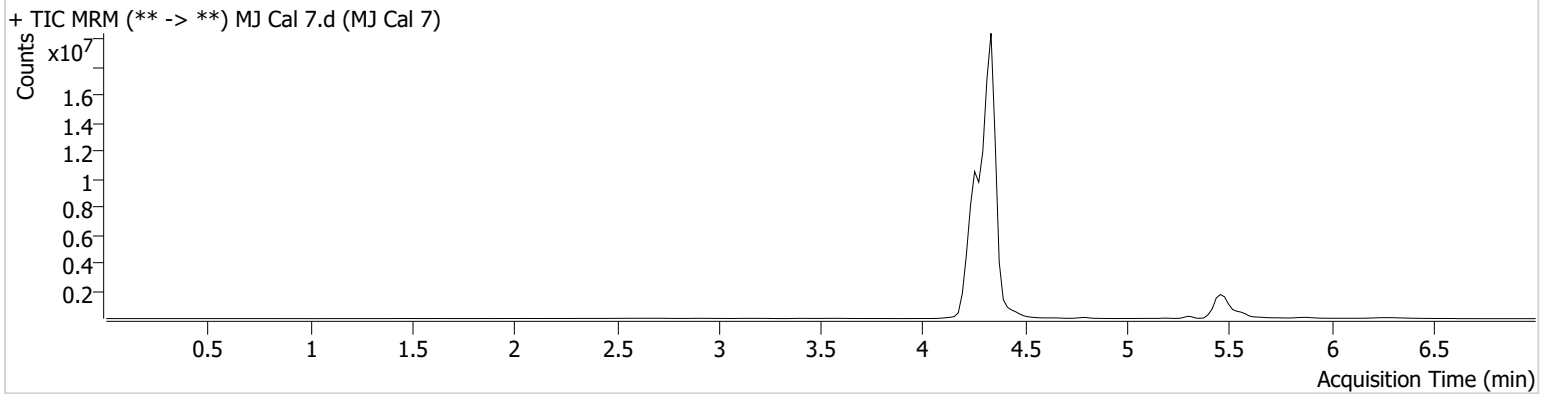
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Calibration Last Update 7/11/2024 12:41:52 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 6/27/2024 1:39:27 PM
Sample Info.

Data File MJ Cal 7.d
Sample MJ Cal 7
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.409	135841	293098	99.53 ng/ml
THC-COOH	4.335	28601027	7863918	244.79 ng/ml
THC-OH	4.262	2547396	13197390	100.21 ng/ml