REVIEWED
By Sarah Collins at 3:28 pm, Dec 26, 2023

TS 12/21/2023

Worklist: 6615

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-4800	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-4871	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-4906	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-4925	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-5076	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-5127	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-5151	1	COBCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2023-5163	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3433	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3508	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3553	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3555	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3556	2	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3569	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3571	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3603	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3631	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3639	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3646	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3651	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3652	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 6615

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LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2023-3653	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3662	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3663	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3672	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3673	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3674	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3681	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2023-3696	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 Date12/22/2023 Analyst: Tamara Salazar
Plate lot#: 230712 Plate Retest Date: 01/12/2024
Mobile phase A: 10mM Amm Form in LCMS Water Mobile phase B: 0.1% Formic Acid in MeOH
Blank Blood Lot: Lampire 23E52981 Blank Urine Lot:
LCMS-QQQ ID: 069901 Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☐ 2. Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
☒ 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate.
Pipette ID: 42
☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.
Amount transferred: *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	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2023-3674-1	P2023-3646-1	P2023-3553-1	M2023-4906-1
B	IS + Cal. 1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2023-3673-1	P2023-3639-1	P2023-3508-2	M2023-4871-1
C	IS + Control 1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2023-3672-1	P2023-3631-1	P2023-3433-1	M2023-4800-3
D	IS + Control 1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2023-3663-1	P2023-3603-1	M2023-5163-2	Neg Control
E	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2023-3662-1	P2023-3571-1	M2023-5151-1	IS + Control 1
F	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2023-3653-1	P2023-3569-1	M2023-5127-2	IS + Control 1
G	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2023-3696-1	P2023-3652-1	P2023-3556-2	M2023-5076-2	IS + Cal. 1
H	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2023-3681-1	P2023-3651-1	P2023-3555-1	M2023-4925-1	IS + Cal. 1

All wells to contain 60 µl of residual DMSO

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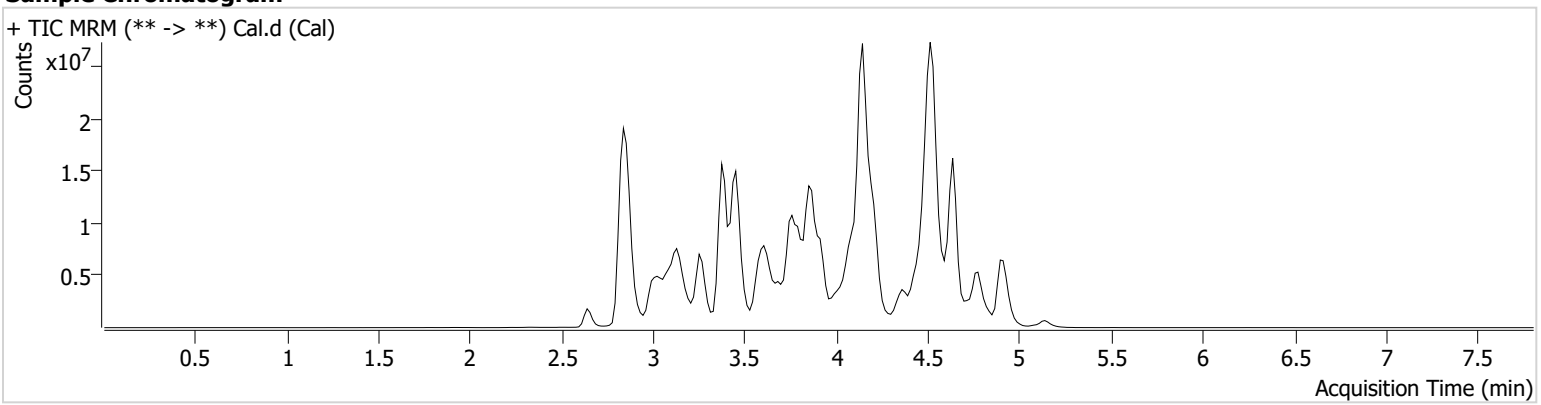
AM #25 Multi-Drug Screen. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 12/26/2023 11:03:01 AM

Instrument	Falco (069901)	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-H12	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	12/22/2023 4:58:35 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
10-OH-Carbamazepine	3.765	2707167	398.60	105.5	1263.76	18808923	10.0000 ng/ml
6-MAM	3.527	73446	64134.70	66.6	45483.48	2505914	10.0000 ng/ml
7-aminoclonazepam	3.592	1669143	318.11	79.5	221.58	7506284	10.0000 ng/ml
7-aminoflunitrazepam	3.792	3729996	6456508.68	19.8	850.45	7506284	10.0000 ng/ml
9-Hydroxyrisperidone	4.154	4910506	2189000.63	2.6	223895.96	23948602	10.0000 ng/ml
Acetyl Fentanyl	4.267	204747	58.82	50.7	19737.28	32911466	10.0000 ng/ml
Acetyl Norfentanyl	3.044	494394	317.23	33.8	399.44	32911466	10.0000 ng/ml
a-hydroxyalprazolam	4.498	431336	75.99	51.3	44094.80	7506284	10.0000 ng/ml
alpha-hydroxymidazolam	4.589	3143809	1048.62	57.1	228.55	7506284	10.0000 ng/ml
Alpha-PHP	4.105	3660377	6627.49	36.7	897.70	32911466	10.0000 ng/ml
alpha-PVP	3.921	6554399	3890.21	46.5	2414.50	11686739	10.0000 ng/ml
Alprazolam	4.608	3691941	521.17	90.8	1000.13	19971096	10.0000 ng/ml
Amitriptyline	4.566	1064936	72.91	65.3	129.30	4206278	10.0000 ng/ml
Amphetamine	3.047	2670902	2366.84	297.0	275.38	11686739	10.0000 ng/ml
Benzoylecgonine	3.392	152530	117110.95	20.8	84.88	543662	10.0000 ng/ml
Bromazolam	4.665	640675	182465.55	150.5	254598.92	19971096	10.0000 ng/ml
Brompheniramine	4.160	60110	461.79	787.8	284.03	34211007	10.0000 ng/ml
Buprenorphine	5.150	122555	298.27	5.5	2864.99	2285908	10.0000 ng/ml
Bupropion	4.090	3016376	1457.98	60.3	3626.39	12095277	10.0000 ng/ml
Carbamazepine	4.214	13270970	∞	91.2	1295.20	200347	10.0000 ng/ml
Carisoprodol	4.197	1416722	302396.46	64.2	92.03	9052658	10.0000 ng/ml
Chlordiazepoxide	4.718	894211	429.05	147.6	182.86	19971096	10.0000 ng/ml
Chlorpheniramine	4.072	3363375	8854.84	0.2	4155.23	5647791	10.0000 ng/ml
Chlorpromazine	4.791	1385958	373246.98	98.6	1666.83	5220780	10.0000 ng/ml
Citalopram	4.159	1750232	212.48	33.6	364875.48	34211007	10.0000 ng/ml
Clomipramine	4.777	1661589	8625.34	82.4	2314.53	34211007	10.0000 ng/ml
Clonazepam	4.422	1152883	226.10	29.9	246.55	200347	10.0000 ng/ml
Clonazolam	4.357	2102735	1532267.09	31.4	277462.10	19971096	10.0000 ng/ml
Clozapine	4.651	1865086	390.12	76.4	419.12	8921282	10.0000 ng/ml
Cocaethylene	3.990	5103376	3154470.75	49.1	7645.04	36633079	10.0000 ng/ml

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AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cocaine	3.868	10042007	842.50	16.7	425.55	36633079	10.0000 ng/ml
Codeine	3.545	392020	273112.45	102.5	2209.93	11772201	10.0000 ng/ml
Cyclobenzaprine	4.474	1350479	271.42	7.8	23.99	4206278	10.0000 ng/ml
Desipramine	4.428	2480817	485.55	42.5	184.81	4206278	10.0000 ng/ml
Dextromethorphan	4.196	1077114	84.86	79.4	349.16	5647791	10.0000 ng/ml
Dextrorphan	3.579	2011874	14776.20	51.4	71.78	5647791	10.0000 ng/ml
Diazepam	4.841	1477976	1138.83	88.5	1153.91	19971096	10.0000 ng/ml
Dihydrocodeine	3.268	1581017	308.21	52.1	138.08	11772201	10.0000 ng/ml
Diphenhydramine	4.151	5765783	556.29	28.6	342.46	34211007	10.0000 ng/ml
DMT	3.199	429277	745.39	187.1	698.89	5647791	10.0000 ng/ml
Doxepin	4.303	1033369	236.00	43.9	61.84	19435997	10.0000 ng/ml
Doxylamine	3.809	10128966	4886.29	82.1	6445911.64	5647791	10.0000 ng/ml
Duloxetine	4.394	53563	22949.18	893.6	4926.55	638416	10.0000 ng/ml
EDDP	4.149	556111	272.38	48.0	161.83	2456778	10.0000 ng/ml
Estazolam	4.518	6407263	1790.85	49.3	1008.95	19971096	10.0000 ng/ml
Etizolam	4.635	337164	551569.91	353.8	528723.53	19971096	10.0000 ng/ml
Fentanyl	4.451	243396	27.41	40.0	140779.25	10180631	10.0000 ng/ml
Flualprazolam	4.482	1135059	520387.31	132.6	650842.79	19971096	10.0000 ng/ml
Flunitrazepam	4.546	2229973	24886.64	36.5	858286.48	19971096	10.0000 ng/ml
Fluorofentanyl	4.495	263112	∞	81.2	102.54	10180631	10.0000 ng/ml
Fluoxetine	4.377	1529047	601.27	7.2	20.32	2281882	10.0000 ng/ml
Flurazepam	4.494	1845571	1127159.36	23.5	146556.13	19971096	10.0000 ng/ml
Hydrocodone	3.714	1421962	239.85	36.7	1104.97	11772201	10.0000 ng/ml
Hydromorphone	3.192	1106721	17480.80	102.5	64423.91	313124	10.0000 ng/ml
Hydroxyzine	4.725	1386109	231.02	86.2	464.63	8921282	10.0000 ng/ml
Imipramine	4.519	2350616	788.26	66.8	399.30	4206278	10.0000 ng/ml
Ketamine	4.106	4739206	2537.45	38.9	132.80	17204573	10.0000 ng/ml
Lamotrigine	3.671	433250	4636.30	80.3	2117.75	34211007	10.0000 ng/ml
Levamisole	3.629	2998410	980.42	86.3	277.63	36633079	10.0000 ng/ml
Levetiracetam	2.649	3521218	530.65	56.1	1032.63	34211007	10.0000 ng/ml
Lorazepam	4.422	496148	204.60	269.9	74.45	19971096	10.0000 ng/ml
Maprotiline	4.443	239579	18.27	77.2	47.76	4206278	10.0000 ng/ml
MDA	3.153	2162835	103.72	40.4	255.09	19391894	10.0000 ng/ml
MDEA	3.383	4575387	2793.11	43.5	1536.92	19391894	10.0000 ng/ml
MDMA	3.245	5031175	2591238.80	49.6	247.06	19391894	10.0000 ng/ml
Meperidine	3.904	2355941	908.16	57.6	1182.26	5647791	10.0000 ng/ml
Meprobamate	3.659	850862	672.35	22.6	660.78	9052658	10.0000 ng/ml
Methadone	4.469	3133701	1506.57	45.8	635.13	2456778	10.0000 ng/ml
Methamphetamine	3.170	3605483	1342.78	41.9	705.34	19391894	10.0000 ng/ml
Methocarbamol	3.565	262794	127241.34	76.7	52.91	2456778	10.0000 ng/ml
Methylphenidate	3.751	8260790	927.86	24.6	211.66	12541806	10.0000 ng/ml
Metoprolol	3.563	618853	188.14	106.2	341.23	5647791	10.0000 ng/ml
Midazolam	4.775	889838	606437.58	86.0	886.75	19971096	10.0000 ng/ml
Mirtazapine	4.521	2082879	2082.43	215.0	36487.47	5647791	10.0000 ng/ml
Mitragynine	4.478	303434	146378.34	245.6	256569.54	5647791	10.0000 ng/ml
Morphine	2.994	271764	∞	101.5	401.67	313124	10.0000 ng/ml
Norbuprenorphine	3.970	23714	7827.77	146.3	15442.91	2285908	10.0000 ng/ml
Nordiazepam	4.689	574517	276.03	57.8	88.86	19971096	10.0000 ng/ml
Norfentanyl	3.458	7136638	27741.36	38.4	654.94	32911466	10.0000 ng/ml
Norhydrocodone	3.162	431876	654.33	44.9	30.97	313124	10.0000 ng/ml
Norketamine	4.091	833440	221.37	527.1	2227.55	17204573	10.0000 ng/ml
Normeperidine	3.720	1956316	389.81	72.0	159.73	34211007	10.0000 ng/ml
Noroxycodone	3.053	2260013	∞	24.3	3592.12	17204573	10.0000 ng/ml
Nortriptyline	4.475	754827	182.97	73.5	84.80	4206278	10.0000 ng/ml
O-desmethyl-tramadol	3.087	9678726	12988.29	5.7	372.70	34211007	10.0000 ng/ml
O-desmethylvenlafaxine	3.394	2368767	273.79	647.0	9556.14	13726282	10.0000 ng/ml
Olanzapine	4.161	390158	168103.36	49.9	299.11	200347	10.0000 ng/ml
Oxazepam	4.487	1912766	118.05	72.3	28.76	14357499	10.0000 ng/ml
Oxycodone	3.436	3908811	257.86	26.9	13214.72	17204573	10.0000 ng/ml

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AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Oxymorphone	2.809	3004560	∞	23.5	∞	313124	10.0000 ng/ml
Paroxetine	4.405	239844	150.19	52.4	29866.00	2281882	10.0000 ng/ml
Phenazepam	4.619	2246247	517405.18	66.5	442100.07	19971096	10.0000 ng/ml
Phencyclidine	4.027	3655277	5883.63	64.3	458.06	5647791	10.0000 ng/ml
Phentermine	3.293	1002306	137.00	6.2	17.87	12541806	10.0000 ng/ml
Phenytoin	4.105	458670	408.87	78.8	96.02	200347	10.0000 ng/ml
Primidone	3.460	1168663	1464113.34	93.8	107.66	200347	10.0000 ng/ml
Promethazine	4.549	2867612	1900.03	35.2	259.95	34211007	10.0000 ng/ml
Pseudoephedrine	2.847	64127809	414.08	30.9	1157.52	19391894	10.0000 ng/ml
Quetiapine	4.755	3534748	1893421.87	56.7	890.39	47089173	10.0000 ng/ml
Risperidone	4.370	4601256	1540865.26	8.9	293.40	23948602	10.0000 ng/ml
Sertraline	4.640	413316	86994.45	111.1	278.87	2281882	10.0000 ng/ml
Sufentanil	4.832	119641	64817.67	79.8	17705.19	32911466	10.0000 ng/ml
Tapentadol	3.598	4327158	155.57	33.9	320.32	17204573	10.0000 ng/ml
Temazepam	4.640	3378298	789.89	30.9	75.62	19971096	10.0000 ng/ml
Topiramate	3.834	73886	13009.51	29.2	13558.12	270749	10.0000 ng/ml
Tramadol	3.609	8579481	∞	3.4	15.28	34211007	10.0000 ng/ml
Trazodone	4.924	4015992	709.13	75.3	1750.81	19435997	10.0000 ng/ml
Venlafaxine	3.916	7197481	1673.07	26.3	101.00	13726282	10.0000 ng/ml
Xylazine	3.644	1434773	1819.78	43.4	6.43	17204573	10.0000 ng/ml
Zaleplon	4.332	2585919	758.82	67.6	1014.63	47089173	10.0000 ng/ml
Zolpidem	4.532	13296101	1668.19	28.6	1227.28	47089173	10.0000 ng/ml
Zopiclone	4.509	443165	131913.36	60.7	90228.60	2107198	10.0000 ng/ml

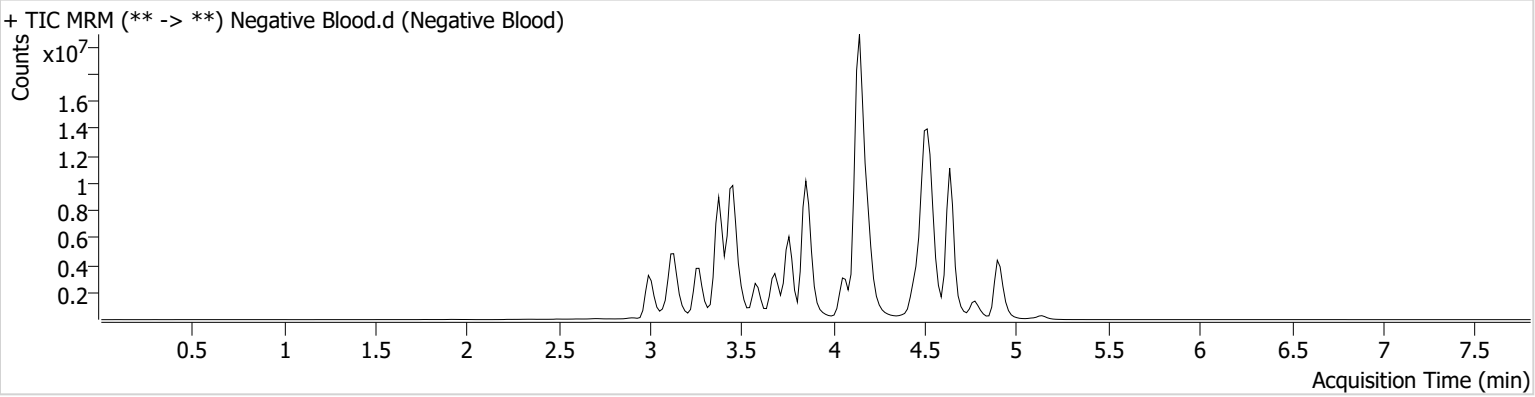
TS

AM #25 Multi-Drug Screen. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 12/26/2023 11:03:01 AM

Instrument	Falco (069901)	**Data File**	Negative Blood.d
Type	Sample	**Sample**	Negative Blood
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-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	12/22/2023 5:07:09 PM		
Sample Info.			

Sample Chromatogram



TS

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

Extraction Date: 12/22/2023
Plate lot#: 231212
Mobile phase A: 10mM Amm Form in LCMS Water
Blank Blood Lot: Lampire 23E52981
LCMS-QQQ ID: 069901

Analyst: Tamara Salazar
Plate Retest Date: 06/12/2024
Mobile phase B: 0.1% Formic acid in MeOH
Blank Urine Lot:
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

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

Post-Analytic

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

COMMENTS:.

TS

Analytical Plate Map

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	M2023-5151-1	P2023-3571-1	P2023-3662-1	IS + QC_1
B	IS + Cal. 2	Neg Blood	M2023-5163-2	P2023-3603-1	P2023-3663-1	IS + Cal. 7
C	IS + Cal. 3	M2023-4800-3	P2023-3433-1	P2023-3631-1	P2023-3672-1	IS + Cal. 6
D	IS + Cal. 4	M2023-4871-1	P2023-3508-2	P2023-3639-1	P2023-3673-1	IS + Cal. 5
E	IS + Cal. 5	M2023-4906-1	P2023-3553-1	P2023-3646-1	P2023-3674-1	IS + Cal. 4
F	IS + Cal. 6	M2023-4925-1	P2023-3555-1	P2023-3651-1	P2023-3681-1	IS + Cal. 3
G	IS + Cal. 7	M2023-5076-2	P2023-3556-2	P2023-3652-1	P2023-3696-1	IS + Cal. 2
H	IS + QC_1	M2023-5127-2	P2023-3569-1	P2023-3653-1	IS + QC_1	IS + Cal. 1

All wells to contain 100 µl of residual DMSO

TS

SLE Plate Map

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	M2023-5151-1	P2023-3571-1	P2023-3662-1	P2023-3696-1
B	IS + Cal. 2	Neg Blood	M2023-5163-2	P2023-3603-1	P2023-3663-1	
C	IS + Cal. 3	M2023-4800-3	P2023-3433-1	P2023-3631-1	P2023-3672-1	
D	IS + Cal. 4	M2023-4871-1	P2023-3508-2	P2023-3639-1	P2023-3673-1	
E	IS + Cal. 5	M2023-4906-1	P2023-3553-1	P2023-3646-1	P2023-3674-1	
F	IS + Cal. 6	M2023-4925-1	P2023-3555-1	P2023-3651-1	P2023-3681-1	
G	IS + Cal. 7	M2023-5076-2	P2023-3556-2	P2023-3652-1	P2023-3696-1*	
H	IS + QC_1	M2023-5127-2	P2023-3569-1	P2023-3653-1		

*Sample moved during step 7 of the analysis due to clotting.

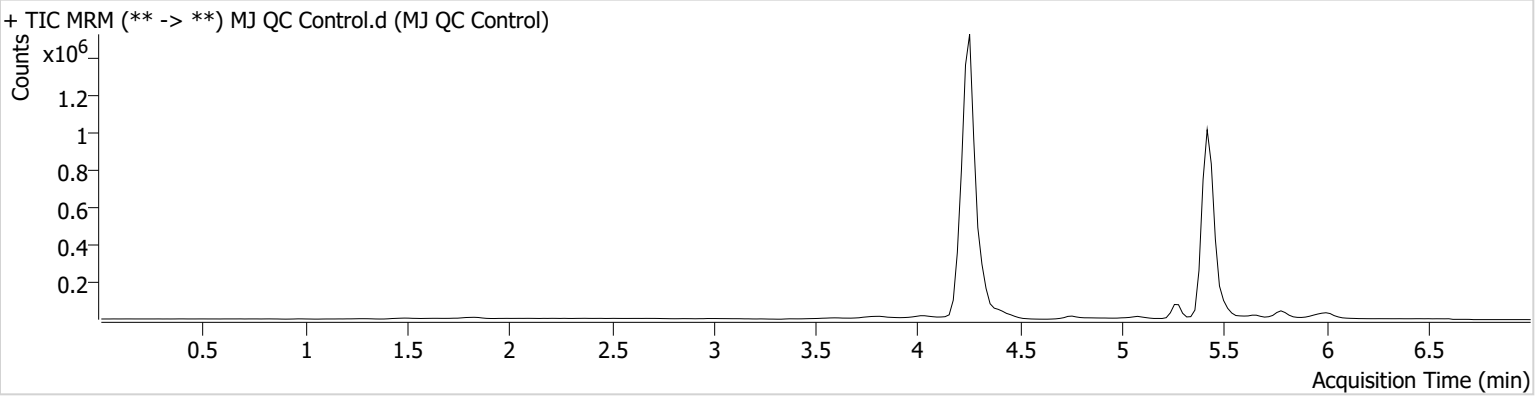
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ QC Control.d
Type	QC	**Sample**	MJ QC Control
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-H1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 12:18:22 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	4135	∞	254.5	∞	158864	4.7636 ng/ml
THC-COOH	4.315	244270	∞	172.1	∞	978038	13.5025 ng/ml
THC-OH	4.262	50574	∞	769.2	∞	5157001	5.0114 ng/ml

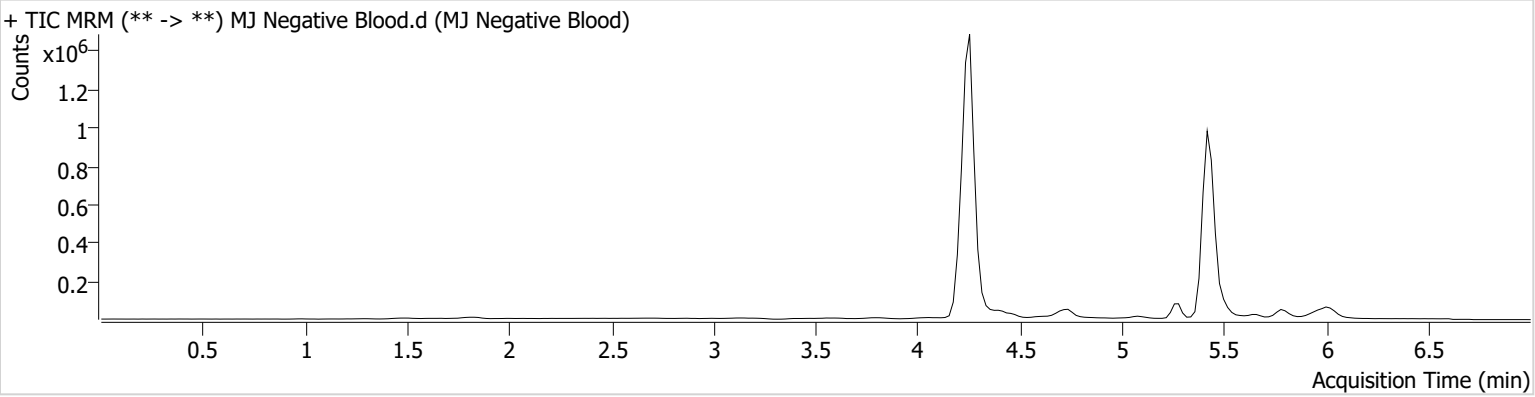
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ Negative Blood.d
Type	Sample	**Sample**	MJ Negative Blood
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-B2	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 12:33:32 PM		
Sample Info.			

Sample Chromatogram



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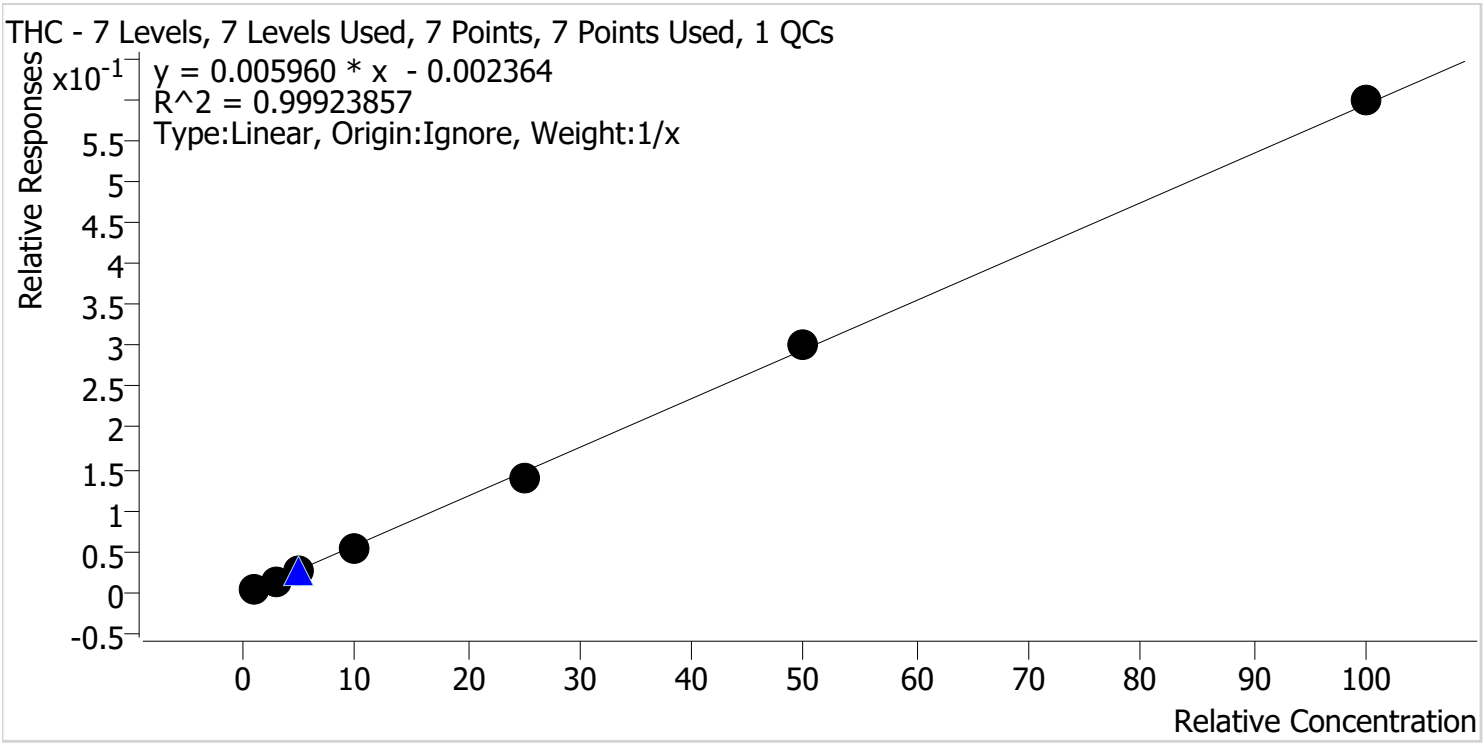
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update	12/26/2023 2:41 PM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.2	115.1
MJ Cal 2	2	✔	3.0	2.9	96.7
MJ Cal 3	3	✔	5.0	4.7	94.4
MJ Cal 4	4	✔	10.0	9.5	95.1
MJ Cal 5	5	✔	25.0	24.0	96.1
MJ Cal 6	6	✔	50.0	50.9	101.8
MJ Cal 7	7	✔	100.0	100.8	100.8

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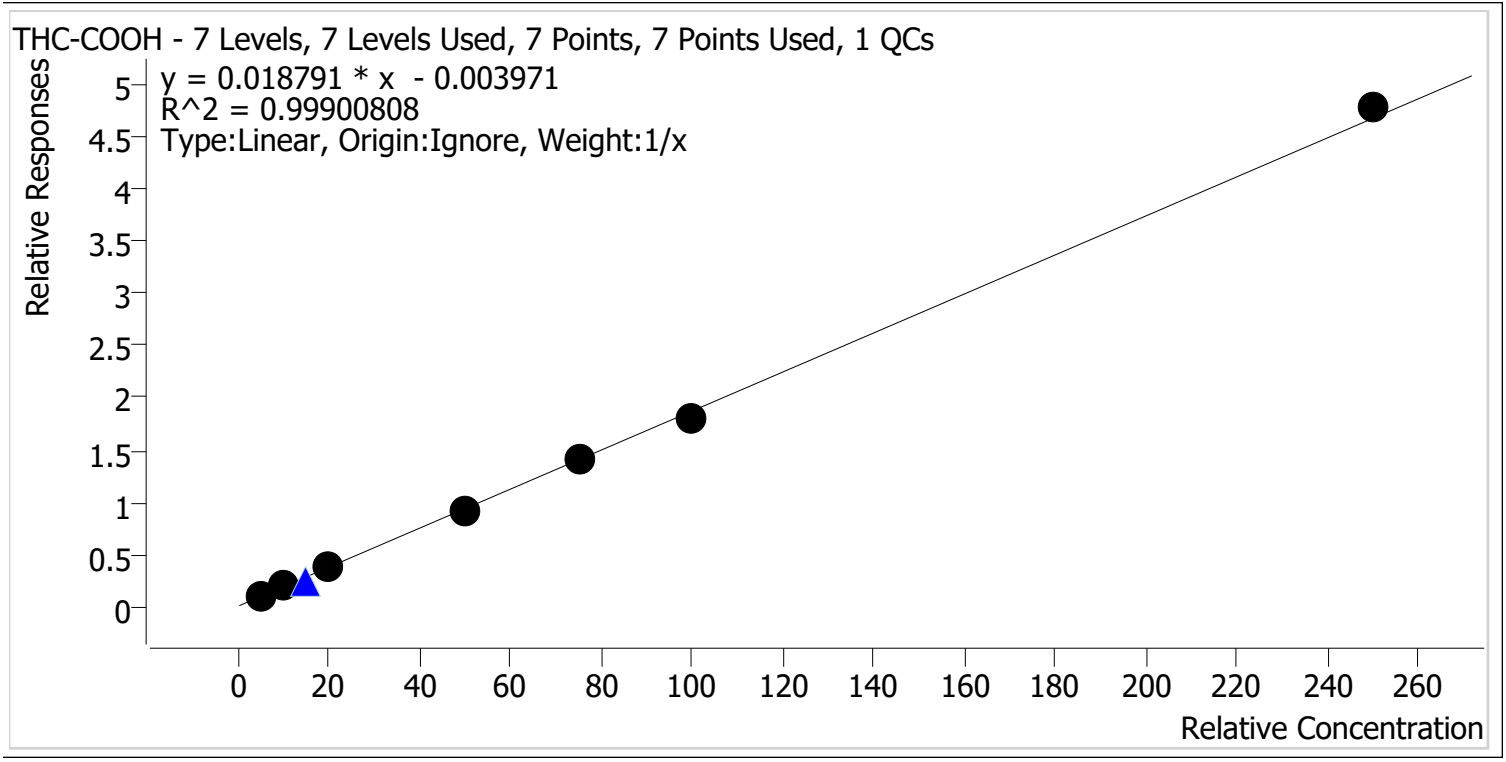
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update	12/26/2023 2:41 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	5.3	106.5
MJ Cal 2	2	✔	10.0	10.0	99.8
MJ Cal 3	3	✔	20.0	19.8	99.2
MJ Cal 4	4	✔	50.0	47.8	95.5
MJ Cal 5	5	✔	75.0	75.4	100.5
MJ Cal 6	6	✔	100.0	96.2	96.2
MJ Cal 7	7	✔	250.0	255.4	102.2

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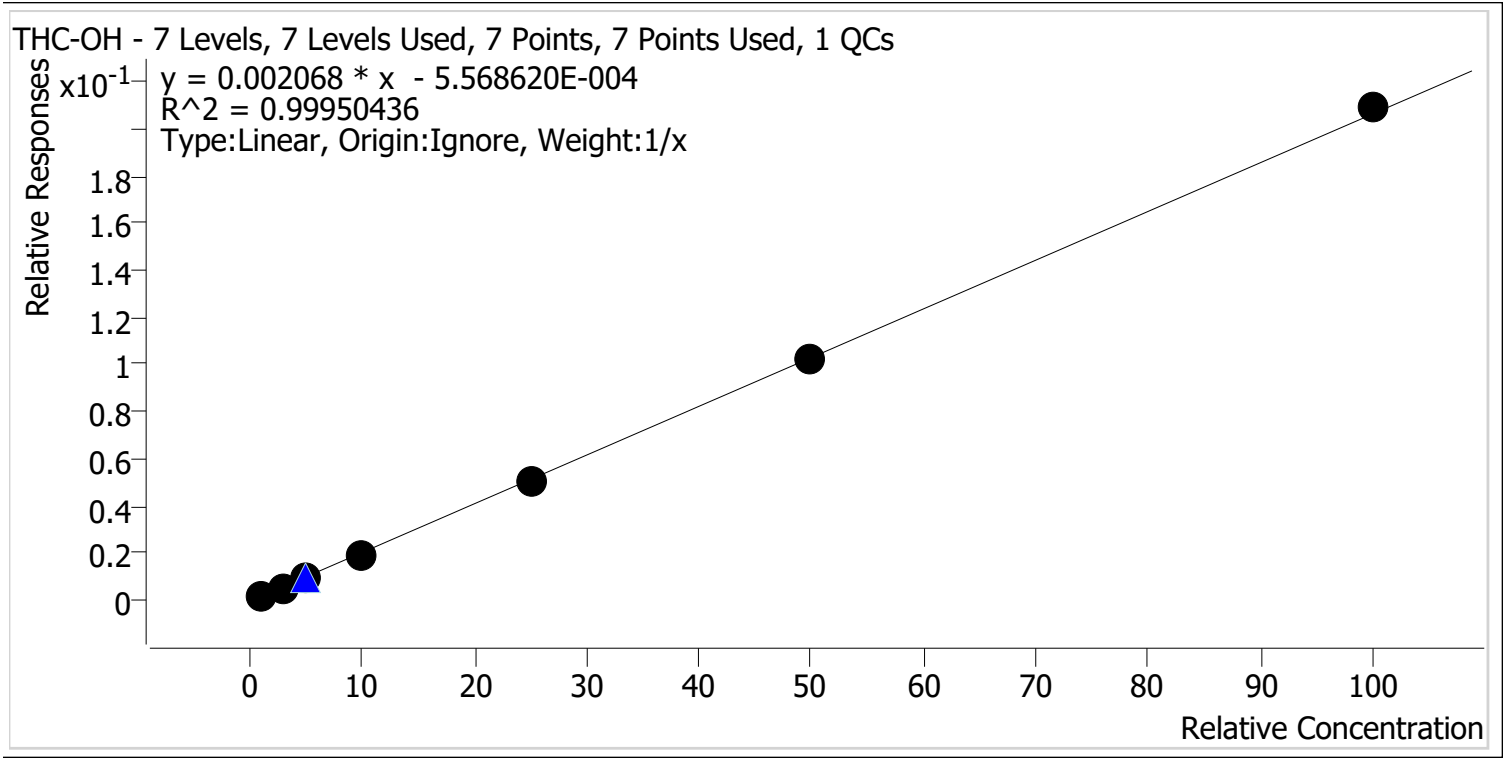
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update	12/26/2023 2:41 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	1.1	113.6
MJ Cal 2	2	✔	3.0	2.9	95.5
MJ Cal 3	3	✔	5.0	4.8	96.6
MJ Cal 4	4	✔	10.0	9.6	95.8
MJ Cal 5	5	✔	25.0	24.3	97.3
MJ Cal 6	6	✔	50.0	50.0	100.0
MJ Cal 7	7	✔	100.0	101.3	101.3

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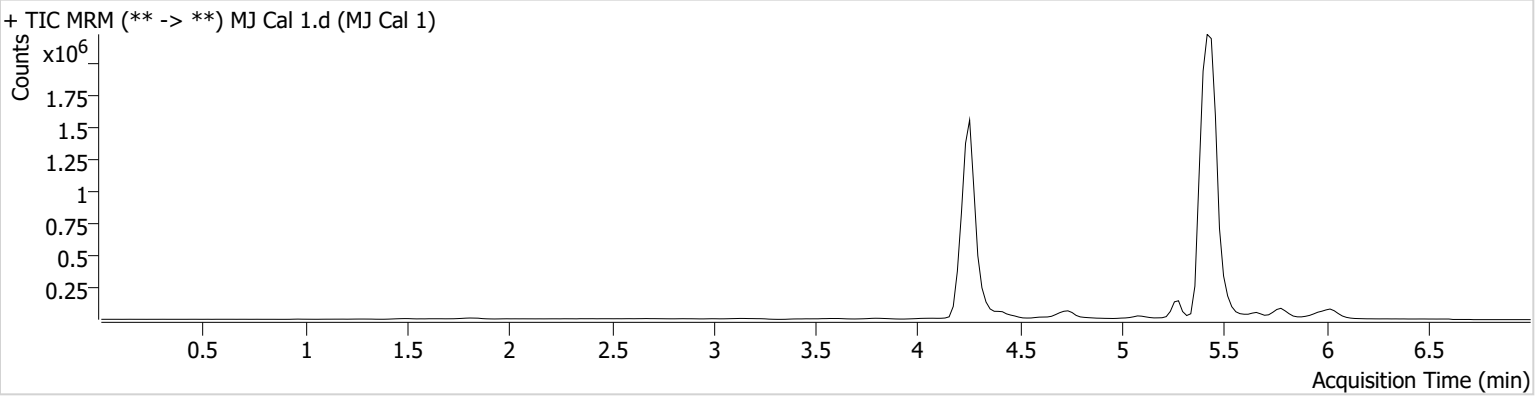
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 1.d
Type	Cal	**Sample**	MJ Cal 1
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-A1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 11:25:12 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	2347	4.98 **Low**	1132.3 **High**	∞	521895	1.1512 ng/ml
THC-COOH	4.315	101613	∞	177.6	∞	1057633	5.3241 ng/ml
THC-OH	4.262	10395	22.73	797.2	∞	5802110	1.1356 ng/ml

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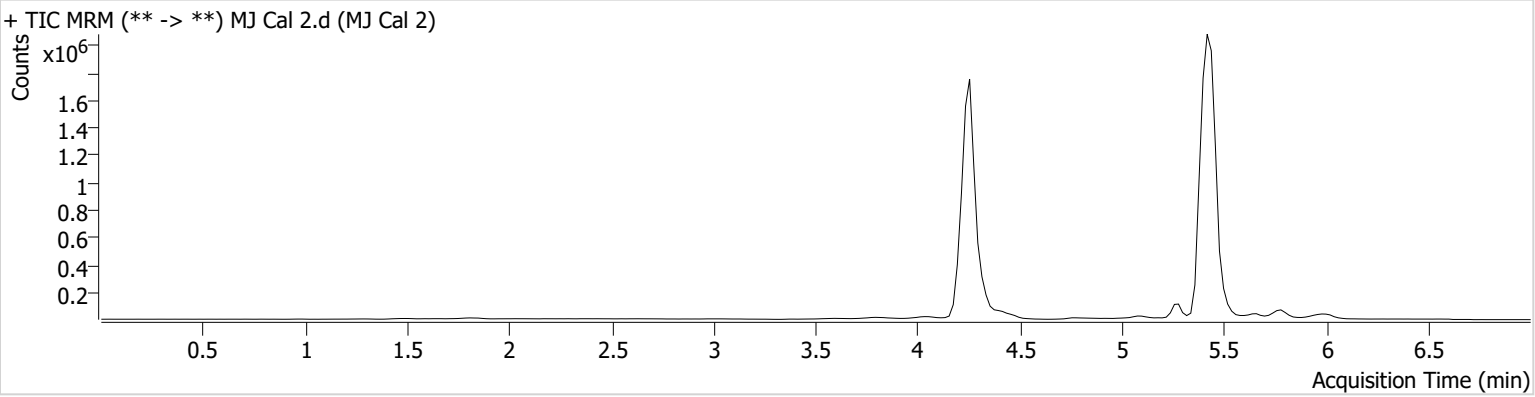
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 2.d
Type	Cal	**Sample**	MJ Cal 2
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-B1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 11:32:56 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	8330	∞	318.5 **High**	∞	558433	2.8995 ng/ml
THC-COOH	4.315	196992	∞	179.5	∞	1073140	9.9801 ng/ml
THC-OH	4.262	34267	∞	796.9	∞	6386169	2.8639 ng/ml

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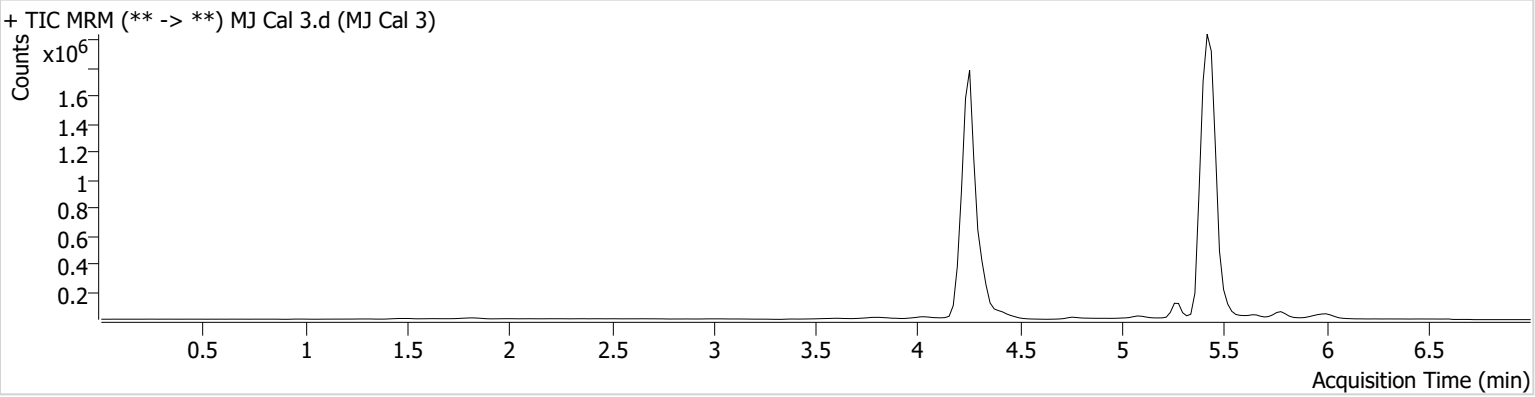
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 3.d
Type	Cal	**Sample**	MJ Cal 3
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-C1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 11:40:30 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	11493	∞	224.1	∞	446049	4.7200 ng/ml
THC-COOH	4.315	384389	∞	166.8	∞	1041723	19.8479 ng/ml
THC-OH	4.262	57371	∞	775.2	∞	6082374	4.8303 ng/ml

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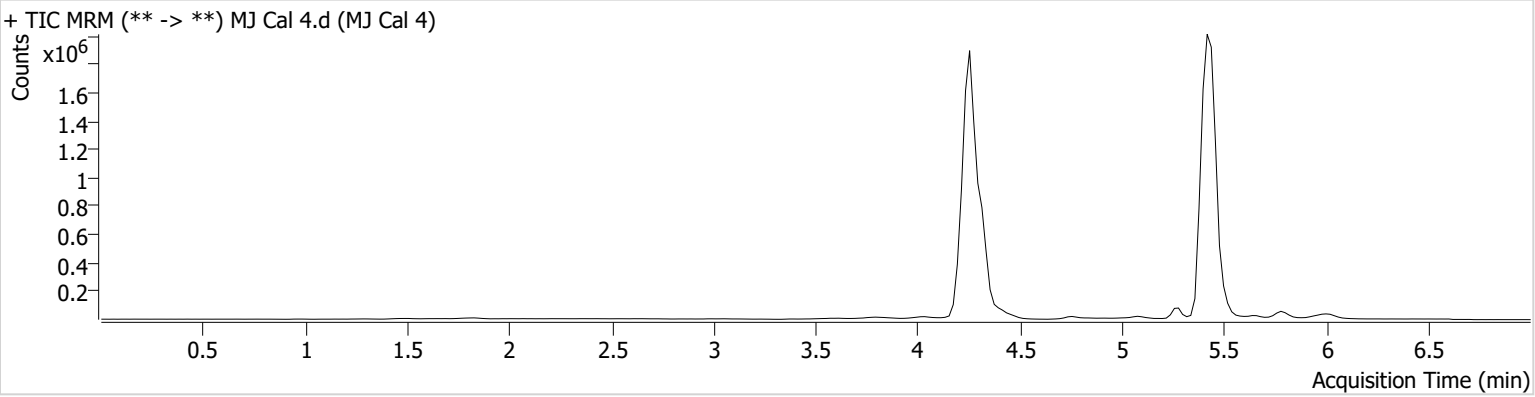
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 4.d
Type	Cal	**Sample**	MJ Cal 4
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-D1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 11:48:05 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.389	22955	298.71	126.2 **Low**	71.31	422703	9.5084 ng/ml
THC-COOH	4.315	955375	∞	161.8	∞	1069181	47.7636 ng/ml
THC-OH	4.262	112728	∞	784.9	∞	5855091	9.5791 ng/ml

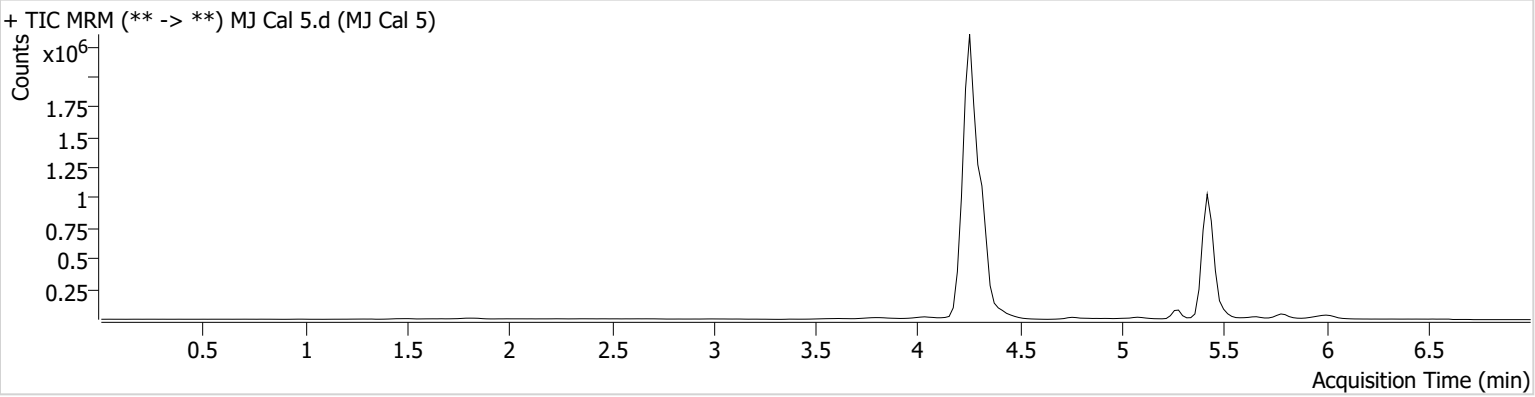
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 5.d
Type	Cal	**Sample**	MJ Cal 5
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-E1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 11:55:39 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	24858	∞	60.2 **Low**	∞	176431	24.0360 ng/ml
THC-COOH	4.315	1394190	∞	159.7	∞	986838	75.3952 ng/ml
THC-OH	4.262	287990	∞	772.5	∞	5787624	24.3306 ng/ml

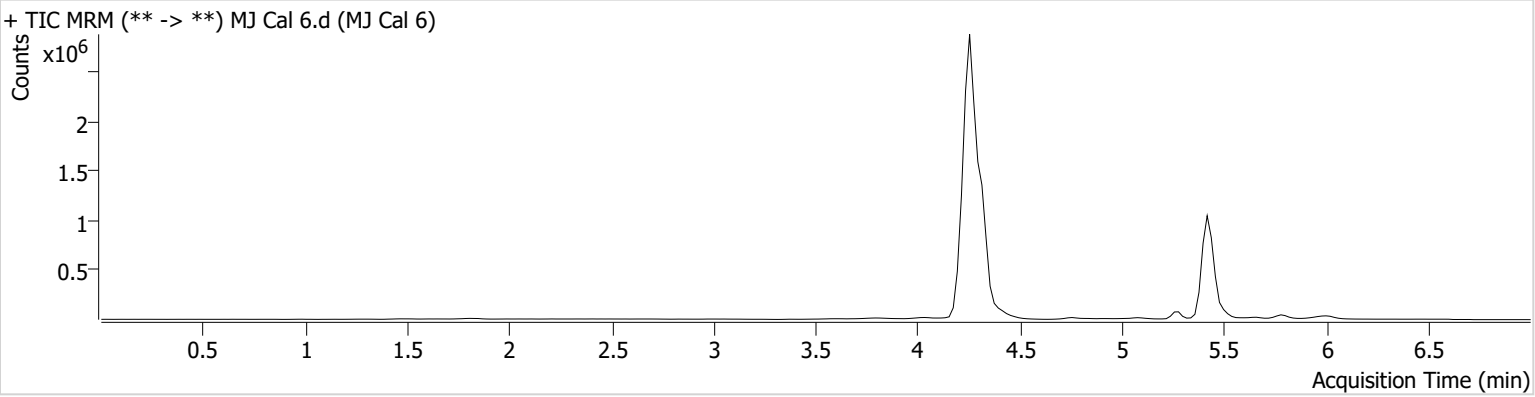
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 6.d
Type	Cal	**Sample**	MJ Cal 6
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-F1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 12:03:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	54165	∞	40.1 **Low**	∞	179896	50.9144 ng/ml
THC-COOH	4.315	1799099	∞	157.1	∞	996971	96.2445 ng/ml
THC-OH	4.262	563638	∞	766.8	∞	5480833	49.9967 ng/ml

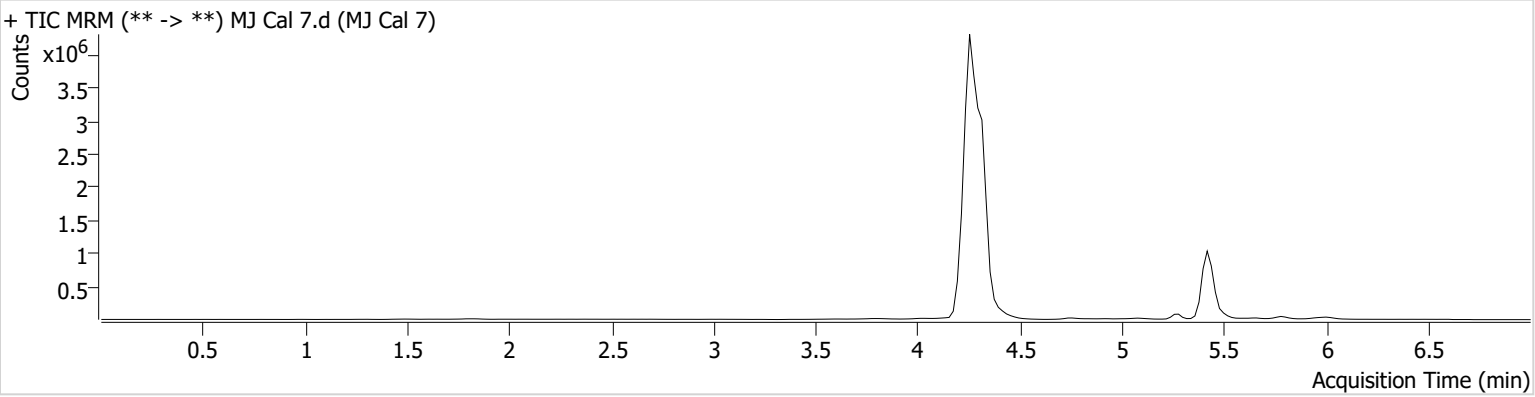
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\122223 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 12/26/2023 2:41:27 PM

Instrument	Falco (069901)	**Data File**	MJ Cal 7.d
Type	Cal	**Sample**	MJ Cal 7
Acq. Method	AM 26 THC.m	**Operator**	Tamara Salazar
Sample Position	P1-G1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	12/22/2023 12:10:48 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	99646	∞	33.0 **Low**	∞	166566	100.7704 ng/ml
THC-COOH	4.315	4295175	∞	162.6	∞	895555	255.4445 ng/ml
THC-OH	4.262	1115654	∞	769.4	∞	5341630	101.2639 ng/ml