


REVIEWED

By Tamara Salazar at 2:05 pm, Jan 08, 2021

1/5/2021 

Worklist: 4714






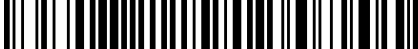
<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-3888	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-4781	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-5013	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-5014	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-5044	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-5082	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-5085	1	* CSGEN	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-5103	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-5123	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
** M2020-5146	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2020-5269	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3593	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3600	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3608	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3635	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3658	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3669	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3700	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3722	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3788	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3812	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

*Item was a BCK (blood collection kit)

** insufficient sample to run AM 26

Worklist: 4714

SL

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2020-3826	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3827	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3834	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3849	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3850	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3851	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

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

Extraction Date: 01/06/21
 Plate lot#: IDP-107-2-200511

Analyst: Sarah Collins
 Plate Expiration: 11/11/2020

Mobile phase A: 10mM Amm Form
 0.5M Ammonium Hydroxide
Blank Blood Lot: Lampire 20L20725
LCMS-QQQ ID: 069901

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. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #16**
- 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 4. Pipette **250 µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 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 **900 µL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. *(12-15 PSI- Selector to the left).*
- 12. Add **900 µL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 10-15 seconds. *(12-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100 µL 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 5 or greater or 2-5 for discretionary range.
- 4. Did all QCs pass for each analyte? Y / N _____
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *According to the analytical method, an external control was ran due to the expired plate.*



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: 121020)

100 μ L of 1mg/mL stock was added to each drug to 9600 μ L of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	197468	
Alprazolam	Cerilliant	FE07061604	07/31/2021
Clonazepam	Cerilliant	FE07131603	10/31/2021
Hydrocodone	Cerilliant	FE04241902	09/30/2024
Morphine	Cerilliant	FE06231704	07/31/2022
Prepared:	12/10/2020		
Prepared By:	Tamara Salazar		
Expires:	07/31/2021		

Blood External Control Solution (Lot: WS121020)

*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	20L20725
Methanol External Control Solution		121020
Prepared:	12/10/2020	
Prepared by:	Tamara Salazar	
Expires:	07/31/2021	

SC

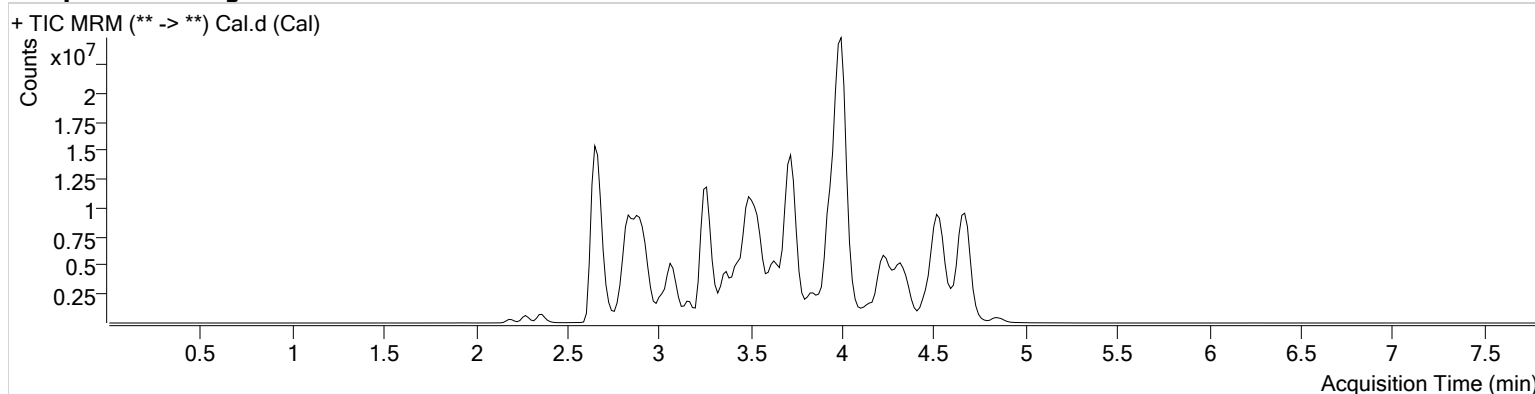


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 1/8/2021 10:08:15 AM

Instrument	Instrument 1	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P2-H12	Comment	
Injection Volume	5		
Acq. Date-Time	1/6/2021 6:06:12 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.801	46309	∞	3118.04	1314552	10.0000
7-aminoclonazepam	3.554	1714432	164.98	449259.72	7029989	10.0000
7-aminoflunitrazepam	3.768	2619758	517.73	562765.34	7029989	10.0000
Acetyl Fentanyl	3.672	187812	75.75	1974.01	28784606	10.0000
Acetyl Norfentanyl	2.840	266350	1155.65	49.03	28784606	10.0000
a-hydroxyalprazolam	4.531	303088	211.86	92106.12	7029989	10.0000
alpha-hydroxymidazolam	4.529	2603306	1002.21	∞	7029989	10.0000
Alpha-PHP	3.711	2333617	∞	∞	28784606	10.0000
alpha-PVP	3.437	4163137	9164.55	755.08	5626855	10.0000
Alprazolam	4.610	3159100	∞	∞	25568968	10.0000
Amitriptyline	4.323	1564367	∞	∞	3622328	10.0000
Amphetamine	2.844	2557258	285.93	∞	5626855	10.0000
Benzoylcegonine	3.385	1018997	191.42	212213.18	485168	10.0000
Brompheniramine	3.949	58675	∞	129.87	34507839	10.0000
Buprenorphine	4.006	376523	1621.12	35254.10	1451560	10.0000
Bupropion	3.635	3429256	3358.41	1091.04	11586177	10.0000
Carbamazepine	4.250	9719559	∞	10515.63	820234	10.0000
Carisoprodol	4.233	1291768	∞	258.34	7497971	10.0000
Chlordiazepoxide	4.658	1221295	25.37	∞	25568968	10.0000
Chlorpheniramine	3.861	4364815	3108.51	12.28	34507839	10.0000
Citalopram	3.994	1910386	1222.56	289.56	34507839	10.0000
Clomipramine	4.532	1838949	201210.70	307.10	34507839	10.0000
Clonazepam	4.455	1514712	∞	71917.87	25568968	10.0000
Clonazolam	4.375	1767014	115919.93	∞	25568968	10.0000
Cocaehtylene	3.688	3934523	∞	∞	26911963	10.0000
Cocaine	3.491	4990310	907.66	278.41	26911963	10.0000
Codeine	2.699	339561	711.11	∞	7889380	10.0000
Cyclobenzaprine	4.262	1422487	366.13	103.37	3622328	10.0000
Desipramine	4.309	2194238	84677.25	∞	3622328	10.0000
Dextromethorphan	3.985	1096866	688.75	1679.60	5690280	10.0000
Dextrorphan	3.311	2332658	19852.39	467.91	5690280	10.0000
Diazepam	4.843	940384	∞	∞	25568968	10.0000
Dihydrocodeine	2.667	854464	∞	∞	7889380	10.0000
Diphenhydramine	3.955	5012933	∞	2084.37	34507839	10.0000

Cal

SL



AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.061	1009227	511.84	165.42	10822885	10.0000
Doxylamine	3.539	8198929	∞	2195792.75	5690280	10.0000
EDDP	3.999	4943594	4155.86	1818.46	2721714	10.0000
Estazolam	4.535	6347797	∞	1284.27	25568968	10.0000
Etizolam	4.636	411679	60406.18	7247.33	25568968	10.0000
Fentanyl	3.901	129622	58.93	88504.47	7713236	10.0000
Flualprazolam	4.484	1165022	∞	1842.26	25568968	10.0000
Flunitrazepam	4.579	2897099	117013.17	948155.60	25568968	10.0000
Fluoxetine	4.273	1390477	∞	∞	3909640	10.0000
Flurazepam	4.022	2127079	3025.28	989.13	25568968	10.0000
Hydrocodone	2.881	1328088	∞	97.90	7889380	10.0000
Hydromorphone	2.367	1230511	∞	∞	192716	10.0000
Imipramine	4.306	2667666	2587.70	∞	3622328	10.0000
Ketamine	3.266	3450501	∞	248.20	11539097	10.0000
Lamotrigine	3.434	343618	381.50	∞	34507839	10.0000
Levamisole	2.841	2140842	2306.92	∞	26911963	10.0000
Levetiracetam	2.659	995344	377.11	270.20	34507839	10.0000
Lorazepam	4.439	577000	791.72	221.14	25568968	10.0000
Maprotiline	4.323	1564367	∞	∞	3622328	10.0000
MDA	2.948	2399706	2491.64	994.11	18939699	10.0000
MDEA	3.177	3932433	∞	∞	18939699	10.0000
MDMA	3.024	4708315	∞	340.52	18939699	10.0000
Meperidine	3.511	2120392	964.11	∞	5690280	10.0000
Meprobamate	3.668	739933	625.49	146.77	7497971	10.0000
Methadone	4.303	3473294	122458.49	3222.83	2721714	10.0000
Methamphetamine	2.935	4341098	294.91	720.50	18939699	10.0000
Methocarbamol	3.573	613700	∞	∞	2721714	10.0000
Methylphenidate	3.436	8426523	∞	∞	16779882	10.0000
Metoprolol	3.371	587214	1077.75	235964.16	5690280	10.0000
Midazolam	4.469	587104	216.40	∞	25568968	10.0000
Mirtazapine	3.601	1679728	∞	258101.81	5690280	10.0000
Mitragynine	4.037	222388	85768.74	∞	5690280	10.0000
Morphine	2.185	224548	∞	1171.93	192716	10.0000
Norbuprenorphine	3.746	51578	23845.40	41.41	1451560	10.0000
Nordiazepam	4.707	1742657	∞	507.34	25568968	10.0000
Norfentanyl	3.267	6061313	1603053.91	∞	28784606	10.0000
Norhydrocodone	2.867	26240	∞	17.64	192716	10.0000
Norketamine	3.268	774616	354.39	∞	11539097	10.0000
Normeperidine	3.528	2000098	4655.79	460.99	34507839	10.0000
Noroxycodone	2.835	1274102	350.26	404.85	11539097	10.0000
Nortriptyline	4.340	925498	249322.11	268.88	3622328	10.0000
O-desmethyl-tramadol	2.869	6041060	14522.45	367.85	34507839	10.0000
Olanzapine	3.275	1002642	∞	339.98	820234	10.0000
Oxazepam	4.521	2888607	∞	∞	17342562	10.0000
Oxycodone	2.833	2519870	∞	267.56	11539097	10.0000
Oxymorphone	2.271	1326015	∞	∞	192716	10.0000
Paroxetine	4.269	220566	9960.17	629.02	3909640	10.0000
Phenazepam	4.651	2910809	133437.96	∞	25568968	10.0000
Phencyclidine	3.834	3393974	1363.22	216.12	5690280	10.0000
Phentermine	3.087	1326175	∞	∞	16779882	10.0000
Phenytoin	4.141	1387310	34360.50	∞	820234	10.0000
Promethazine	4.214	3428512	2741.97	120.22	34507839	10.0000
Pseudoephedrine	2.660	47843955	∞	81386.31	18939699	10.0000
Quetiapine	4.160	2220363	1048237.86	1970.55	34225353	10.0000
Sertraline	4.488	735757	340.70	183.25	3909640	10.0000
Sufentanil	4.160	103658	∞	∞	28784606	10.0000
Tapentadol	3.375	4271320	∞	663.24	11539097	10.0000
Temazepam	4.686	4652960	∞	∞	25568968	10.0000
Tramadol	3.356	7404314	4820.80	∞	34507839	10.0000
Trazodone	4.007	2291668	24753.18	866463.00	10822885	10.0000

Cal

SL

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.722	5161232	1296.46	410.21	3909640	10.0000
Zaleplon	4.351	2812350	∞	1280.49	34225353	10.0000
Zolpidem	3.735	7326035	4067531.66	802.84	34225353	10.0000
Zopiclone	3.670	610015	3674.52	11314.03	3126347	10.0000

SC

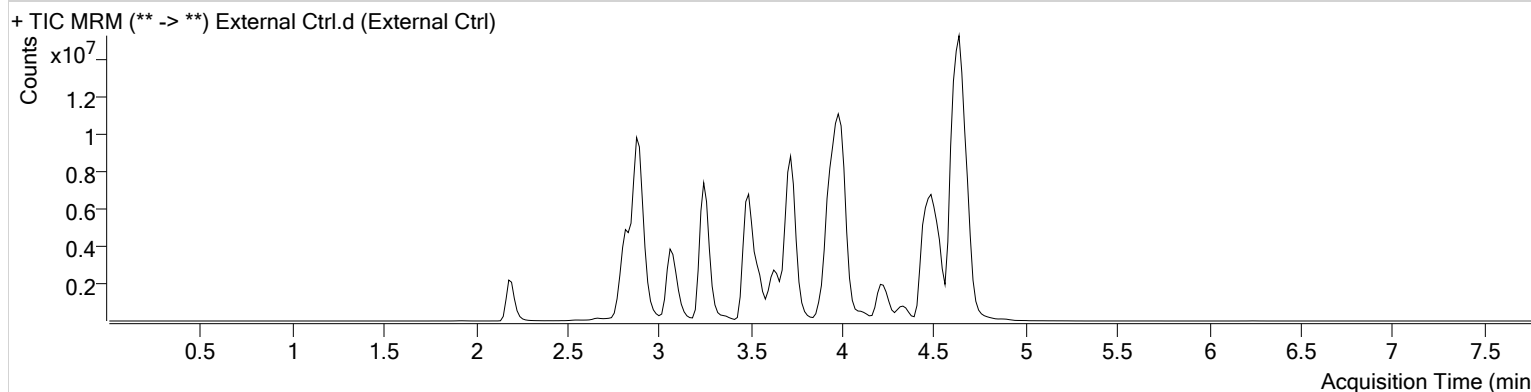


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 1/8/2021 10:08:15 AM

Instrument	Instrument 1	Data File	External Ctrl.d
Type	Sample	Sample	External Ctrl
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P2-C12	Comment	
Injection Volume	5		
Acq. Date-Time	1/6/2021 6:23:14 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.626	30653179	∞	1834.56	28591478	86.7738
Clonazepam	4.455	16748640	∞	∞	28591478	98.8840
Hydrocodone	2.881	10332953	278.07	∞	7156621	85.7694
Morphine	2.185	2218599	∞	∞	179768	105.9192

SC

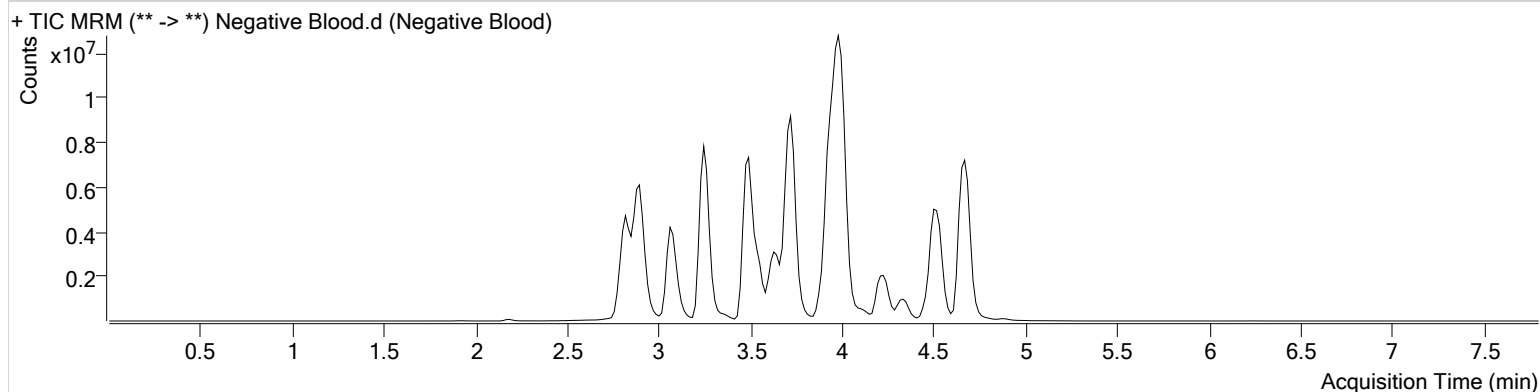


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 1/8/2021 10:08:15 AM

Instrument Type	Instrument 1 Sample	Data File	Negative Blood.d
Acq. Method	AM 25 MDS.m	Sample	Negative Blood
Sample Position	P2-D12	Operator	Sarah Collins
Injection Volume	5	Comment	
Acq. Date-Time	1/6/2021 6:14:48 PM		
Sample Info.			

Sample Chromatogram



SJ SC

AM# 26: THC and Metabolites Screen in Blood by LC-MS/MSExtraction Date: 01/06/21Analyst: Sarah Collins

Plate lot#: IDP-108-2-200723

Plate Expiration: 01/23/21

Mobile phase A: 10mM Ammonium Formate
0.1% Formic Acid in Water**Mobile phase B:** 0.1% Formic acid in MeOH
MTBE Hexane**Blank Blood Lot:** Lampire 20L20725**Column:** Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)**LCMS-QQ ID:** 069901**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. Pipette **1000 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #3382167**
- 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 4. Pipette **500 µL 0.1% formic acid** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 6. Transfer **800 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 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 **2.25 mL MTBE** (add in 3 increments of 750 µL).
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. **(12-15 PSI- Selector to the left).**
- 12. Add **2.25 mL hexane** (add in 3 increments of 750 µL).
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 10-15 seconds. **(12-15 PSI- Selector to the left).**
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100 µL 100% LCMS MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC (analyst discretion between 5-10 ng/mL).
- 3. Retention time within +/- 2% or +/-0.100 min whichever is greater of the average retention time of the calibrators.
- 4. Did all QCs pass for each analyte? Y / N
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *Calibrator 4, P2020-3669, P2020-3827 were all reconstituted and reinjected due to low internal standard response in the initial injection. Reinject data used.*

Sophia Jackson had a sample, M2020-4999-3, that was included with this batch for AM 26 only. Sarah Collins acted as the primary analyst and performed steps 3-16. I, Sophia Jackson, approved of all steps utilized in this method.

SJ SC

SJ SC

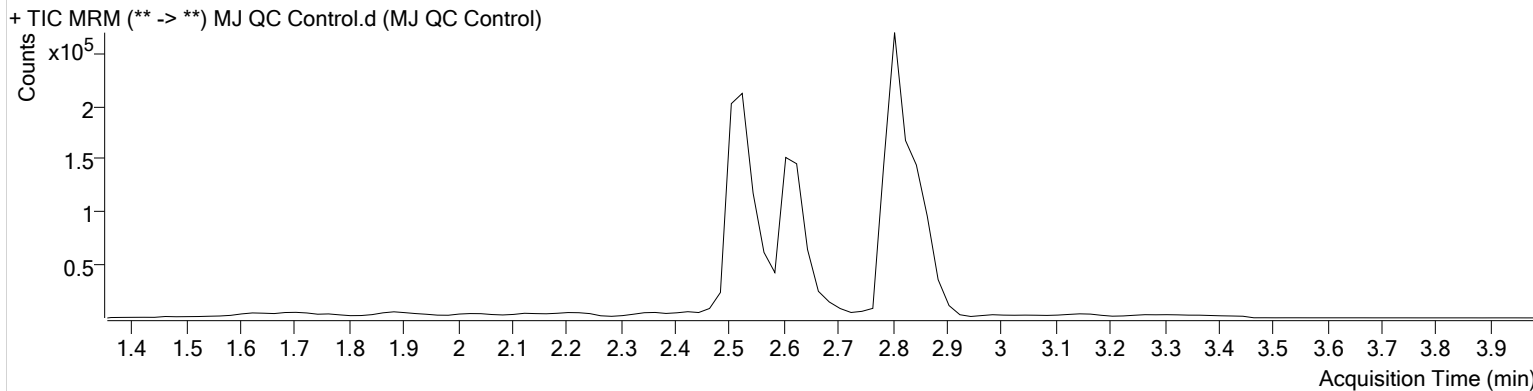


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ QC Control.d
Type	Sample	Sample	MJ QC Control
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 12:12:23 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	2179	53415	4.8108 ng/ml
THC-COOH	2.625	93265	285884	14.2692 ng/ml
THC-OH	2.512	61675	684828	4.9044 ng/ml

SJ SC

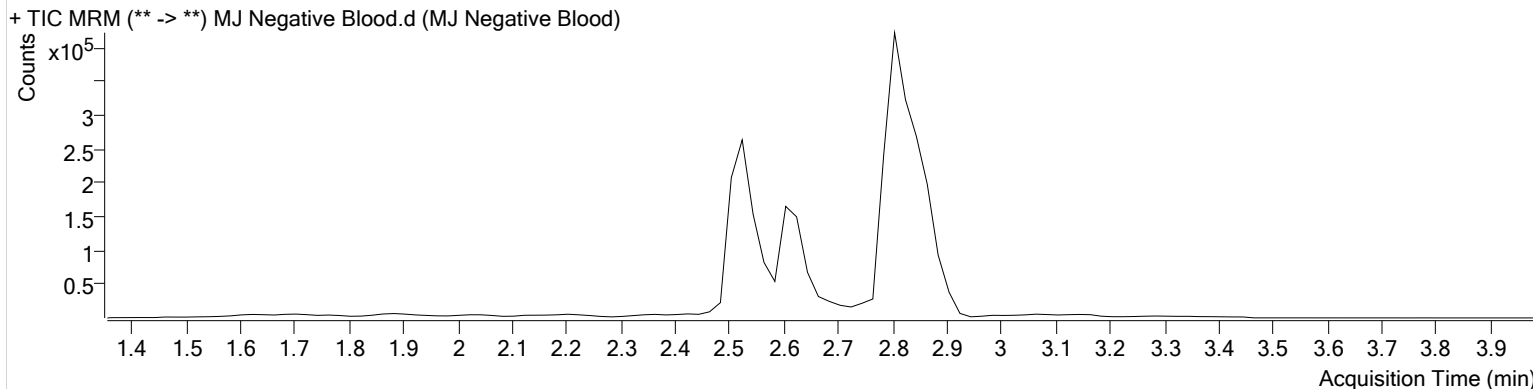


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ Negative Blood.d
Type	Sample	Sample	MJ Negative Blood
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-A2	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 12:25:27 PM		
Sample Info.			

Sample Chromatogram



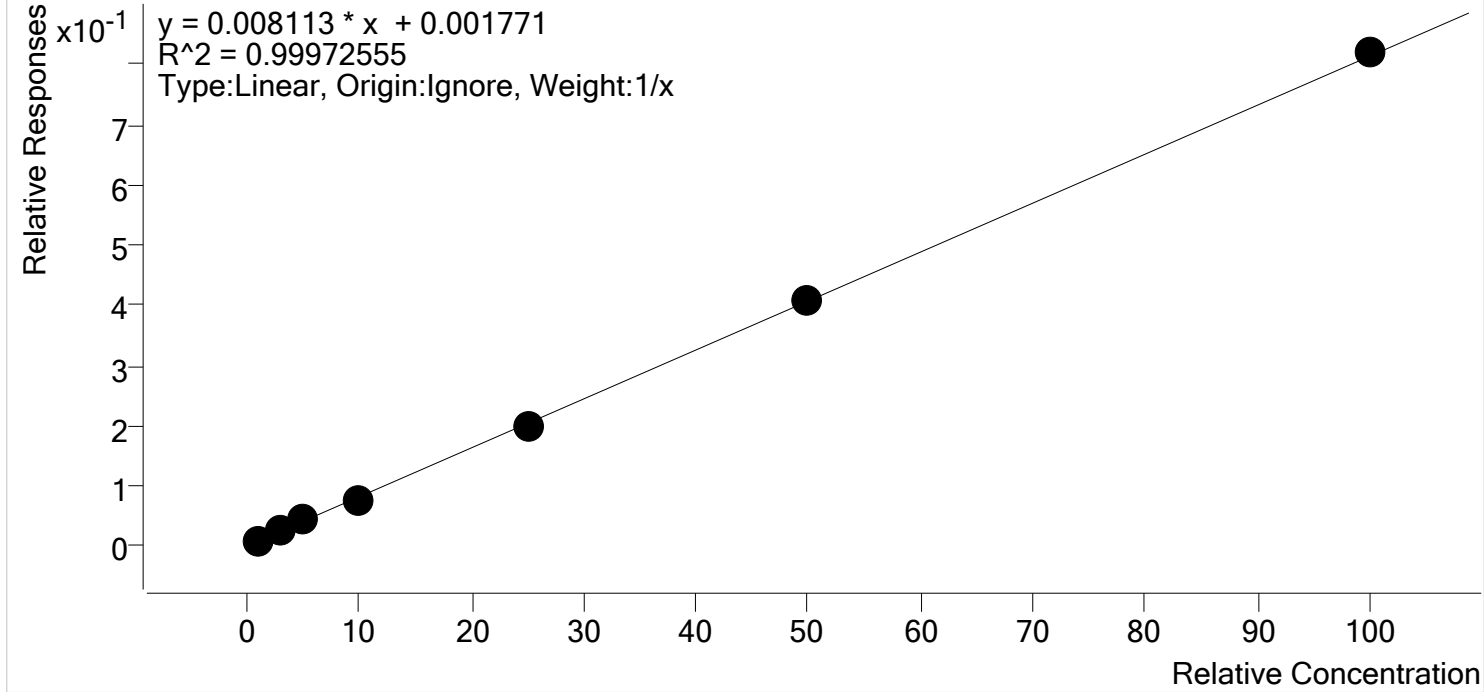
SJ & C



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 1/8/2021 7:52 AM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs



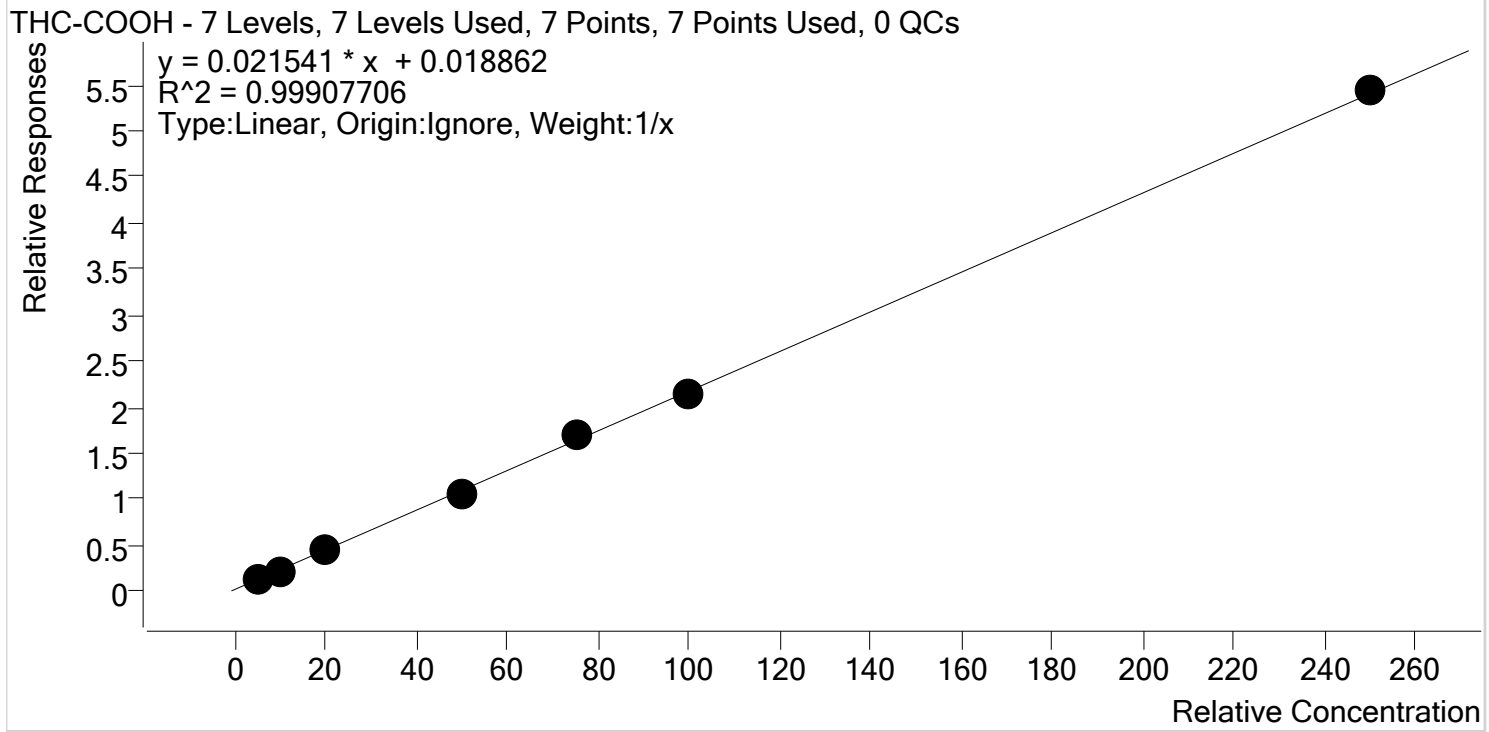
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.0	103.9
MJ Cal 2	2	✓	3.0	3.0	100.3
MJ Cal 3	3	✓	5.0	5.1	101.7
MJ Cal 4 R	4	✓	10.0	9.5	95.3
MJ Cal 5	5	✓	25.0	24.4	97.6
MJ Cal 6	6	✓	50.0	50.2	100.5
MJ Cal 7	7	✓	100.0	100.7	100.7

SJ & SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 1/8/2021 7:52 AM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9



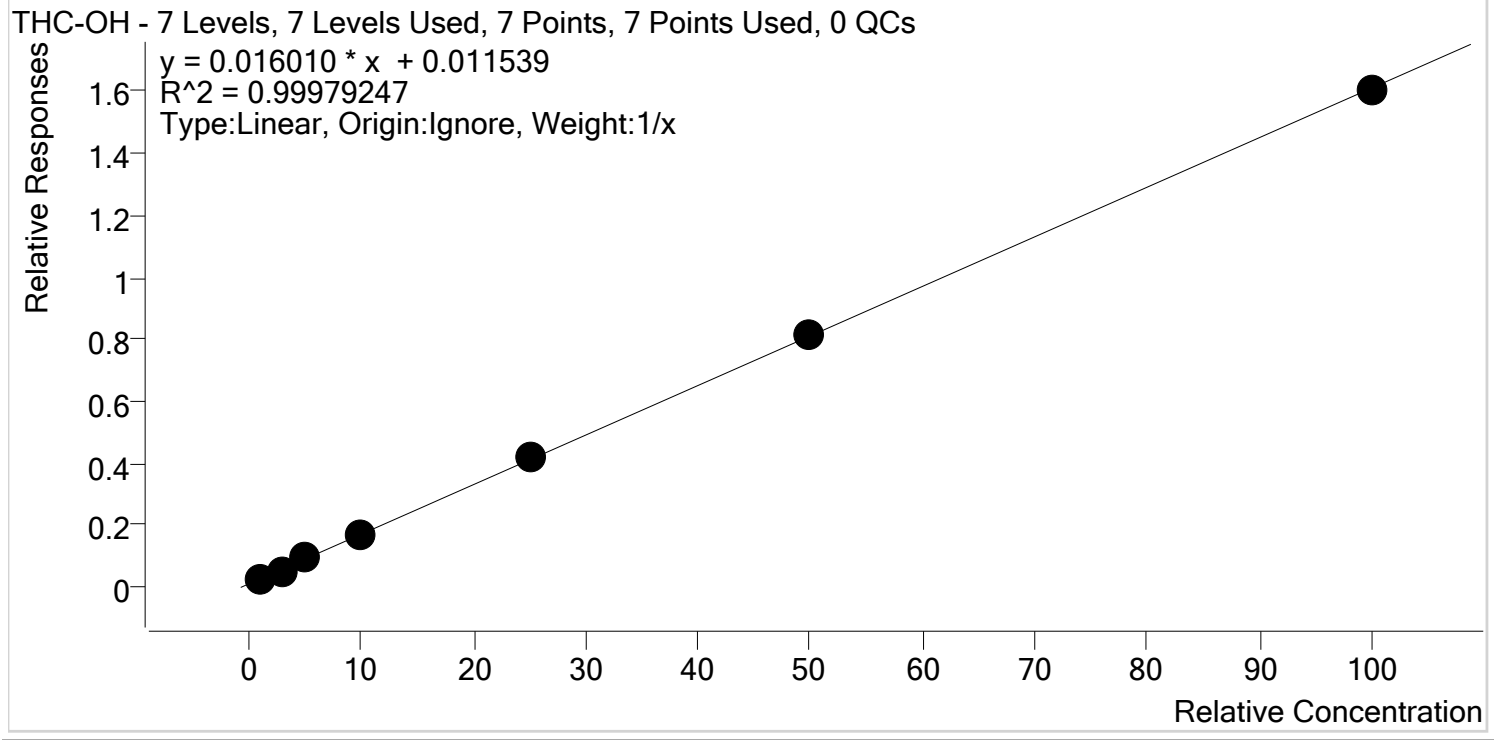
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.3	106.4
MJ Cal 2	2	✓	10.0	9.7	96.7
MJ Cal 3	3	✓	20.0	19.9	99.4
MJ Cal 4 R	4	✓	50.0	47.3	94.7
MJ Cal 5	5	✓	75.0	78.2	104.2
MJ Cal 6	6	✓	100.0	98.1	98.1
MJ Cal 7	7	✓	250.0	251.6	100.6

SJ SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 1/8/2021 7:52 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	1.0	103.8
MJ Cal 2	2	✓	3.0	2.8	92.6
MJ Cal 3	3	✓	5.0	5.2	103.5
MJ Cal 4 R	4	✓	10.0	9.9	98.9
MJ Cal 5	5	✓	25.0	25.3	101.0
MJ Cal 6	6	✓	50.0	50.4	100.9
MJ Cal 7	7	✓	100.0	99.4	99.4

SJ SC

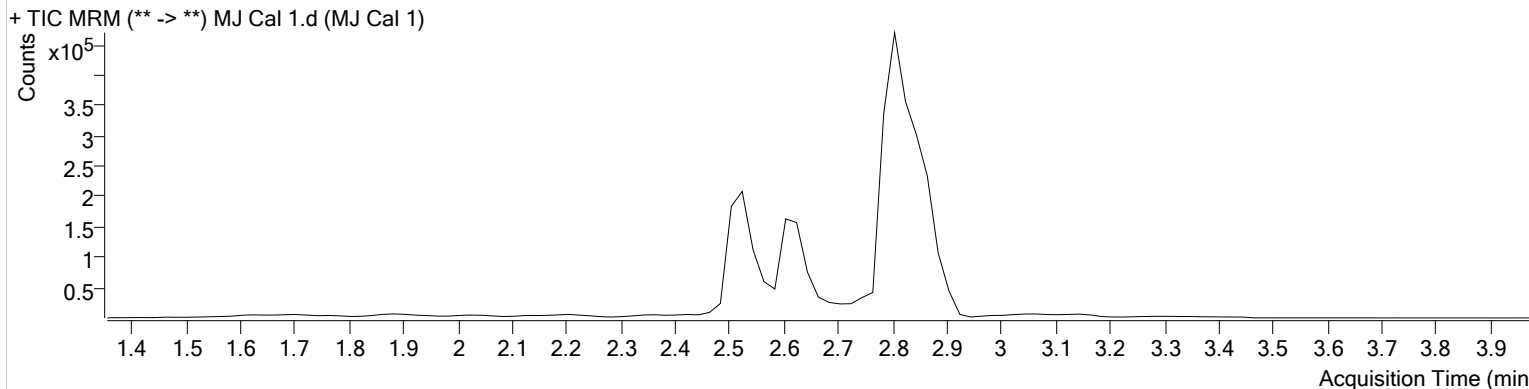


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ Cal 1.d
Type	Cal	Sample	MJ Cal 1
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 11:26:33 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	1152	112955	1.0392 ng/ml	Low
THC-COOH	2.625	49840	373586	5.3176 ng/ml	
THC-OH	2.512	19916	707451	1.0376 ng/ml	Low

SJ SC

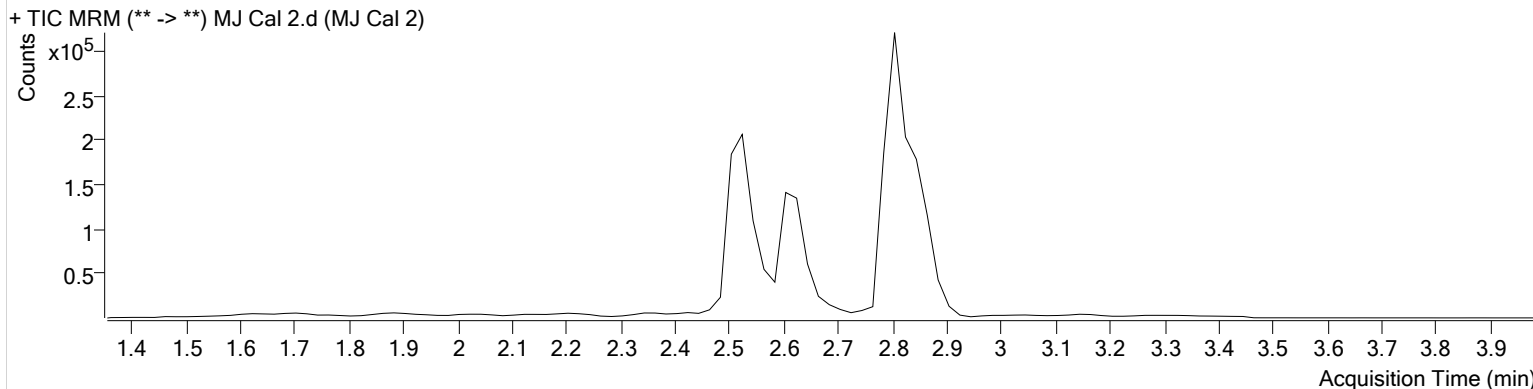


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ Cal 2.d
Type	Cal	Sample	MJ Cal 2
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-B1	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 11:33:14 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	1598	61055	3.0080 ng/ml
THC-COOH	2.625	66562	293083	9.6674 ng/ml
THC-OH	2.532	36854	657901	2.7782 ng/ml Low

SJ SC

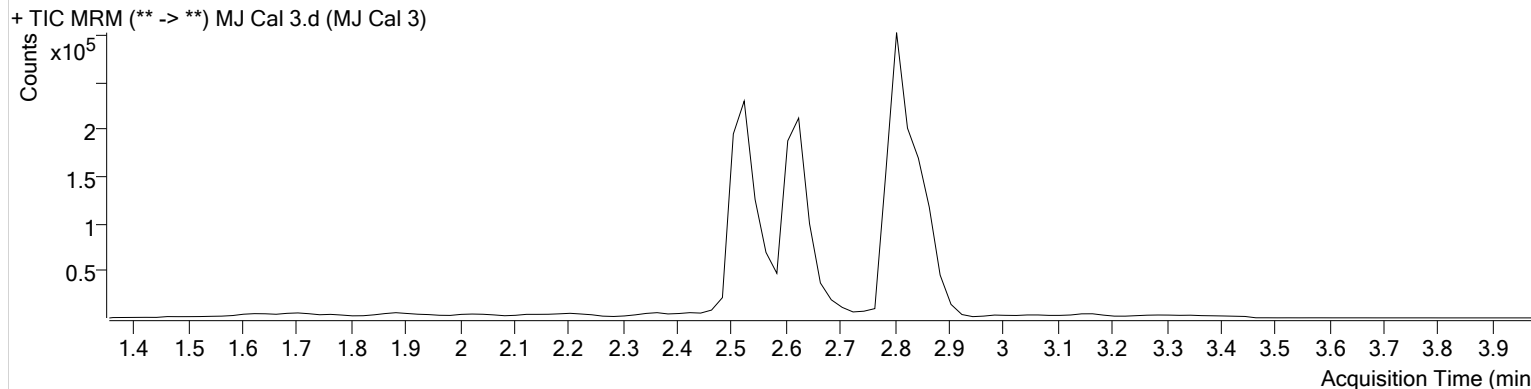


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ Cal 3.d
Type	Cal	Sample	MJ Cal 3
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 11:39:45 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	2399	55739	5.0861 ng/ml
THC-COOH	2.625	157765	352898	19.8780 ng/ml
THC-OH	2.532	67558	716021	5.1726 ng/ml

SJ SC

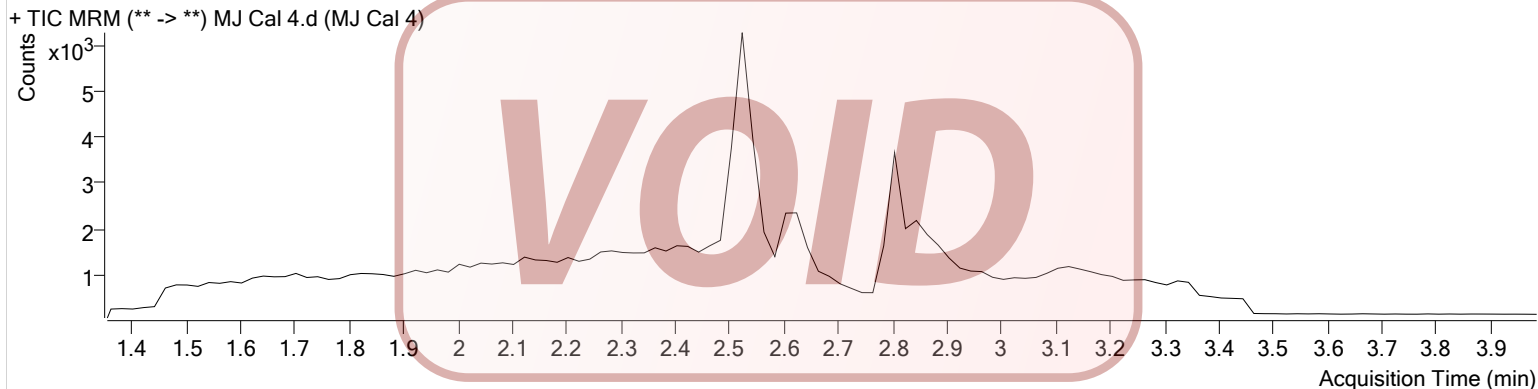


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument Type	Instrument 1 Cal	Data File	MJ Cal 4.d
Acq. Method	AM 26 THCS.m	Sample	MJ Cal 4
Sample Position	P1-D1	Operator	Sarah Collins
Injection Volume	10	Comment	
Acq. Date-Time	1/6/2021 11:46:18 AM		
Sample Info.			

Sample Chromatogram



Initial injection didn't reinject properly. Calibrator was reconstituted and reinjected. See reinject data.

SJ SC

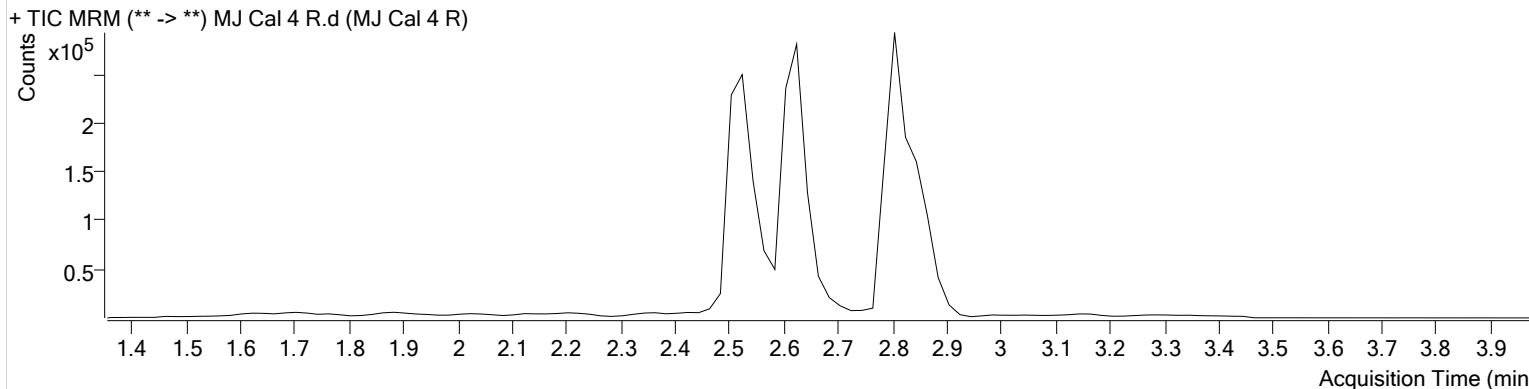


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ Cal 4 R.d
Type	Cal	Sample	MJ Cal 4 R
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-D1	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 12:31:58 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	4576	57831	9.5341 ng/ml
THC-COOH	2.625	308930	297533	47.3256 ng/ml
THC-OH	2.532	124034	730336	9.8871 ng/ml

SJ SC

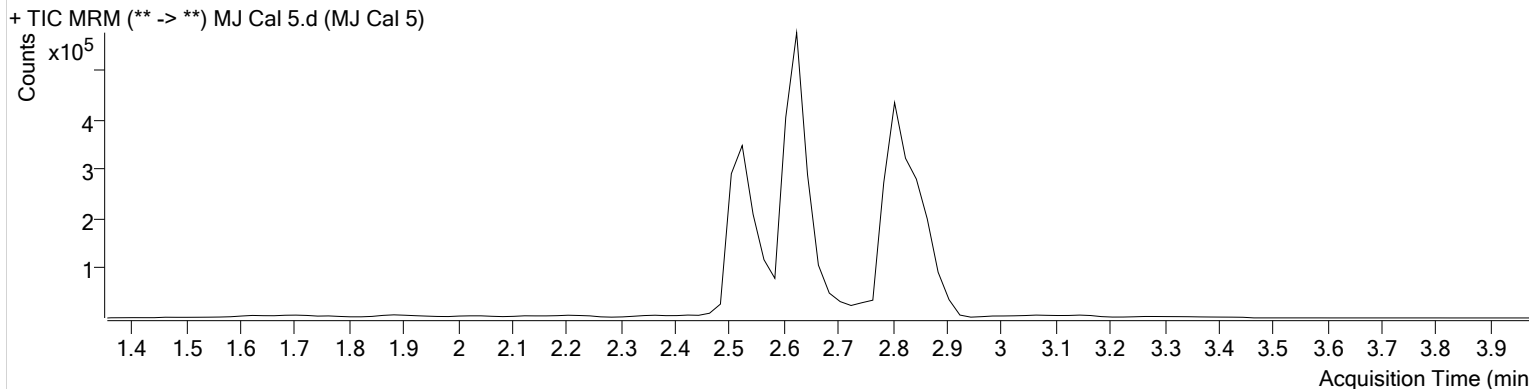


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ Cal 5.d
Type	Cal	Sample	MJ Cal 5
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 11:52:49 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	18740	93836	24.3963 ng/ml
THC-COOH	2.625	721593	423729	78.1808 ng/ml
THC-OH	2.532	361321	868911	25.2526 ng/ml

SJ SC

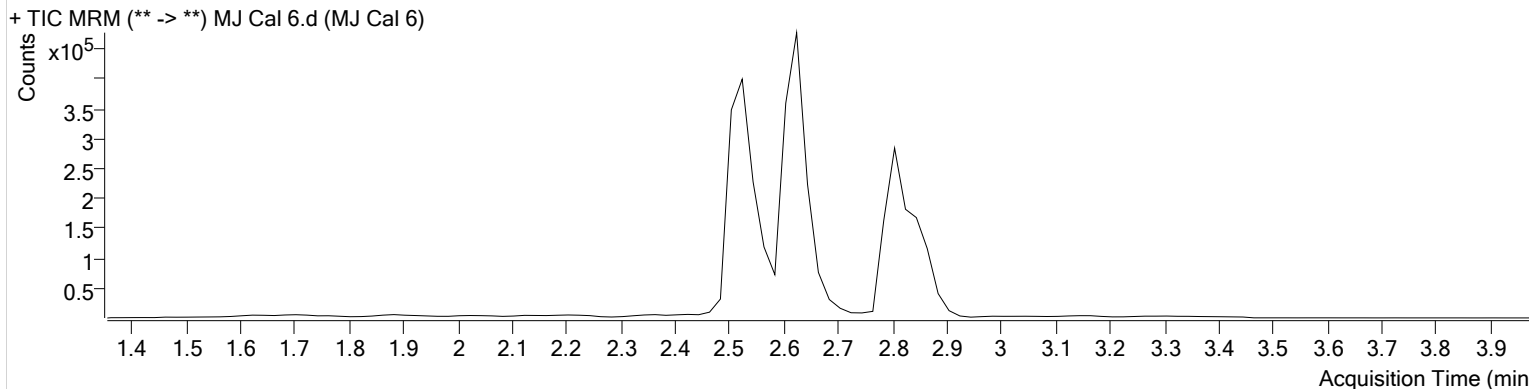


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ Cal 6.d
Type	Cal	Sample	MJ Cal 6
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-F1	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 11:59:20 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	23765	58061	50.2314 ng/ml
THC-COOH	2.625	640480	300516	98.0642 ng/ml
THC-OH	2.532	601743	734860	50.4258 ng/ml

SJ SC

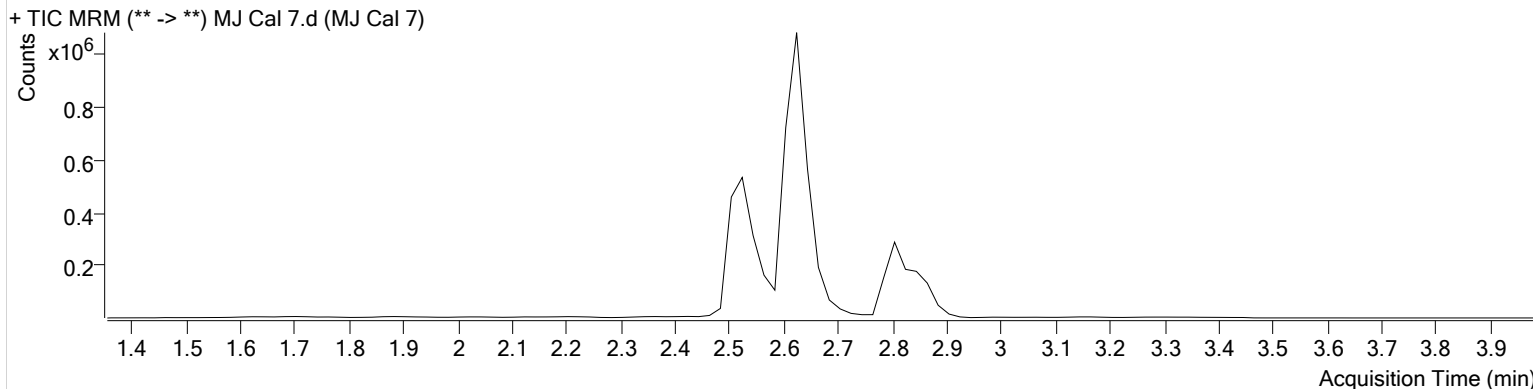


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\010621 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 1/8/2021 7:52:17 AM

Instrument	Instrument 1	Data File	MJ Cal 7.d
Type	Cal	Sample	MJ Cal 7
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-G1	Comment	
Injection Volume	10		
Acq. Date-Time	1/6/2021 12:05:51 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	46597	56907	100.7049 ng/ml
THC-COOH	2.625	1701373	312875	251.5663 ng/ml
THC-OH	2.532	1093413	681820	99.4461 ng/ml