Reviewed by Sarah Collins at 8:30 AM on Dec 31, 2020

SJ

12/21/2020

Worklist: 4689

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-3796	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4730	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4817	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4827	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4830	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4830	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4830	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4830	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4869	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4921	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-4999	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3377	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3619	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3644	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3650	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3656	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3657	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3659	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3663	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3664	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3672	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

SJ

Worklist: 4689

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2020-3707	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3710	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3742	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3744	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3754	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3762	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3763	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3765	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3766	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

SJ

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

Extraction Date: 12/23/20
Plate lot#: IDP-107-2-200511

Analyst: Sophia Jackson
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: #42**
☒ 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:
Due to extraction occurring after the expiration of the analytical plate, an external control was included with this run.

Did not evaluate Sufentanil or Olanzapine

Sample M2020-4921-1 was mistakenly treated with hexane after analytic step 14. Sample was re-extracted beginning with analytic step 1. Data from re-extraction used for analysis.

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 µL of 1mg/mL stock was added to each drug to 9600 µL of LC MeOH.

Component	*Source*	*Source Lot Number*	*Expiration Date*
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 µL of methanol external control solution was added to 9900 µL of blood.
Approximately 100 ng/mL of each compound.

Component	*Source*	*Source Lot Number*
Negative Blood	Lampire	20L20725
Methanol External Control Solution		121020
Prepared:	12/10/2020	
Prepared by:	Tamara Salazar	
Expires:	07/31/2021	

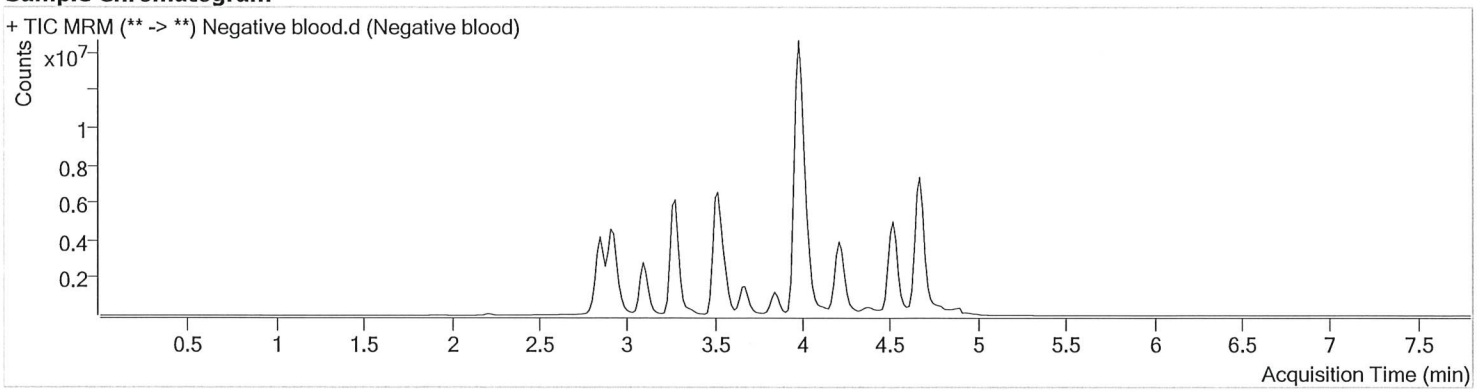
SJ

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 25.batch.bin
Calibration Last Update 12/29/2020 3:23:10 PM

Instrument	Instrument 1	**Data File**	Negative blood.d
Type	Sample	**Sample**	Negative blood
Acq. Method	AM 25 MDS.m	**Operator**	Sophia Jackson
Sample Position	P2-F1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/23/2020 7:39:28 PM		
Sample Info.			

Sample Chromatogram



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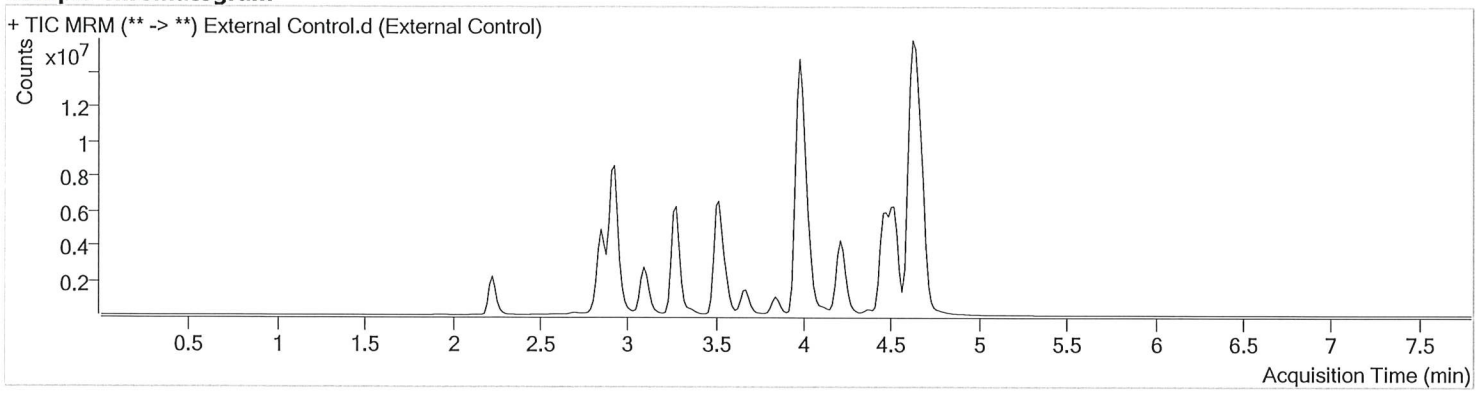
AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 25.batch.bin
Calibration Last Update 12/29/2020 3:23:10 PM

Instrument	Instrument 1	**Data File**	External Control.d
Type	Sample	**Sample**	External Control
Acq. Method	AM 25 MDS.m	**Operator**	Sophia Jackson
Sample Position	P2-E1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/23/2020 7:47:55 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.626	29283427	∞	∞	28863314	71.5140
Clonazepam	4.455	15614924	6830.92	18551.71	28863314	98.8833
Hydrocodone	2.927	10006985	613.05	479.98	7659397	77.1639
Morphine	2.229	2222313	∞	∞	215404	96.2864

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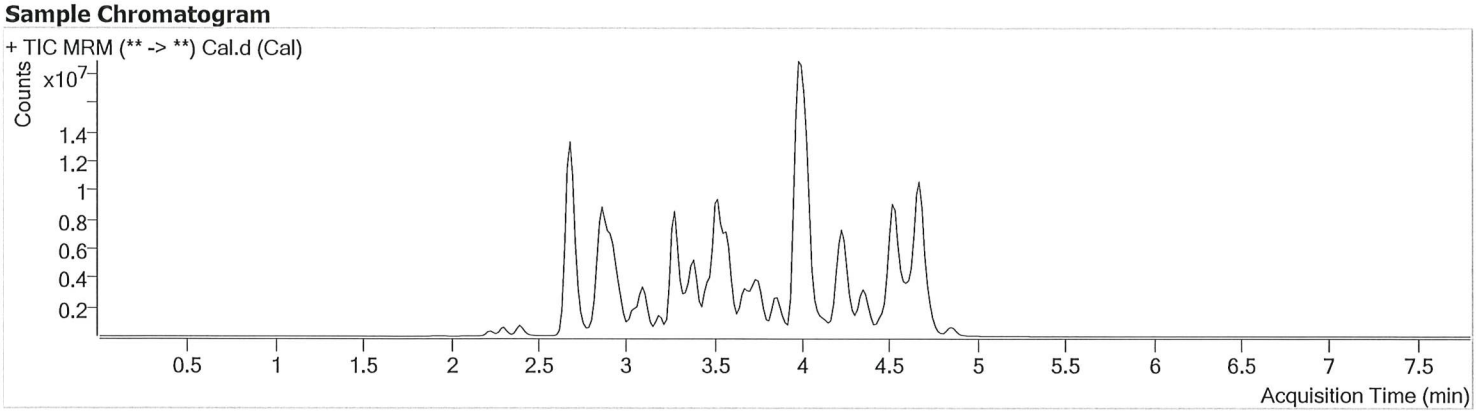
AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 25.batch.bin
Calibration Last Update 12/29/2020 3:23:10 PM

Instrument	Instrument 1	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	AM 25 MDS.m	**Operator**	Sophia Jackson
Sample Position	P2-A1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/23/2020 7:30:54 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.846	49153	335.96	38348.07	1195881	10.0000
7-aminoclonazepam	3.569	1289218	571.51	329.55	5140456	10.0000
7-aminoflunitrazepam	3.768	2011371	840.02	279.38	5140456	10.0000
Acetyl Fentanyl	3.733	80143	158.05	337.99	22272880	10.0000
Acetyl Norfentanyl	2.855	249380	∞	∞	22272880	10.0000
a-hydroxyalprazolam	4.531	317038	109.07	274.81	5140456	10.0000
alpha-hydroxymidazolam	4.591	2813604	331.30	5498.00	5140456	10.0000
Alpha-PHP	3.741	1633976	∞	446.72	22272880	10.0000
alpha-PVP	3.468	2861949	∞	689.64	3120876	10.0000
Alprazolam	4.626	3580893	∞	∞	25241012	10.0000
Amitriptyline	4.369	335766	110.85	∞	841299	10.0000
Amphetamine	2.875	1434627	851.14	744.91	3120876	10.0000
Benzoylecgonine	3.385	1208836	278.56	457.40	562818	10.0000
Brompheniramine	3.979	20092	31.74	52.24	17116423	10.0000
Buprenorphine	4.220	189120	122.93	11680.08	721350	10.0000
Bupropion	3.681	1651333	752.17	313.15	5867483	10.0000
Carbamazepine	4.250	10840770	∞	∞	568205	10.0000
Carisoprodol	4.233	1428695	12342.39	270.21	8244672	10.0000
Chlordiazepoxide	4.735	1988773	∞	396.03	25241012	10.0000
Chlorpheniramine	3.892	6144	154.32	∞	17116423	10.0000
Citalopram	4.025	905577	305.57	193.54	17116423	10.0000
Clomipramine	4.563	353965	∞	∞	17116423	10.0000
Clonazepam	4.455	1380948	5414.84	115447.75	25241012	10.0000
Clonazolam	4.375	1634254	1303.46	553.15	25241012	10.0000
Cocaethylene	3.719	3196107	∞	12459.96	22947667	10.0000
Cocaine	3.521	4380968	363047.82	266.24	22947667	10.0000
Codeine	2.729	375725	324.21	∞	7981119	10.0000
Cyclobenzaprine	4.293	345758	174.64	29.01	841299	10.0000
Desipramine	4.340	439230	299.17	85.58	841299	10.0000
Dextromethorphan	4.031	523646	2516.19	749.60	2544521	10.0000
Dextrorphan	3.326	1747113	592113.05	185.44	2544521	10.0000
Diazepam	4.859	1063424	∞	∞	25241012	10.0000
Dihydrocodeine	2.697	900781	125.87	∞	7981119	10.0000
Diphenhydramine	3.986	2257694	587.50	390.54	17116423	10.0000

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AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.091	291377	2598.67	42.63	5828148	10.0000
Doxylamine	3.585	6332408	∞	10875.98	2544521	10.0000
EDDP	4.029	2162863	381.84	621.53	1222189	10.0000
Estazolam	4.535	6815688	415.84	∞	25241012	10.0000
Etizolam	4.636	415144	171947.90	350704.26	25241012	10.0000
Fentanyl	3.962	31298	11.66	13434.09	2202472	10.0000
Flualprazolam	4.484	1195325	∞	∞	25241012	10.0000
Flunitrazepam	4.579	2643669	470.42	234.69	25241012	10.0000
Fluoxetine	4.288	216881	∞	43.87	742001	10.0000
Flurazepam	4.083	1187523	263.16	303.13	25241012	10.0000
Hydrocodone	2.927	1351320	∞	∞	7981119	10.0000
Hydromorphone	2.396	1129549	∞	∞	244239	10.0000
Imipramine	4.337	692129	932.10	48.49	841299	10.0000
Ketamine	3.343	2865986	30148.79	450.12	11569291	10.0000
Lamotrigine	3.511	297326	9446.05	130586.81	17116423	10.0000
Levamisole	2.886	1981181	∞	217.03	22947667	10.0000
Levetiracetam	2.659	1102083	290.23	1342.35	17116423	10.0000
Lorazepam	4.454	513230	8430.19	283.26	25241012	10.0000
Maprotiline	4.369	335766	110.85	2718.89	841299	10.0000
MDA	2.979	1675668	∞	∞	8819924	10.0000
MDEA	3.192	2831216	837.98	211.24	8819924	10.0000
MDMA	3.055	3617014	13934728.22	487.23	8819924	10.0000
Meperidine	3.541	1479307	∞	∞	2544521	10.0000
Meprobamate	3.668	754745	1635.68	192.76	8244672	10.0000
Methadone	4.349	1489666	163.95	124.82	1222189	10.0000
Methamphetamine	2.965	1925211	260.92	151.70	8819924	10.0000
Methocarbamol	3.588	732545	249.42	∞	1222189	10.0000
Methylphenidate	3.467	5691118	∞	∞	9561240	10.0000
Metoprolol	3.402	416895	655.27	543.77	2544521	10.0000
Midazolam	4.683	545962	∞	∞	25241012	10.0000
Mirtazapine	3.709	972215	141.01	106115.24	2544521	10.0000
Mitragynine	4.083	77710	1073.48	137066.16	2544521	10.0000
Morphine	2.229	261699	∞	∞	244239	10.0000
Norbuprenorphine	3.776	16737	711.23	1595.10	721350	10.0000
Nordiazepam	4.707	1624115	∞	501.88	25241012	10.0000
Norfentanyl	3.282	4781390	∞	∞	22272880	10.0000
Norhydrocodone	2.883	27869	∞	97.06	244239	10.0000
Norketamine	3.375	694162	485.35	166705.67	11569291	10.0000
Normeperidine	3.559	1086300	3473.64	∞	17116423	10.0000
Noroxycodone	2.850	1243622	252.06	364.76	11569291	10.0000
Nortriptyline	4.371	190124	77744.83	45.63	841299	10.0000
O-desmethyl-tramadol	2.884	6354560	4620.82	524.05	17116423	10.0000
~~Olanzapine~~	~~3.612~~	~~327720~~	~~14682.81~~	~~278.95~~	~~568205~~	~~10.0000~~ *
Oxazepam	4.521	2875932	∞	515.45	17506740	10.0000
Oxycodone	2.863	2808658	733.96	381.86	11569291	10.0000
Oxymorphone	2.302	1203928	∞	∞	244239	10.0000
Paroxetine	4.300	30849	∞	∞	742001	10.0000
Phenazepam	4.651	2553575	352883.58	4858.97	25241012	10.0000
Phencyclidine	3.865	2028590	∞	∞	2544521	10.0000
Phentermine	3.118	702687	∞	16.97	9561240	10.0000
Phenytoin	4.141	959668	123.40	564.60	568205	10.0000
Promethazine	4.260	793724	12994.58	96.51	17116423	10.0000
Pseudoephedrine	2.690	37772726	∞	11502.19	8819924	10.0000
Quetiapine	4.268	1183677	62419.52	3006.67	35052793	10.0000
Sertraline	4.519	134152	32043.51	111.68	742001	10.0000
~~Sufentanil~~	~~4.252~~	~~22999~~	~~494.80~~	~~6.50~~	~~22272880~~	~~10.0000~~ *
Tapentadol	3.406	3303046	1402.43	463.58	11569291	10.0000
Temazepam	4.673	4658381	1838.78	∞	25241012	10.0000
Tramadol	3.387	6173695	∞	263.75	17116423	10.0000
Trazodone	4.237	1201194	287.28	133.25	5828148	10.0000

Cal

*Compound not evaluated

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.754	3902219	1027.80	484.07	742001	10.0000
Zaleplon	4.351	2611106	3208.98	967.91	35052793	10.0000
Zolpidem	3.996	7775281	524.54	471.79	35052793	10.0000
Zopiclone	3.838	795186	185006.36	891.92	4009369	10.0000

Cal

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

Extraction Date: 12/23/2020
Plate lot#: IDP-108-2-200723

Analyst: Sophia Jackson
Plate Expiration: 01/23/2021

Mobile phase A: 0.1% Formic Acid in LCMS Water
Blank Blood Lot: Lampire 20L20725
LCMS-QQQ ID: 069901

Mobile phase B: 0.1% Formic acid in Acetonitrile
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.
Using a calibrated pipette, add **1000µl blood and urine (if applicable) (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID:** 3382167
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 4. Pipette **500µL 0.1% formic acid in water blood sample, 500 µL saturated phosphate buffer in urine** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate.
Amount transferred: 800 uL
☒ 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 **2.25mL MTBE. (*Add in 3 increments of 750uL)***
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **2.25mL Hexane. (*Add in 3 increments of 750uL)***
☒ 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. 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:
Curves limited: Hydroxy-THC 3-100
Sample M2020-4999-3 had a poor ISTD response that was not resolved by re-injection. Sample data not evaluated

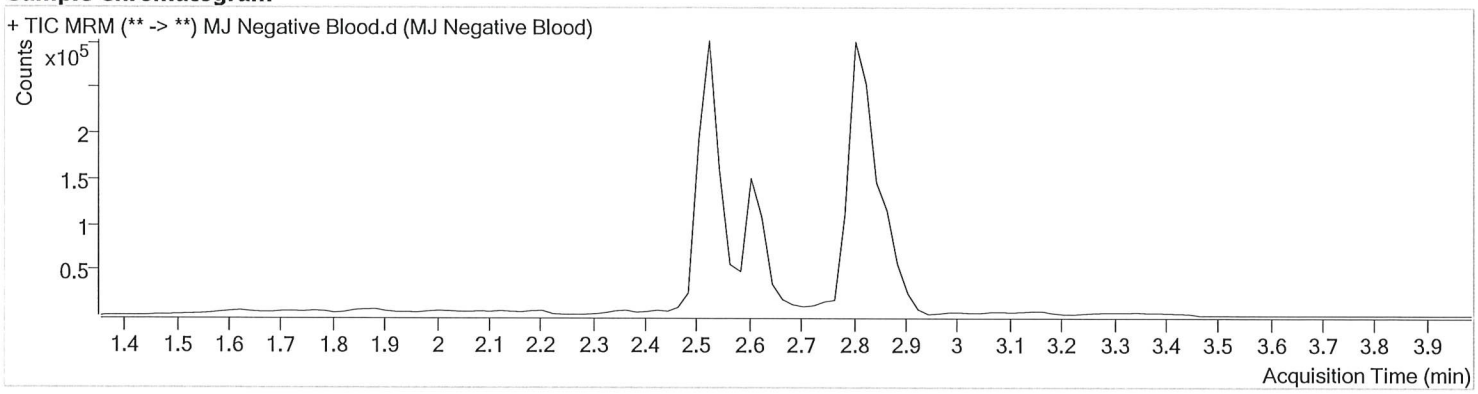
SJ

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update 12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ Negative Blood.d
Type	Sample	**Sample**	MJ Negative Blood
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-A2	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 3:16:38 PM		
Sample Info.			

Sample Chromatogram



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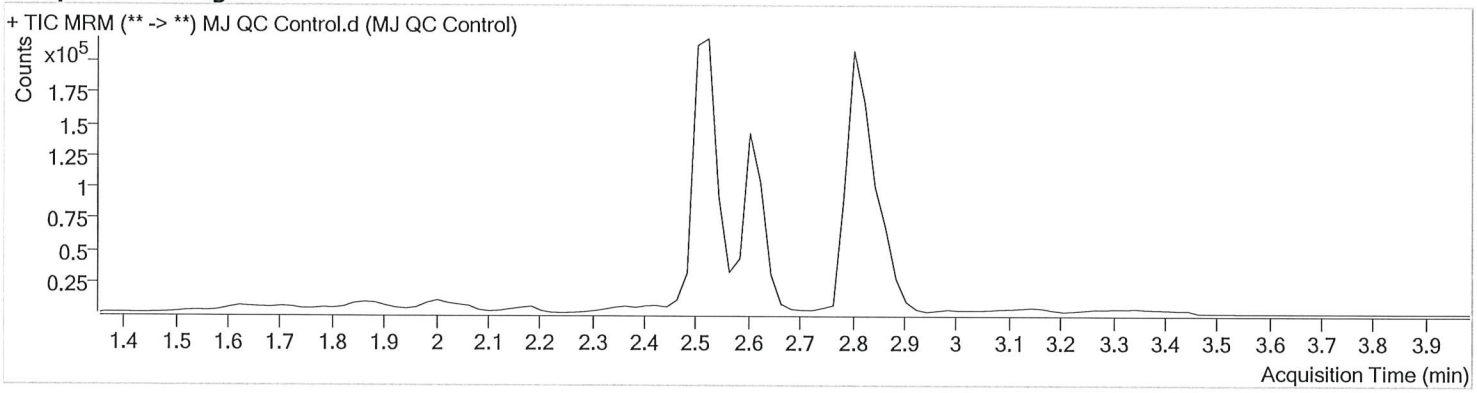
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update 12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ QC Control.d
Type	Sample	**Sample**	MJ QC Control
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 3:03:31 PM		
Sample Info.			

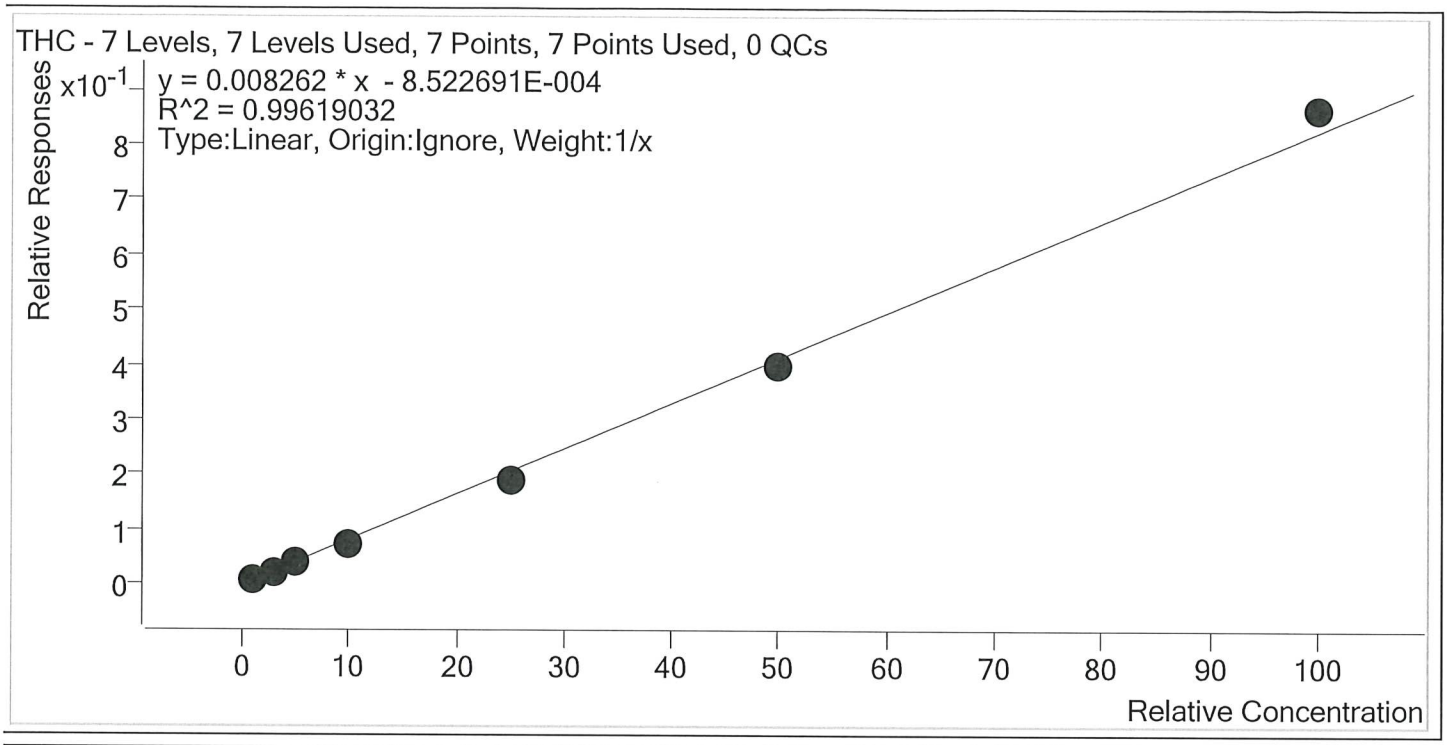
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	2612	69074	4.6811 ng/ml
THC-COOH	2.625	73236	219457	16.3893 ng/ml
THC-OH	2.532	53677	600093	5.0909 ng/ml

AM #26 Cannabinoids Screen Calibration Curve Report

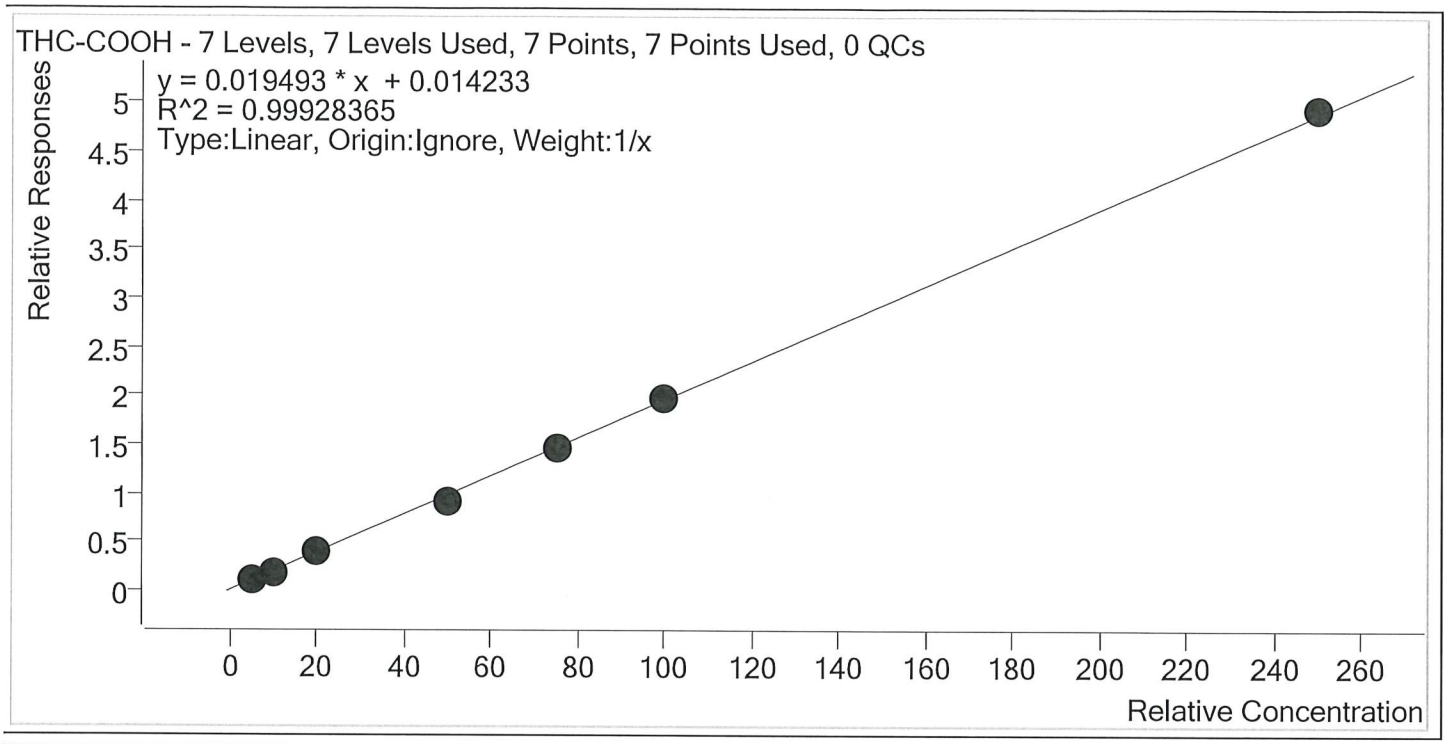
Batch results	D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Last Cal. Update	12/30/2020 7:42 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.2	117.4
MJ Cal 2	2	✓	3.0	2.9	95.9
MJ Cal 3	3	✓	5.0	5.2	104.2
MJ Cal 4	4	✓	10.0	9.0	90.2
MJ Cal 5	5	✓	25.0	22.8	91.0
MJ Cal 6	6	✓	50.0	48.2	96.4
MJ Cal 7	7	✓	100.0	104.8	104.8

AM #26 Cannabinoids Screen Calibration Curve Report

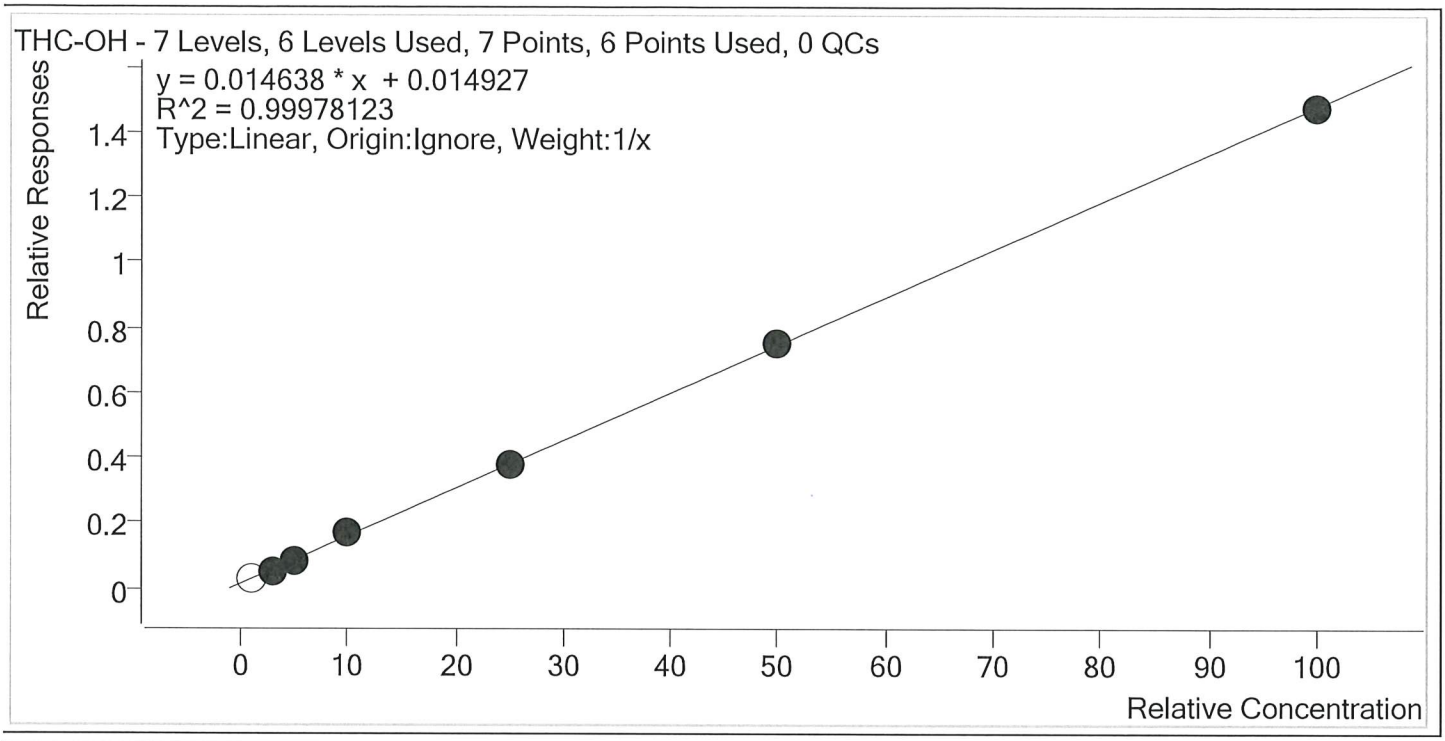
Batch results	D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Last Cal. Update	12/30/2020 7:42 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.4	108.9
MJ Cal 2	2	✓	10.0	9.6	96.4
MJ Cal 3	3	✓	20.0	19.8	99.1
MJ Cal 4	4	✓	50.0	46.9	93.8
MJ Cal 5	5	✓	75.0	75.0	100.0
MJ Cal 6	6	✓	100.0	100.9	100.9
MJ Cal 7	7	✓	250.0	252.3	100.9

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Last Cal. Update	12/30/2020 7:42 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	1.2	116.6
MJ Cal 2	2	✓	3.0	2.9	95.7
MJ Cal 3	3	✓	5.0	5.0	100.3
MJ Cal 4	4	✓	10.0	10.5	104.7
MJ Cal 5	5	✓	25.0	24.8	99.2
MJ Cal 6	6	✓	50.0	50.2	100.3
MJ Cal 7	7	✓	100.0	99.7	99.7

Generated at 7:43 AM on 12/30/2020

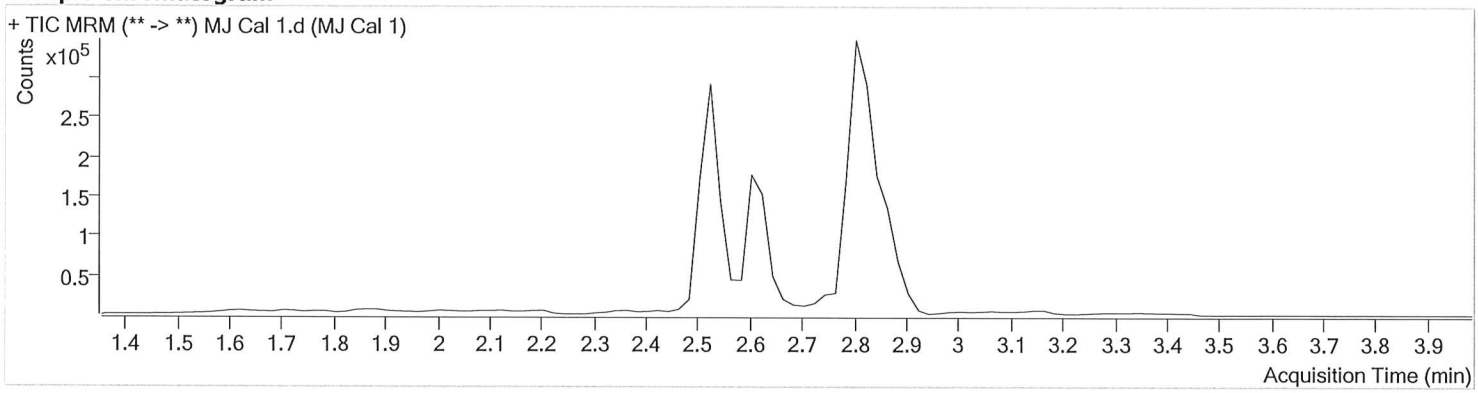
SJ

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update 12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ Cal 1.d
Type	Cal	**Sample**	MJ Cal 1
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-A1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 2:17:40 PM		
Sample Info.			

Sample Chromatogram



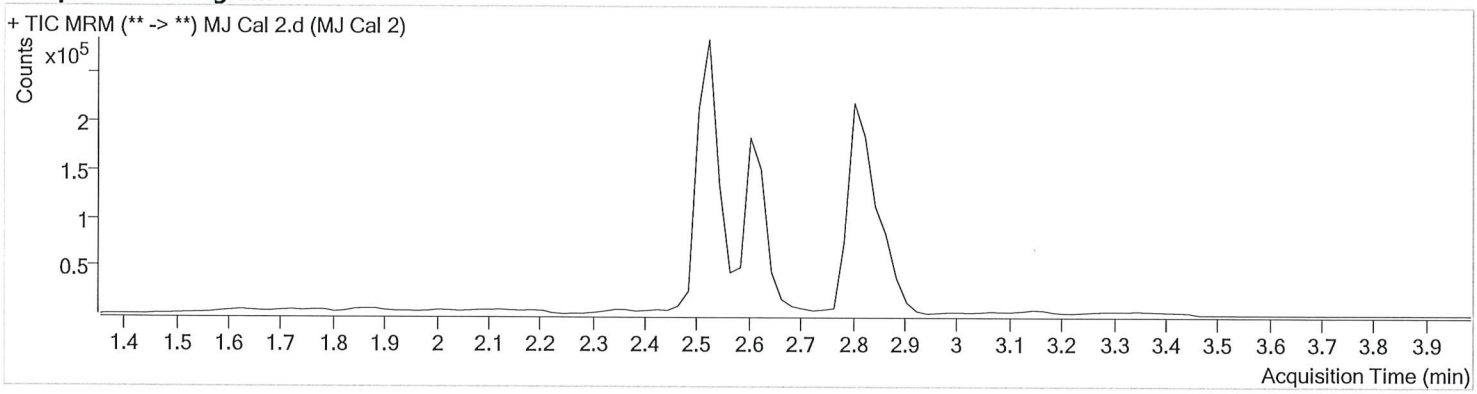
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.879	1093	123554	1.1739	ng/ml	Low
THC-COOH	2.625	43155	358508	5.4450	ng/ml	
THC-OH	2.491	25573	799214	1.1662	ng/ml	Low

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update	12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ Cal 2.d
Type	Cal	**Sample**	MJ Cal 2
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-B1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 2:24:21 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.879	1764	76948	2.8781	ng/ml	Low
THC-COOH	2.625	69639	344593	9.6370	ng/ml	
THC-OH	2.532	45499	798700	2.8720	ng/ml	Low

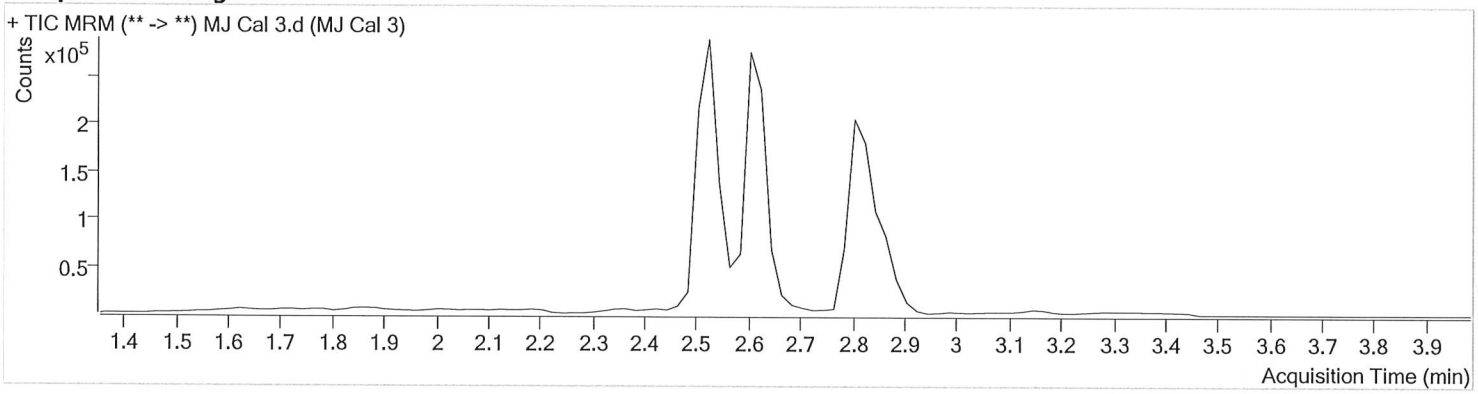
SJ

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update 12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ Cal 3.d
Type	Cal	**Sample**	MJ Cal 3
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-C1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 2:30:53 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	3202	75855	5.2125 ng/ml
THC-COOH	2.625	171649	428296	19.8292 ng/ml
THC-OH	2.532	70254	795365	5.0145 ng/ml

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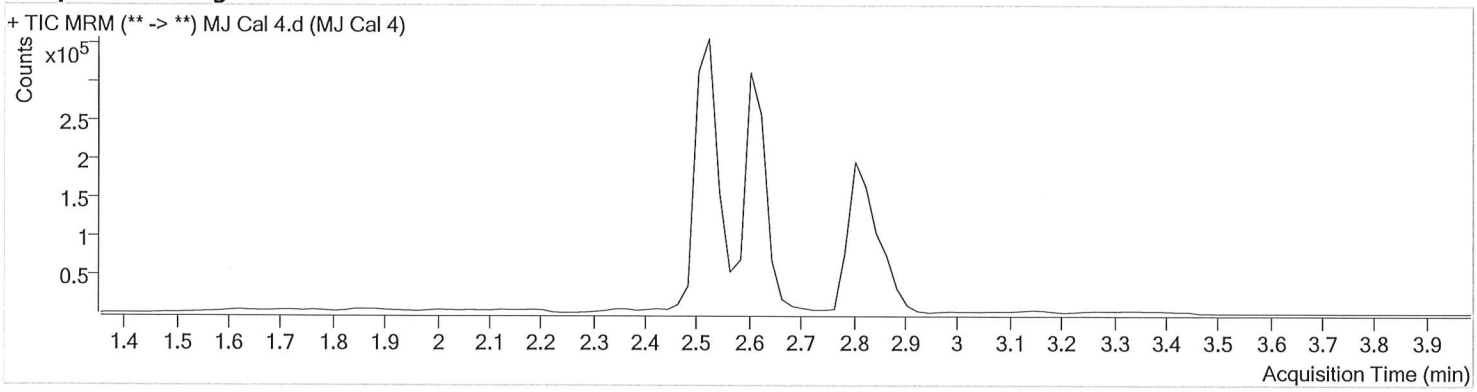
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update 12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ Cal 4.d
Type	Cal	**Sample**	MJ Cal 4
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-D1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 2:37:24 PM		
Sample Info.			

Sample Chromatogram



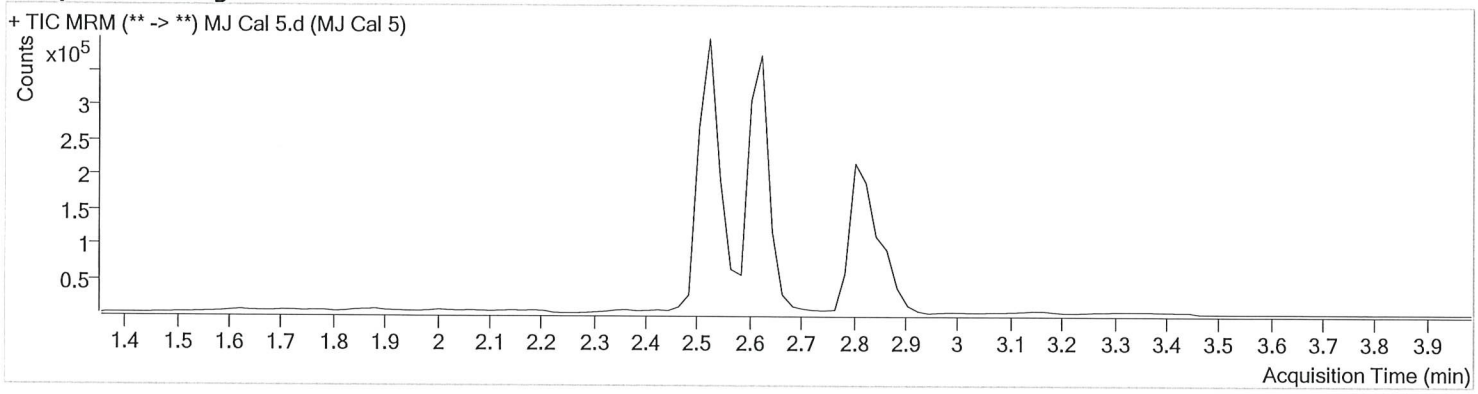
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	5589	75840	9.0231 ng/ml
THC-COOH	2.625	289747	312156	46.8866 ng/ml
THC-OH	2.532	149479	888444	10.4742 ng/ml

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update	12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ Cal 5.d
Type	Cal	**Sample**	MJ Cal 5
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-E1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 2:43:57 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	13668	73017	22.7615 ng/ml
THC-COOH	2.625	415361	281313	75.0139 ng/ml
THC-OH	2.532	307828	814095	24.8120 ng/ml

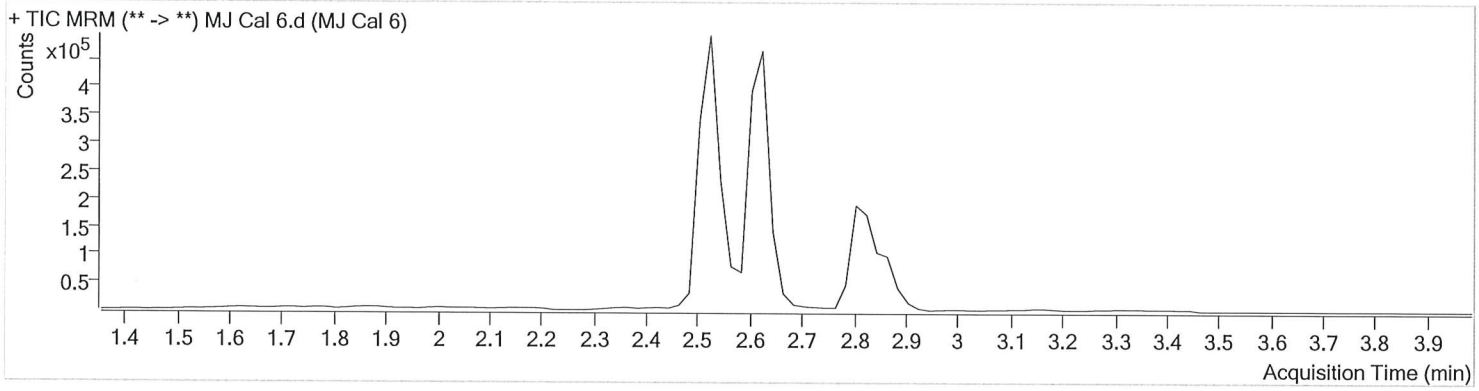
SJ

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update	12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ Cal 6.d
Type	Cal	**Sample**	MJ Cal 6
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-F1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 2:50:28 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	28278	71178	48.1922	ng/ml
THC-COOH	2.625	561774	283673	100.8610	ng/ml
THC-OH	2.532	589308	786618	50.1601	ng/ml

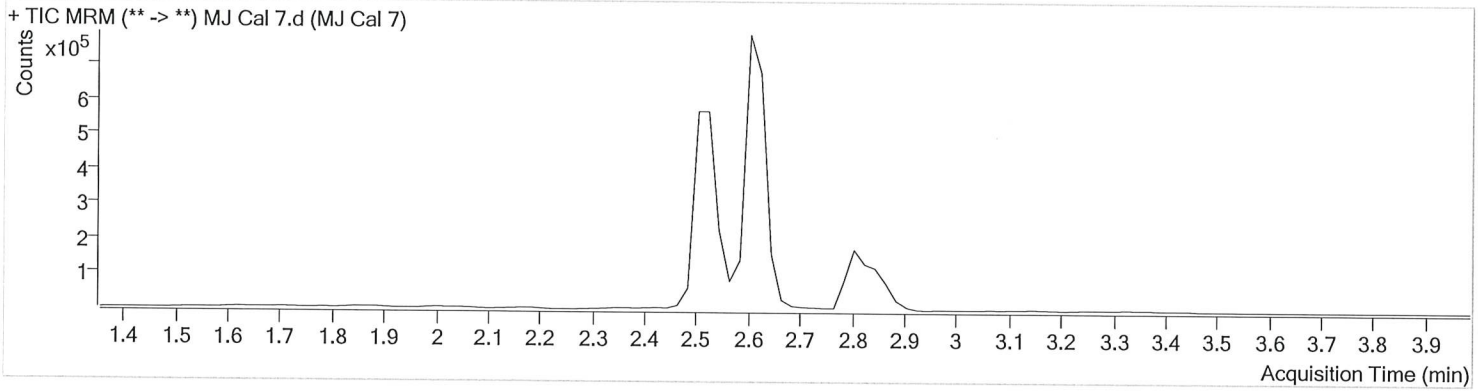
SJ

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\122320 AM 25 26 SJ\QuantResults\AM 26.batch.bin
Calibration Last Update 12/30/2020 7:42:10 AM

Instrument	Instrument 1	**Data File**	MJ Cal 7.d
Type	Cal	**Sample**	MJ Cal 7
Acq. Method	AM 26 THCS.m	**Operator**	Sophia Jackson
Sample Position	P1-G1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/23/2020 2:57:00 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	57910	66978	104.7586 ng/ml
THC-COOH	2.605	1106472	224302	252.3273 ng/ml
THC-OH	2.532	969890	658067	99.6672 ng/ml