





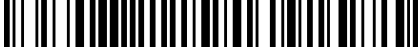


Worklist: 5766

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-1072	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1073	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1074	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1081	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1133	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1134	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1195	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1195	5	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1252	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-1298	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-4010	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0716	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0864	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0871	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0875	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0880	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0881	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0882	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0886	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0892	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0895	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 5766

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2022-0898	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0901	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0902	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0904	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0906	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0925	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-0926	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: 04/01/2022

Plate lot#: 211015

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 22B52016-2

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 04/15/2022

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: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. (SKIPPED PER DEVIATION)
- 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** mixture to corresponding wells of SLE+ plate.
Amount transferred: 300µl
- 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). Manifold ID: 067104
- 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. 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:

**Idaho State Police
Forensic Services**

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation “Addition of Compounds/Modifications for the MDS” (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

Technical Justification for Analytical Method Deviations: Refer to validation “Addition of Compounds/Modifications for the MDS” (approved on 2/2/2022)

Technical Review

Departure approved
Comments:

Departure Not Approved
Comments:

Approver: Rachel Cutler
Title: Laboratory Manager



Date: 2/10/2022

Quality Review

Quality Approver: Jason Crowe
Title: Quality Manager
Date: 2/10/2022



	1	2	3	4	5	6	7	8	9	10	11	12
A	CAL	M2022-1134-1	P2022-0871-1	P2022-0898-1								
B	CAL	M2022-1195-4	P2022-0875-1	P2022-0901-1								
C	Blood NC	M2022-1195-5	P2022-0880-1	P2022-0902-1								
D	M2022-1072-1	M2022-1252-2	P2022-0881-1	P2022-0904-1								
E	M2022-1073-1	M2022-1298-2	P2022-0882-1	P2022-0906-1								
F	M2022-1074-1	P2021-4010-1	P2022-0886-1	P2022-0925-1								
G	M2022-1081-3	P2022-0716-1	P2022-0892-1	P2022-0926-1								
H	M2022-1133-1	P2022-0864-1	P2022-0895-1									

Samples moved to columns 9-12 during the SLE portion of the extraction. For example, B1 moved to B9, G3 moved to G11, etc.

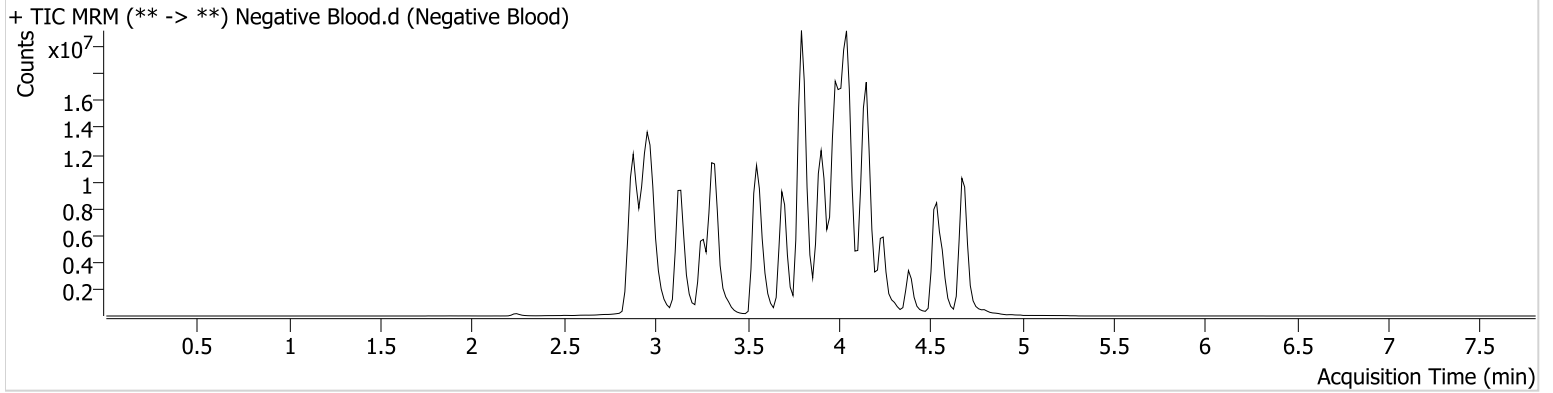
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 4/13/2022 9:26:23 AM

Instrument	Falco (069901)	Data File	Negative Blood.d
Type	Sample	Sample	Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-C9	Comment	
Injection Volume	5		
Acq. Date-Time	4/1/2022 7:31:51 PM		
Sample Info.			

Sample Chromatogram



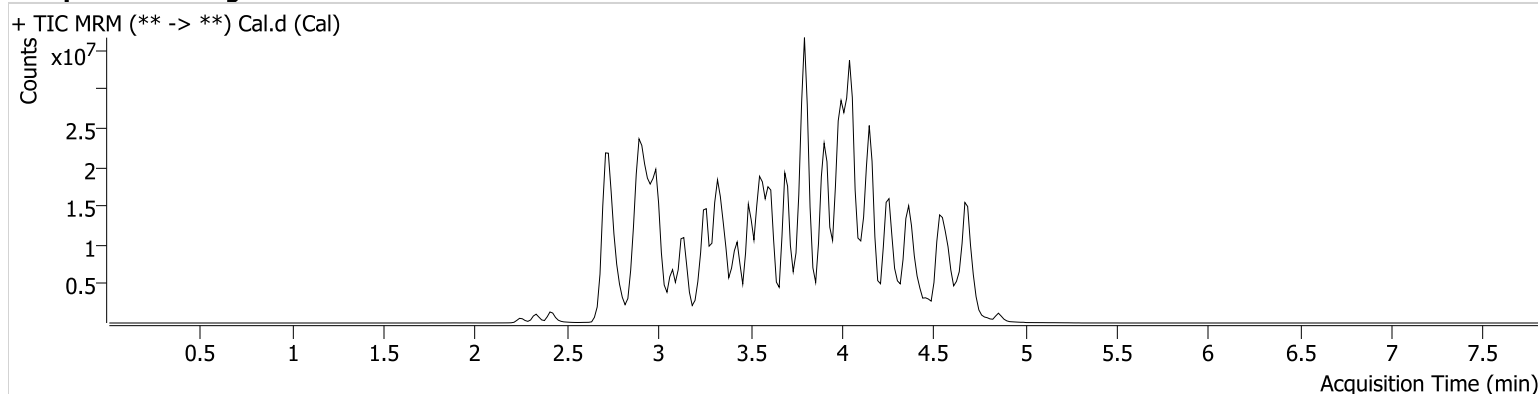
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 4/13/2022 9:26:23 AM

Instrument	Falco (069901)	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-B9	Comment	
Injection Volume	5		
Acq. Date-Time	4/1/2022 7:23:17 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.862	74167	30771.22	25902.98	2566933	10.0000
7-aminoclonazepam	3.602	950057	7124.13	238.08	3838981	10.0000
7-aminoflunitrazepam	3.801	1225981	421.13	155.37	3838981	10.0000
Acetyl Fentanyl	3.752	527086	312.89	236296.40	40139703	10.0000
Acetyl Norfentanyl	2.901	614099	8696.20	643.89	40139703	10.0000
a-hydroxyalprazolam	4.536	432569	5175.20	251726.02	3838981	10.0000
alpha-hydroxymidazolam	4.596	3900167	1083.73	1732.28	3838981	10.0000
Alpha-PHP	3.775	5439144	6588.28	3408.25	40139703	10.0000
alpha-PVP	3.500	8585444	3342.89	994.28	28755891	10.0000
Alprazolam	4.631	4530978	637.25	261.72	30989596	10.0000
Amitriptyline	4.389	1838903	315.89	431.29	7138914	10.0000
Amphetamine	2.905	7002770	4481.18	988.16	20099102	10.0000
Benzoylcegonine	3.418	391175	425.22	460.26	745112	10.0000
Brompheniramine	4.014	159758	449.87	1216.09	52321584	10.0000
Buprenorphine	4.147	905483	177530.67	93524.58	3726207	10.0000
Bupropion	3.714	8055688	993.14	1048.69	28755891	10.0000
Carbamazepine	4.269	16407142	1797.86	3905.00	809694	10.0000
Carisoprodol	4.252	2520015	428.65	131.59	13965163	10.0000
Chlordiazepoxide	4.725	1643004	589.80	1708.85	30989596	10.0000
Chlorpheniramine	3.926	11046821	6679.44	∞	52321584	10.0000
Citalopram	4.044	4565392	402.31	1014626.98	52321584	10.0000
Clomipramine	4.584	2107341	2740.04	9277.53	52321584	10.0000
Clonazepam	4.476	2335207	577.96	530120.22	30989596	10.0000
Clonazolam	4.395	2244850	20948.81	311387.73	30989596	10.0000
Cocaethylene	3.768	8647007	7833274.19	2625.56	38150041	10.0000
Cocaine	3.554	8782810	4613345.37	979.81	38150041	10.0000
Codeine	2.760	697107	4225.30	777.26	16980106	10.0000
Cyclobenzaprine	4.313	3486244	2195.97	98.42	7138914	10.0000
Desipramine	4.359	4908213	1175.60	453.77	7138914	10.0000
Dextromethorphan	4.049	3223505	931.05	430.83	18280216	10.0000
Dextrorphan	3.373	4354425	9817.57	1059.59	18280216	10.0000
Diazepam	4.864	1529688	1284.97	644.46	30989596	10.0000
Dihydrocodeine	2.728	1543884	1638.71	791.20	16980106	10.0000
Diphenhydramine	4.004	16847326	2413.68	1084.19	52321584	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.110	3047512	349.19	91.61	28415468	10.0000
Doxylamine	3.618	18146773	17815.50	1052.02	18280216	10.0000
EDDP	4.065	2467865	600.93	240.08	6255187	10.0000
Estazolam	4.556	9108084	921.10	2381.58	30989596	10.0000
Etizolam	4.641	399999	1767.87	546934.52	30989596	10.0000
Fentanyl	3.981	379047	222.00	116074.78	24779490	10.0000
Flualprazolam	4.504	1664512	1496510.93	380890.52	30989596	10.0000
Flunitrazepam	4.584	4162150	818.79	2379.97	30989596	10.0000
Fluoxetine	4.324	2159934	597.84	65.56	2880565	10.0000
Flurazepam	4.087	5015599	856173.78	545.58	30989596	10.0000
Hydrocodone	2.942	2602295	917.36	620.39	16980106	10.0000
Hydromorphone	2.412	2263308	9833.90	1842.49	509382	10.0000
Imipramine	4.357	7127684	976.52	567.80	7138914	10.0000
Ketamine	3.360	6427135	1993.61	196.48	20635556	10.0000
Lamotrigine	3.527	517036	2567.95	91796.09	52321584	10.0000
Levamisole	2.917	4936452	1950.11	569.29	38150041	10.0000
Levetiracetam	2.690	2364951	662.53	974.94	52321584	10.0000
Lorazepam	4.460	765521	464.85	192.00	30989596	10.0000
Maprotiline	4.389	1290162	180.06	295.40	7138914	10.0000
MDA	3.010	5767197	152.88	242.89	40796498	10.0000
MDEA	3.239	8801525	887.59	470.13	40796498	10.0000
MDMA	3.086	11411640	1758.71	484.72	40796498	10.0000
Meperidine	3.574	4708224	1419.38	648.06	18280216	10.0000
Meprobamate	3.700	1642510	496.48	157.40	13965163	10.0000
Methadone	4.369	10022946	2638.22	345.33	6255187	10.0000
Methamphetamine	2.996	14230456	1216.20	595.21	40796498	10.0000
Methocarbamol	3.606	999035	370.41	94.10	6255187	10.0000
Methylphenidate	3.499	18553579	1412.78	236.86	31629223	10.0000
Metoprolol	3.434	1180853	1031.16	371.60	18280216	10.0000
Midazolam	4.643	1053202	305022.38	429280.12	30989596	10.0000
Mirtazapine	3.695	5002940	5760.50	29662.06	18280216	10.0000
Mitragynine	4.102	676164	241210.27	1269503.98	18280216	10.0000
Morphine	2.246	428551	3498.45	446.64	509382	10.0000
Norbuprenorphine	3.809	130349	71701.93	66.65	3726207	10.0000
Nordiazepam	4.727	2774563	686.70	359.33	30989596	10.0000
Norfentanyl	3.330	12426925	1494.59	1877.23	40139703	10.0000
Norhydrocodone	2.929	141750	414.08	151.72	509382	10.0000
Norketamine	3.376	1162598	312.48	874.70	20635556	10.0000
Normeperidine	3.591	5990995	15954.82	1055.30	52321584	10.0000
Noroxycodone	2.896	1714781	∞	130.15	20635556	10.0000
Nortriptyline	4.390	1341387	841440.72	670.31	7138914	10.0000
O-desmethyl-tramadol	2.930	13455264	1957.02	2340.68	52321584	10.0000
Olanzapine	3.569	1845974	638.26	7340.77	809694	10.0000
Oxazepam	4.541	3730435	1482.16	373.40	17042960	10.0000
Oxycodone	2.894	4541833	407.57	668.21	20635556	10.0000
Oxymorphone	2.332	2281700	1147.85	437.97	509382	10.0000
Paroxetine	4.320	277883	372.47	121017.96	2880565	10.0000
Phenazepam	4.672	3827697	106995.41	2468.54	30989596	10.0000
Phencyclidine	3.898	8792545	1007.21	344.97	18280216	10.0000
Phentermine	3.165	2776117	105.35	69.36	31629223	10.0000
Phenytoin	4.160	1357123	1416.83	1077.79	809694	10.0000
Promethazine	4.279	8387889	5121028.74	723.54	52321584	10.0000
Pseudoephedrine	2.736	68410236	7465.51	1925.40	40796498	10.0000
Quetiapine	4.256	6269846	2984.60	503053.39	42727169	10.0000
Sertraline	4.524	572209	205936.16	822.00	2880565	10.0000
Sufentanil	4.241	259404	2704.81	397.46	40139703	10.0000
Tapentadol	3.454	8836269	1236.61	828.38	20635556	10.0000
Temazepam	4.694	7597086	2355.25	100.12	30989596	10.0000
Tramadol	3.419	16175291	1113.26	65.58	52321584	10.0000
Trazodone	4.165	7481648	1567.21	1653.62	28415468	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.787	10242204	1018.18	470.70	2880565	10.0000
Zaleplon	4.371	2865011	199.06	1269.39	42727169	10.0000
Zolpidem	3.922	12373380	1406.44	1539.30	42727169	10.0000
Zopiclone	3.810	723280	208331.47	68223.89	3420063	10.0000

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

Extraction Date: 04/01/2022

Analyst: Celena Shrum

Plate lot#: 220309

Plate Retest Date: 09/09/2022

Mobile phase A: 10mM Amm Form

Mobile phase B: 0.1% Formic Acid in MeOH

Blank Blood Lot: Lampire 22B52016-2

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

LCMS-QQQ 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. Using a calibrated pipette, add **1000ul blood (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID: #42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **500µL 0.1% formic acid in water blood sample** of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **800µL of blood+acid** 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)** Manifold ID: 067104
- 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. *SPE Dry ID: 067103*
- 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make any necessary integration changes, R² values ≥0.98 for each analyte
- 3. RT +/- 2% or 0.100 min, whichever is greater
- 4. Confirmation testing on case samples with a response for THC and OH-THC of 3ng/mL or greater and/or Carboxy-THC at 10ng/mL or greater (analyst discretion between 5-10ng/mL) may be pursued.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2022-1195-4	P2022-0875-1	P2022-0901-1	
b	cal 3 ng	Blood NEG	M2022-1195-5	P2022-0880-1	P2022-0902-1	
c	cal 5 ng	M2022-1072-1	M2022-1252-2	P2022-0881-1	P2022-0904-1	
d	cal 10ng	M2022-1073-1	M2022-1298-2	P2022-0882-1	P2022-0906-1	
e	cal 25 ng	M2022-1074-1	P2021-4010-1	P2022-0886-1	P2022-0925-1	
f	cal 50 ng	M2022-1081-3	P2022-0716-1	P2022-0892-1	P2022-0926-1	
g	cal 100 ng	M2022-1133-1	P2022-0864-1	P2022-0895-1		
h	QC 1	M2022-1134-1	P2022-0871-1	P2022-0898-1		

CS

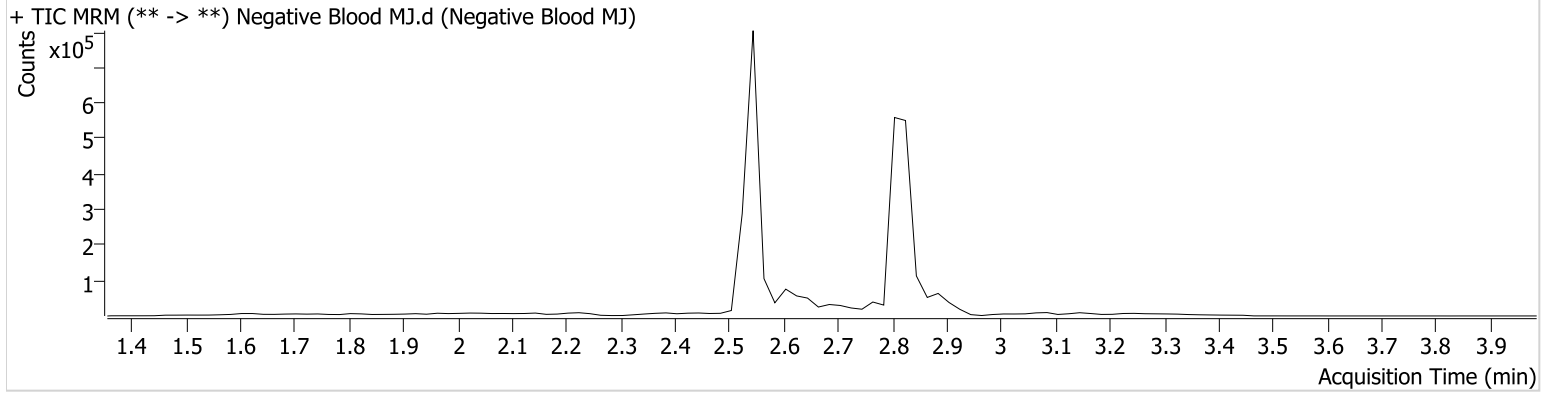


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	Negative Blood MJ.d
Type	Sample	Sample	Negative Blood MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-B2	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 3:16:02 PM		
Sample Info.			

Sample Chromatogram



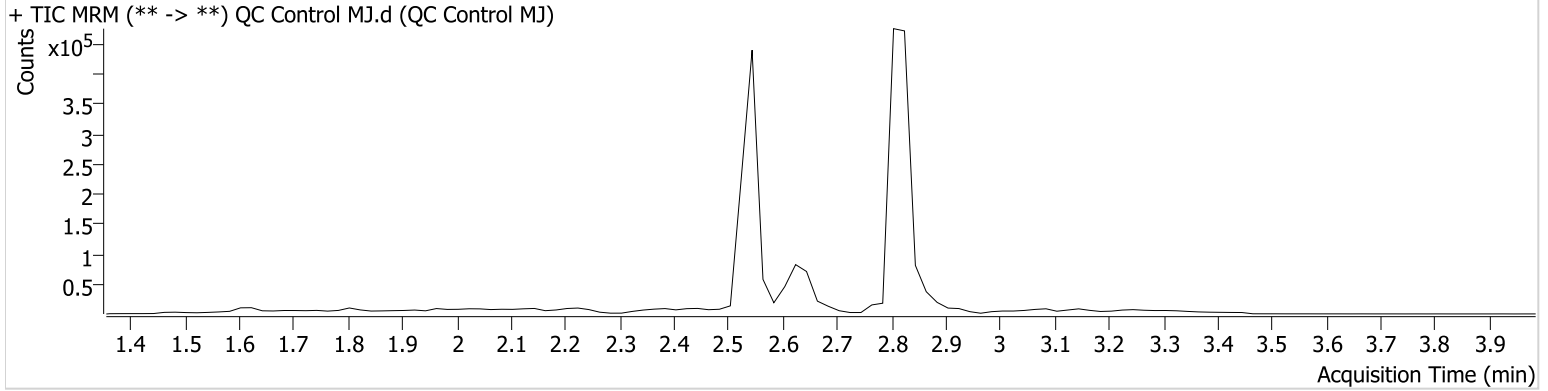


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument Falco (069901) **Data File** QC Control MJ.d
Type QC **Sample** QC Control MJ
Acq. Method AM 26 THCS.m **Operator** Celena Shrum
Sample Position P1-H1 **Comment**
Injection Volume 10
Acq. Date-Time 4/1/2022 3:02:53 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	695	17112	5.8351 ng/ml
THC-COOH	2.627	40259	93548	15.6331 ng/ml
THC-OH	2.554	6042	847462	4.5637 ng/ml

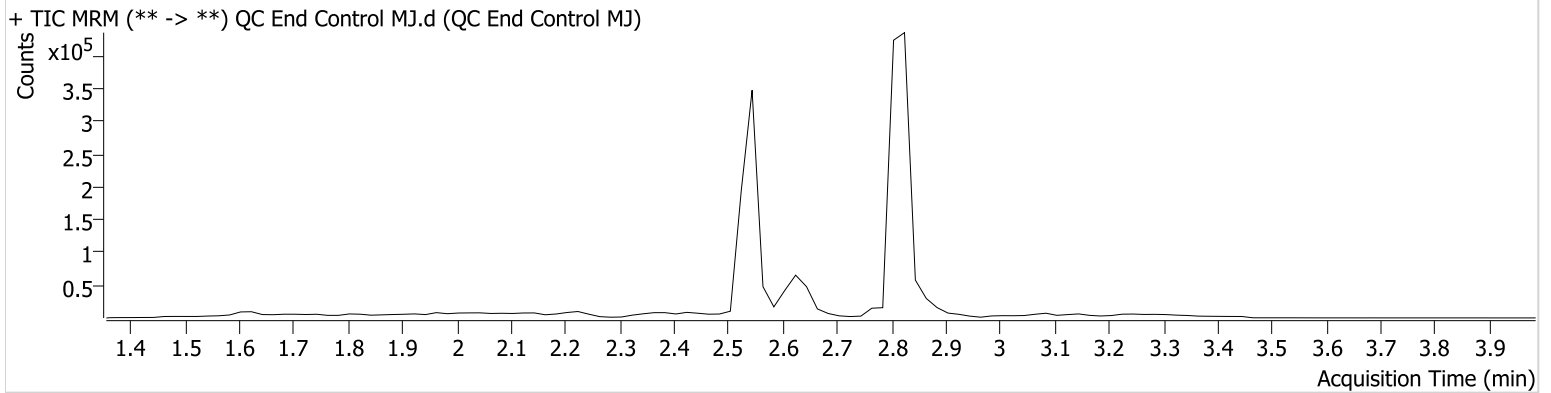
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	QC End Control MJ.d
Type	QC	Sample	QC End Control MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-A2	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 6:26:37 PM		
Sample Info.			

Sample Chromatogram



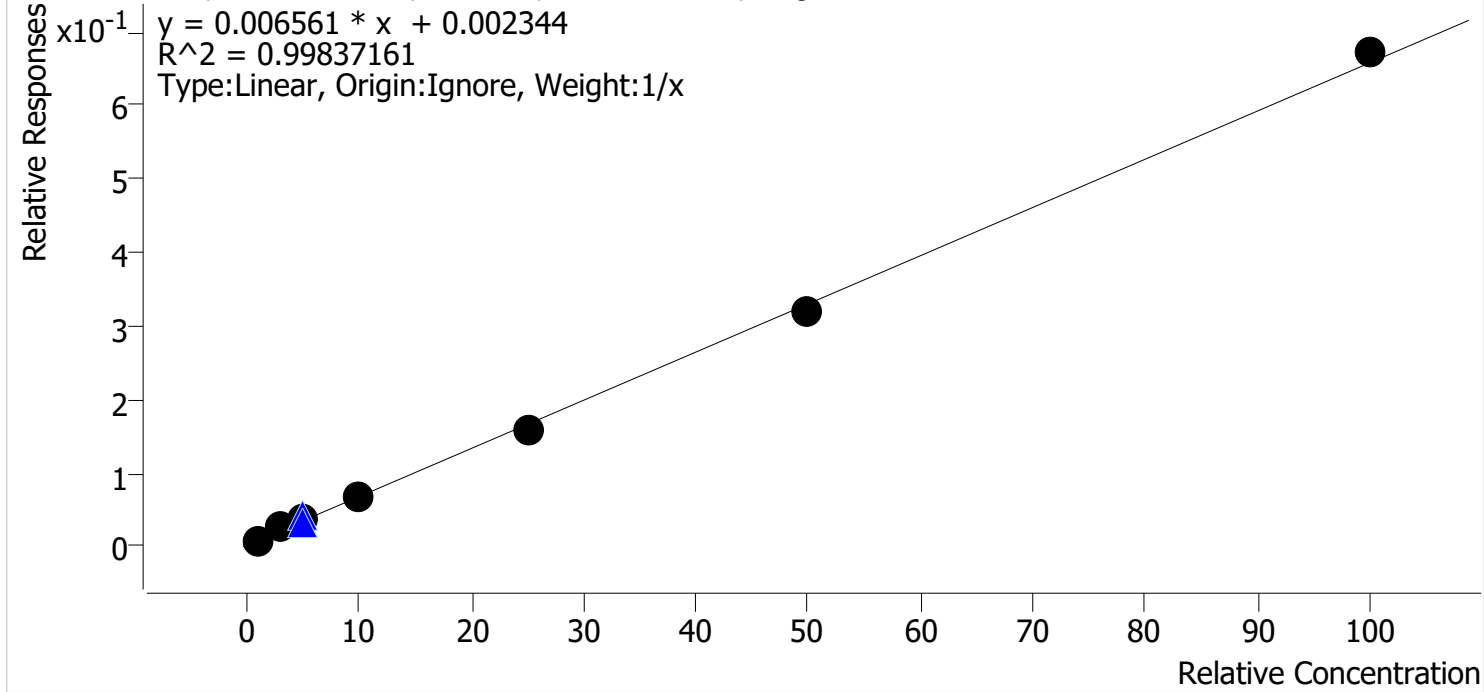
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	385	11741	4.6379 ng/ml
THC-COOH	2.627	28437	73718	13.9637 ng/ml
THC-OH	2.554	4690	665971	4.5110 ng/ml



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 4/5/2022 3:25 PM
Analyst Name ISP\Datastor
Analyte THC **Internal Standard** THC-D3

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

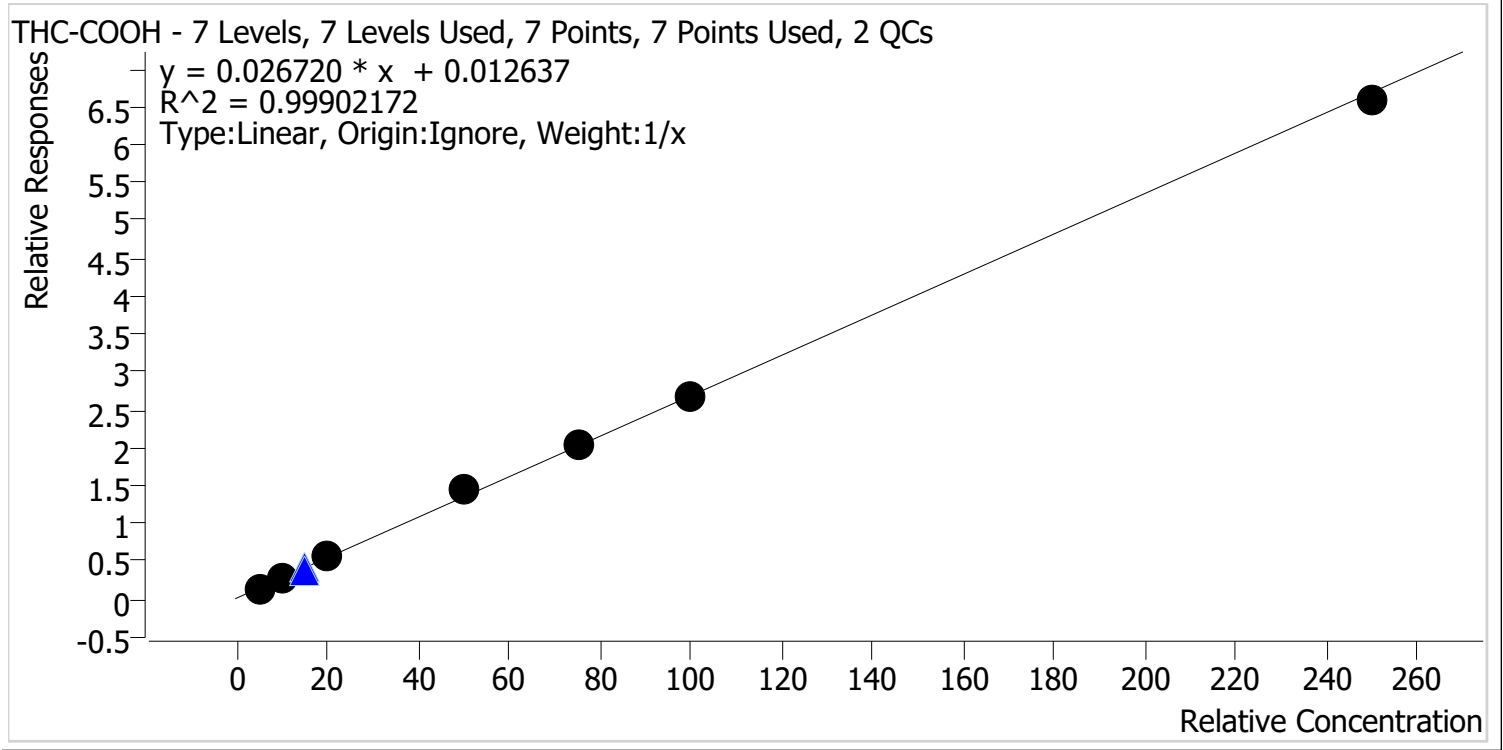


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✓	1.0	0.9	85.6
Cal 2 MJ	2	✓	3.0	3.6	120.2
Cal 3 MJ	3	✓	5.0	5.0	100.8
Cal 4 MJ	4	✓	10.0	9.8	98.0
Cal 5 MJ	5	✓	25.0	24.0	96.1
Cal 6 MJ	6	✓	50.0	48.6	97.2
Cal 7 MJ	7	✓	100.0	102.1	102.1



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 4/5/2022 3:25 PM
Analyst Name ISP\Datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

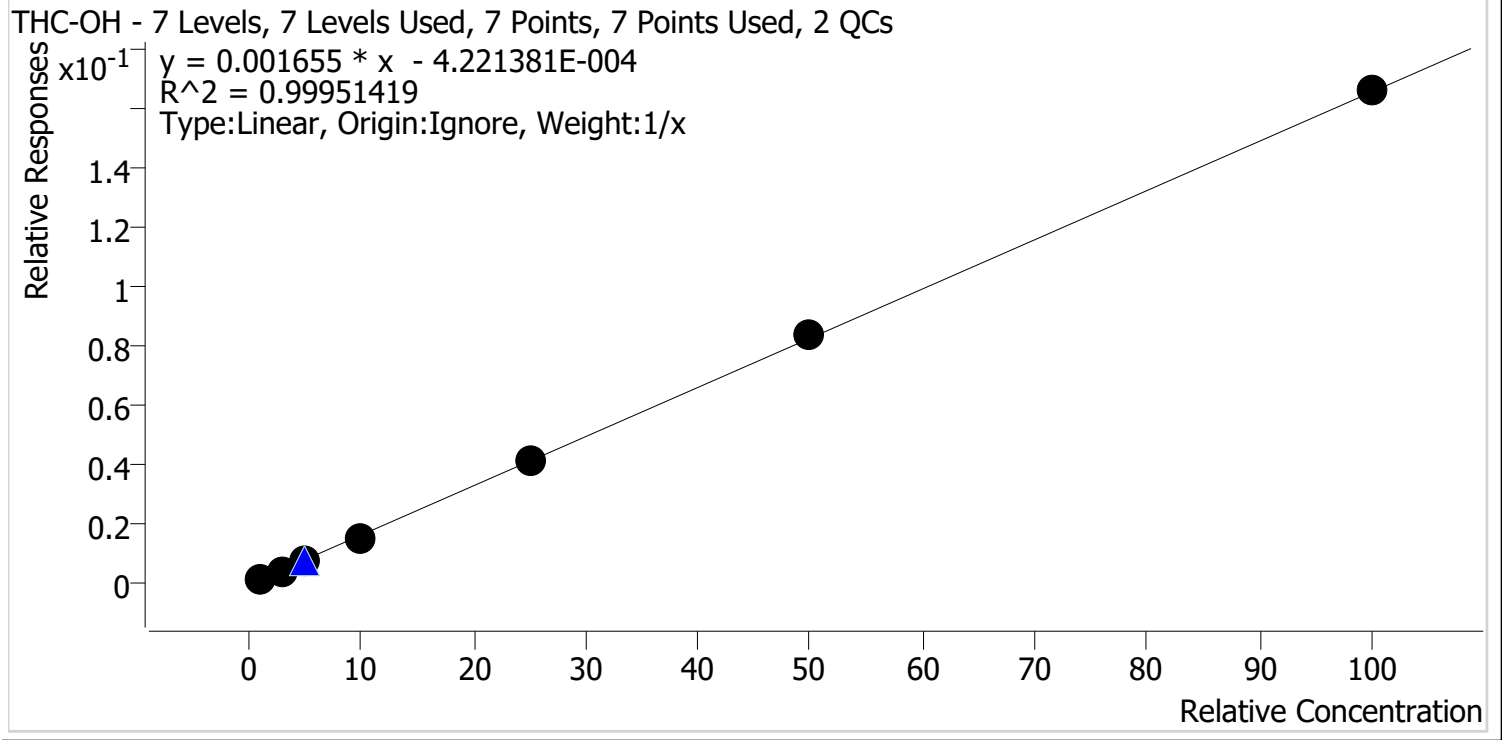


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✓	5.0	4.5	89.9
Cal 2 MJ	2	✓	10.0	10.1	100.7
Cal 3 MJ	3	✓	20.0	20.7	103.6
Cal 4 MJ	4	✓	50.0	53.3	106.6
Cal 5 MJ	5	✓	75.0	76.1	101.4
Cal 6 MJ	6	✓	100.0	99.5	99.5
Cal 7 MJ	7	✓	250.0	245.9	98.4



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 4/5/2022 3:25 PM
Analyst Name ISP\Datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✓	1.0	1.1	113.8
Cal 2 MJ	2	✓	3.0	2.9	96.0
Cal 3 MJ	3	✓	5.0	4.7	94.8
Cal 4 MJ	4	✓	10.0	9.4	94.4
Cal 5 MJ	5	✓	25.0	24.9	99.4
Cal 6 MJ	6	✓	50.0	50.7	101.4
Cal 7 MJ	7	✓	100.0	100.3	100.3

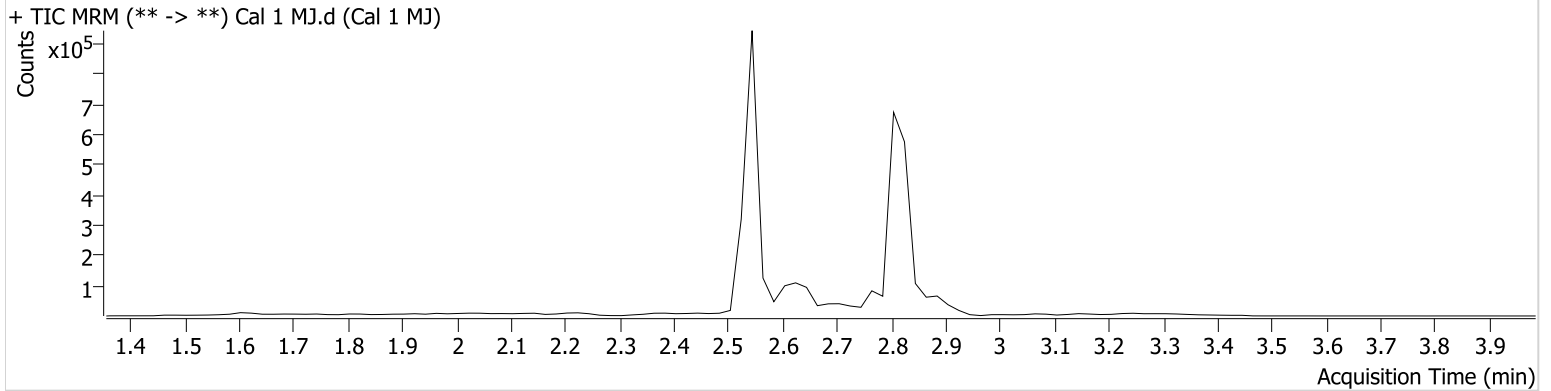
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	Cal 1 MJ.d
Type	Cal	Sample	Cal 1 MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 2:16:46 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.899	264	33213	0.8556 ng/ml	Low
THC-COOH	2.627	27180	204723	4.4957 ng/ml	Low
THC-OH	2.554	2467	1689363	1.1376 ng/ml	Low

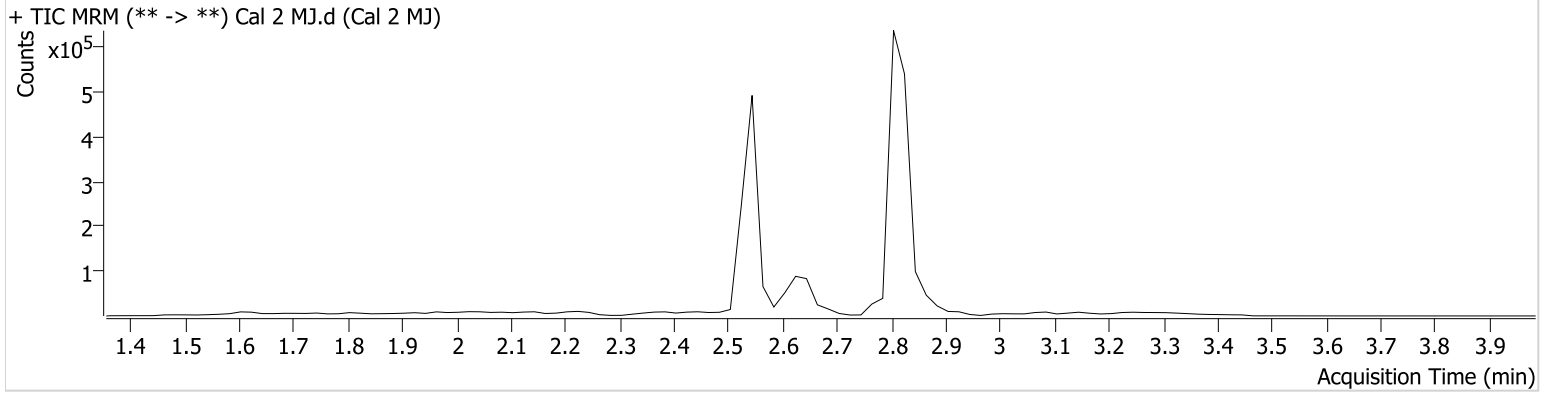
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	Cal 2 MJ.d
Type	Cal	Sample	Cal 2 MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-B1	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 2:23:31 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	502	19300	3.6075	ng/ml
THC-COOH	2.627	37570	133423	10.0655	ng/ml
THC-OH	2.554	4174	960651	2.8806	ng/ml Low

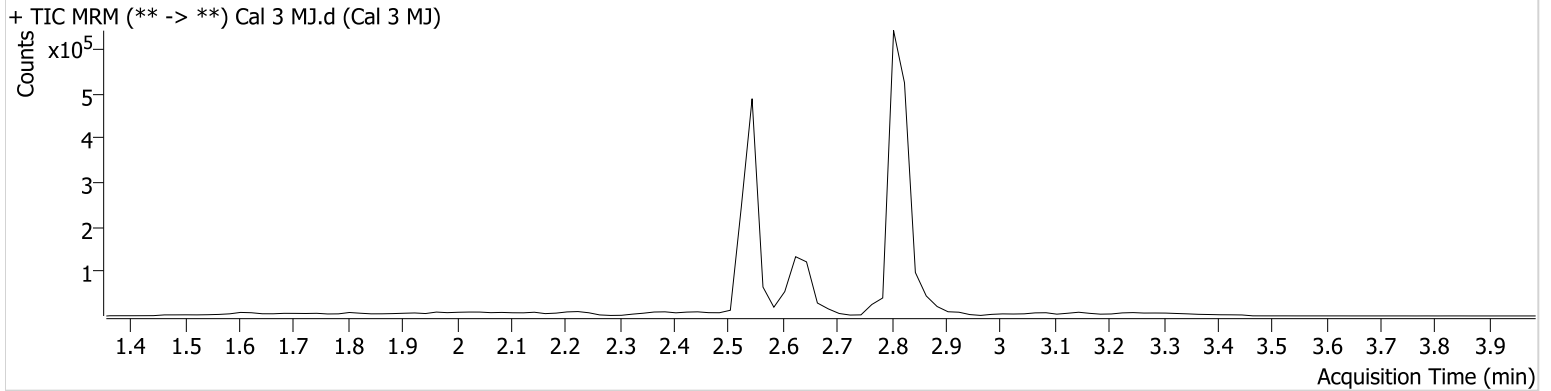
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	Cal 3 MJ.d
Type	Cal	Sample	Cal 3 MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 2:30:04 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	702	19817	5.0422 ng/ml
THC-COOH	2.627	78765	139094	20.7197 ng/ml
THC-OH	2.554	6755	910442	4.7389 ng/ml

AM #26 Cannabinoids Screen Results

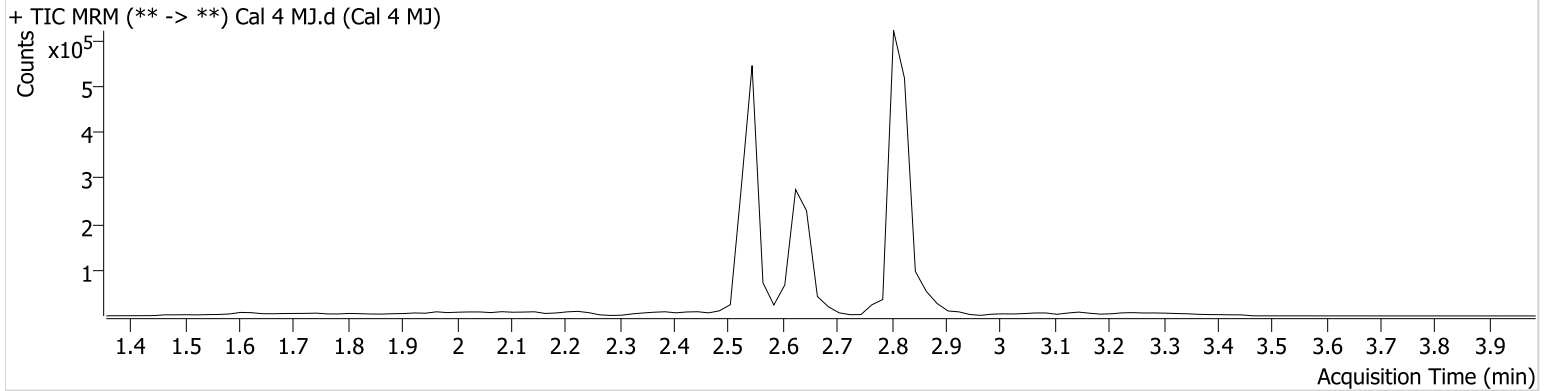


Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	Cal 4 MJ.d
Type	Cal	Sample	Cal 4 MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-D1	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 2:36:38 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	1418	21287	9.7969 ng/ml
THC-COOH	2.627	205327	142938	53.2866 ng/ml
THC-OH	2.554	14530	956240	9.4373 ng/ml

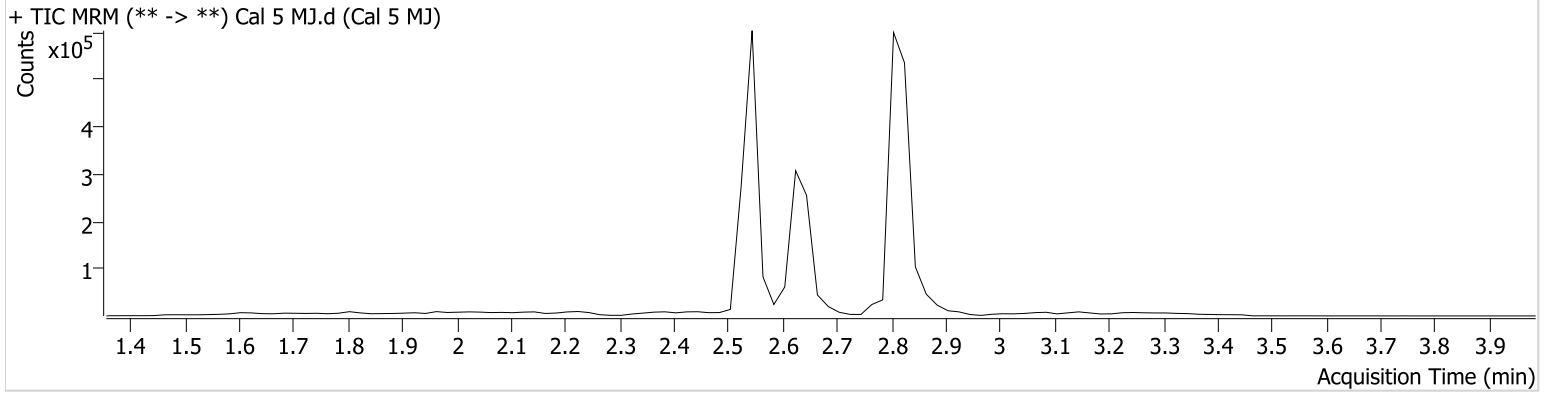


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	Cal 5 MJ.d
Type	Cal	Sample	Cal 5 MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 2:43:13 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	3158	19731	24.0349 ng/ml
THC-COOH	2.627	238853	116803	76.0580 ng/ml
THC-OH	2.554	35186	864386	24.8533 ng/ml

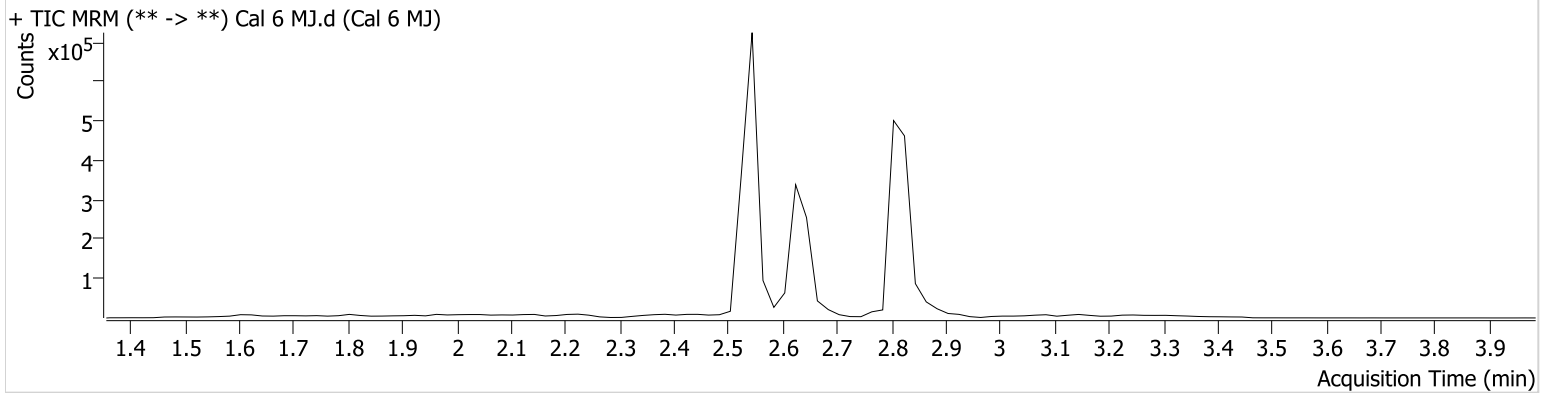
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	Cal 6 MJ.d
Type	Cal	Sample	Cal 6 MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-F1	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 2:49:46 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	5909	18406	48.5780 ng/ml
THC-COOH	2.627	260842	97649	99.4968 ng/ml
THC-OH	2.554	70184	840734	50.7007 ng/ml

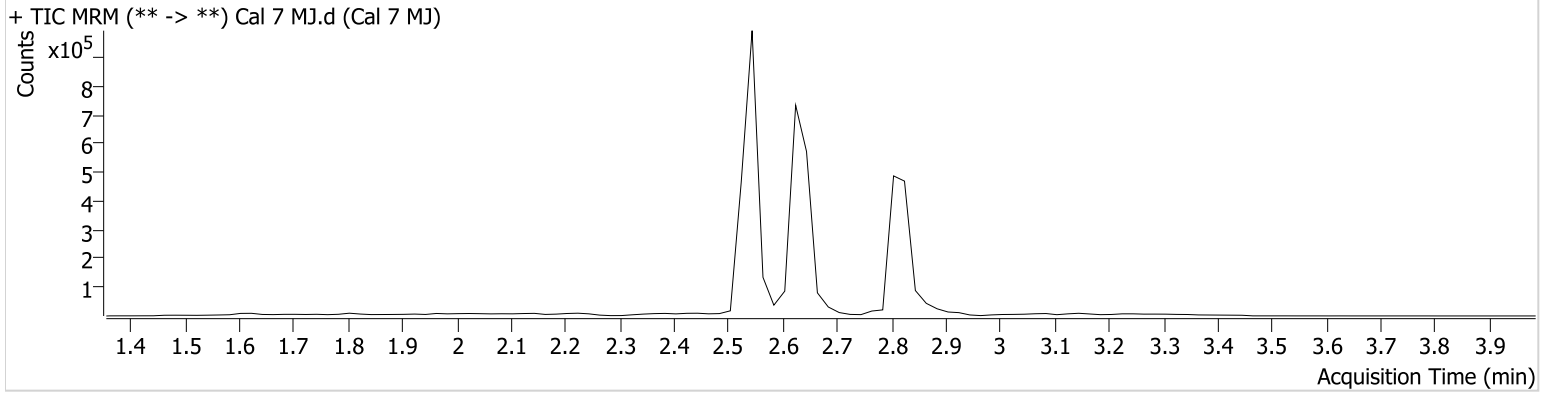


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\040122 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 4/5/2022 3:25:04 PM

Instrument	Falco (069901)	Data File	Cal 7 MJ.d
Type	Cal	Sample	Cal 7 MJ
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-G1	Comment	
Injection Volume	10		
Acq. Date-Time	4/1/2022 2:56:20 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	11800	17557	102.0849 ng/ml
THC-COOH	2.627	626729	95211	245.8777 ng/ml
THC-OH	2.554	132829	802702	100.2515 ng/ml