REVIEWED
By Tamara Salazar at 8:59 am, May 04, 2022

4/25/2022

Worklist: 5811

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-5405	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1156	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1156	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1224	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1262	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1303	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1304	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1354	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1443	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1461	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2022-1493	6	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0753	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0832	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0863	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0887	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0958	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0989	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1019	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1020	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1021	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1025	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 5811

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2022-1032	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1034	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1035	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1036	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1038	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1042	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1068	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-1114	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: 04/22/2022
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.
☒ 16. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
☒ 17. Place on SPE Dry and evaporate to dryness at approx. 35°C.
☒ 18. 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: P2022-1114-1 did not get check-marked for injection in the run sequence, so it was injected on 4/25/22 with no issues.

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 Date: 2/10/2022
Title: Laboratory Manager

Quality Review

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

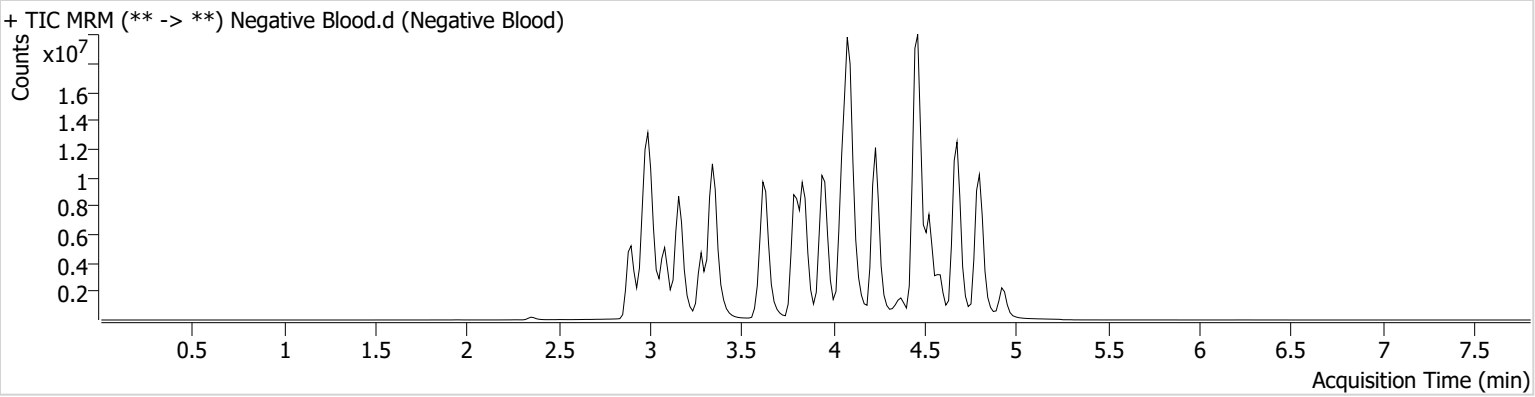
	1	2	3	4	5	6	7	8	9	10	11	12
A	Cal				External Control	M2022-1354-1	P2022-0958-1	P2022-1035-1				
B					M2021-5405-1	M2022-1443-2	P2022-0989-1	P2022-1036-1				
C					M2022-1156-1	M2022-1461-3	P2022-1019-1	P2022-1038-1				
D					M2022-1156-2	M2022-1493-6	P2022-1020-1	P2022-1042-1				
E					M2022-1224-1	P2022-0753-1	P2022-1021-1	P2022-1068-1				
F					M2022-1262-3	P2022-0832-1	P2022-1025-2	P2022-1114-1				
G					M2022-1303-1	P2022-0863-1	P2022-1032-1					
H				NEG BLOOD	M2022-1304-1	P2022-0887-1	P2022-1034-1					

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update	4/27/2022 12:47:05 PM

Instrument	Falco (069901)	**Data File**	Negative Blood.d
Type	Sample	**Sample**	Negative Blood
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P2-H4	**Comment**	
Injection Volume	5		
Acq. Date-Time	4/22/2022 9:24:56 PM		
Sample Info.			

Sample Chromatogram

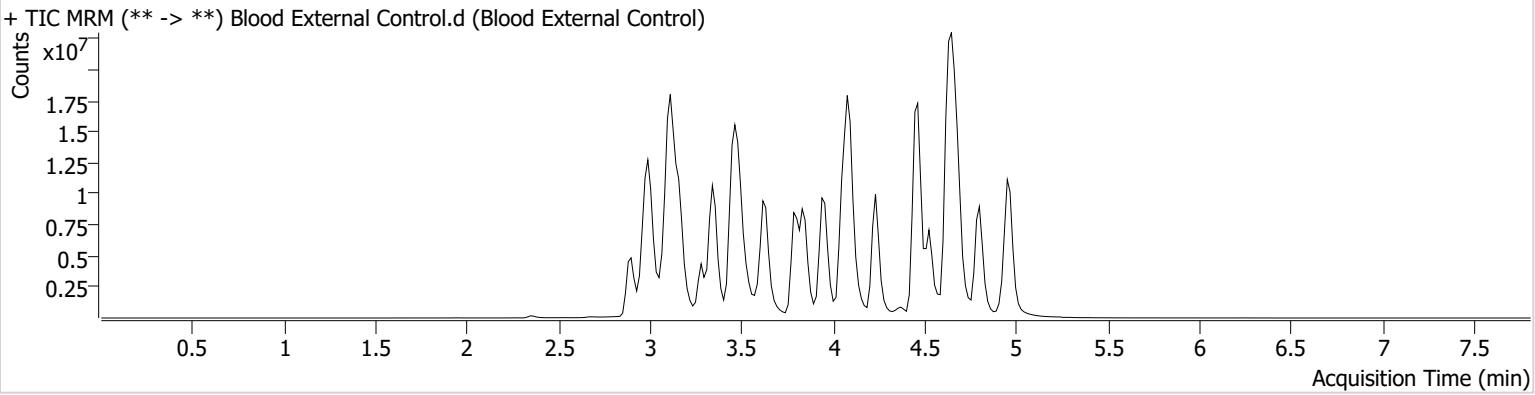


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 4/27/2022 12:47:05 PM

Instrument	Falco (069901)	**Data File**	Blood External Control.d
Type	Sample	**Sample**	Blood External Control
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P2-A5	**Comment**	
Injection Volume	5		
Acq. Date-Time	4/22/2022 9:33:20 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.636	42848522	7973.51	2645.60	26516174	182.8939
Buprenorphine	4.948	27642009	11645784.60	2010122.18	3930801	271.9846
Hydrocodone	3.113	38861338	172654.81	148381.40	11726594	206.9205
Tramadol	3.469	62403731	∞	862.92	43794476	68.4242

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: 042222)

100 µL of 1mg/mL stock was added to each drug to ~~9700~~ 9600 µL of LC MeOH. CS 5/4/22

Component	*Source*	*Source Lot Number*	*Expiration Date*
Methanol (LCMS)	Fisher	215245	N/A
Tramadol	Cerilliant	FE10051901	12/31/2024
Hydrocodone	Cerilliant	FE04241902	09/30/2024
Alprazolam	Cerilliant	FE06102008	06/30/2025
Buprenorphine	Cerilliant	FE03191903	06/31/2024
Prepared:	04/22/2022		
Expires:	04/22/2023		
Prepared By:	Celena Shrum		

Blood External Control Solution (Lot: WS042222)

200 µL of methanol external control solution was added to 9800 µL of blood. Approximately 200 ng/mL of each compound.

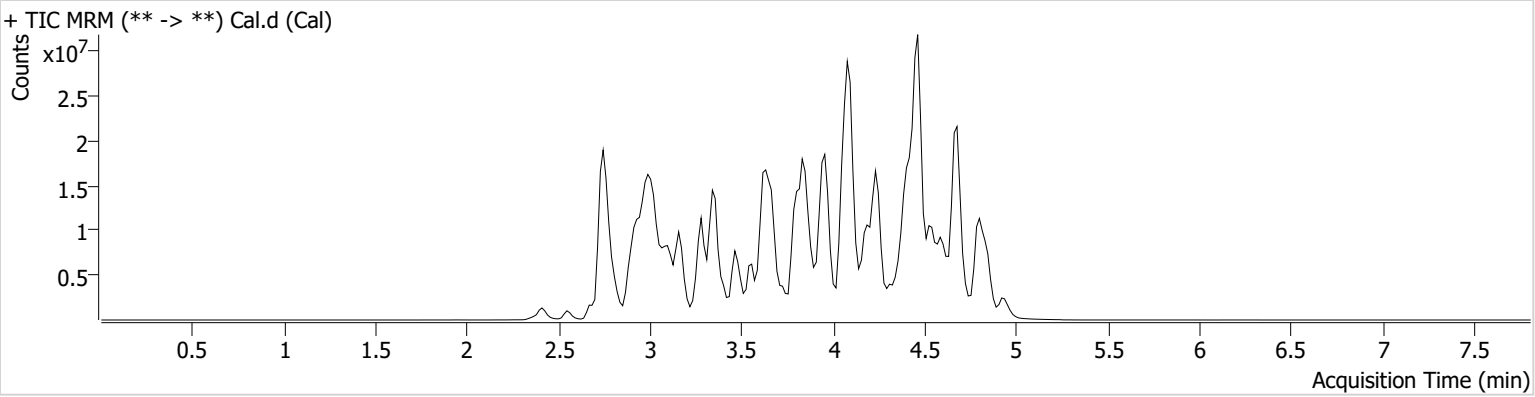
Component	*Source*	*Source Lot Number*
Negative Blood	Lampire	22B52016-2
Methanol External Control Solution		042222
Prepared:	04/22/2022	
Expires:	04/22/2023	
Prepared by:	Celena Shrum	

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 4/27/2022 12:47:05 PM

Instrument	Falco (069901)	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	AM 25 MDS.m	**Operator**	Celena Shrum
Sample Position	P2-A1	**Comment**	
Injection Volume	5		
Acq. Date-Time	4/22/2022 9:16:22 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.003	61374	493.90	34422.32	1882847	10.0000
7-aminoclonazepam	3.605	1224344	239.49	707.46	5591621	10.0000
7-aminoflunitrazepam	3.805	1778898	1205.58	26417.29	5591621	10.0000
Acetyl Fentanyl	4.017	525747	371.65	226865.52	35873960	10.0000
Acetyl Norfentanyl	2.934	487667	643.48	374182.72	35873960	10.0000
a-hydroxyalprazolam	4.541	270337	65.36	281.37	5591621	10.0000
alpha-hydroxymidazolam	4.616	3035598	517.21	208.08	5591621	10.0000
Alpha-PHP	3.902	4588779	30552.08	9410.83	35873960	10.0000
alpha-PVP	3.626	5255238	422.56	822.28	24323001	10.0000
Alprazolam	4.636	2176875	115.91	185.91	24638130	10.0000
Amitriptyline	4.470	2461300	256.65	831.15	7753111	10.0000
Amphetamine	2.938	5496251	976.84	862.35	16987733	10.0000
Benzoylecgonine	3.405	274476	359.17	69.48	560272	10.0000
Brompheniramine	4.065	155944	147.86	839.73	46014926	10.0000
Buprenorphine	4.948	1431978	777202.99	104087.99	5538501	10.0000
Bupropion	3.871	6639195	2209.38	1433.77	24323001	10.0000
Carbamazepine	4.258	11997690	2019.78	872.66	856895	10.0000
Carisoprodol	4.256	1557880	691.38	249.88	8194657	10.0000
Chlordiazepoxide	4.760	1209617	193.37	1643.49	24638130	10.0000
Chlorpheniramine	3.976	10203611	9794.59	122.08	46014926	10.0000
Citalopram	4.094	3870711	4326.47	327.91	46014926	10.0000
Clomipramine	4.681	4325796	8621.98	9538.40	46014926	10.0000
Clonazepam	4.465	1086247	357.83	188.05	24638130	10.0000
Clonazolam	4.385	1686496	968.53	362923.56	24638130	10.0000
Cocaethylene	3.833	5677900	2938946.89	1675.73	30079396	10.0000
Cocaine	3.635	5462474	4767.84	836.01	30079396	10.0000
Codeine	2.930	524118	1298927.61	2436.02	13337571	10.0000
Cyclobenzaprine	4.394	4502718	1741.94	110.81	7753111	10.0000
Desipramine	4.394	7783629	1035.13	3201.13	7753111	10.0000
Dextromethorphan	4.101	2554675	661.40	258.09	14999948	10.0000
Dextrorphan	3.408	3227633	32886.95	1112.72	14999948	10.0000
Diazepam	4.868	1375854	510.71	501.56	24638130	10.0000
Dihydrocodeine	2.807	1400608	2899.57	2309.74	13337571	10.0000
Diphenhydramine	4.071	12654077	1342.40	672.38	46014926	10.0000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.192	3076150	419.92	127.85	34261808	10.0000
Doxylamine	3.668	13251295	205.87	2375.00	14999948	10.0000
EDDP	4.100	1329747	829.18	908.98	3384057	10.0000
Estazolam	4.561	6465511	2129.65	1113.49	24638130	10.0000
Etizolam	4.646	303105	211298.77	6119.07	24638130	10.0000
Fentanyl	4.232	428771	227.84	107338.97	27821201	10.0000
Flualprazolam	4.509	840799	421650.59	795.01	24638130	10.0000
Flunitrazepam	4.589	2575180	968.36	385.42	24638130	10.0000
Fluoxetine	4.359	4298226	801.68	231.15	8808585	10.0000
Flurazepam	4.307	4476801	121670.63	8109.47	24638130	10.0000
Hydrocodone	3.113	2136088	595.90	818.88	13337571	10.0000
Hydromorphone	2.551	1679870	3502.57	2033247.20	573184	10.0000
Imipramine	4.423	7959870	64889.46	1554.92	7753111	10.0000
Ketamine	3.733	5257124	759.12	239.06	16796062	10.0000
Lamotrigine	3.654	362382	47.77	1032.25	46014926	10.0000
Levamisole	3.058	3692759	998.81	324.89	30079396	10.0000
Levetiracetam	2.677	1847602	780.88	1021.03	46014926	10.0000
Lorazepam	4.464	396405	111.69	338.41	24638130	10.0000
Maprotiline	4.470	1222537	68.19	126.28	7753111	10.0000
MDA	3.044	4026655	625.38	576.79	35716328	10.0000
MDEA	3.257	5965293	5253.74	558.61	35716328	10.0000
MDMA	3.120	7716017	59410.54	4640.92	35716328	10.0000
Meperidine	3.655	3443029	353.85	499.70	14999948	10.0000
Meprobamate	3.704	1217100	349.26	103.32	8194657	10.0000
Methadone	4.420	8856493	23103.52	7710.92	3384057	10.0000
Methamphetamine	3.030	8902705	∞	290.20	35716328	10.0000
Methocarbamol	3.609	504578	2137.59	588264.47	3384057	10.0000
Methylphenidate	3.564	14523733	627.09	301.81	25478891	10.0000
Metoprolol	3.468	804974	426.88	411165.33	14999948	10.0000
Midazolam	4.786	911999	552.39	968.62	24638130	10.0000
Mirtazapine	4.194	4538691	1013081.47	44394.16	14999948	10.0000
Mitragynine	4.306	732636	395228.57	836857.89	14999948	10.0000
Morphine	2.384	352989	673.13	123.14	573184	10.0000
Norbuprenorphine	3.859	104805	68112.48	86537.40	5538501	10.0000
Nordiazepam	4.717	1920208	855.35	494518.97	24638130	10.0000
Norfentanyl	3.364	8692810	24878.03	118.08	35873960	10.0000
Norhydrocodone	2.962	136795	62.14	89.11	573184	10.0000
Norketamine	3.857	1041332	470.21	151897.33	16796062	10.0000
Normeperidine	3.626	2799785	5192648.99	149.60	46014926	10.0000
Noroxycodone	2.914	1888545	188.55	317.74	16796062	10.0000
Nortriptyline	4.441	2402697	875.73	252.80	7753111	10.0000
O-desmethyl-tramadol	2.948	9264133	2318.04	117.28	46014926	10.0000
Olanzapine	3.926	2246077	2201850.06	230451.30	856895	10.0000
Oxazepam	4.546	2919308	842.79	242.97	12748944	10.0000
Oxycodone	2.989	3241825	890.57	351.78	16796062	10.0000
Oxymorphone	2.410	2798885	391.65	364.97	573184	10.0000
Paroxetine	4.355	600539	414.42	192684.14	8808585	10.0000
Phenazepam	4.661	2288268	1197.07	733.06	24638130	10.0000
Phencyclidine	3.948	7065203	51167.42	1293.05	14999948	10.0000
Phentermine	3.183	1832035	150.59	51.71	25478891	10.0000
Phenytoin	4.164	1284689	643.10	712.23	856895	10.0000
Promethazine	4.407	9118036	1602.91	1647.34	46014926	10.0000
Pseudoephedrine	2.754	59449767	838.36	1426.10	35716328	10.0000
Quetiapine	4.660	6356177	3165215.33	1878491.28	38872237	10.0000
Sertraline	4.590	1639512	463637.80	6576.63	8808585	10.0000
Sufentanil	4.644	402894	275268.91	560.73	35873960	10.0000
Tapentadol	3.473	6582219	848.40	4505.74	16796062	10.0000
Temazepam	4.699	5117997	602.58	134.50	24638130	10.0000
Tramadol	3.469	9582532	62.50	174.91	46014926	10.0000
Trazodone	4.844	9218766	1428.83	662.05	34261808	10.0000

Cal

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.837	7360381	917.71	558.61	8808585	10.0000
Zaleplon	4.375	2523011	2349.50	1441.13	38872237	10.0000
Zolpidem	4.467	11395992	5280922.38	29819.88	38872237	10.0000
Zopiclone	4.383	581369	367653.80	140.16	2728281	10.0000

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

Extraction Date: 04/22/2022
Plate lot#: 220309
Mobile phase A: 10mM Amm Form
Blank Blood Lot: Lampire 22B52016-2
LCMS-QQQ ID: 069901

Analyst: Celena Shrum
Plate Retest Date: 09/09/2022
Mobile phase B: 0.1% Formic Acid in MeOH
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Using a calibrated pipette, add **1000µl 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, 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: Run was reinjected on 4/25/22 as the peaks were outside of the acquisition window in original injections. M2022-1354-1 reinjected due to low ISTD response.

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2022-1304-1	P2022-0887-1	P2022-1034-1	P2022-1020-1*
b	cal 3 ng	Blood NEG	M2022-1354-1	P2022-0958-1	P2022-1035-1	P2022-1038-1*
c	cal 5 ng	M2021-5405-1	M2022-1443-2	P2022-0989-1	P2022-1036-1	
d	cal 10ng	M2022-1156-1	M2022-1461-3	P2022-1019-1	P2022-1038-1*	
e	cal 25 ng	M2022-1156-2	M2022-1493-6	P2022-1020-1*	P2022-1042-1	
f	cal 50 ng	M2022-1224-1	P2022-0753-1*	P2022-1021-1	P2022-1068-1	
g	cal 100 ng	M2022-1262-3	P2022-0832-1	P2022-1025-2	P2022-1114-1	
h	QC 1	M2022-1303-1	P2022-0863-1	P2022-1032-1	P2022-0753-1*	

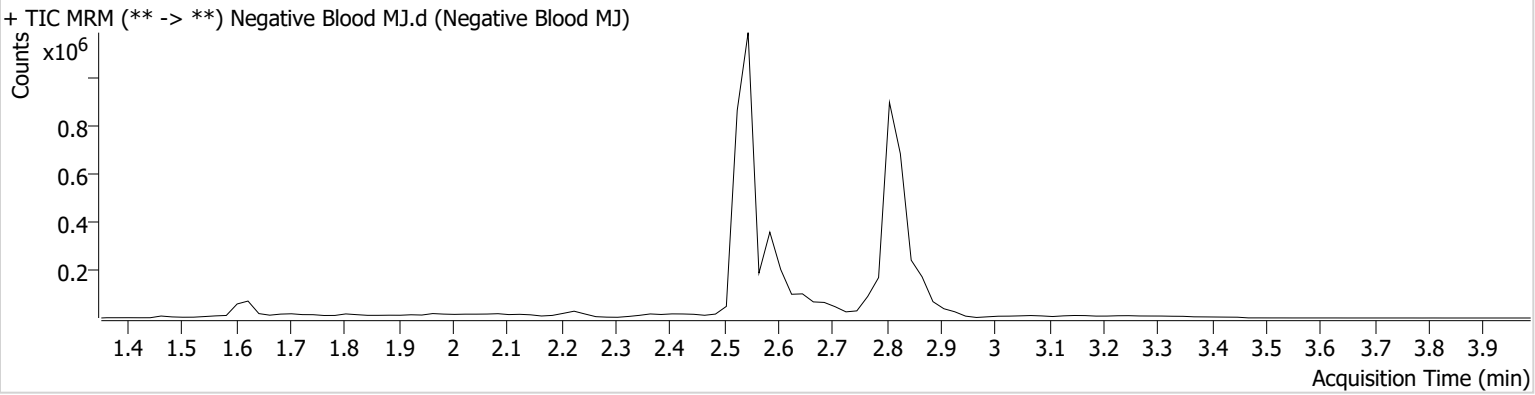
*Sample moved during SLE portion of the extraction

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update	4/27/2022 12:49:12 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	4/25/2022 11:23:23 AM		
Sample Info.			

Sample Chromatogram

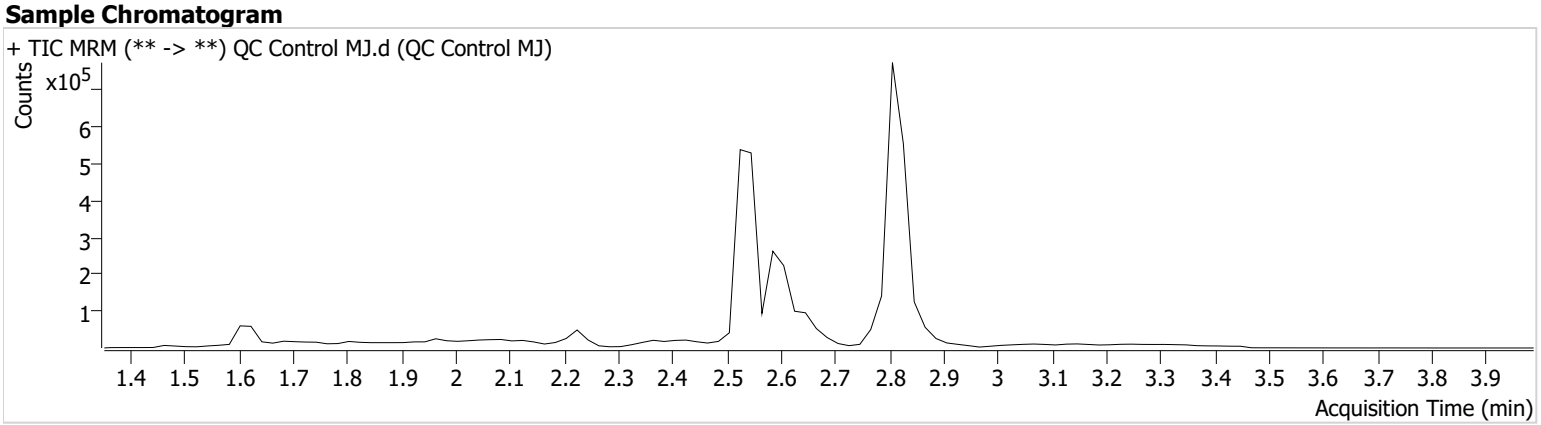


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 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	4/25/2022 11:10:14 AM		
Sample Info.			

Sample Chromatogram



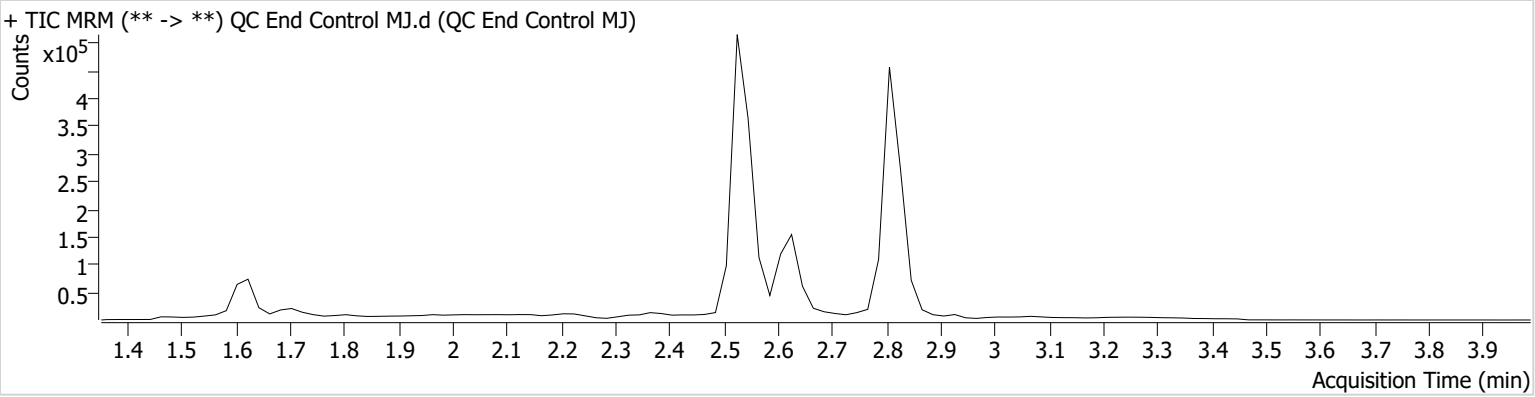
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.881	2890	52433	7.7734	ng/ml
THC-COOH	2.609	98498	380131	19.9257	ng/ml
THC-OH	2.535	10679	1267492	4.8025	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 PM

Instrument	Falco (069901)	**Data File**	QC End Control MJ.d
Type	Sample	**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	4/25/2022 5:35:15 PM		
Sample Info.			

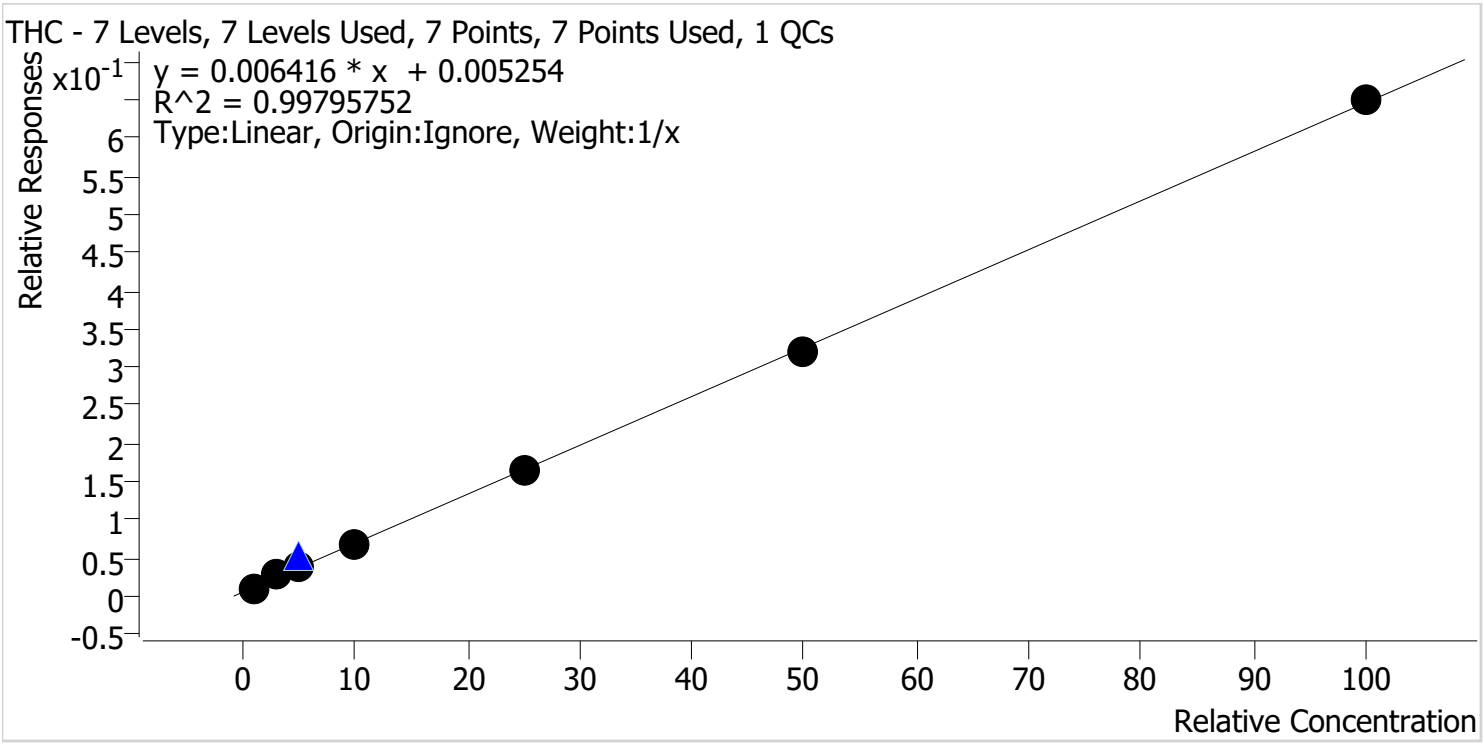
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.860	1737	27513	9.0210	ng/ml
THC-COOH	2.629	41823	253641	12.7750	ng/ml
THC-OH	2.535	9585	1195391	4.5671	ng/ml

AM #26 Cannabinoids Screen Calibration Curve Report

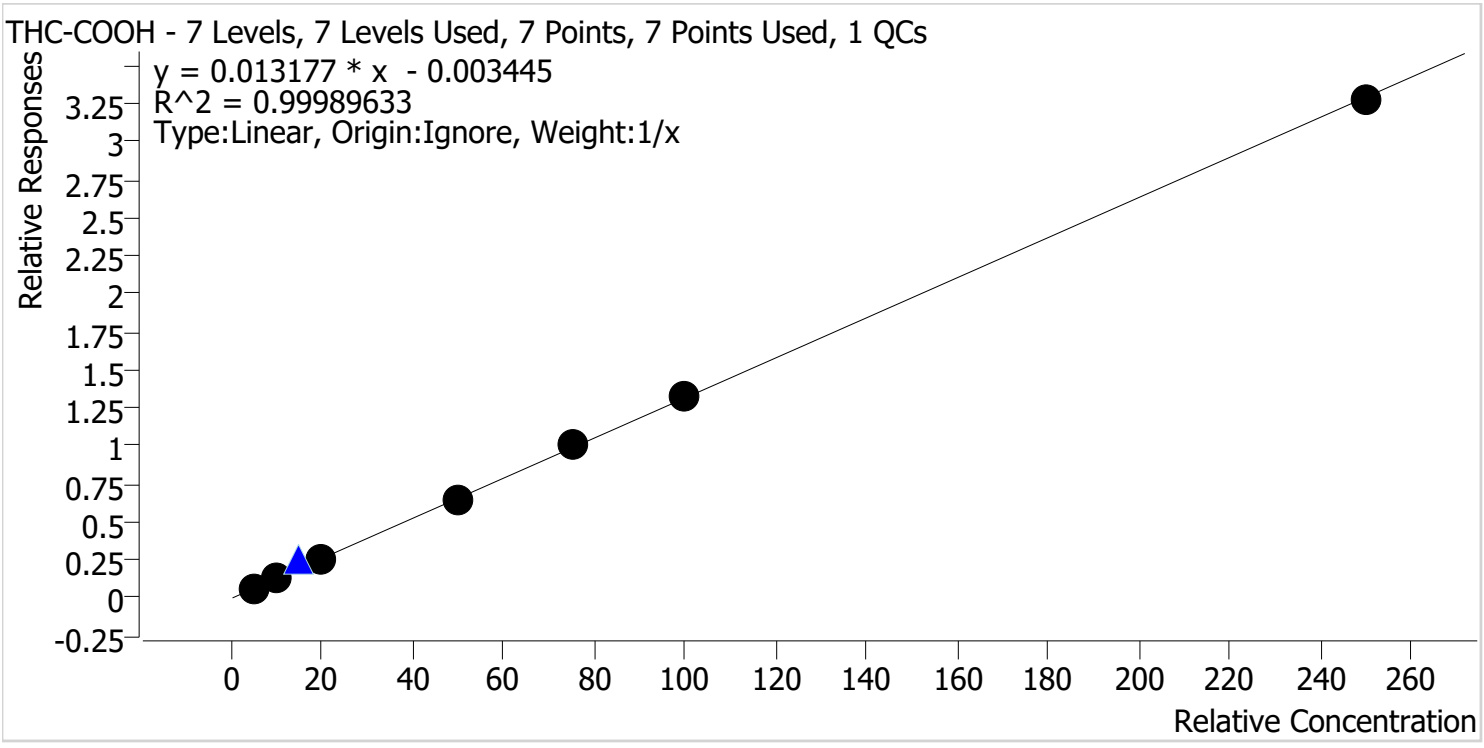
Batch results	D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Last Cal. Update	4/27/2022 12:49 PM
Analyst Name	ISP\Datastor
Analyte	THC
Internal Standard	THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✔	1.0	0.8	77.5
Cal 2 MJ	2	✔	3.0	3.8	128.0
Cal 3 MJ	3	✔	5.0	5.0	100.9
Cal 4 MJ	4	✔	10.0	9.4	93.8
Cal 5 MJ	5	✔	25.0	25.2	100.7
Cal 6 MJ	6	✔	50.0	49.3	98.6
Cal 7 MJ	7	✔	100.0	100.5	100.5

AM #26 Cannabinoids Screen Calibration Curve Report

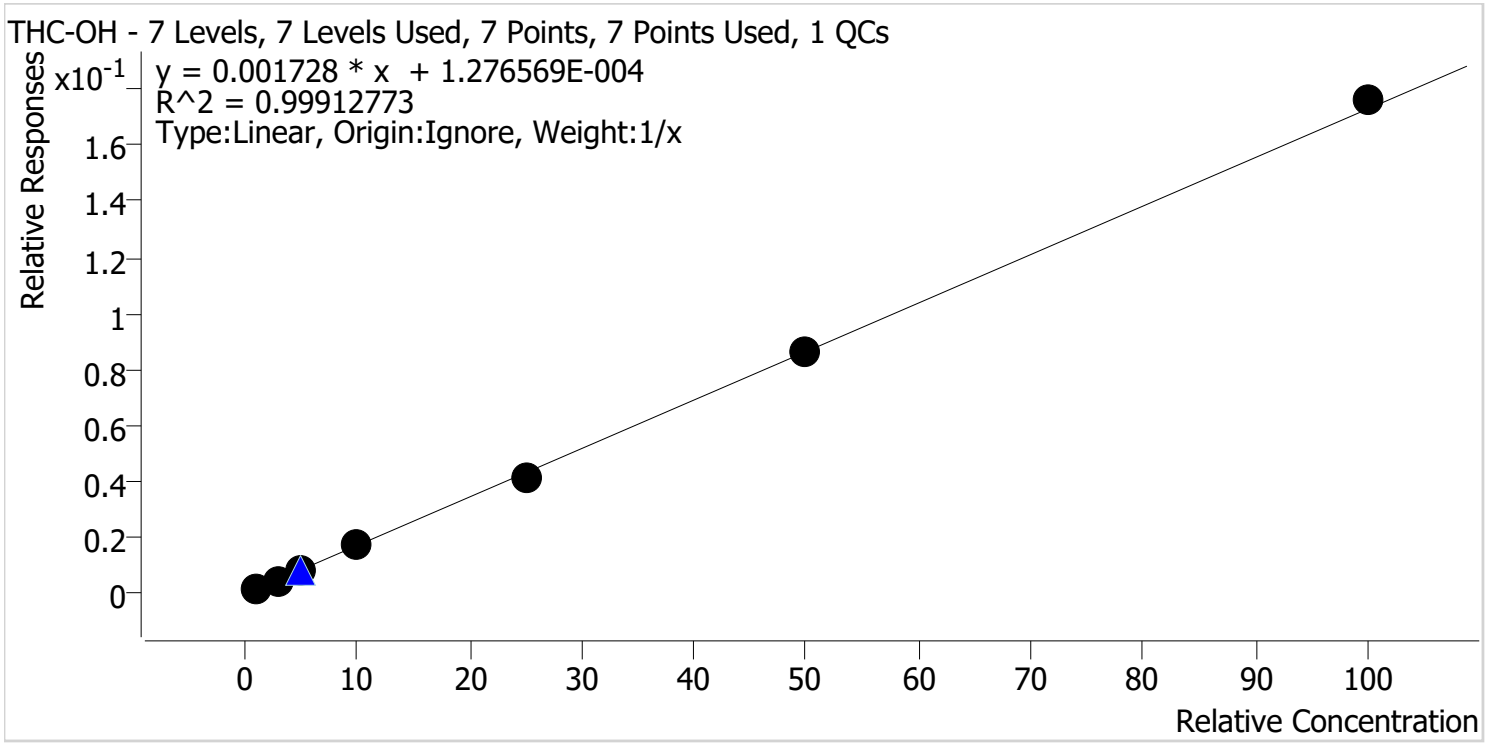
Batch results	D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Last Cal. Update	4/27/2022 12:49 PM
Analyst Name	ISP\Datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✔	5.0	5.0	100.3
Cal 2 MJ	2	✔	10.0	10.0	99.6
Cal 3 MJ	3	✔	20.0	19.7	98.4
Cal 4 MJ	4	✔	50.0	50.0	100.0
Cal 5 MJ	5	✔	75.0	76.2	101.6
Cal 6 MJ	6	✔	100.0	100.7	100.7
Cal 7 MJ	7	✔	250.0	248.4	99.4

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Last Cal. Update	4/27/2022 12:49 PM
Analyst Name	ISP\Datastor
Analyte	THC-OH
Internal Standard	THC-OH-D3



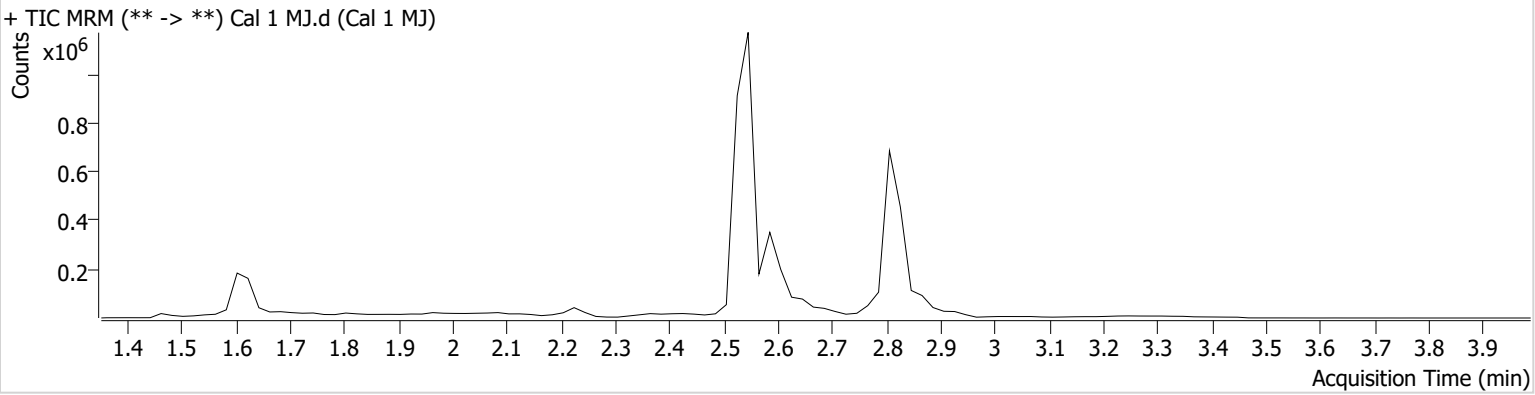
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✔	1.0	1.2	117.5
Cal 2 MJ	2	✔	3.0	2.7	90.7
Cal 3 MJ	3	✔	5.0	4.8	95.4
Cal 4 MJ	4	✔	10.0	10.0	99.6
Cal 5 MJ	5	✔	25.0	24.0	95.8
Cal 6 MJ	6	✔	50.0	49.7	99.3
Cal 7 MJ	7	✔	100.0	101.8	101.8

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 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	4/25/2022 10:24:09 AM		
Sample Info.			

Sample Chromatogram



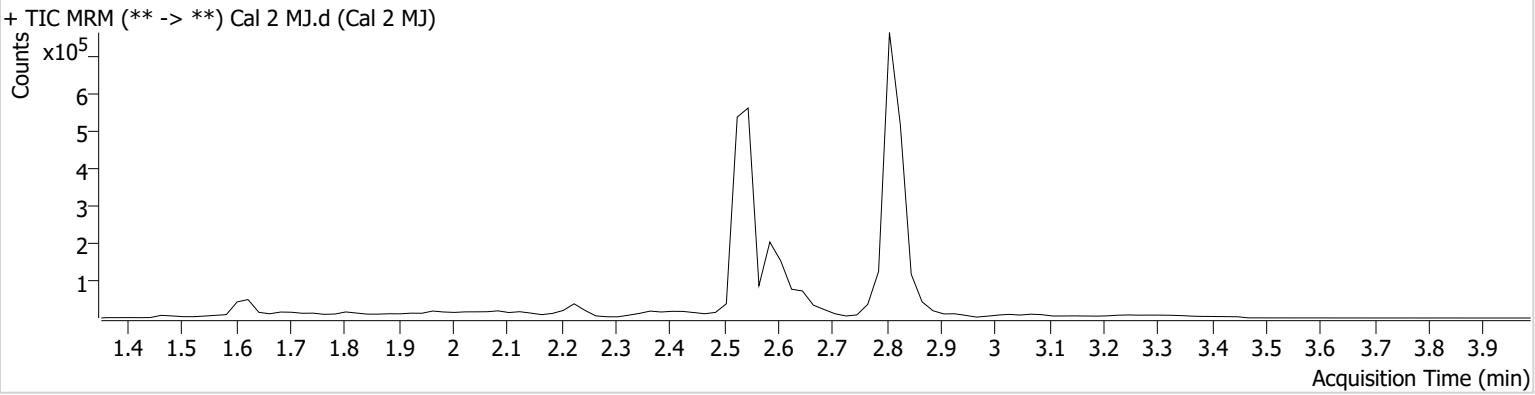
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.881	918	89790	0.7752	ng/ml	**Low**
THC-COOH	2.609	33696	537869	5.0157	ng/ml	
THC-OH	2.555	5803	2690489	1.1745	ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 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	4/25/2022 10:30:52 AM		
Sample Info.			

Sample Chromatogram



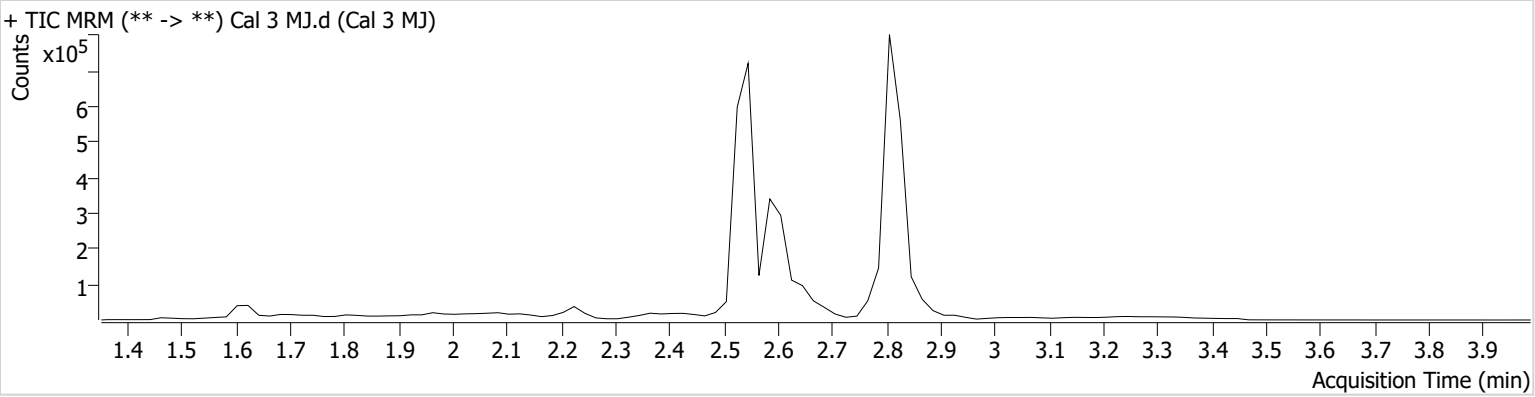
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.860	1410	47177	3.8411	ng/ml	
THC-COOH	2.609	42122	329760	9.9553	ng/ml	
THC-OH	2.555	6614	1370319	2.7198	ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 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	4/25/2022 10:37:26 AM		
Sample Info.			

Sample Chromatogram



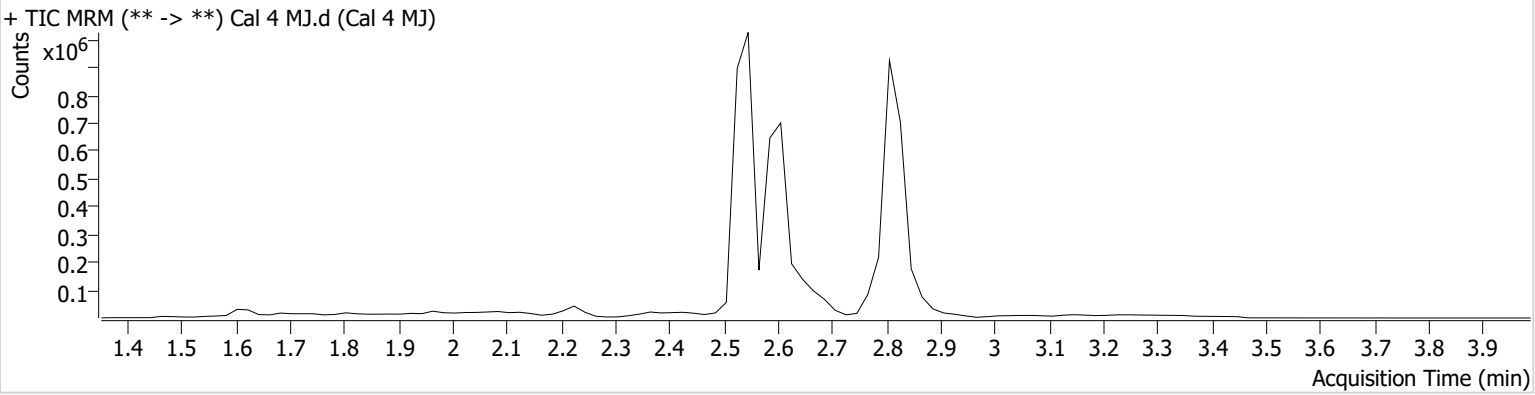
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.881	1744	46369	5.0448	ng/ml
THC-COOH	2.609	123196	481242	19.6889	ng/ml
THC-OH	2.555	13550	1618990	4.7702	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 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	4/25/2022 10:44:00 AM		
Sample Info.			

Sample Chromatogram



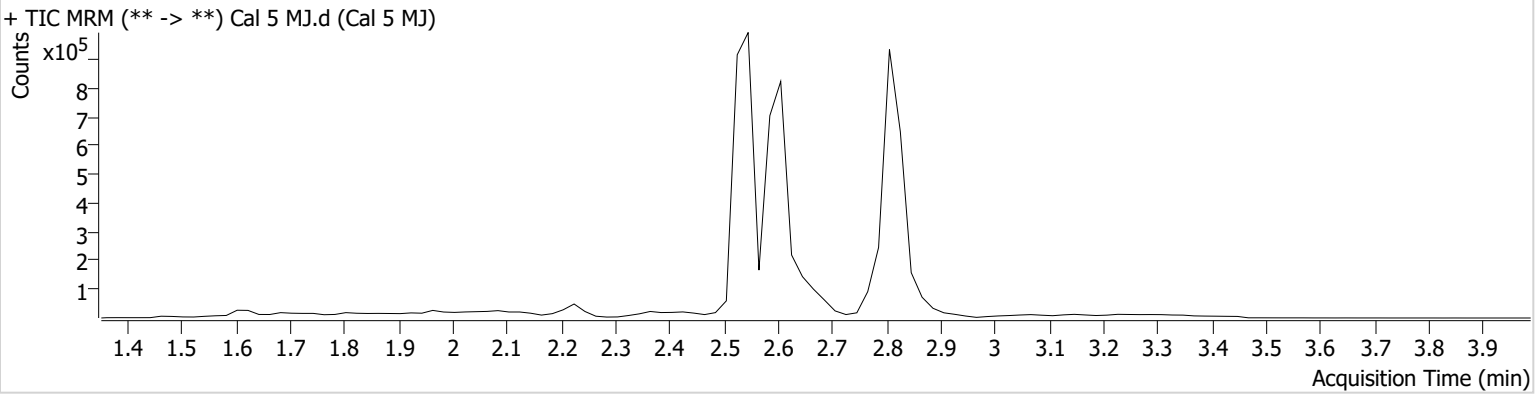
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.881	4632	70812	9.3765	ng/ml
THC-COOH	2.609	426876	651428	49.9914	ng/ml
THC-OH	2.535	38247	2206737	9.9575	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 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	4/25/2022 10:50:34 AM		
Sample Info.			

Sample Chromatogram



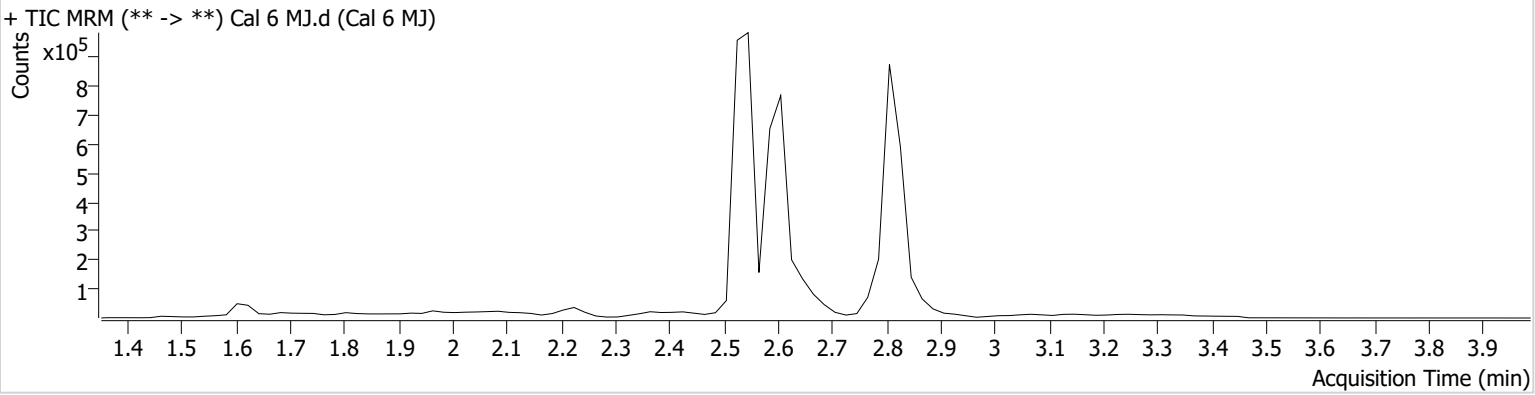
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.860	10477	62846	25.1664	ng/ml
THC-COOH	2.609	554529	553992	76.2248	ng/ml
THC-OH	2.535	75487	1818088	23.9573	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 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	4/25/2022 10:57:07 AM		
Sample Info.			

Sample Chromatogram



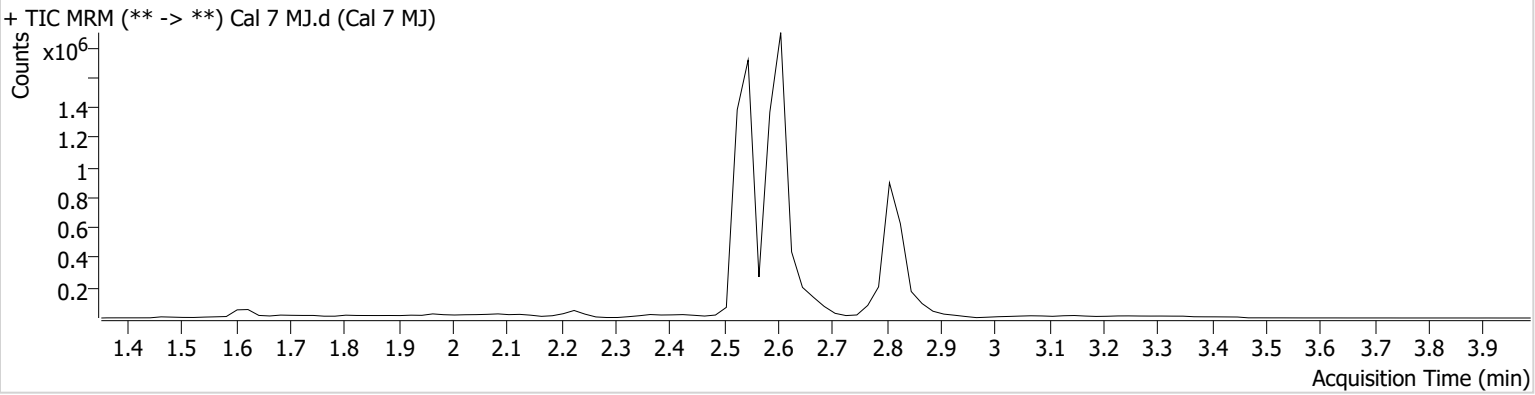
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.860	17393	54067	49.3227	ng/ml
THC-COOH	2.609	545850	412411	100.7061	ng/ml
THC-OH	2.535	123955	1442584	49.6586	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\042222 AM 25 26 CS\AM 26 POC Method\QuantResults\AM 26.batch.bin
Calibration Last Update 4/27/2022 12:49:12 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	4/25/2022 11:03:41 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.881	40642	62539	100.4734	ng/ml
THC-COOH	2.609	1504737	460170	248.4179	ng/ml
THC-OH	2.535	284218	1615356	101.7621	ng/ml