3/19/2024

REVIEWED
By Britany Wylie at 1:21 pm, Mar 21, 2024

Worklist: 6728

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2024-0265	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0383	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2024-0388	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0424	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0426	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0436	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0440	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0445	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0446	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0503	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0504	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0508	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0525	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0535	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0541	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: 3/19/24
Plate lot#: 231213
Mobile phase A: 10mM Amm Form
Blank Blood Lot: 23J52629
LCMS-QQQ ID: 69679

Analyst: Anne Nord
Plate Retest Date: 6/13/2024
Mobile phase B: 0.1% Formic Acid in MeOH
Blank Urine Lot: 1324
Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
☒ 3. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate. **Pipette ID: P31168J**
☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate. Amount transferred: *300*
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right).***
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. ☒ If run contains urine or at the analyst's discretion, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional). SPE Dry ID: 66819
☒ 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: *Started run, some compounds outside acquisition window. Adjusted acquisition times and restarted run.*

	1	2	3	4	5	6	7	8	9	10	11	12
A				0446-1	Negative blood							
B	cal 1			0503-1	0265-1							
C	internal urine control			0504-1	0388-1							
D				0508-1	0424-1							
E				0525-1	0426-1							
F		0383-1		0535-1	0436-1							
G				0541-1	0440-1							
H				negative urine	0445-3							

C2024-____-_

plate position 2

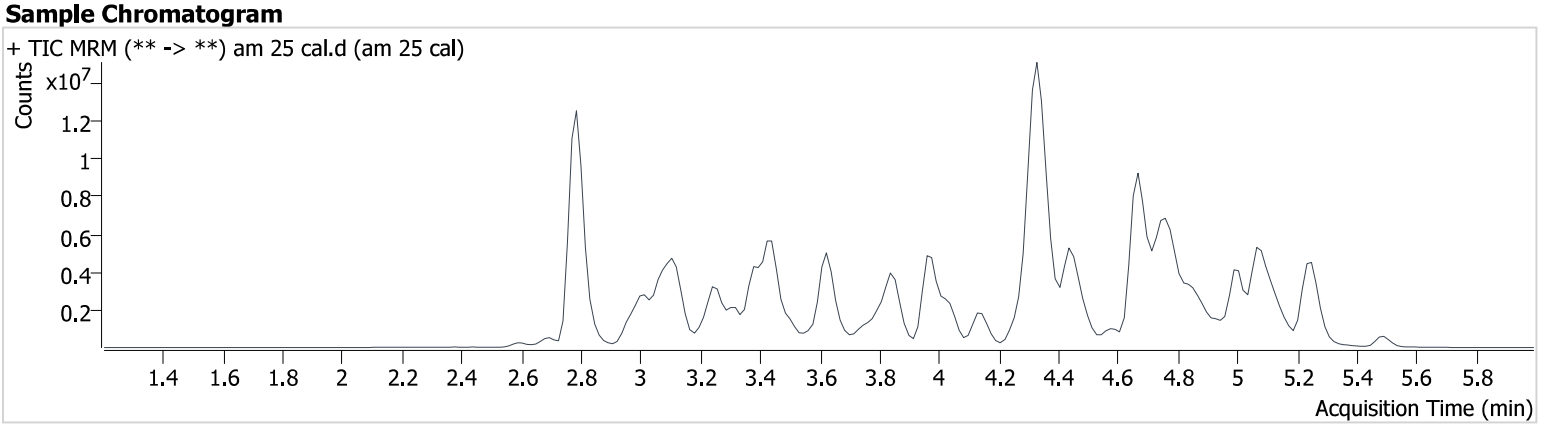
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 25.batch.bin
Calibration Last Update 3/19/2024 2:49:30 PM

Instrument 69679
Type Cal
Acq. Method mds713.m
Sample Position P2-B1
Injection Volume 2.5
Acq. Date-Time 3/19/2024 12:30:07 PM
Sample Info.

Data File am 25 cal.d
Sample am 25 cal
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.861	535421	5919.2	61.6	1504792	10.000
6-MAM	3.484	28779	36412.3	1303.2	1074612	10.000
7-aminoclonazepam	3.627	201001	258.6	1002.1	1356423	10.000
7-aminoflunitrazepam	3.857	474095	355.5	1431.3	1356423	10.000
9-Hydroxyrisperidone	4.479	3789820	13045.0	50468.8	1356423	10.000
Acetyl Fentanyl	4.577	209280	103.8	43510.4	4390462	10.000
Acetyl Norfentanyl	2.959	106826	233.6	125.7	13612365	10.000
a-hydroxyalprazolam	4.715	43236	71.2	323.8	1504792	10.000
alpha-hydroxymidazolam	4.760	575612	2963.9	433.4	2956078	10.000
alpha-PHP	4.308	1245264	1791.0	1777.6	4395314	10.000
alpha-PVP	4.032	1388914	682.8	1087.5	4395314	10.000
Alprazolam	4.779	430579	214.8	∞	2956078	10.000
Amitriptyline	4.859	583716	177.8	321.9	3648764	10.000
Amphetamine	3.010	1305185	1007.5	2559.6	4395314	10.000
Benzoylecgonine	3.442	30098	1780.9	1061.2	177551	10.000
Bromazolam	4.866	199226	346.9	34503.8	2956078	10.000
Brompheniramine	4.377	54180	∞	827.1	35687202	10.000
Buprenorphine	5.503	4388	2635.3	84.6	1961330	10.000
Bupropion	4.354	2150154	7748.5	253.1	8877271	10.000
Carbamazepine	4.370	2187449	∞	1213.2	4523057	10.000
Carisoprodol	4.307	259976	1292.6	121.5	2085187	10.000
Chlordiazepoxide	4.965	363161	∞	12123.0	2956078	10.000
Chlorpheniramine	4.259	3052867	48441.9	∞	5779177	10.000
Chlorpromazine	5.160	613915	644.4	183136.6	3549920	10.000
Citalopram	4.391	1445385	265.2	3354.7	35687202	10.000
Clomimpramine	5.130	854729	203.6	142.1	1531690	10.000
Clonazepam	4.640	163056	640.1	129.7	49590	10.000
Clonazolam	4.528	157937	35822.3	144952.9	1504792	10.000
clozapine	5.006	2064290	5393.1	631285.1	10742923	10.000
Cocaethylene	4.147	1666665	3773547.0	809.0	14416007	10.000
Cocaine	3.995	2132860	20285.6	408.5	14416007	10.000
Codeine	3.486	215738	1205.2	337.4	4523057	10.000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cyclobenzaprine	4.752	1209352	658.3	443.2	3648764	10.000
Desipramine	4.676	1667505	242776.4	983.7	3648764	10.000
Dextromethorphan	4.367	821526	962.1	3699.3	5779177	10.000
Dextrorphan	3.568	981894	7821.3	221.8	4395314	10.000
Diazepam	5.058	460087	834.4	387.4	2956078	10.000
Dihydrocodeine	3.118	496775	653.0	324.6	4523057	10.000
Dimethyltriptamine	3.129	1002797	2319.0	3500.7	4395314	10.000
Diphenhydramine	4.353	4356806	490.2	894.1	35687202	10.000
Doxepin	4.566	956110	72711.6	109.1	10742923	10.000
Doxylamine	3.844	3749347	2034.4	611.2	4395314	10.000
Duloxetine	4.627	29349	6062.6	680.0	1531690	10.000
EDDP	4.289	50167	39.6	6133.0	331986	10.000
Estazolam	4.704	808963	273.0	788.8	2956078	10.000
Etizolam	4.775	49759	21481.9	2799.6	2956078	10.000
Fentanyl	4.760	187224	724.0	82348.5	11103794	10.000
Flualprazolam	4.607	266684	547.9	66708.8	2956078	10.000
Flunitrazepam	4.748	441506	124192.6	103.5	1504792	10.000
Fluorofentanyl	4.805	151644	55187.9	1494.5	11103794	10.000
Fluoxetine	4.594	1017874	1179.4	23134.0	1531690	10.000
Flurazepam	4.788	1593280	602681.5	112493.8	1961330	10.000
Hydrocodone	3.686	711869	360.1	509.1	4523057	10.000
Hydromorphone	3.000	415532	152.9	415.3	122518	10.000
hydroxyzine	5.110	2403354	2417.0	547.8	10742923	10.000
Imipramine	4.797	2740812	7691.6	417780.9	3648764	10.000
Ketamine	4.355	1346320	1787.8	95.5	6963229	10.000
Lamotrigine	3.753	1196891	3838.5	22038.3	4395314	10.000
Levamisole	3.634	1068993	715.6	71.6	14416007	10.000
Levetiracetam	2.598	266896	780.6	244.4	1356423	10.000
Lorazepam	4.608	31422	∞	∞	1504792	10.000
Maprotiline	4.690	265288	750.8	66.3	3648764	10.000
MDA	3.144	1500313	352.6	395.8	10374413	10.000
MDEA	3.389	1911558	2804.1	16571.2	10374413	10.000
MDMA	3.221	2106196	717.8	773.2	10374413	10.000
Meperidine	3.984	1285749	1011.3	329.7	122518	10.000
Meprobamate	3.726	174504	48917.9	100.4	2085187	10.000
Methadone	4.656	3386965	4147456.6	7119.2	4390462	10.000
Methamphetamine	3.116	1553164	∞	76279284 38785060 .0	10374413	10.000
Methocarbamol	3.677	143113	599.3	368.5	2085187	10.000
Methylphenidate	3.817	3918575	439.1	1165.9	8435120	10.000
Metoprolol	3.583	415218	2836.1	17202.6	4395314	10.000
Midazolam	4.930	297489	113298.8	144070.8	1356423	10.000
Mirtazapine	4.784	1585867	585113.0	1383.0	1961330	10.000
Mitragynine	4.803	230787	∞	253775.7	11103794	10.000
Morphine	2.848	131317	∞	1524.7	122518	10.000
Norbuprenorphine	4.065	61149	38140.9	18973.0	1961330	10.000
Nordiazepam	4.906	373662	384.9	120362.4	2956078	10.000
Norfentanyl	3.463	2420949	12961.9	613.0	13612365	10.000
Norhydrocodone	3.060	83535	171.7	103.3	4523057	10.000
norketamine	4.294	198526	171.1	10706.0	6963229	10.000
Normeperidine	3.770	1319245	2399.4	244.8	122518	10.000
Noroxycodone	3.012	982607	129.6	684.4	4523057	10.000
Nortriptyline	4.723	715951	223.3	179.8	1531690	10.000
O-desmethyl-tramadol	3.034	2955593	13766.1	1076.3	4390462	10.000
O-Desmethylvenlafaxine	3.399	866989	80.6	4801.4	4390462	10.000
Olanzapine	4.425	1074713	346036.3	1227.6	1531690	10.000
Oxazepam	4.720	185716	238.1	52.1	1504792	10.000
Oxycodone	3.377	1349216	439.0	1621.0	6963229	10.000
Oxymorphone	2.693	878241	264.1	419.9	122518	10.000

AM #25 Multi-Drug Screen. Results

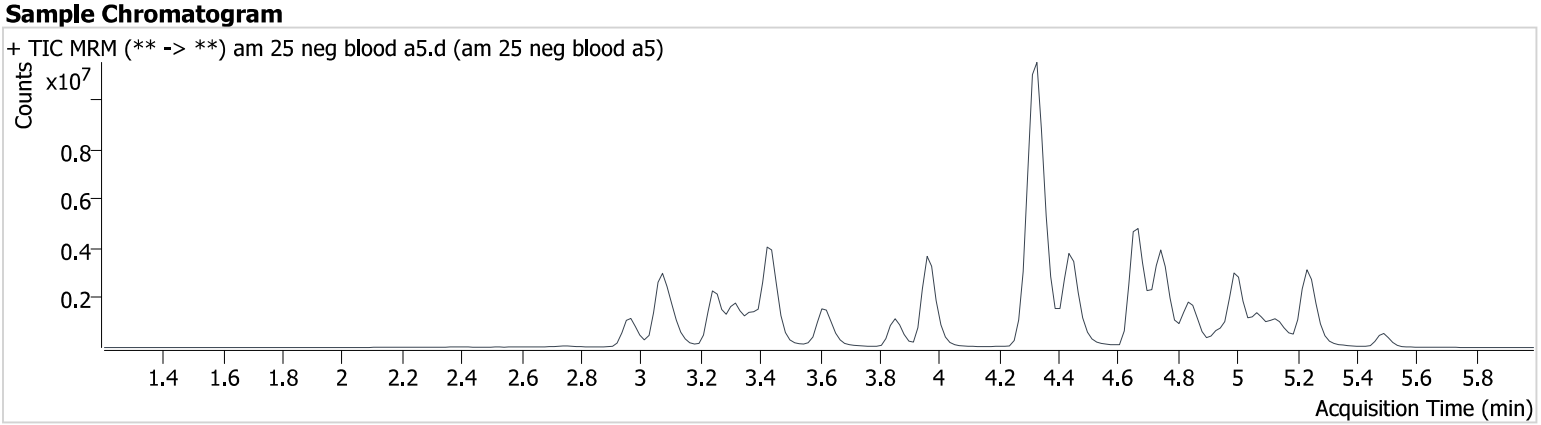
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Paroxetine	4.637	180776	452.7	26838.0	1531690	10.000
Phenazepam	4.821	366530	122533.3	94922.9	2956078	10.000
Phencyclidine	4.139	2584882	770.1	934.0	4390462	10.000
Phentermine	3.284	780887	∞	100.1	8435120	10.000
Phenytoin	4.246	105449	26745.0	24.8	49590	10.000
primidone	3.510	1342719	4827.4	463.2	49590	10.000
Promethazine	4.889	2653692	13686.3	354.1	3648764	10.000
Pseudoephedrine	2.795	39250094	19040.8	1035.7	8435120	10.000
Quetiapine	5.064	3243844	1354688.8	747.9	5779177	10.000
Risperidone	4.695	2815108	4477.1	1746.5	5779177	10.000
Sertraline	4.948	296443	∞	358.2	1531690	10.000
Sufentanil	5.155	148054	46522.4	25844.4	11103794	10.000
Tapentadol	3.633	2024985	765.7	1814.4	6963229	10.000
Temazepam	4.872	675334	1774.8	73.8	2956078	10.000
Topiramate	3.913	129714	21457.2	11895.6	51749	10.000
Tramadol	3.629	6752953	1163.4	36.5	1074612	10.000
Trazodone	5.264	2812017	497612.5	234847.3	13802540	10.000
Venlafaxine	4.043	3430640	101886.2	212.8	4390462	10.000
Xylazine	3.633	122164	∞	15722.5	4390462	10.000
Zaleplon	4.503	448799	81903.8	123273.8	1504792	10.000
Zolpidem	4.672	3929602	1626.1	726.8	17694821	10.000
Zopiclone	4.742	690411	689860.5	∞	3765815	10.000

AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 25.batch.bin
Calibration Last Update 3/19/2024 2:49:30 PM

Instrument	69679	**Data File**	am 25 neg blood a5.d
Type	Sample	**Sample**	am 25 neg blood a5
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-A5	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	2.5		
Acq. Date-Time	3/19/2024 12:43:46 PM		
Sample Info.			

Sample Chromatogram

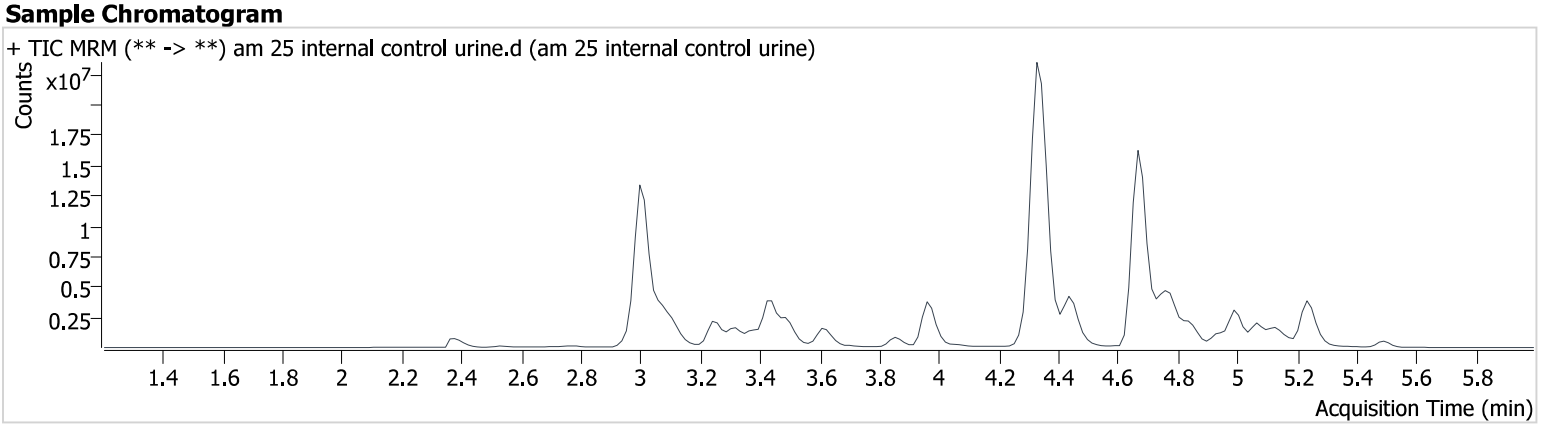


AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 25.batch.bin
Calibration Last Update 3/19/2024 2:49:30 PM

Instrument	69679	**Data File**	am 25 internal control urine.d
Type	Sample	**Sample**	am 25 internal control urine
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-C1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	2.5		
Acq. Date-Time	3/19/2024 12:37:02 PM		
Sample Info.			

Sample Chromatogram



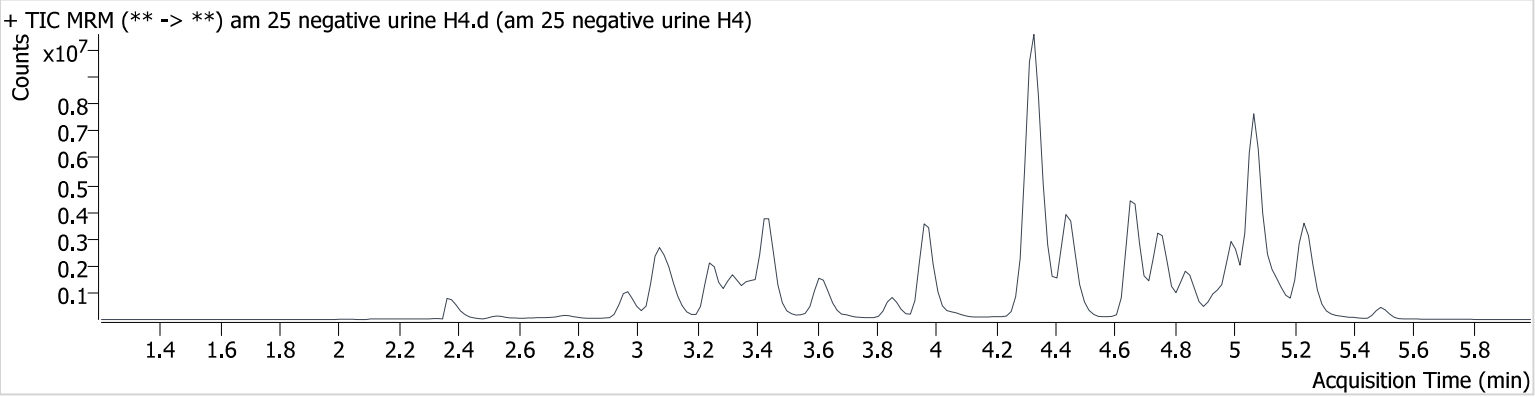
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.779	4610557	2440.6	939.7	2514666	125.874
Amphetamine	3.010	13968310	19757.3	26025.4	3494549	134.608
Codeine	3.486	2357331	23874.5	20272.9	3901011	126.692
Diphenhydramine	4.353	41833294	517.5	264.5	28189467	121.557
Zolpidem	4.672	34199380	3620.1	3246.6	13647753	112.838

AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 25.batch.bin
Calibration Last Update 3/19/2024 2:49:30 PM

Instrument	69679	**Data File**	am 25 negative urine H4.d
Type	Sample	**Sample**	am 25 negative urine H4
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-H4	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	2.5		
Acq. Date-Time	3/19/2024 2:24:51 PM		
Sample Info.			

Sample Chromatogram



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

Extraction Date: 3/19/24
Plate lot#: 231212
Mobile phase A: 10mM Amm Form in LCMS water
Blank Blood Lot: 23J52629
LCMS-QQQ ID: 69679

Analyst: Anne Nord
Plate Retest Date: 6/12/2024
Mobile phase B: 0.1% Formic acid in MeOH
Blank Urine Lot: 1324
Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Urine hydrolysis: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
☒ 3. Using a calibrated pipette, pipette 1000µL blood or 1000µL hydrolyzed urine in wells of analytical (standards) plate. **Pipette ID: I41142J**
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 4. Add **500µL of 0.1% formic acid in water to blood samples, and 500µL of saturated phosphate buffer to urine samples** in the wells of the analytical plate.
☒ 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 µL**
☒ 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:

Mixing plate

	1	2	3	4	5	6
a	cal 1	Internal control urine	0445-1	negative urine		
b	cal 2	negative blood	0446-1	0383-1		
c	cal 3	0265-1	0503-1			
d	cal 4	0388-1	0504-1			
e	cal 5	0424-1	0508-1			
f	cal 6	0426-1	0525-1			
g	cal 7	0436-1	0535-1			
h	Internal control (blood)	0440-1	0541-1			

Plate position 3

c2024-____-_

Injection plate

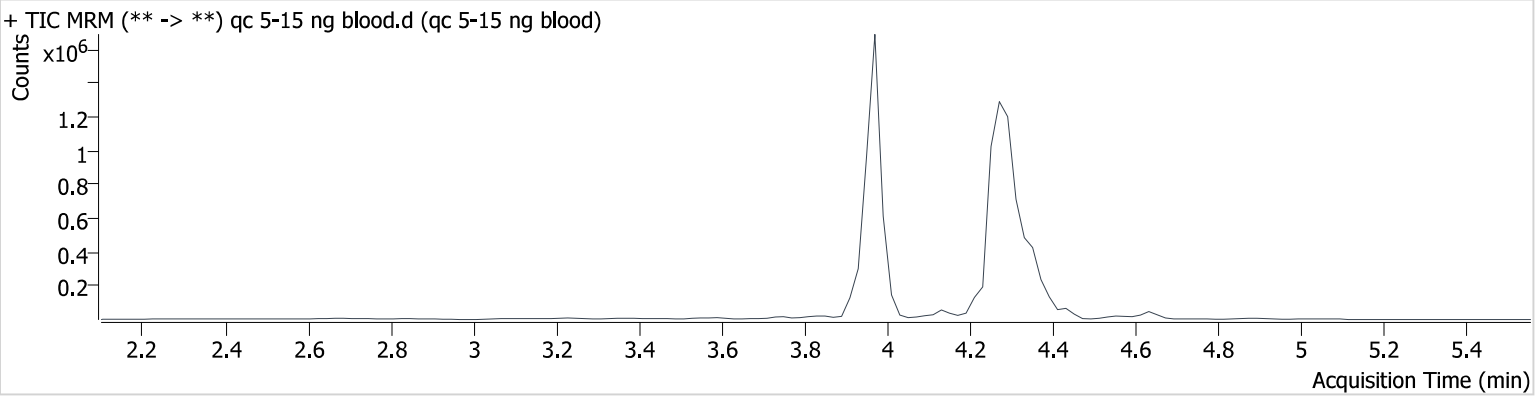
	1	2	3	4	5	6
a	cal 1	Internal control urine	negative urine			0445-1
b	cal 2	negative blood	0383-1			0446-1
c	cal 3	0265-1				0503-1
d	cal 4	0388-1				0504-1
e	cal 5	0424-1				0508-1
f	cal 6	0426-1				0525-1
g	cal 7	0436-1				0535-1
h	Internal control (blood)	0440-1				0541-1

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	qc 5-15 ng blood.d
Type	QC	**Sample**	qc 5-15 ng blood
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-H1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:44:23 PM		
Sample Info.			

Sample Chromatogram



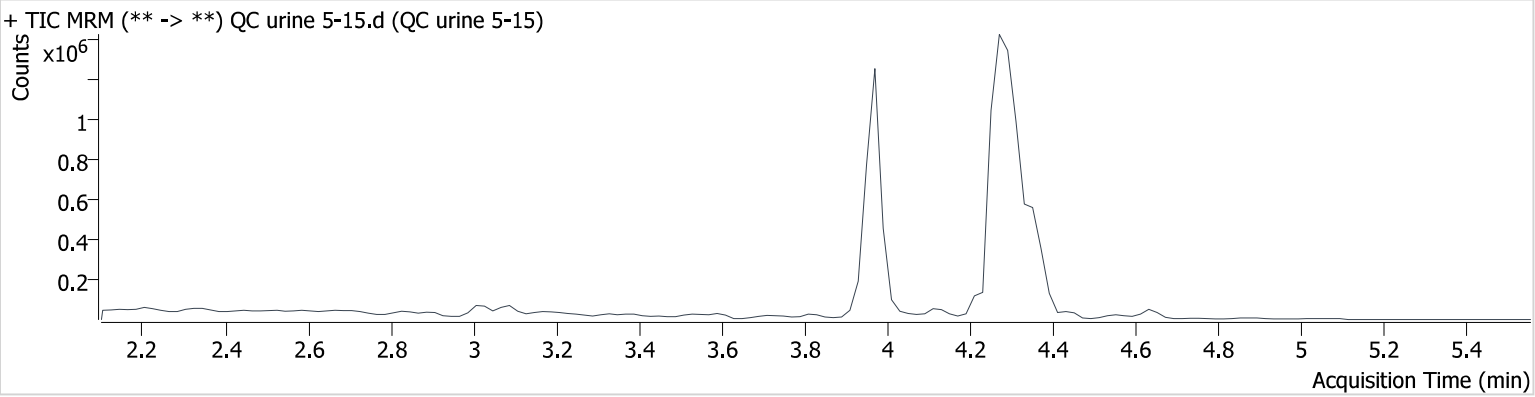
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	16034	378927	5.25 ng/ml
THC-COOH	3.953	105822	504602	14.95 ng/ml
THC-OH	3.979	27825	3520914	4.89 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	QC urine 5-15.d
Type	Sample	**Sample**	QC urine 5-15
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A2	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:50:52 PM		
Sample Info.			

Sample Chromatogram



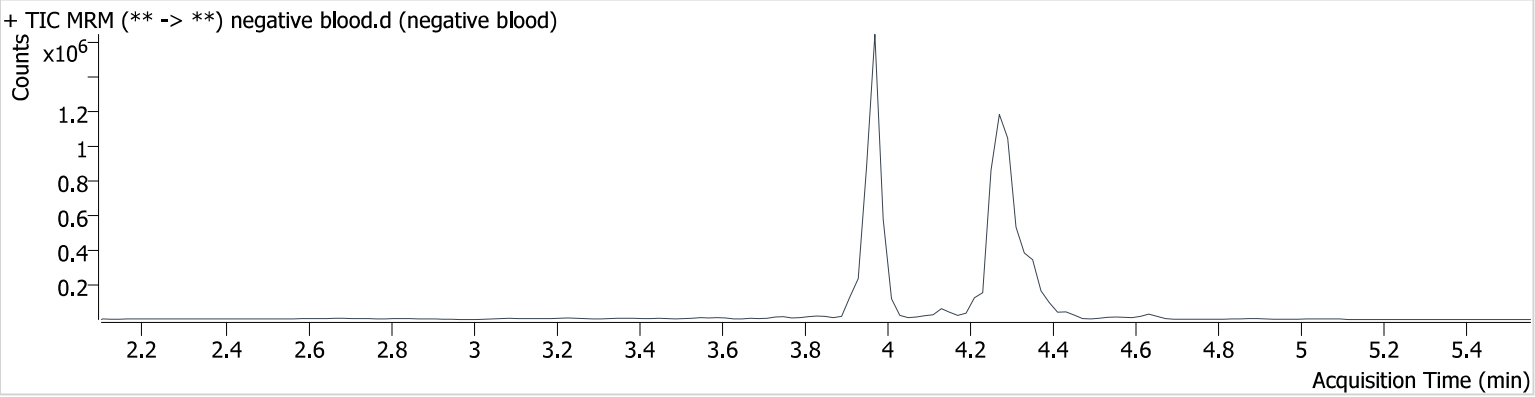
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	23445	520732	5.57 ng/ml
THC-COOH	3.953	80729	381783	15.07 ng/ml
THC-OH	3.979	20235	2610844	4.79 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	negative blood.d
Type	Sample	**Sample**	negative blood
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-B2	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:57:20 PM		
Sample Info.			

Sample Chromatogram

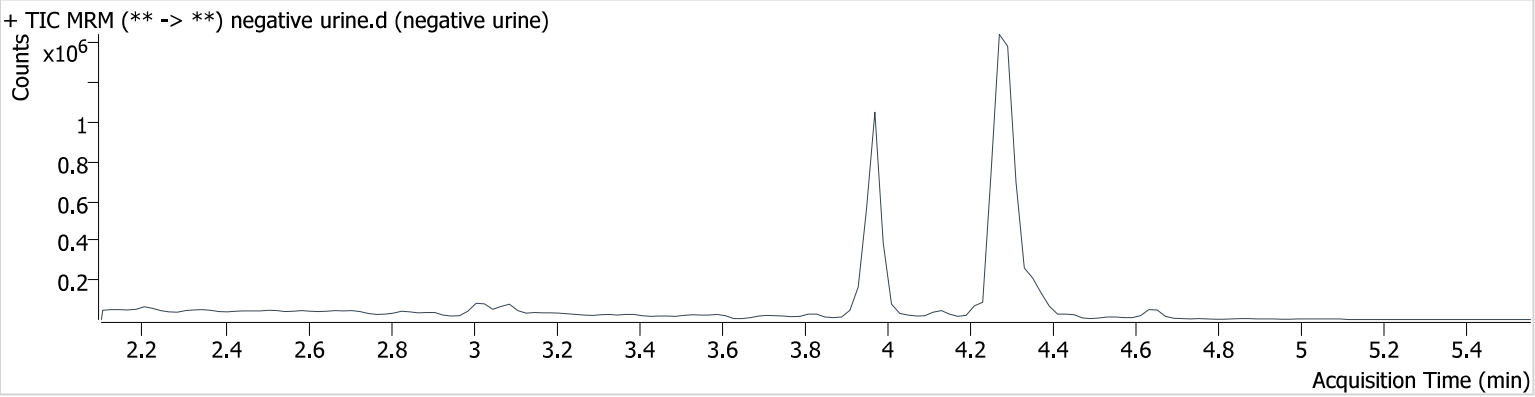


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	negative urine.d
Type	Sample	**Sample**	negative urine
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A3	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 5:34:26 PM		
Sample Info.			

Sample Chromatogram

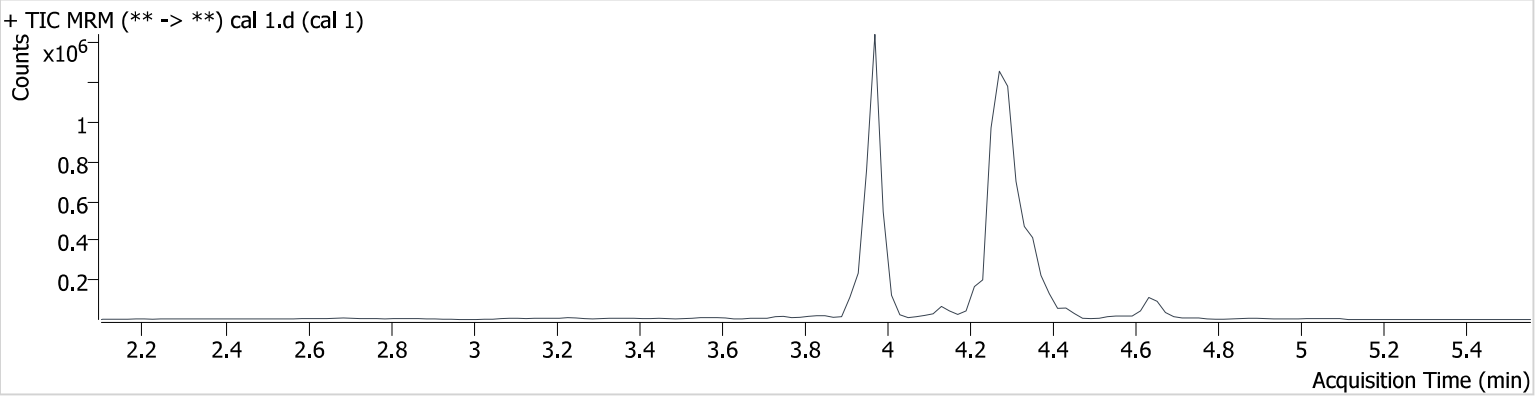


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	cal 1.d
Type	Cal	**Sample**	cal 1
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 2:58:55 PM		
Sample Info.			

Sample Chromatogram



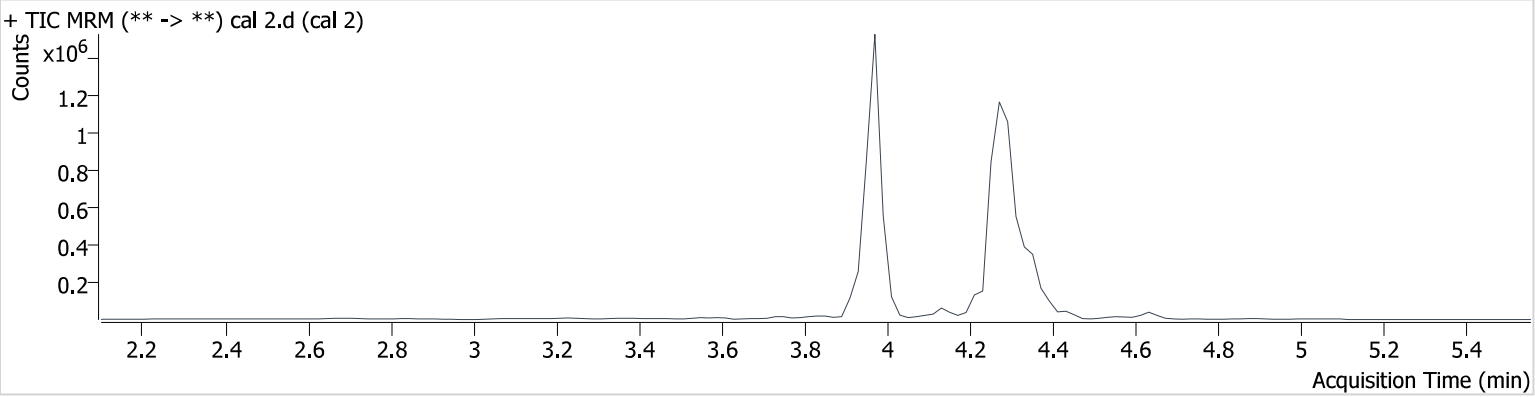
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	3296	421917	1.11 ng/ml **Low**
THC-COOH	3.953	32797	482251	4.98 ng/ml **Low**
THC-OH	3.979	5290	3226163	1.08 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	cal 2.d
Type	Cal	**Sample**	cal 2
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-B1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:05:34 PM		
Sample Info.			

Sample Chromatogram



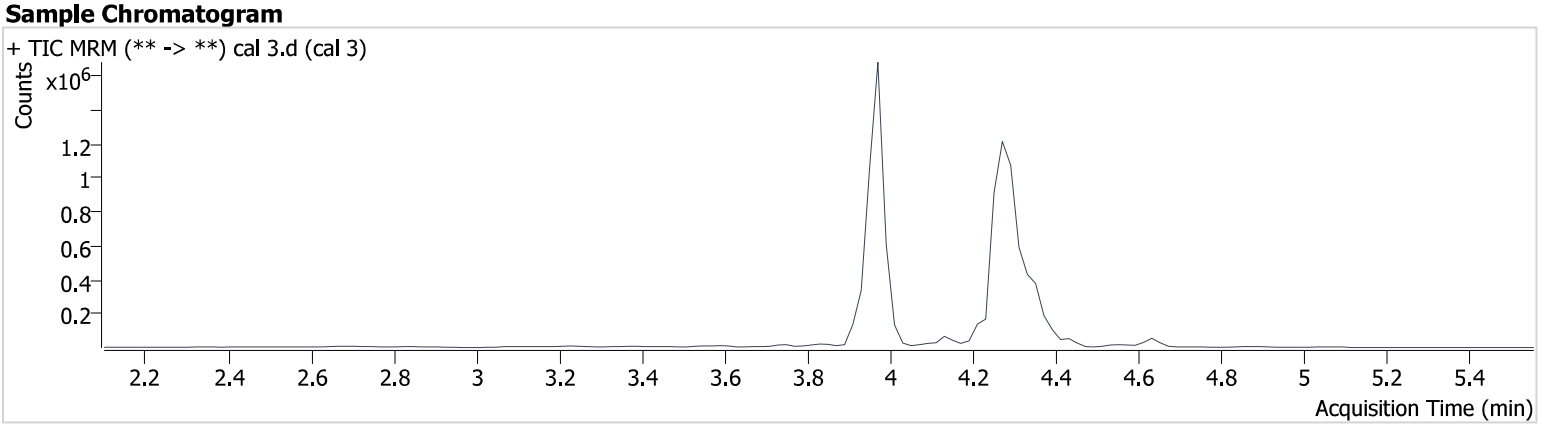
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	4.365	9890	434048	2.90 ng/ml	**Low**
THC-COOH	3.953	65965	468235	10.11 ng/ml	
THC-OH	3.979	15721	3316210	2.96 ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	cal 3.d
Type	Cal	**Sample**	cal 3
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-C1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:12:03 PM		
Sample Info.			

Sample Chromatogram



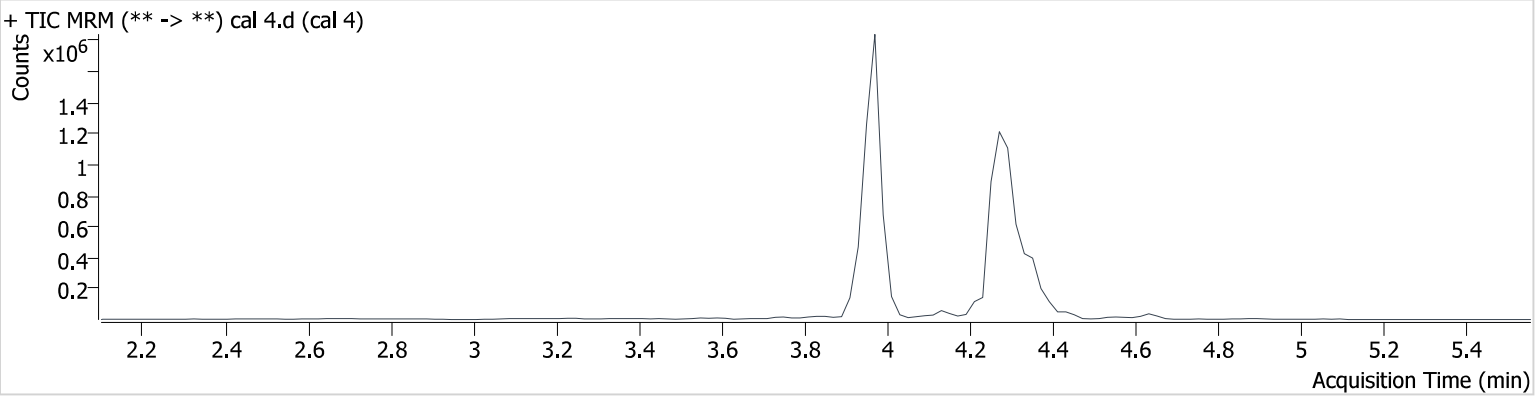
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	17072	437107	4.86 ng/ml
THC-COOH	3.953	145193	515102	20.03 ng/ml
THC-OH	3.979	27947	3552882	4.87 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	cal 4.d
Type	Cal	**Sample**	cal 4
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-D1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:18:31 PM		
Sample Info.			

Sample Chromatogram



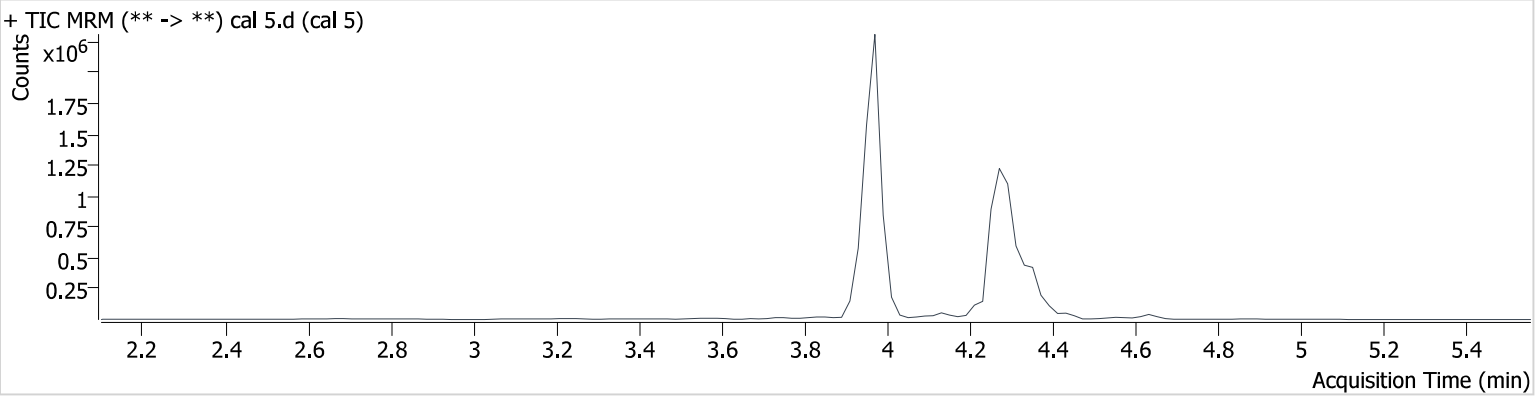
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	33546	430618	9.52 ng/ml
THC-COOH	3.953	359242	519644	48.84 ng/ml
THC-OH	3.979	54007	3425539	9.67 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	cal 5.d
Type	Cal	**Sample**	cal 5
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-E1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:24:59 PM		
Sample Info.			

Sample Chromatogram



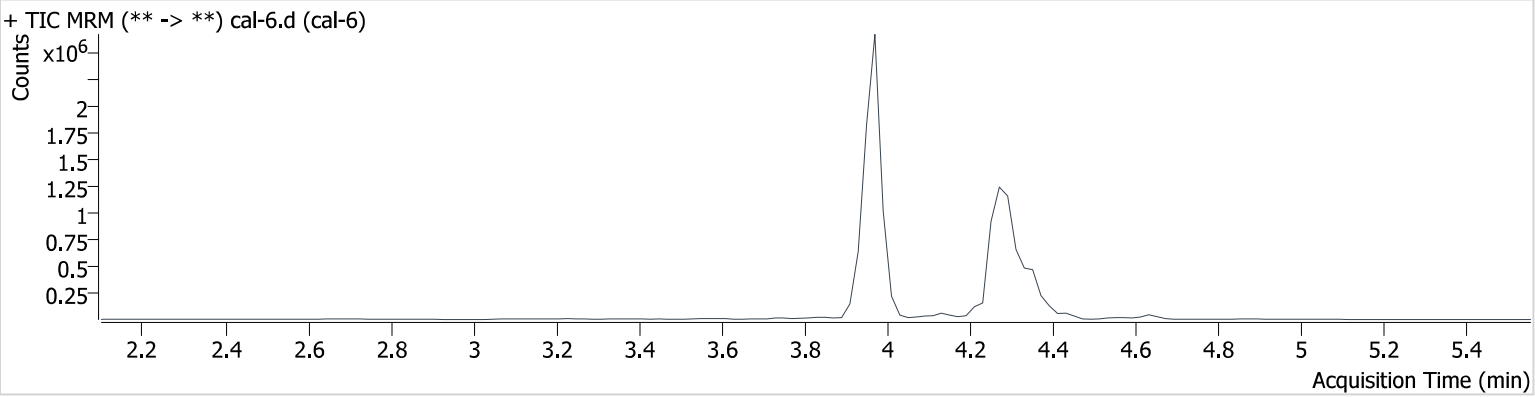
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	90889	441602	24.88 ng/ml
THC-COOH	3.953	528393	490682	75.96 ng/ml
THC-OH	3.979	141037	3514535	24.49 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	cal-6.d
Type	Cal	**Sample**	cal-6
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-F1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:31:27 PM		
Sample Info.			

Sample Chromatogram



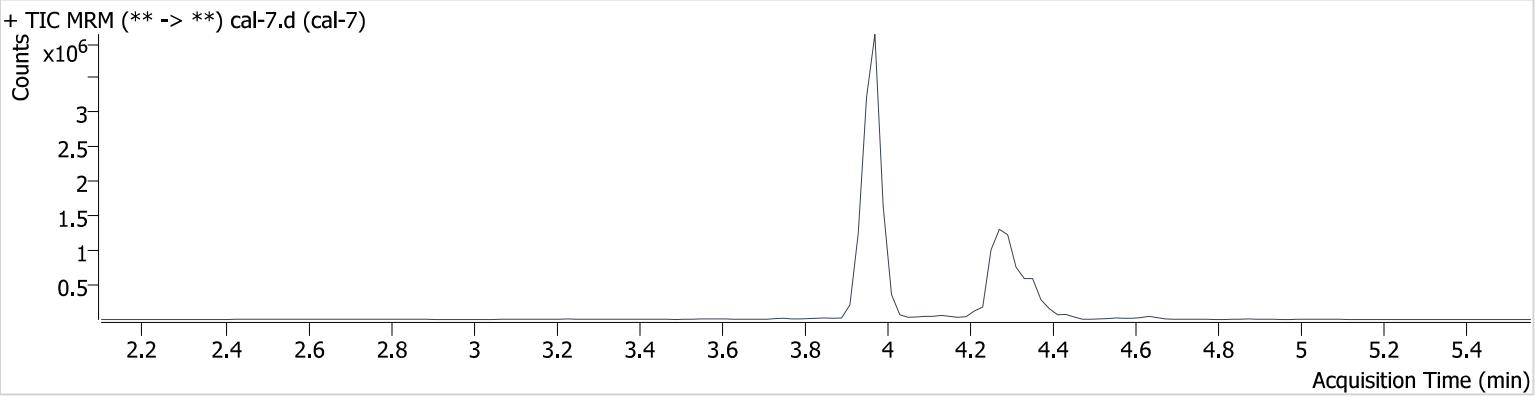
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	165821	398530	50.13 ng/ml
THC-COOH	3.953	650771	460593	99.60 ng/ml
THC-OH	3.979	263077	3172268	50.52 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Calibration Last Update 3/20/2024 10:34:17 AM

Instrument	69679	**Data File**	cal-7.d
Type	Cal	**Sample**	cal-7
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-G1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	3/19/2024 3:37:55 PM		
Sample Info.			

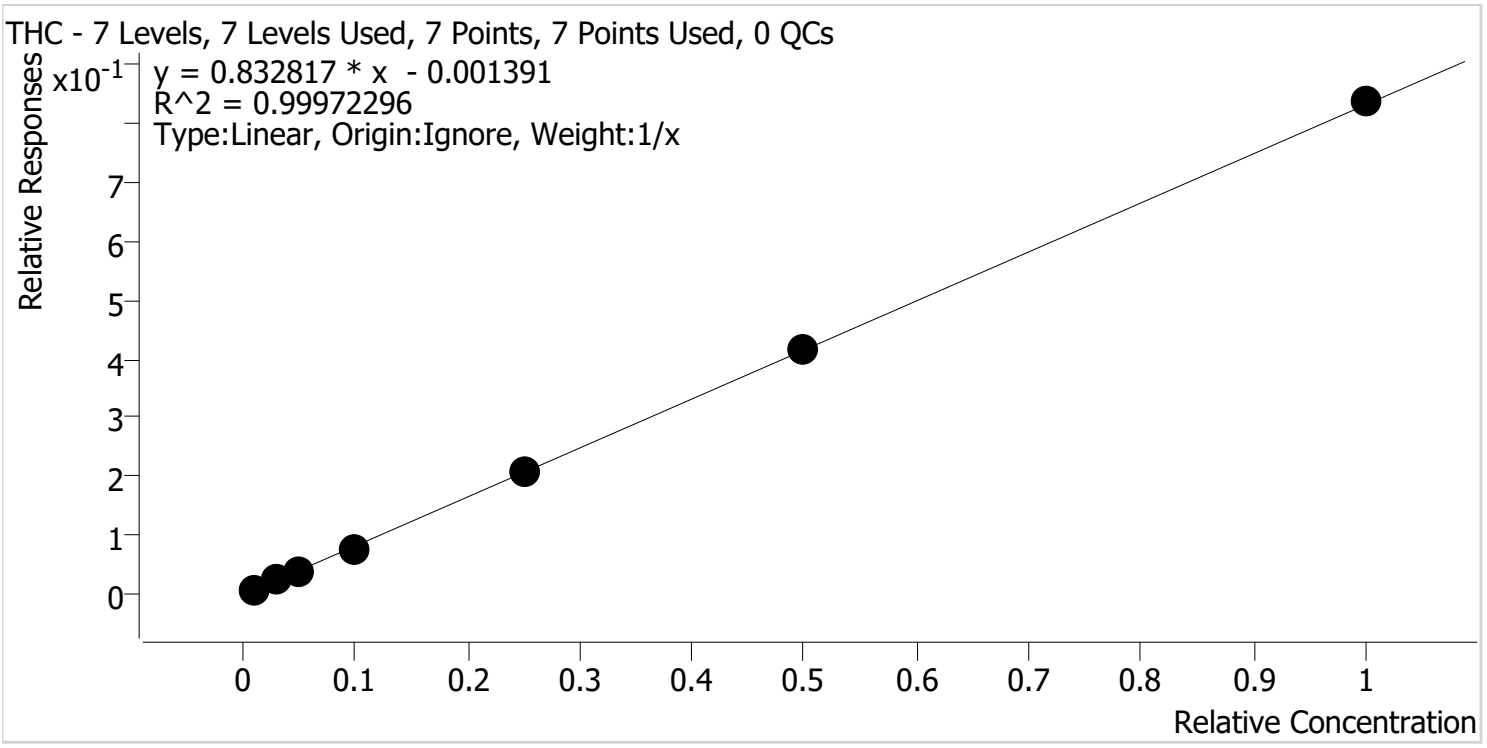
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	310240	370891	100.61 ng/ml
THC-COOH	3.953	1598913	446750	252.00 ng/ml
THC-OH	3.979	533346	3233221	100.41 ng/ml

Compound Calibration Report

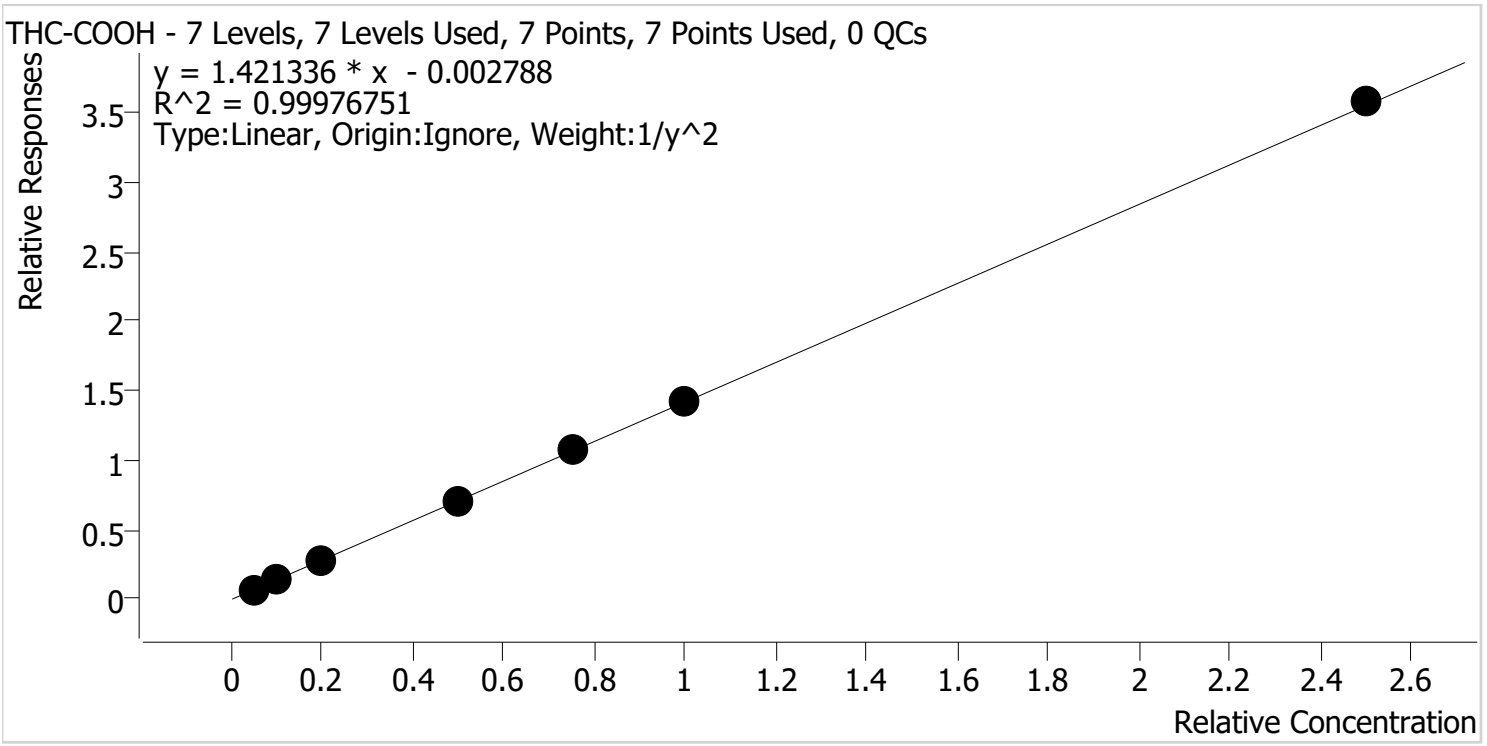
Batch results	D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Last Cal. Update	3/20/2024 10:34 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	110.5
cal 2	2	✔	3.0	2.9	96.8
cal 3	3	✔	5.0	4.9	97.1
cal 4	4	✔	10.0	9.5	95.2
cal 5	5	✔	25.0	24.9	99.5
cal-6	6	✔	50.0	50.1	100.3
cal-7	7	✔	100.0	100.6	100.6

Compound Calibration Report

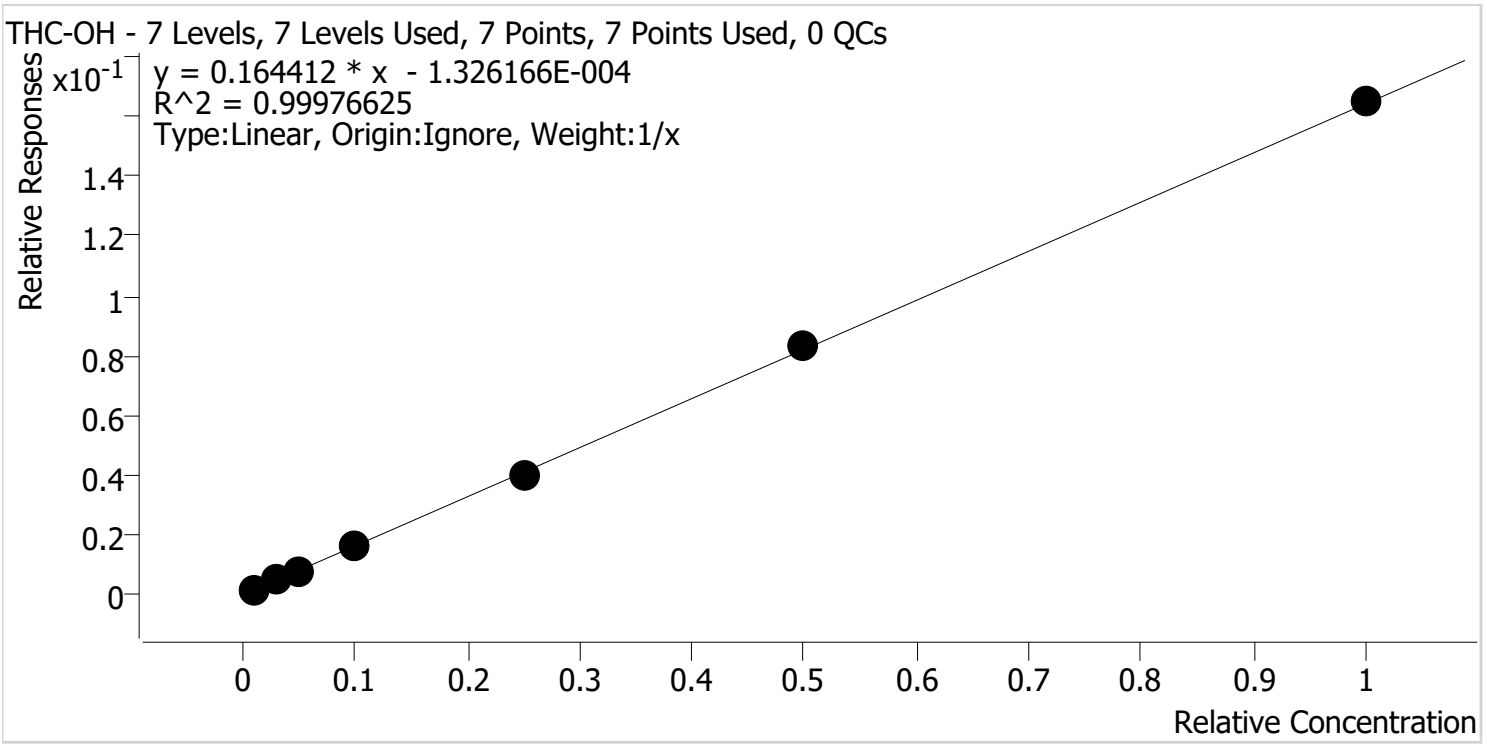
Batch results	D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Last Cal. Update	3/20/2024 10:34 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	5.0	5.0	99.6
cal 2	2	✔	10.0	10.1	101.1
cal 3	3	✔	20.0	20.0	100.1
cal 4	4	✔	50.0	48.8	97.7
cal 5	5	✔	75.0	76.0	101.3
cal-6	6	✔	100.0	99.6	99.6
cal-7	7	✔	250.0	252.0	100.8

Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 25-26\031924\QuantResults\am 26.batch.bin
Last Cal. Update	3/20/2024 10:34 AM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	107.8
cal 2	2	✔	3.0	3.0	98.8
cal 3	3	✔	5.0	4.9	97.3
cal 4	4	✔	10.0	9.7	96.7
cal 5	5	✔	25.0	24.5	98.0
cal-6	6	✔	50.0	50.5	101.0
cal-7	7	✔	100.0	100.4	100.4