REVIEWED
By Sarah Collins at 9:25 am, Mar 02, 2022

3/1/2022

Worklist: 5646

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2022-0193	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0283	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2022-0284	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0306	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0321	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2022-0326	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0327	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0331	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0339	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0346	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0349	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0356	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0359	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0361	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2022-0370	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2022-0374	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ

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

Extraction Date: 2/24/22 Analyst: Anne Nord
Plate lot#: 211015 Plate retest date: 04/15/22

Mobile phase A: 10mM Ammonium Formate **Mobile phase B:** 0.1% Formic Acid in MeOH
0.5M Ammonium Hydroxide Ethyl Acetate LC 20% Methanol
Blank Blood Lot: 22B52020 **Blank Urine lot:** 21522 **Column**: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)
LCMS-QQQ ID: 69679

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 pipette: 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer mix for at least five minutes ambient temperature.
Pipette **250 µL blood (calibrated pipette)** or 250 ul urine in wells of analytical (standards) plate. **Pipette ID: 1926134**
☒ 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 or urine+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) *Manifold ID: 66792*
☒ 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. add 50 ul 1% HCl in MeOH Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
☒ 16. Reconstitute in **100 µL 20% LC MeOH** in LC Water 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? (If no is it described in comments?)
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

Toxicology AM method 25/28 urine external control prep

working solution 10000 ng/ml in meoh diphendydramine, methamphetamine, alprazolam, methocarbamol, morphine

Stock solution 1mg/ml 50 ul each in 4750 ul MeOH (Honeywell EA078-US)

ppd 6/25/21: Exp: 6/25/2022 lot 62522 by AMN

Drug	lot	expiration
Methamphetamine	FE03132001	7/1/2025
methocarbamol	FN01212005	1/1/2023
alprazolam	FE06102008	6/1/2025
Diphendydramine	FN02212011	3/1/2025
Morphine	FE03232010	4/1/2025

AM 25/28 control 500 ul working solution (62522) in 4500 ul negative urine (1000ng/mL Expected concentration)

ppd 6/25/21, exp 6/25/22 lot u62522 negative urine 5621 by AMN

AM 25/28 Blood Control: 50ul working solution (41422) in 4950 ul neg blood (100ng/mL Expected concentration)

ppp 6/25/21, exp 6/25/22 lot b62522 neg blood 21D52496 by AMN

	1	2	3	4	5	6	7	8	9	10	11	12
A	cal 1	331-1										
B		339-1									374-1	
C	negative blood	346-1									321-1	
D	193-1	349-1										
E	284-1	356-1								urine control		
F	306-1	359-1								neg urine		
G	326-1	370-1								361-2		
H	327-1									283-1		

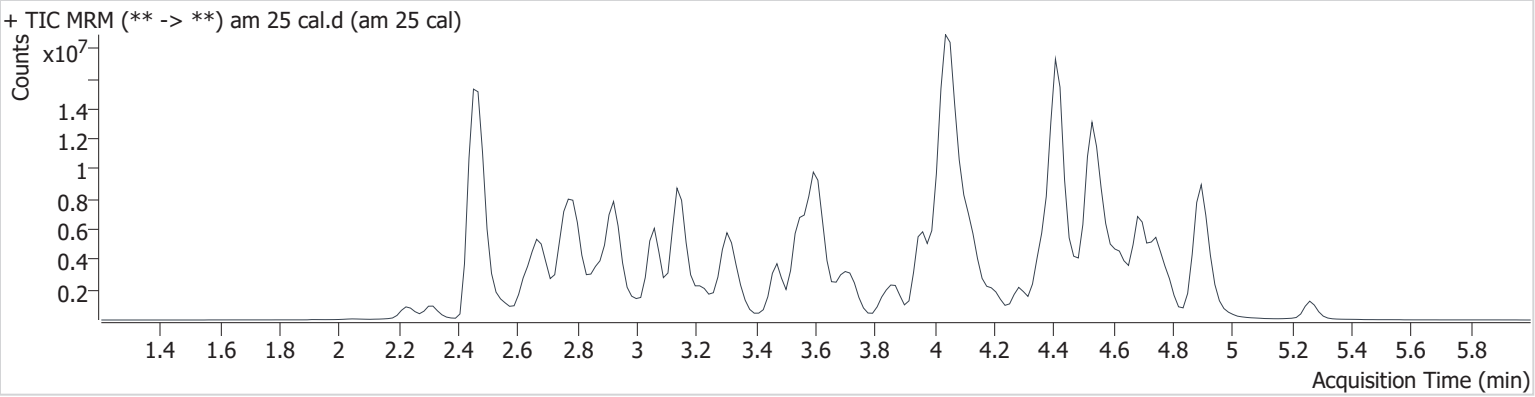
C2022-0___

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\mds.batch.bin
Calibration Last Update 2/25/2022 1:01:05 PM

Instrument	69679	**Data File**	am 25 cal.d
Type	Cal	**Sample**	am 25 cal
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-A1	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	2/24/2022 2:34:40 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.043	43667	14053.0	334.3	1512974	10.000
7-aminoclonazepam	3.355	648050	2257.8	365.1	2564163	10.000
7-aminoflunitrazepam	3.584	1020221	1617.3	664.1	2564163	10.000
Acetyl Fentanyl	4.316	287714	107.9	5445.2	21593966	10.000
Acetyl Norfentanyl	2.671	258634	1582.9	441.9	21593966	10.000
a-hydroxyalprazolam	4.378	327002	∞	∞	2564163	10.000
alpha-hydroxymidazolam	4.469	2199671	1111.0	18644.0	2564163	10.000
alpha-PHP	4.017	2087634	1520.1	622.3	8386020	10.000
alpha-PVP	3.697	3169963	1657.7	691.1	8386020	10.000
Alprazolam	4.489	1437996	227.4	432.2	12435049	10.000
Amitriptyline	4.615	824442	164.4	165.9	4549287	10.000
Amphetamine	2.677	3242814	968.1	1402.9	8386020	10.000
Benzoylecgonine	3.123	84255	181.6	31.9	160577	10.000
Brompheniramine	4.071	75709	164.1	59.2	40464877	10.000
Buprenorphine	5.273	132332	35972.8	245.4	3040281	10.000
Bupropion	4.018	2961142	547.7	2174.2	12491910	10.000
Carbamazepine	4.064	4505110	∞	5673.8	92890	10.000
Carisoprodol	4.047	758329	1462.7	95.4	4093001	10.000
Chlordiazepoxide	4.613	647621	555.6	536.6	12435049	10.000
Chlorpheniramine	3.968	4422378	82828.5	65.1	40464877	10.000
Citalopram	4.054	1991005	1435.4	275736.9	40464877	10.000
Clomimpramine	4.885	1326406	673.7	212.9	6350187	10.000
Clonazepam	4.286	880473	3081.9	2661.8	12435049	10.000
Clonazolam	4.221	955760	305895.6	138438.3	12435049	10.000
Cocaethylene	3.840	2945707	1690.2	28145.7	40464877	10.000
Cocaine	3.627	3877088	50486.9	320.5	22579329	10.000
Codeine	3.000	421772	76.8	547.6	209771	10.000
Cyclobenzaprine	4.477	2045035	639.1	124.1	4549287	10.000
Desipramine	4.370	2774520	1085930.5	2137.6	4549287	10.000
Dextromethorphan	4.138	1492047	1407.9	1060.6	8122126	10.000
Dextrorphan	3.296	1779032	251.6	132.4	8122126	10.000
Diazepam	4.736	792353	763.5	305.9	12435049	10.000
Dihydrocodeine	2.725	928738	756.0	215.4	2384948	10.000
Diphenhydramine	4.063	6148784	692.6	653.3	40464877	10.000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.291	1428827	521.2	88.7	16633774	10.000
Doxylamine	3.585	6458236	9031.7	359.0	8122126	10.000
EDDP	4.014	1091914	257.7	130.7	2384948	10.000
Estazolam	4.398	3194009	960.4	483.6	12435049	10.000
Etizolam	4.515	142389	49569.0	231713.0	12435049	10.000
Fentanyl	4.546	207731	73.8	1017.8	13153765	10.000
Flualprazolam	4.347	564029	321383.8	372.8	12435049	10.000
Flunitrazepam	4.426	1647268	887.8	1125.7	12435049	10.000
Fluoxetine	4.287	1484569	8580.8	73940.1	2762704	10.000
Flurazepam	4.559	2340616	1854717.6	135712.2	12435049	10.000
Hydrocodone	3.291	1006265	156.6	156.0	6767232	10.000
Hydromorphone	2.561	1073689	385.9	826.2	209771	10.000
Imipramine	4.538	3449345	541.8	503.7	4549287	10.000
Ketamine	4.003	2214007	1036.3	91.3	16955773	10.000
Lamotrigine	3.434	211176	4208.9	1437.2	40464877	10.000
Levamisole	3.131	1591853	931.9	251.9	8122126	10.000
Levetireacetam	2.310	773212	500.1	2206.0	6350187	10.000
Lorazepam	4.285	208336	∞	311.4	12435049	10.000
Maprotiline	4.615	468183	480.6	230.4	4549287	10.000
MDA	2.796	2215516	1819.5	151.9	20550229	10.000
MDEA	3.069	2896134	533.2	556.5	20550229	10.000
MDMA	2.902	3567898	682.0	520.7	20550229	10.000
Meperidine	3.695	1852784	223.7	668.8	8122126	10.000
Meprobamate	3.437	405257	287.7	63.0	4093001	10.000
Methadone	4.395	3567456	397.6	947.4	2384948	10.000
Methamphetamine	2.798	5354046	∞	∞	20550229	10.000
Methocarbamol	3.343	166492	928.1	309.3	2384948	10.000
Methylphenidate	3.482	6654877	2406.8	2189.7	16955773	10.000
Metoprolol	3.295	498105	231.0	1160.4	8122126	10.000
Midazolam	4.670	444643	1720.5	109388.6	12435049	10.000
Mirtazapine	4.570	2488205	1215.8	1291.2	8122126	10.000
Mitragynine	4.543	351948	104452.1	5086.5	8122126	10.000
Morphine	2.319	257851	1448.6	10098.1	209771	10.000
Norbuprenorphine	3.821	65057	423.1	19587.8	209771	10.000
Nordiazepam	4.570	760214	5951.7	415.0	12435049	10.000
Norfentanyl	3.160	4101369	1012.6	1149.2	21593966	10.000
Norhydrocodone	2.758	69134	142.1	72.5	6767232	10.000
norketamine	3.973	494089	1319.8	3430.2	16955773	10.000
Normeperidine	3.482	1943951	610.0	503.3	40464877	10.000
Noroxycodone	2.680	1584461	∞	736.1	10749672	10.000
Nortriptyline	4.416	1009698	359855.6	304.9	4549287	10.000
O-desmethyl-tramadol	2.700	5040695	2196.0	361.6	40464877	10.000
Olanzapine	4.118	1288359	784.0	1132.6	92890	10.000
Oxazepam	4.367	1199987	262.7	287.9	4820297	10.000
Oxycodone	2.922	2109587	391.5	747.6	10749672	10.000
Oxymorphone	2.226	1434218	154.2	250.0	209771	10.000
Paroxetine	4.346	299006	189.7	633.4	2762704	10.000
Phenazepam	4.515	1195241	1085.4	513.1	12435049	10.000
Phencyclidine	3.879	3280822	7133.9	146.5	8122126	10.000
Phentermine	2.949	50455	307.4	∞	16955773	10.000
Phenytoin	3.955	156825	10694.3	50.3	92890	10.000
Promethazine	4.645	4308661	1190.3	419.8	40464877	10.000
Pseudoephedrine	2.477	51308326	22715.7	2179.9	20550229	10.000
Quetiapine	4.743	3724588	1322.1	2028091.5	30231019	10.000
Sertraline	4.642	494524	607.3	620.3	2762704	10.000
Sufentanil	4.956	155510	1350.5	84.7	21593966	10.000
Tapentadol	3.314	3255285	10070.8	532.5	2384948	10.000
Temazepam	4.536	2381311	395.7	75.8	12435049	10.000
Tramadol	3.311	5153499	1252.0	122.5	40464877	10.000

AM #25 Multi-Drug Screen Results

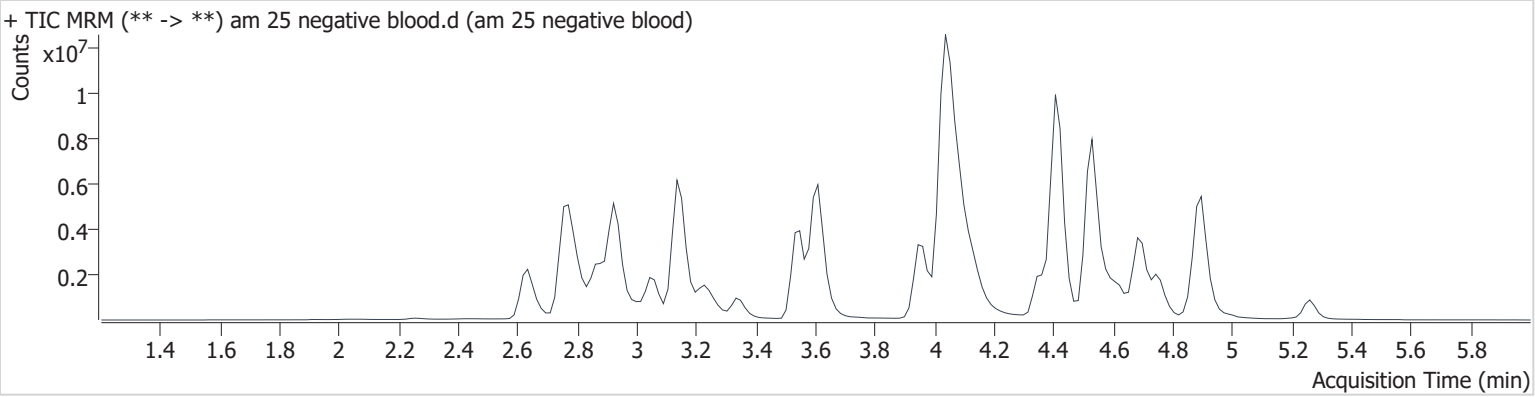
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Trazodone	4.911	3516072	1524.9	78011.0	16633774	10.000
Venlafaxine	3.737	4270665	14937.4	134.7	2762704	10.000
Zaleplon	4.196	1314538	3201.6	896.2	30231019	10.000
Zolpidem	4.427	5957753	5487.5	1891.8	30231019	10.000
Zopiclone	4.420	593515	1714913.0	∞	3091342	10.000

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\mds.batch.bin
Calibration Last Update 2/25/2022 1:01:05 PM

Instrument	69679	**Data File**	am 25 negative blood.d
Type	Sample	**Sample**	am 25 negative blood
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-C1	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	2/24/2022 2:45:15 PM		
Sample Info.			

Sample Chromatogram

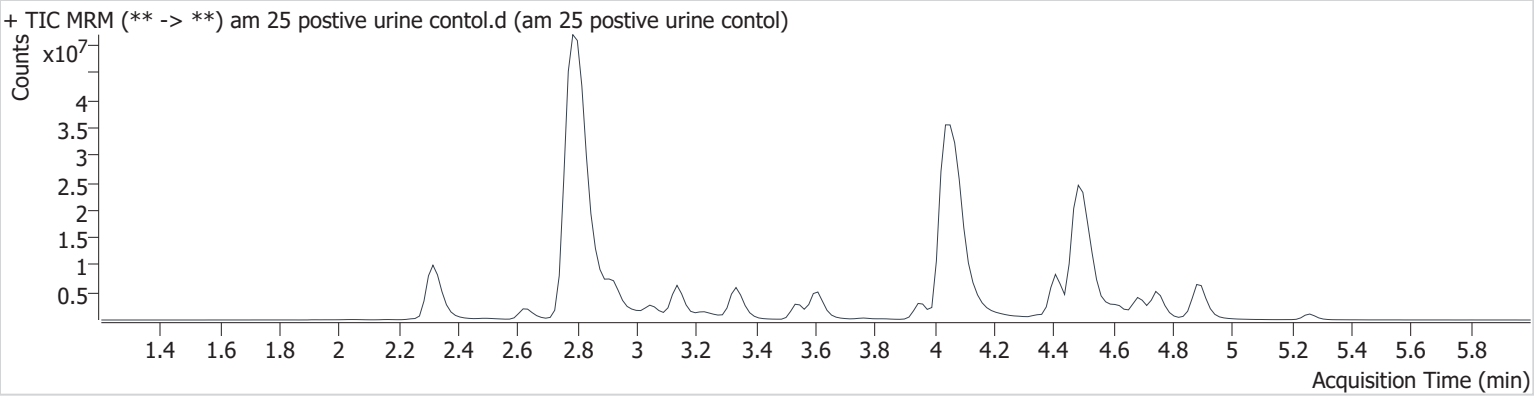


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\mds.batch.bin
Calibration Last Update 2/25/2022 1:01:05 PM

Instrument	69679	**Data File**	am 25 postive urine contol.d
Type	Sample	**Sample**	am 25 postive urine contol
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-E10	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	2/24/2022 4:05:46 PM		
Sample Info.			

Sample Chromatogram



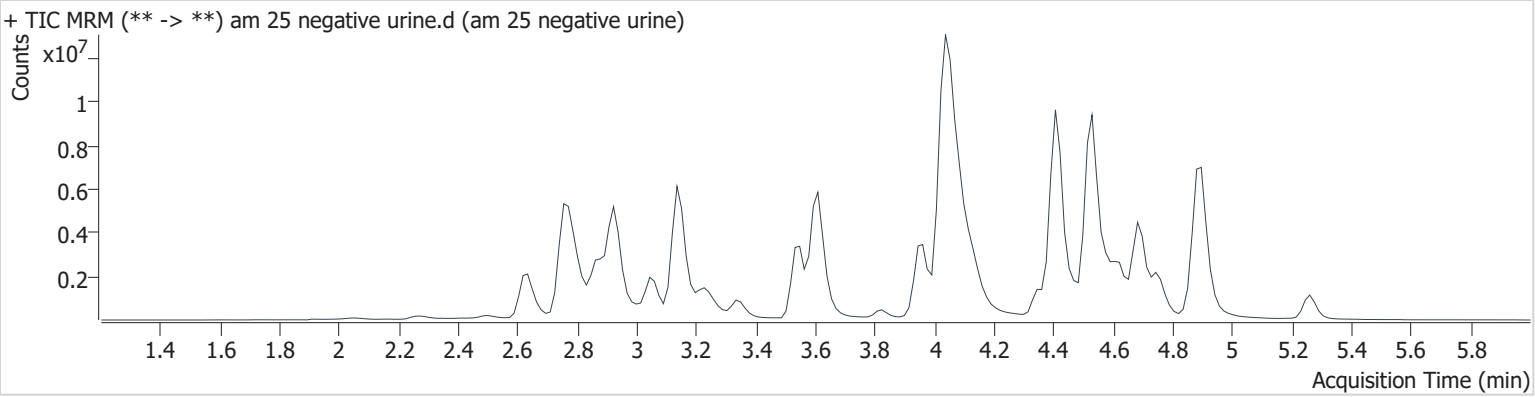
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.489	46262064	1034.7	848.3	8133045	491.883
Diphenhydramine	4.063	90758153	311.6	3444.5	29211339	204.467
Methamphetamine	2.830	91187831	∞	443808.4	14181911	246.795
Methocarbamol	3.343	8722820	10962.1	10997.7	2026885	616.470
Morphine	2.319	10380880	∞	16451.7	166573	506.999

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\mds.batch.bin
Calibration Last Update 2/25/2022 1:01:05 PM

Instrument	69679	**Data File**	am 25 negative urine.d
Type	Sample	**Sample**	am 25 negative urine
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-F10	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	2/24/2022 4:12:28 PM		
Sample Info.			

Sample Chromatogram



AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS

Extraction Date: 2/24/22 Analyst: Anne Nord

Plate lot#: 211018 Plate retest date: 4/18/22

Mobile phase A: 10mM Ammonium Formate 0.1% Formic Acid in Water **Mobile phase B:** 0.1% Formic acid in MeOH MTBE Hexane
Blank Blood Lot: 22B52020 **Urine Blank:** 21522 **Column**: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)
LCMS-QQQ ID: 69679

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 1.5 ml urine to blank plate, add 250 ul 1N KOH mix and incubate at 40 degrees for 15 minutes.
Pipette **1000 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: K52558g**
Pipette 1000 ul urine to analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 4. Pipette **500 µL 0.1% formic acid in blood** wells **500 ul saturated phosphate buffer in urine** wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer 8**00 µL of blood acid or urine 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: 66792
☒ 8. Wait 5 minutes.
☒ 9. Add **2.25 mL MTBE** (add in 3 increments of 750 µL).
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **2.25 mL hexane** (add in 3 increments of 750 µL).
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
☒ 16. Reconstitute in **100 µL 100% LCMS MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

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

COMMENTS: *Only the blood samples were evaluated in this run, The negative urine control did not get injected.*

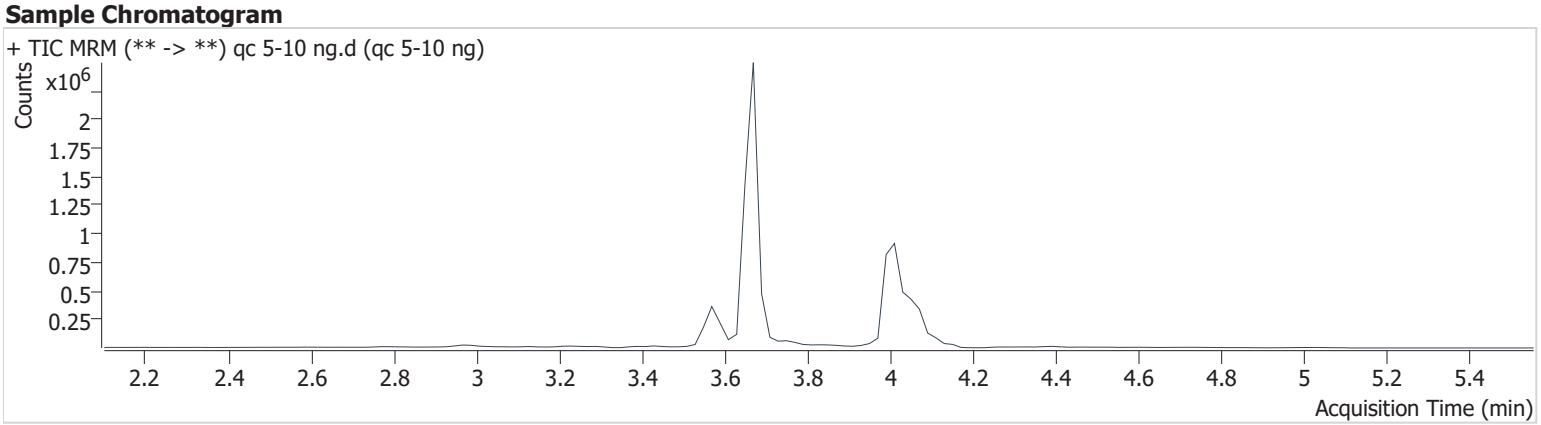
	1	2	3	4	5	6
a	cal 1	Internal control (urine)	339-1	321-1		
b	cal 2	negative blood	346-1	361-2		
c	cal 3	193-1	349-1	374-1		
d	cal 4	284-1	356-1			
e	Cal 5	306-1	359-1			
f	cal 6	326-1	370-1			
g	cal 7	327-1	negative urine			
h	Internal control (blood)	331-1	283-1			

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

Instrument	69679	**Data File**	qc 5-10 ng.d
Type	QC	**Sample**	qc 5-10 ng
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-H1	**Comment**	
Injection Volume	5		Blood
Acq. Date-Time	2/24/2022 6:12:44 PM		
Sample Info.			

Sample Chromatogram



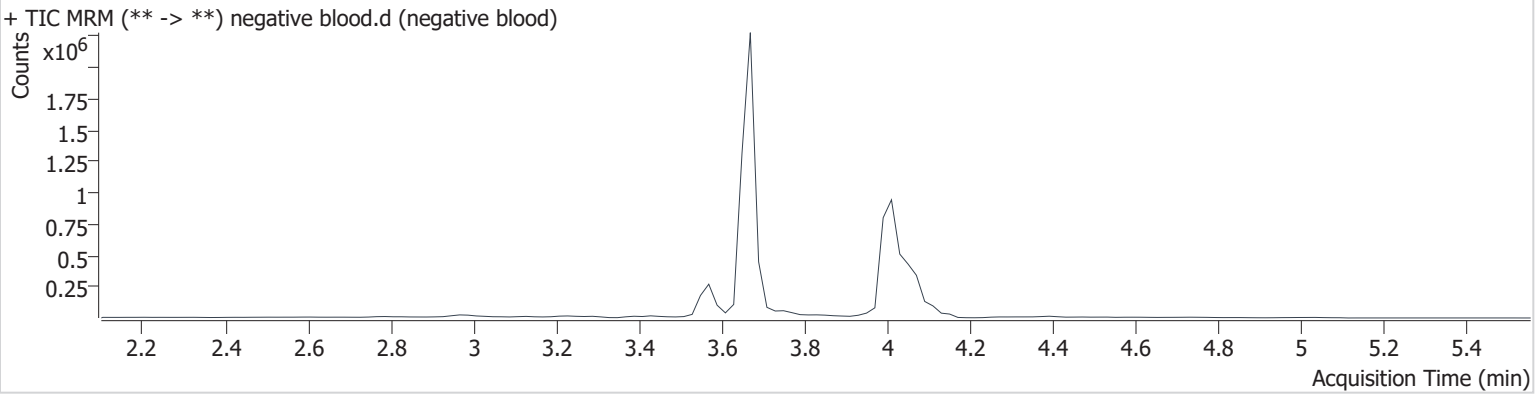
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.084	32013	768293	4.714 ng/ml
THC-COOH	3.592	129104	649392	17.360 ng/ml
THC-OH	3.679	45083	5159594	5.160 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

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**	
Injection Volume	5		
Acq. Date-Time	2/24/2022 6:19:20 PM		
Sample Info.			

Sample Chromatogram

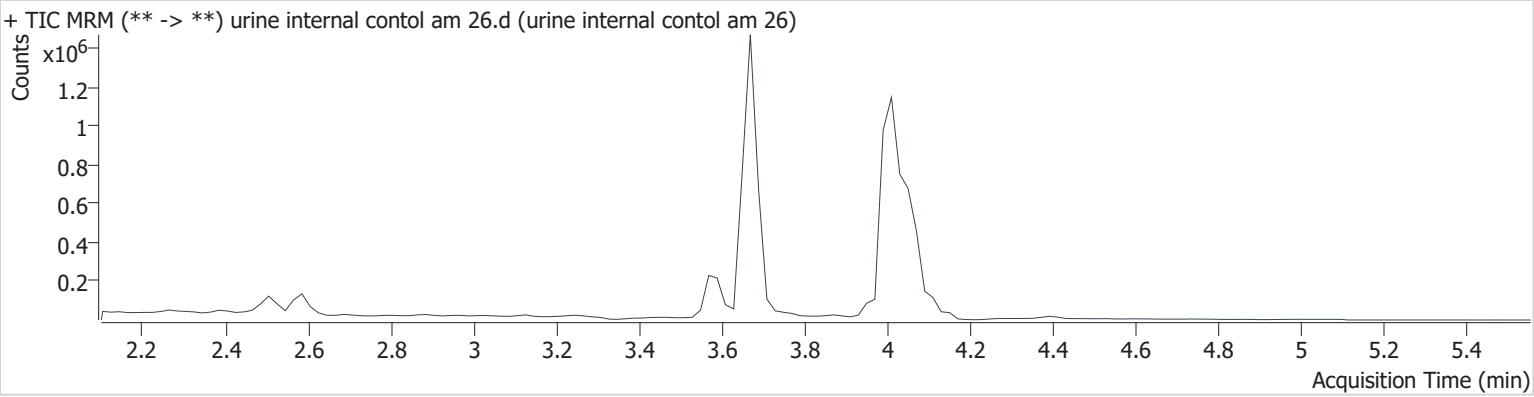


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

Instrument	69679	**Data File**	urine internal contol am 26.d
Type	Sample	**Sample**	urine internal contol am 26
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A2	**Comment**	internal 5/15
Injection Volume	5		
Acq. Date-Time	2/24/2022 7:31:49 PM		
Sample Info.			

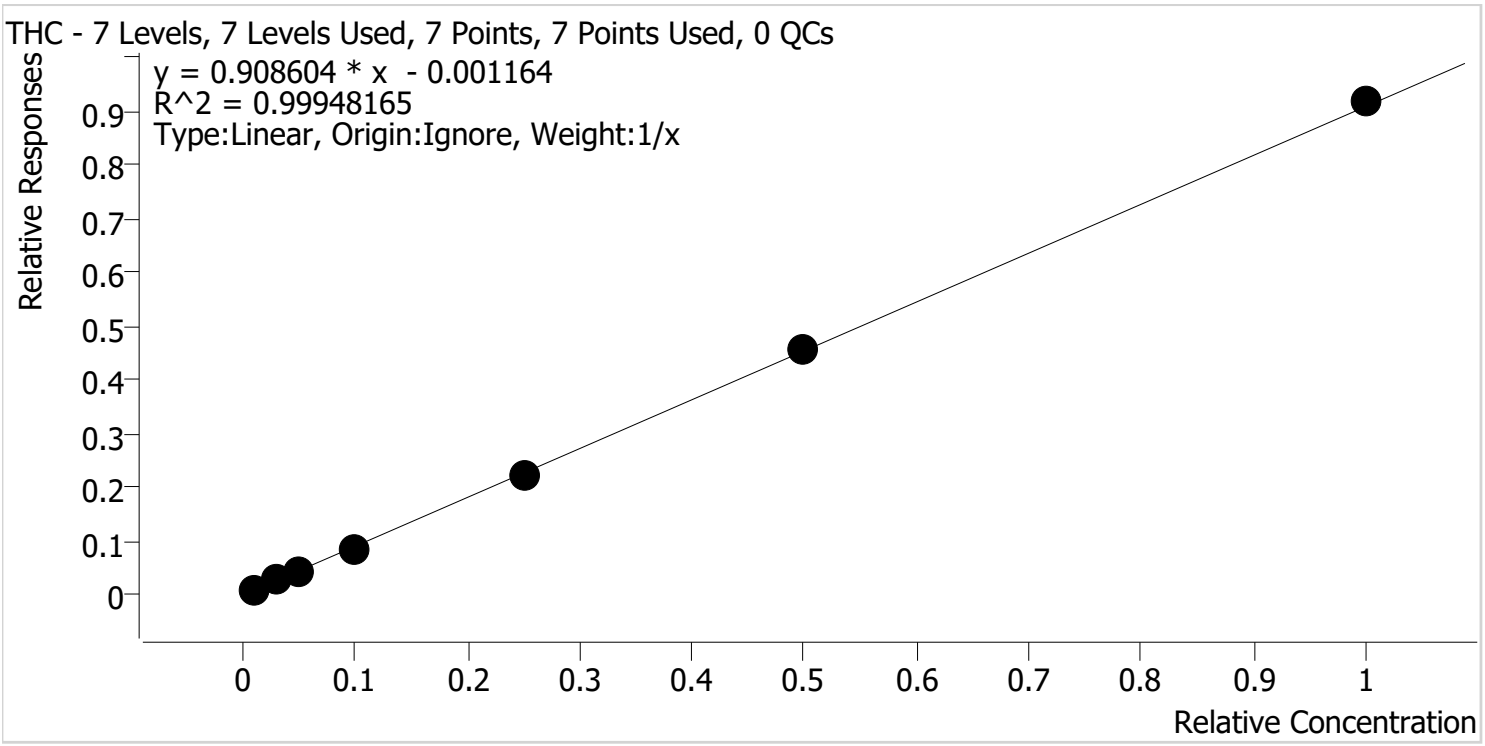
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	42983	1069884	4.550 ng/ml
THC-COOH	3.592	86612	413227	18.276 ng/ml
THC-OH	3.658	21901	3376061	3.868 ng/ml

Compound Calibration Report

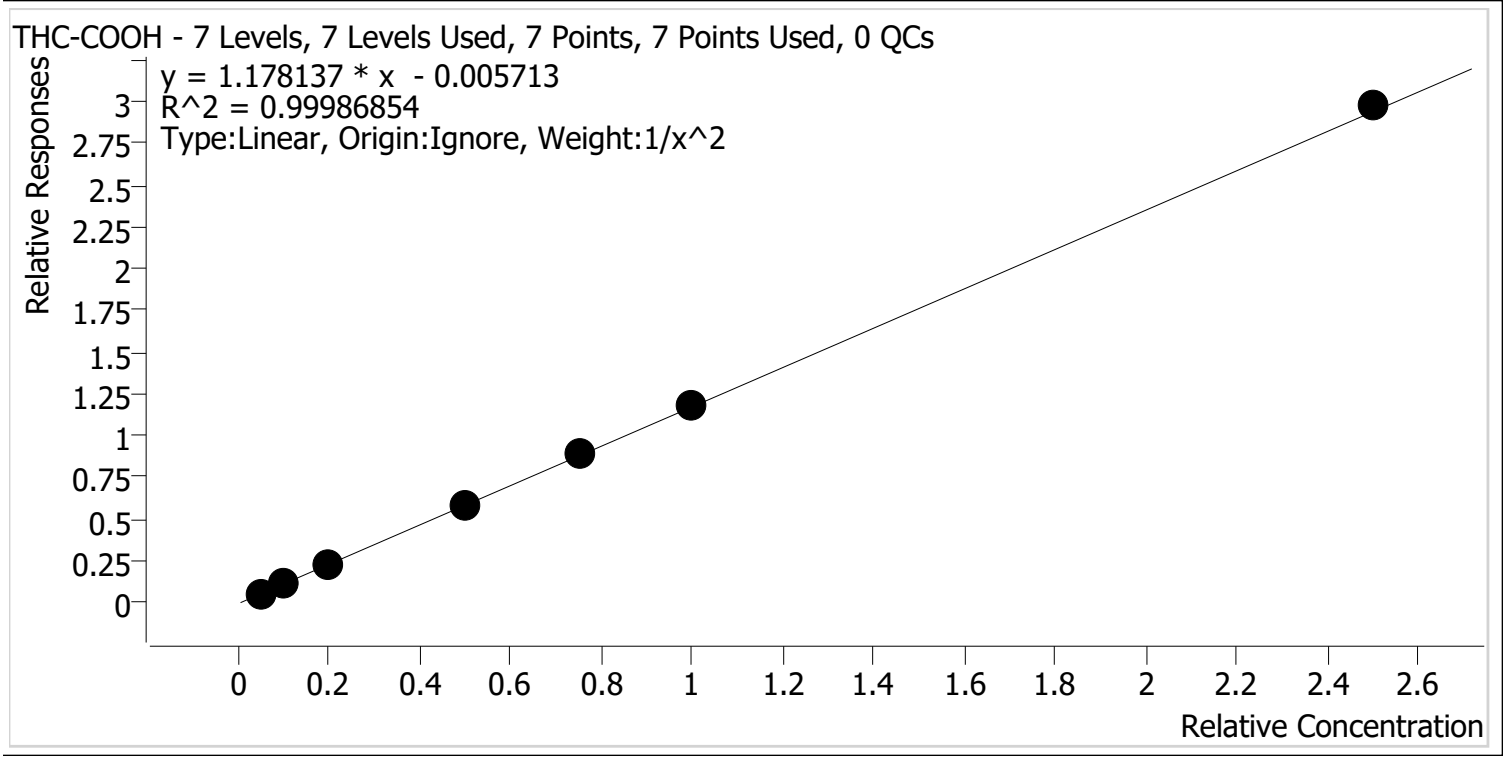
Batch results	D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Last Cal. Update	2/25/2022 12:52 PM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	111.8
cal 2	2	✔	3.0	2.9	97.4
cal 3	3	✔	5.0	4.9	98.1
cal 4	4	✔	10.0	9.3	92.6
cal 5	5	✔	25.0	24.7	98.8
cal-6	6	✔	50.0	50.1	100.2
cal-7	7	✔	100.0	101.0	101.0

Compound Calibration Report

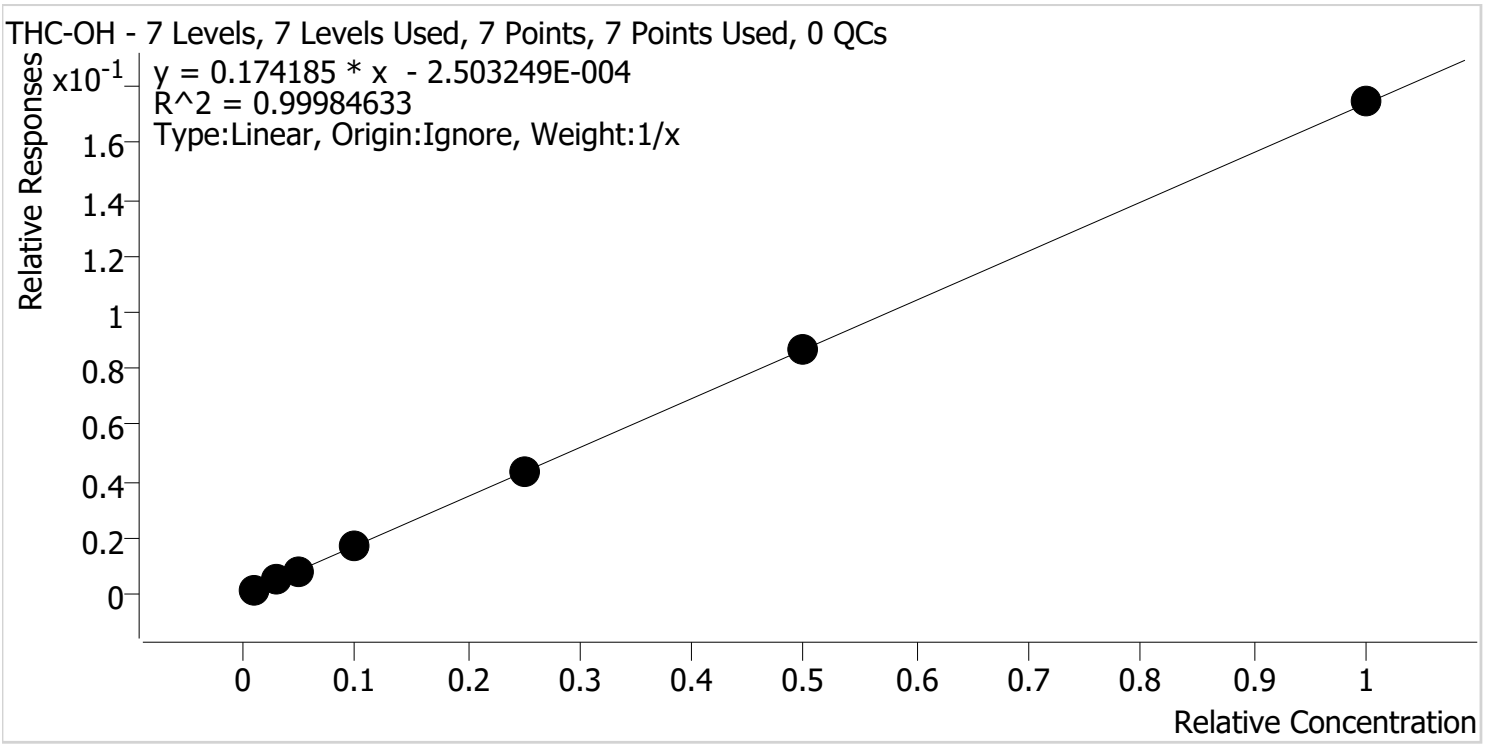
Batch results	D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Last Cal. Update	2/25/2022 12:52 PM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	5.0	5.0	100.6
cal 2	2	✔	10.0	9.9	99.2
cal 3	3	✔	20.0	19.9	99.4
cal 4	4	✔	50.0	49.3	98.6
cal 5	5	✔	75.0	75.4	100.5
cal-6	6	✔	100.0	100.5	100.5
cal-7	7	✔	250.0	253.1	101.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Last Cal. Update	2/25/2022 12:52 PM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



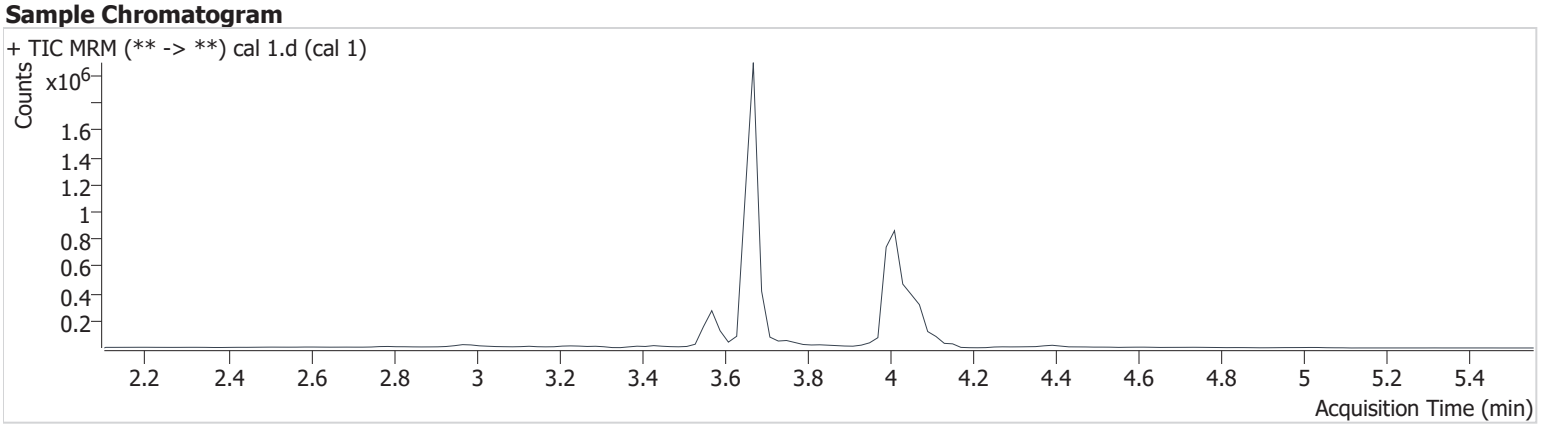
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	108.4
cal 2	2	✔	3.0	2.9	96.5
cal 3	3	✔	5.0	4.8	95.8
cal 4	4	✔	10.0	9.9	98.5
cal 5	5	✔	25.0	25.2	100.8
cal-6	6	✔	50.0	49.8	99.6
cal-7	7	✔	100.0	100.4	100.4

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

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**	
Injection Volume	5		
Acq. Date-Time	2/24/2022 5:26:25 PM		
Sample Info.			

Sample Chromatogram



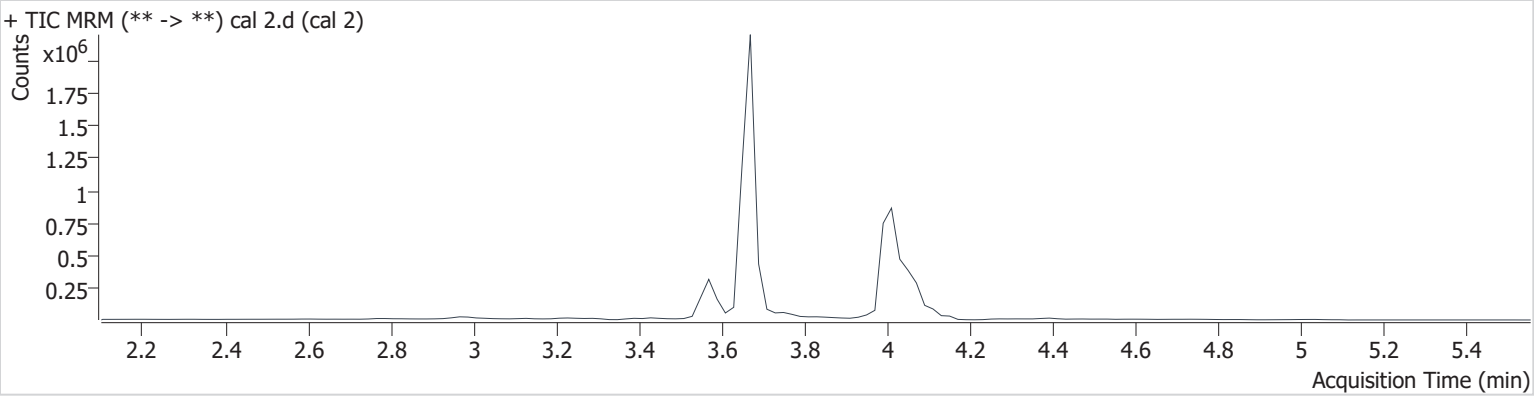
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.084	6658	740220	1.118 ng/ml **Low**
THC-COOH	3.592	32785	612149	5.031 ng/ml **Low**
THC-OH	3.679	7425	4535271	1.084 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

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**	
Injection Volume	5		
Acq. Date-Time	2/24/2022 5:33:03 PM		
Sample Info.			

Sample Chromatogram



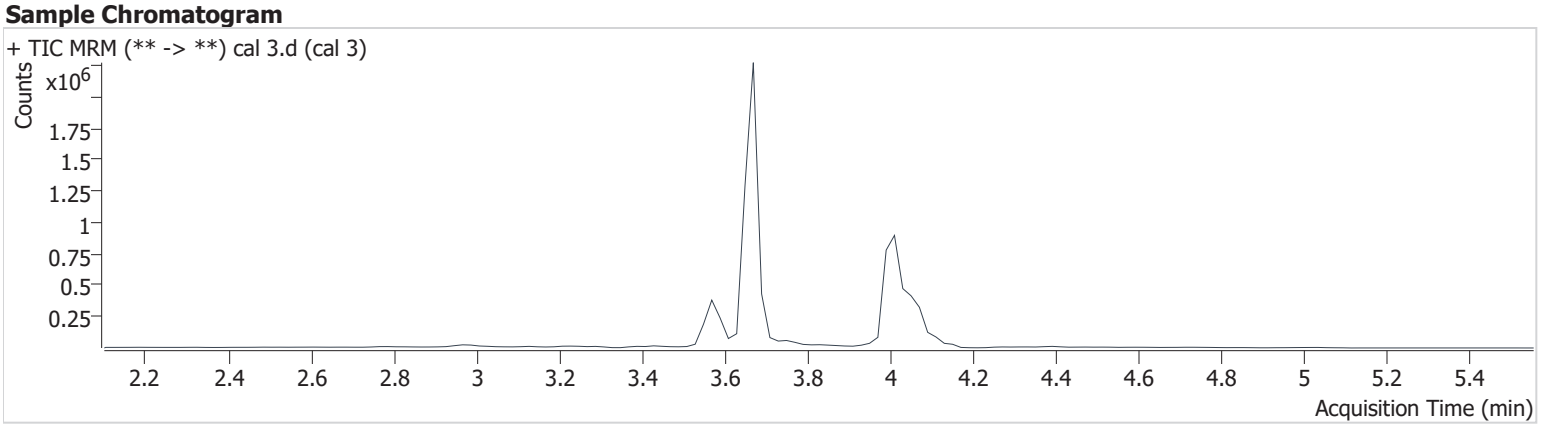
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	17246	679008	2.923 ng/ml **Low**
THC-COOH	3.592	71443	642711	9.920 ng/ml **Low**
THC-OH	3.679	22357	4663567	2.896 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

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**	
Injection Volume	5		
Acq. Date-Time	2/24/2022 5:39:39 PM		
Sample Info.			

Sample Chromatogram



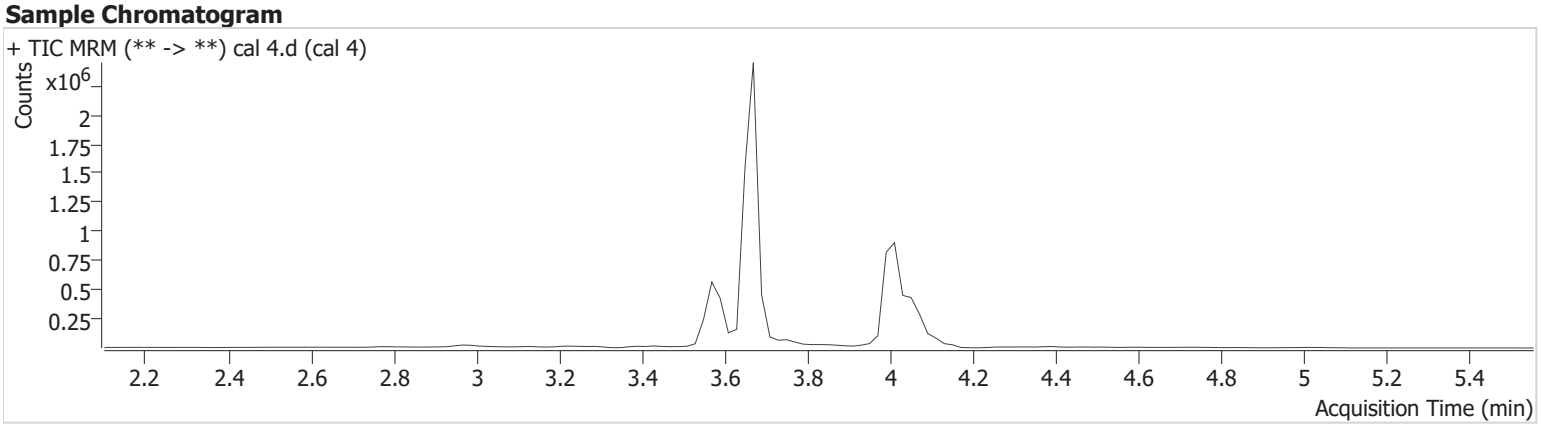
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	32552	749755	4.906 ng/ml
THC-COOH	3.592	149818	655986	19.870 ng/ml
THC-OH	3.679	38202	4720122	4.790 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

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**	
Injection Volume	5		
Acq. Date-Time	2/24/2022 5:46:17 PM		
Sample Info.			

Sample Chromatogram



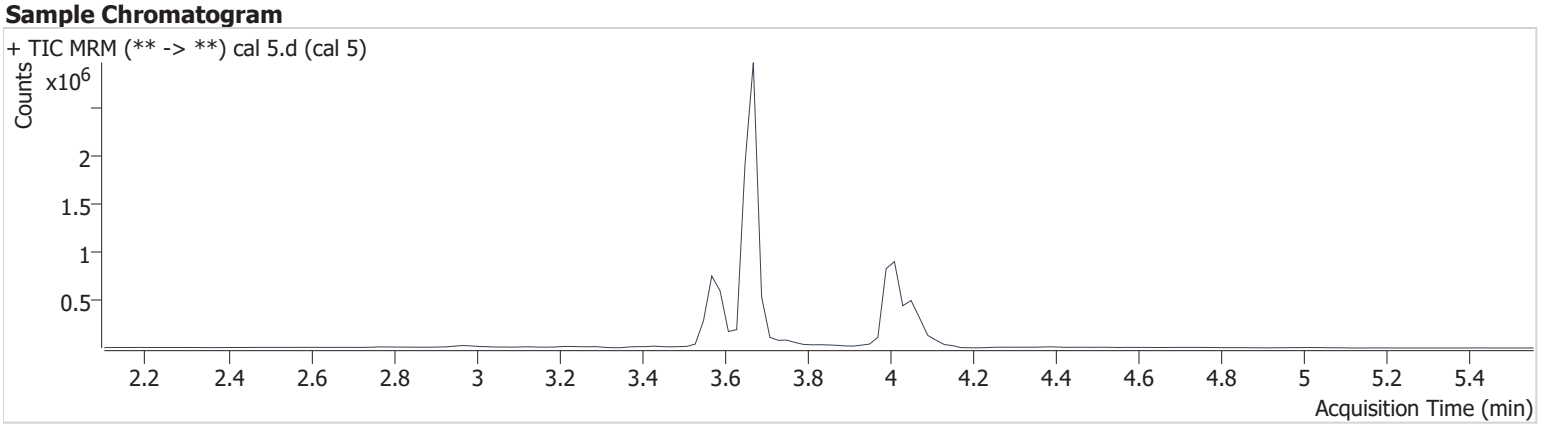
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	59262	714252	9.260 ng/ml
THC-COOH	3.572	370331	643748	49.314 ng/ml
THC-OH	3.679	82837	4897924	9.853 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

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**	
Injection Volume	5		
Acq. Date-Time	2/24/2022 5:52:56 PM		
Sample Info.			

Sample Chromatogram



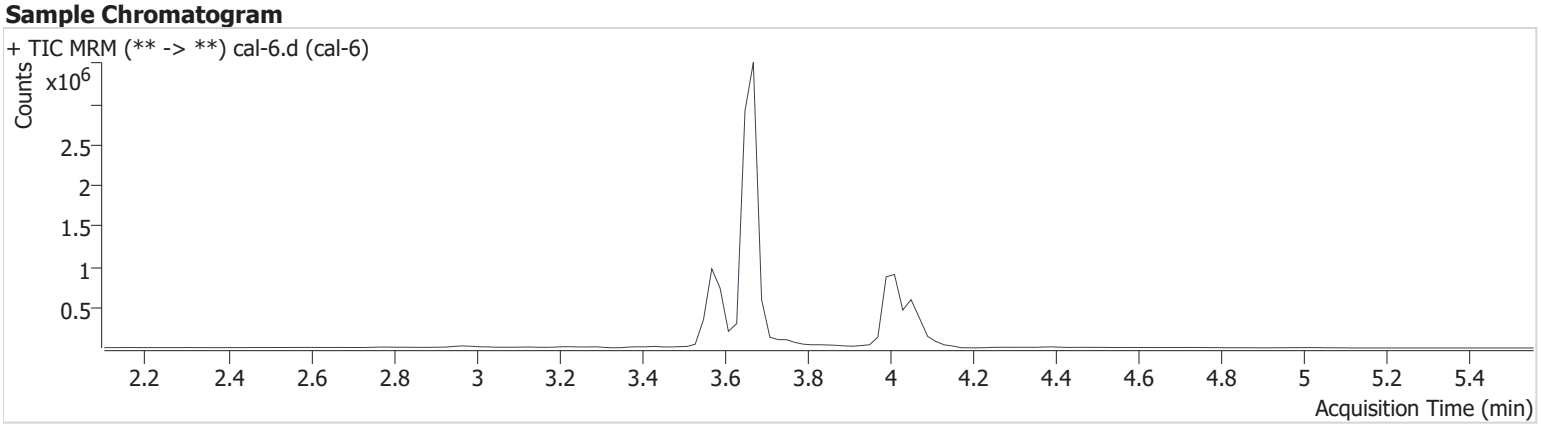
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	159563	714590	24.703 ng/ml
THC-COOH	3.572	571351	647667	75.363 ng/ml
THC-OH	3.679	213029	4881187	25.199 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

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**	
Injection Volume	5		
Acq. Date-Time	2/24/2022 5:59:32 PM		
Sample Info.			

Sample Chromatogram



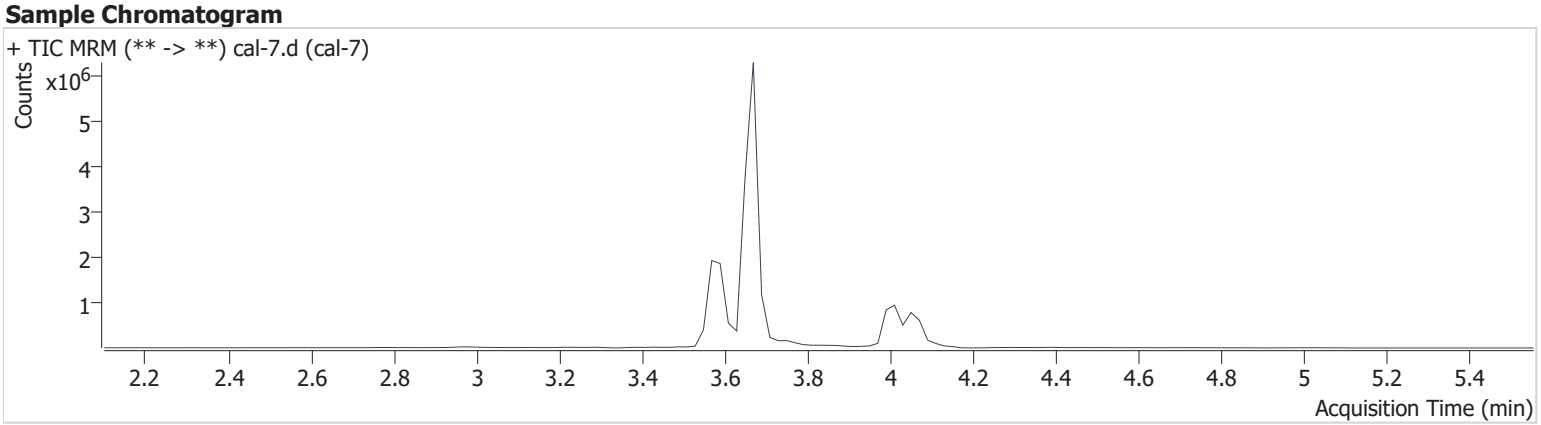
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	327725	721544	50.117 ng/ml
THC-COOH	3.572	775685	658350	100.493 ng/ml
THC-OH	3.679	427251	4939795	49.799 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\am 25-26\022422\QuantResults\cann.batch.bin
Calibration Last Update 2/25/2022 12:52:51 PM

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**	
Injection Volume	5		
Acq. Date-Time	2/24/2022 6:06:08 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	713891	779125	100.972 ng/ml
THC-COOH	3.572	1922715	646135	253.063 ng/ml
THC-OH	3.679	921720	5279187	100.379 ng/ml