



















REVIEWED

By Brittany Wylie at 9:26 am, Aug 14, 2024

Worklist: 6894

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2024-1392	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1392	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1393	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1394	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1398	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1412	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1421	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-1422	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-1429	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1436	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1447	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1453	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1466	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1468	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1508	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1568	2	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: 08/12/24

Plate lot#: 240524

Mobile phase A: 10mM Amm Form

Blank Blood Lot: 24C52042

LCMS-QQQ ID: 69679

Analyst: Anne Nord

Plate Retest Date: 11/24/2024

Mobile phase B: 0.1% Formic Acid in MeOH

Blank Urine Lot: 6524

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: 390993
- ☒ 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: 250
- ☒ 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: 75401
- ☒ 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:

				row 4 mixing plate, row 5 injection plate	row 5 mixing plate, row 6 injection plate	row 6 mixing plate, row 7 injection plate				10		12
A					1393-1	1468-1				1421-1		
B					1394-1	1508-1				1422-1		
C					1398-3	1568-2						
D					1412-1	negative urine						
E				negative blood mixing	1429-1	negative blood SLE and injection						
F				1447-1	1436-1							internal urine control
G				1392-1	1453-4							
H				1392-2	1466-1							cal 1

C2024-____-__

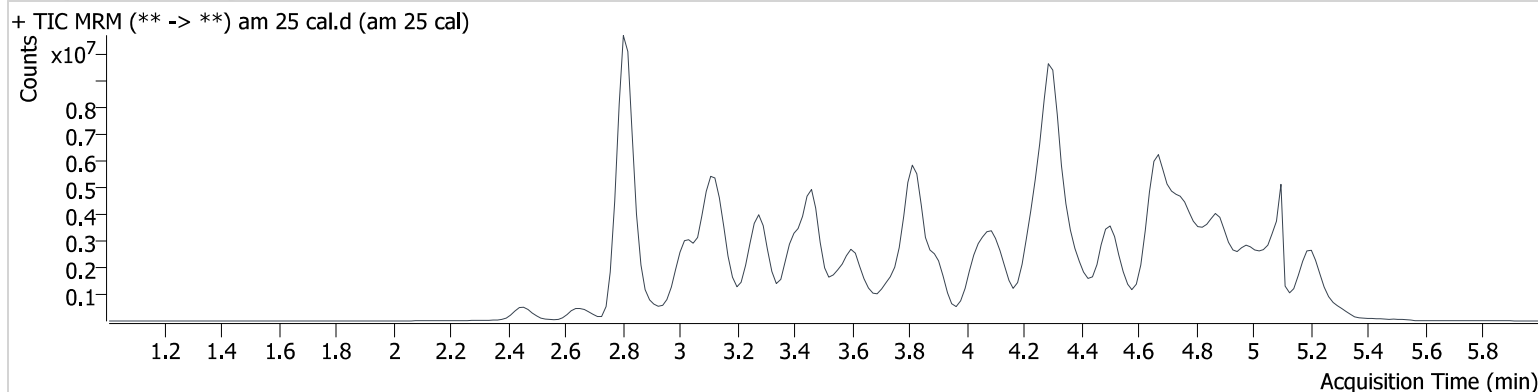
plate position 2

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 25.batch.bin
Calibration Last Update 8/13/2024 8:37:32 AM

Instrument	69679	Data File	am 25 cal.d
Type	Cal	Sample	am 25 cal
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-H12	Comment	
Injection Volume	2.5		
Acq. Date-Time	8/12/2024 3:48:32 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.911	785281	1957.3	70.4	780375	10.000
6-MAM	3.197	24048	5964.4	191.6	717654	10.000
7-aminoclonazepam	3.661	406474	∞	137670.7	1872916	10.000
7-aminoflunitrazepam	3.892	797954	127534.2	690.0	1872916	10.000
9-Hydroxyrisperidone	4.253	2879838	736035.8	26269.9	1872916	10.000
Acetyl Fentanyl	4.274	181576	1023.9	34559.1	3657868	10.000
Acetyl Norfentanyl	2.992	66051	268.5	284.6	15356912	10.000
a-hydroxyalprazolam	4.764	51241	∞	3407.7	780375	10.000
alpha-hydroxymidazolam	4.824	617255	166684.0	621.3	3835530	10.000
alpha-PHP	4.096	1478922	54620.9	200.7	4301646	10.000
alpha-PVP	3.790	1980862	424.1	579.7	4301646	10.000
Alprazolam	4.843	679309	162.4	368.7	3835530	10.000
Amitriptyline	4.817	1125436	758.8	1391.8	4368364	10.000
Amphetamine	3.043	1713083	554.8	987.2	4301646	10.000
Benzoylcegonine	3.492	48737	∞	3393.8	195975	10.000
Bromazepam	4.914	568800	1630.8	98442.8	3835530	10.000
Brompheniramine	4.366	56487	13232.8	1204.5	30843868	10.000
Buprenorphine	5.337	4665	2014.4	79.5	1523896	10.000
Bupropion	4.112	1875447	512.2	∞	7327755	10.000
Carbamazepine	4.421	3477459	888.4	895.5	3746976	10.000
Carisoprodol	4.357	466846	304.6	50.1	2658421	10.000
Chlordiazepoxide	5.028	299542	∞	∞	3835530	10.000
Chlorpheniramine	4.232	3065765	∞	9890.3	30843868	10.000
Chlorpromazine	5.086	1186338	1373.1	145708.8	6670722	10.000
Citalopram	4.396	1518229	415.6	299.9	30843868	10.000
Clomipramine	5.071	1631066	743.0	766.1	3667911	10.000
Clonazepam	4.689	162248	89.7	15720.7	780375	10.000
Clonazepam	4.577	155192	99999.3	12372.7	780375	10.000
clozapine	4.870	2396249	2370006.1	571368.0	9128030	10.000
Cocaehtylene	4.044	1982173	301152.3	562.4	10891587	10.000
Cocaine	3.829	2354976	656.7	254436.5	10891587	10.000
Codeine	3.139	199380	530.0	616.1	3746976	10.000
Cyclobenzaprine	4.710	1645555	1581.6	98.2	4368364	10.000
Desipramine	4.726	3156422	849718.3	1052.4	4368364	10.000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextromethorphan	4.356	1130647	202900.0	528899.4	5526239	10.000
Dextrorphan	3.557	1366766	3114.0	139778.6	4301646	10.000
Diazepam	5.106	486315	254.5	709.6	3835530	10.000
Dihydrocodeine	2.909	586374	336.9	955.5	3746976	10.000
Dimethyltryptamine	3.132	941435	84.8	20965.1	4301646	10.000
Diphenhydramine	4.311	3996090	5094.5	549.2	30843868	10.000
Doxepin	4.509	1077918	3709.1	164.2	9128030	10.000
Doxylamine	3.832	3879564	338.3	763.0	4301646	10.000
Duloxetine	4.677	52714	10567.1	2142.5	3667911	10.000
EDDP	4.325	114013	80740.0	83.7	568773	10.000
Estazolam	4.754	1323689	490.9	118050.6	3835530	10.000
Etizolam	4.824	65734	23307.9	130.1	3835530	10.000
Fentanyl	4.502	149202	348.3	90.1	9788576	10.000
Flualprazolam	4.672	257435	67092.7	691.9	3835530	10.000
Flunitrazepam	4.797	553662	946.2	4827.7	780375	10.000
Fluorofentanyl	4.562	136273	37407.3	4903.3	9788576	10.000
Fluoxetine	4.629	1465395	3597.2	27678.2	3667911	10.000
Flurazepam	4.591	1256707	337604.7	69354.1	1523896	10.000
Hydrocodone	3.337	699792	766.8	292.8	3746976	10.000
Hydromorphone	2.669	505290	7515.5	13916.1	97595	10.000
hydroxyzine	4.989	2028765	1457373.1	5831.7	9128030	10.000
Imipramine	4.770	3091684	8612.1	∞	4368364	10.000
Ketamine	4.036	1440809	9430.2	29.8	4987258	10.000
Lamotrigine	3.772	1220460	1930.6	4614.6	4301646	10.000
Levamisole	3.269	1061890	351.8	351.9	10891587	10.000
Levetiracetam	2.645	506630	310.9	669.6	1872916	10.000
Lorazepam	4.658	24854	1502798007955 18.0	131.6	780375	10.000
Maprotiline	4.740	428997	5463.2	268.6	4368364	10.000
MDA	3.163	1454376	421.4	119.9	10378910	10.000
MDEA	3.407	1970400	239.2	6366.8	10378910	10.000
MDMA	3.239	2162983	875.2	563.0	10378910	10.000
Meperidine	3.850	1099791	874.8	476946.3	97595	10.000
Meprobamate	3.760	126376	46440.0	4.1 Low	2658421	10.000
Methadone	4.690	2516915	445.2	420.6	3657868	10.000
Methamphetamine	3.133	1269381	10528.6	∞	10378910	10.000
Methocarbamol	3.727	130257	360.8	43646.0	3746976	10.000
Methylphenidate	3.728	3953731	5222.0	5834.2	10294177	10.000
Metoprolol	3.602	344733	1887.8	158226.8	4301646	10.000
Midazolam	4.993	283568	84559.5	73096.8	1872916	10.000
Mirtazapine	4.527	1512202	2182.0	2340.9	1523896	10.000
Mitragynine	4.591	151079	37099.9	94473.2	9788576	10.000
Morphine	2.473	170274	∞	287.5	97595	10.000
Norbuprenorphine	4.054	42000	7624.7	10546.1	1523896	10.000
Nordiazepam	4.970	248740	89.4	339.1	3835530	10.000
Norfentanyl	3.483	3205557	1198.9	189.6	15356912	10.000
Norhydrocodone	3.079	27554	19518.3	20.2	3746976	10.000
norketamine	4.113	255330	112.6	239326.9	4987258	10.000
Normeperidine	3.806	1312149	2741.7	2504.0	97595	10.000
Noroxycodone	3.031	792527	75.0	68.8	3746976	10.000
Nortriptyline	4.757	1136973	842.8	336.6	3667911	10.000
O-desmethyl-tramadol	3.021	3120976	504.7	174.1	3657868	10.000
O-Desmethylvenlafaxine	3.402	829409	∞	36990.9	3657868	10.000
Olanzapine	4.182	253573	41220.0	17771.7	3667911	10.000
Oxazepam	4.770	109507	∞	∞	780375	10.000
Oxycodone	3.152	1102836	354.7	765.4	4987258	10.000
Oxymorphone	2.439	703273	429.5	8404.9	97595	10.000
Paroxetine	4.671	265331	15921.6	3260.6	3667911	10.000
Phenazepam	4.884	338691	2341.7	50883.0	3835530	10.000
Phencyclidine	4.143	2170838	586.1	2383.3	3657868	10.000



AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phentermine	3.302	789171	∞	15.0	10294177	10.000
Phenytoin	4.296	102955	248.5	∞	50878	10.000
primidone	3.561	1633779	243198.6	200.7	15356912	10.000
Promethazine	4.755	3412282	23881.5	1313.7	4368364	10.000
Pseudoephedrine	2.812	40080280	910.8	796.7	10294177	10.000
Quetiapine	5.004	2528834	1639915.8	196243.5	3667911	10.000
Risperidone	4.483	2379366	409288.5	86648.0	30843868	10.000
Sertraline	4.966	727160	351303.3	∞	3667911	10.000
Sufentanil	4.973	116643	23409.0	8289.9	9788576	10.000
Tapentadol	3.622	2273571	81134.7	718.1	4987258	10.000
Temazepam	4.921	799474	110.7	37.8	3835530	10.000
Topiramate	3.964	86374	18063.9	22653.3	49173	10.000
Tramadol	3.602	6257548	∞	75.7	717654	10.000
Trazodone	5.218	2517584	496840.4	368262.0	10340627	10.000
Venlafaxine	4.032	2957544	2033.3	149.0	3657868	10.000
Xylazine	3.561	152442	∞	110124.7	3657868	10.000
Zaleplon	4.553	549397	130854.9	78495.8	780375	10.000
Zolpidem	4.676	3278715	557448.0	298755.4	15547035	10.000
Zopiclone	4.698	257919	4267468.3	∞	1650369	10.000

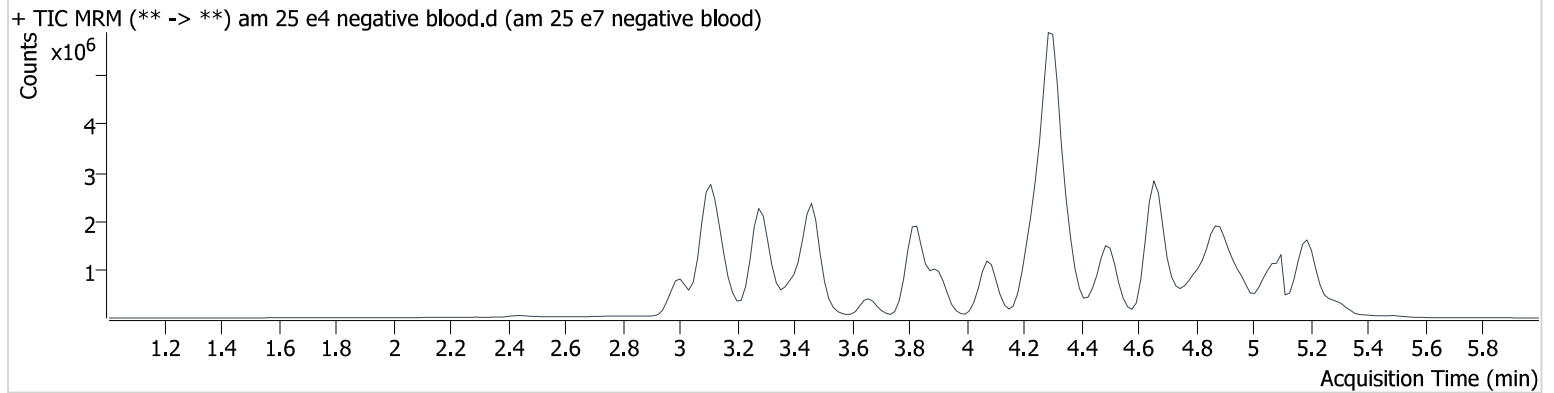
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AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 25.batch.bin
Calibration Last Update 8/13/2024 8:37:32 AM

Instrument	69679	Data File	am 25 e4 negative blood.d
Type	Sample	Sample	am 25 e7 negative blood
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-E7	Comment	
Injection Volume	2.5		
Acq. Date-Time	8/12/2024 4:02:11 PM		
Sample Info.			

Sample Chromatogram

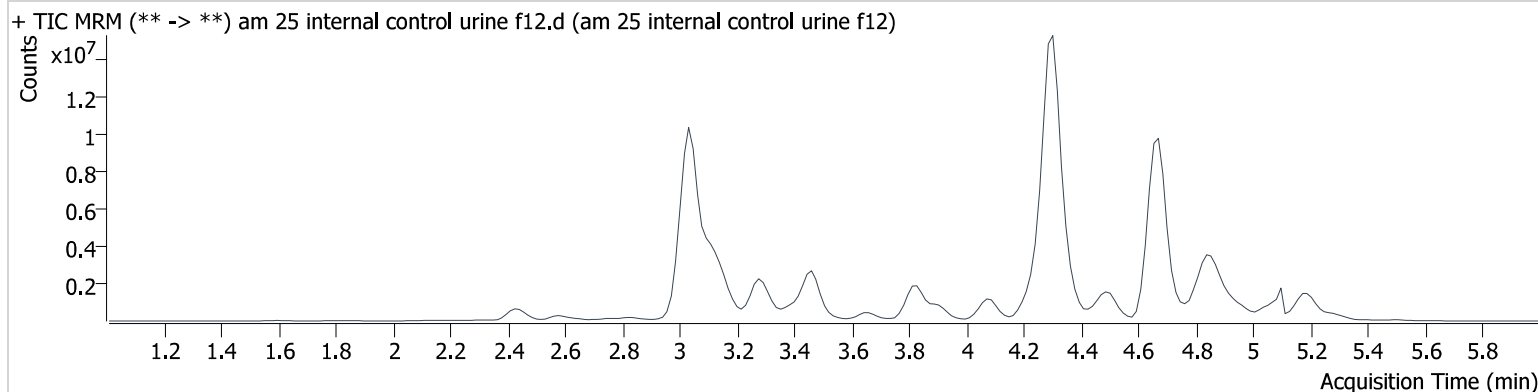


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 25.batch.bin
Calibration Last Update 8/13/2024 8:37:32 AM

Instrument	69679	Data File	am 25 internal control urine f12.d
Type	Sample	Sample	am 25 internal control urine f12
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-F12	Comment	
Injection Volume	2.5		
Acq. Date-Time	8/12/2024 3:55:26 PM		
Sample Info.			

Sample Chromatogram



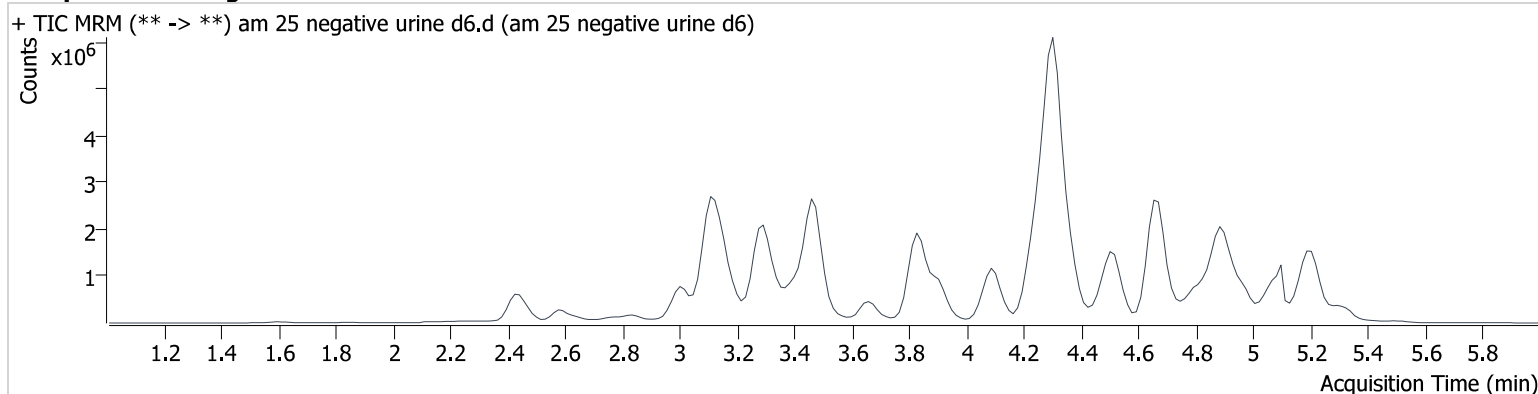
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.843	4987982	405.6	414.0	3063697	91.926
Amphetamine	3.043	12320957	2085.8	19484.1	2899699	106.696
Codeine	3.139	1712842	5915.9	530252.4	2952817	109.014
Diphenhydramine	4.311	35088104	23768.0	13319.2	21042352	128.706
Zolpidem	4.676	26867387	6334098.3	25960.3	10750415	118.507

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 25.batch.bin
Calibration Last Update 8/13/2024 8:37:32 AM

Instrument	69679	Data File	am 25 negative urine d6.d
Type	Sample	Sample	am 25 negative urine d6
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-D7	Comment	
Injection Volume	2.5		
Acq. Date-Time	8/12/2024 5:43:06 PM		
Sample Info.			

Sample Chromatogram





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

Extraction Date: 8/12/24

Plate lot#: 240513

Mobile phase A: 10mM Amm Form in LCMS water

Blank Blood Lot: 24C52043

LCMS-QQQ ID: 69679

Analyst: Anne Nord

Plate Retest Date: 11/13/2024

Mobile phase B: 0.1% Formic acid in MeOH

Blank Urine Lot: 6524

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. Using a calibrated pipette, pipette 1000µL blood or 1000µL urine in wells of analytical (standards) plate. **Pipette ID: K52558G**
- ☒ 3. **Urine hydrolysis add 100 ul BG turbo, and 200 ul BG turbo buffer to the urine samples in wells of the analytical plate.**
- ☒ 4. Add **500µL of 0.1% formic acid in water** 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: **750 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 75401 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, 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 1	Internal control urine	1412-1	1568-2		
b	cal 2	negative blood	1429-1	negative urine		
c	cal 3	1362-1	1436-1	1421-1		
d	cal 4	1392-1	1447-1	1422-1		
e	cal 5	1392-1	1453-4			
f	cal 6	1393-1	1466-1			
g	cal 7	1394-1	1468-1			
h	Internal control (blood)	1398-3	1508-1			

Plate position 3

c2024-____-__

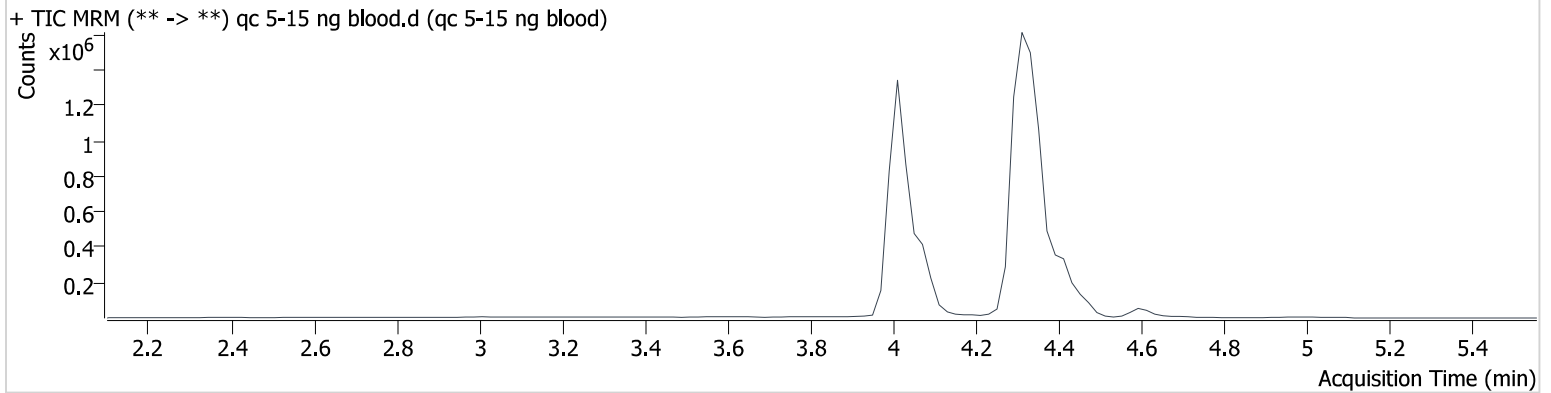
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 PM

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	
Injection Volume	5		
Acq. Date-Time	8/12/2024 7:22:33 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	22497	477149	4.938 ng/ml
THC-COOH	4.073	151520	767994	14.453 ng/ml
THC-OH	4.019	28108	3783867	4.689 ng/ml

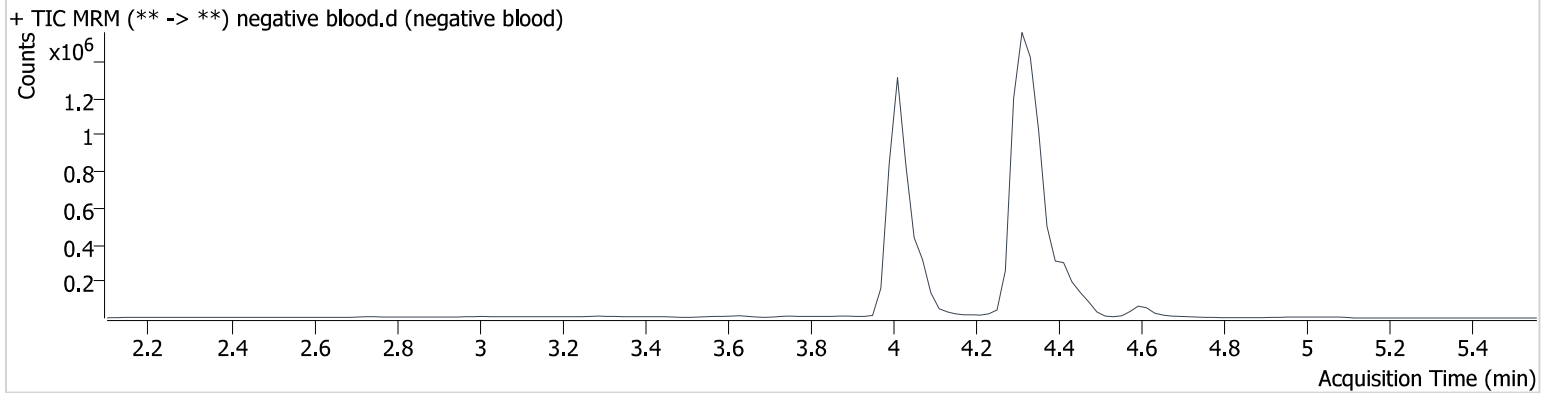
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 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	8/12/2024 7:35:29 PM		
Sample Info.			

Sample Chromatogram



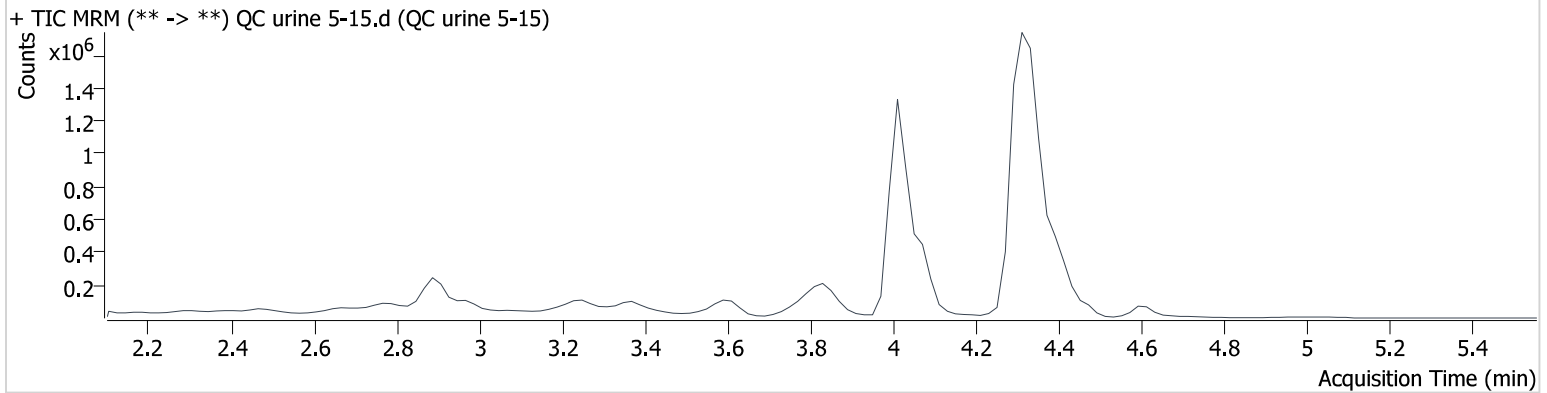
[Signature]

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 PM

Instrument	69679	Data File	QC urine 5-15.d
Type	QC	Sample	QC urine 5-15
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-A2	Comment	
Injection Volume	5		
Acq. Date-Time	8/12/2024 7:29:01 PM		
Sample Info.			

Sample Chromatogram



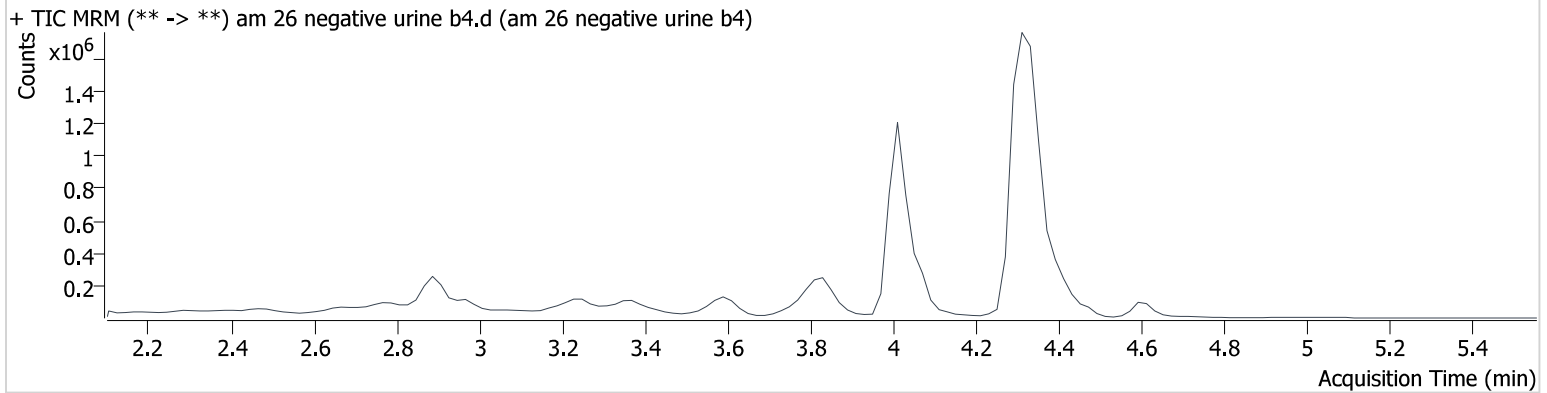
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	19338	429846	4.720 ng/ml
THC-COOH	4.073	150120	797868	13.782 ng/ml
THC-OH	4.019	28686	3626515	4.994 ng/ml

[Signature]

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin		
Calibration Last Update	8/13/2024 12:50:13 PM		
Instrument	69679	Data File	am 26 negative urine b4.d
Type	Sample	Sample	am 26 negative urine b4
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-B4	Comment	
Injection Volume	5		
Acq. Date-Time	8/12/2024 9:12:28 PM		
Sample Info.			

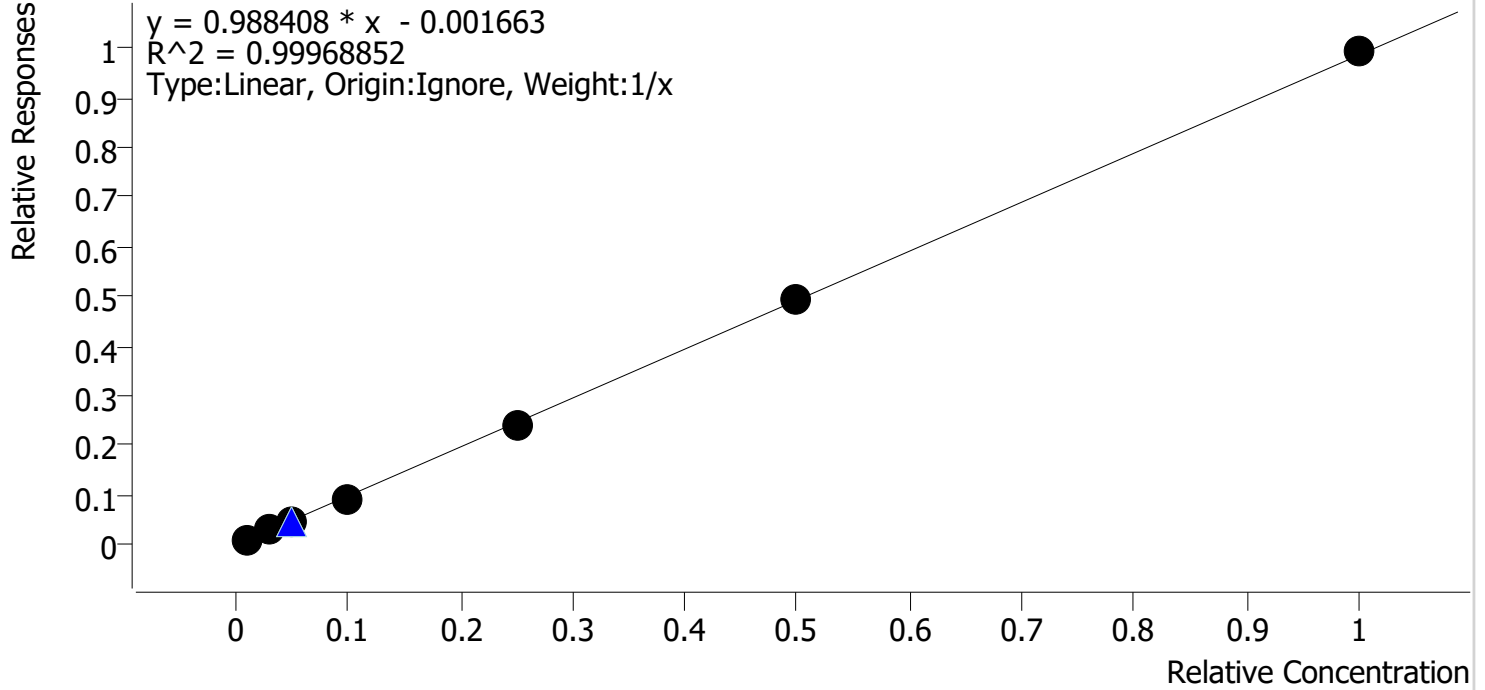
Sample Chromatogram



Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Last Cal. Update 8/13/2024 12:50 PM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-d3

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

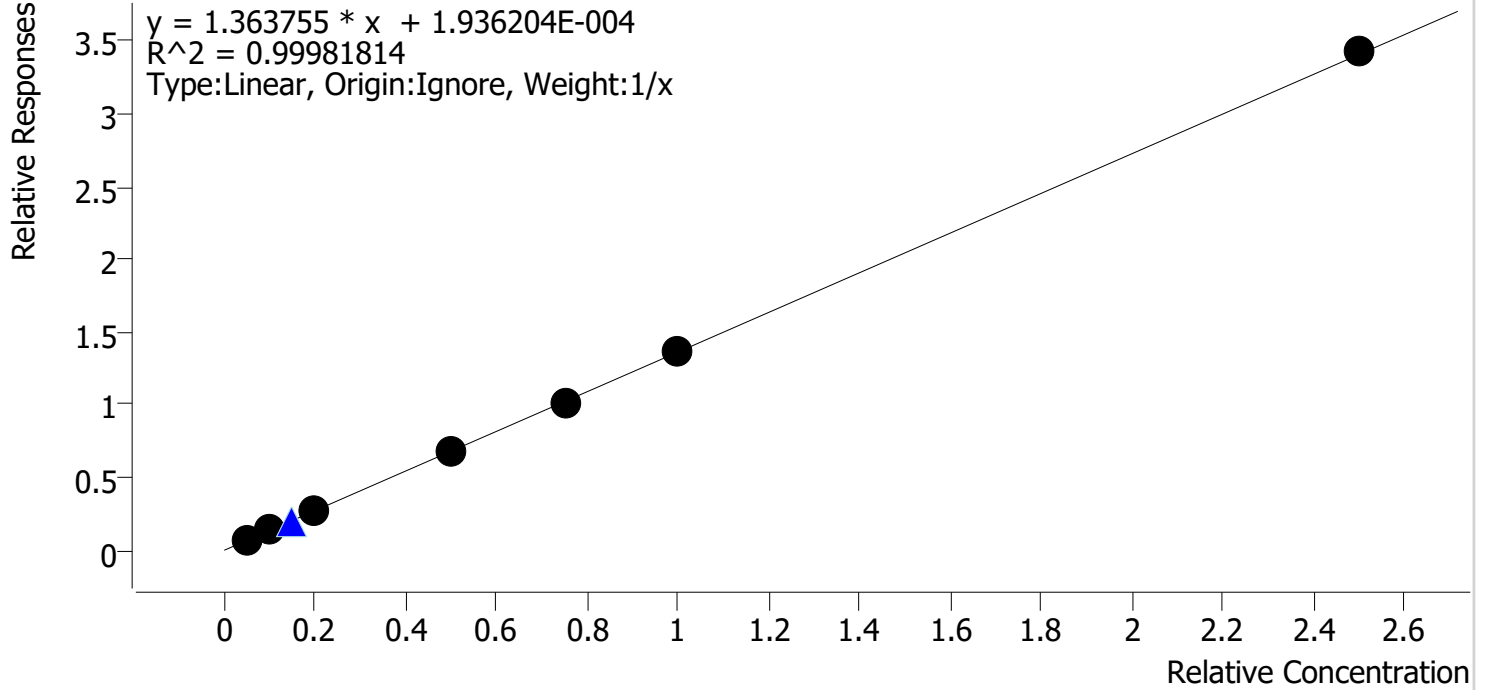


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	106.8
cal 2	2	✓	3.0	3.1	102.4
cal 3	3	✓	5.0	4.8	95.8
cal 4	4	✓	10.0	9.6	95.8
cal 5	5	✓	25.0	24.5	97.8
cal-6	6	✓	50.0	50.3	100.7
cal-7	7	✓	100.0	100.7	100.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Last Cal. Update 8/13/2024 12:50 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-d9

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

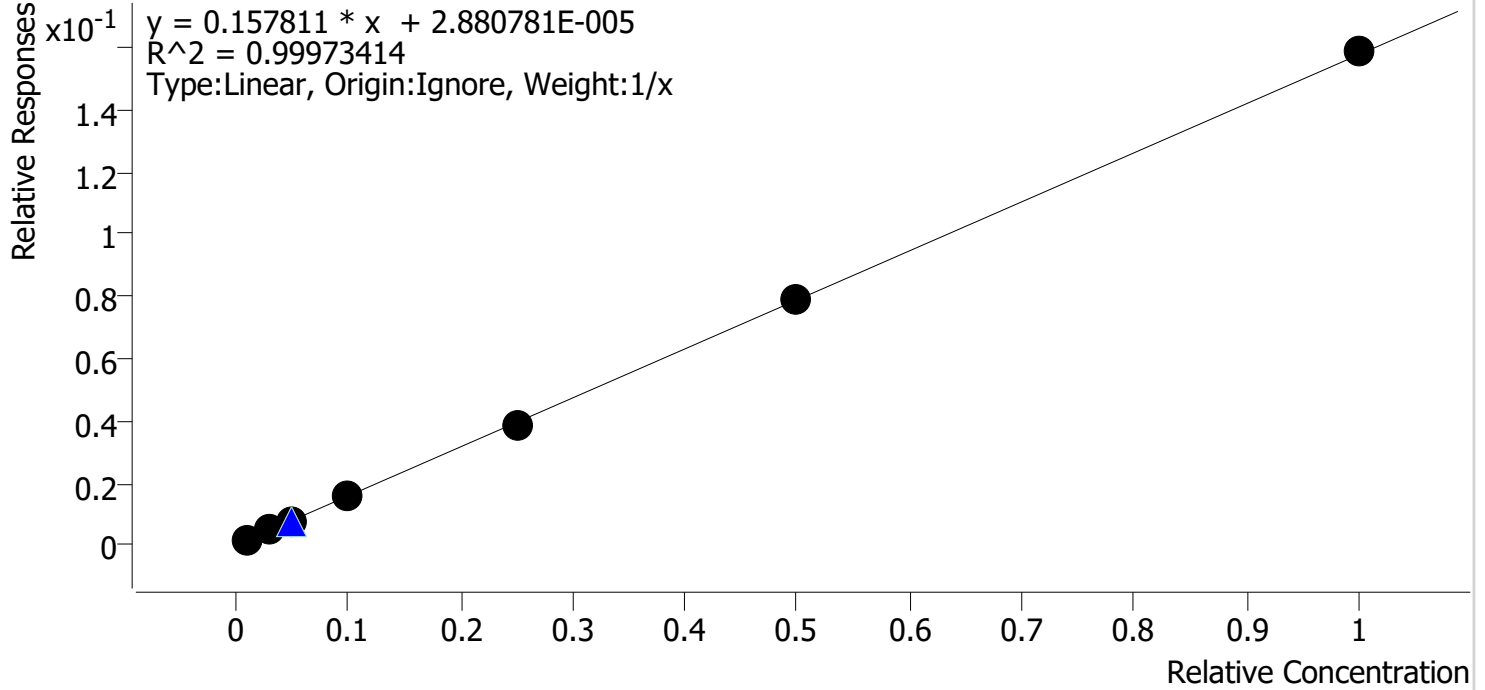


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.3	106.3
cal 2	2	✓	10.0	9.7	96.8
cal 3	3	✓	20.0	19.6	97.9
cal 4	4	✓	50.0	49.9	99.8
cal 5	5	✓	75.0	73.7	98.3
cal-6	6	✓	100.0	100.4	100.4
cal-7	7	✓	250.0	251.4	100.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Last Cal. Update 8/13/2024 12:50 PM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-d3

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



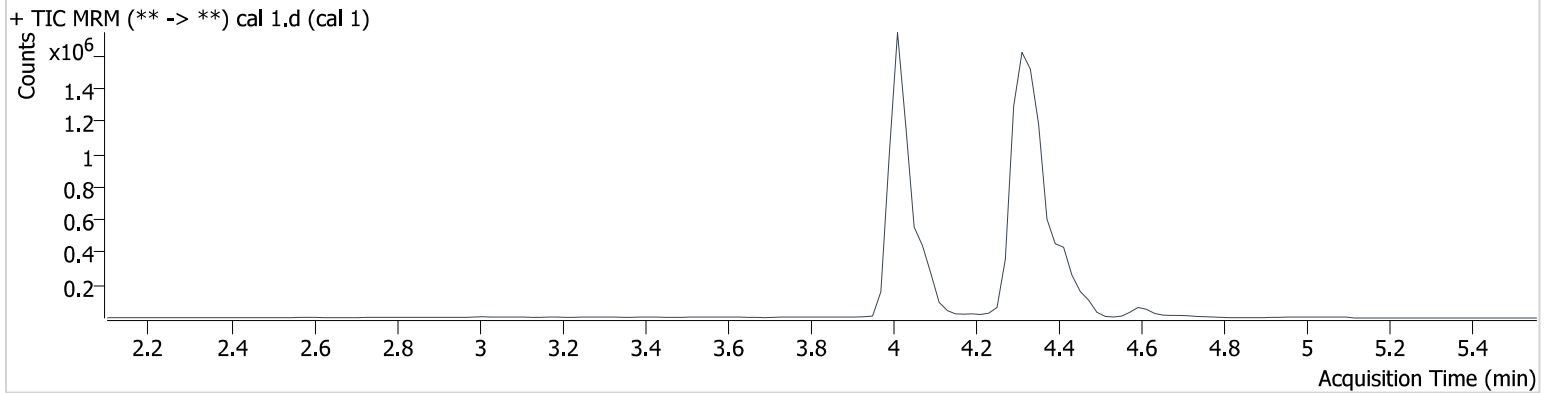
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	107.9
cal 2	2	✓	3.0	3.0	98.4
cal 3	3	✓	5.0	4.9	98.1
cal 4	4	✓	10.0	9.7	96.6
cal 5	5	✓	25.0	24.4	97.5
cal-6	6	✓	50.0	50.4	100.9
cal-7	7	✓	100.0	100.6	100.6

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 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	8/12/2024 6:37:06 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	5541	623154	1.068 ng/ml Low
THC-COOH	4.073	63600	875121	5.315 ng/ml Low
THC-OH	4.019	9215	5320886	1.079 ng/ml Low

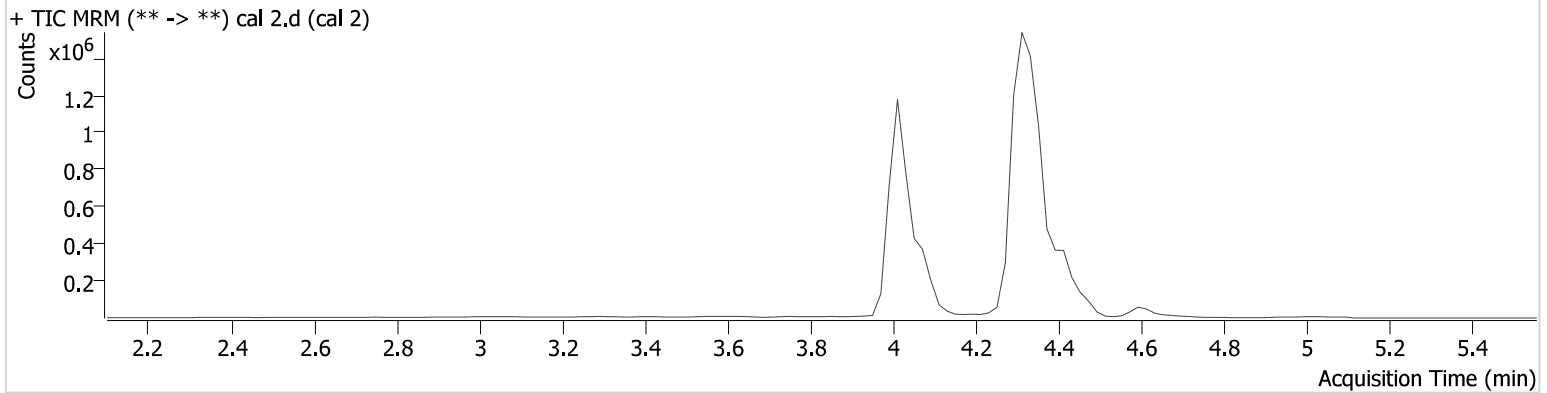


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 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	8/12/2024 6:43:44 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	16534	576081	3.072 ng/ml
THC-COOH	4.073	100178	757968	9.677 ng/ml Low
THC-OH	4.019	16071	3427057	2.953 ng/ml Low

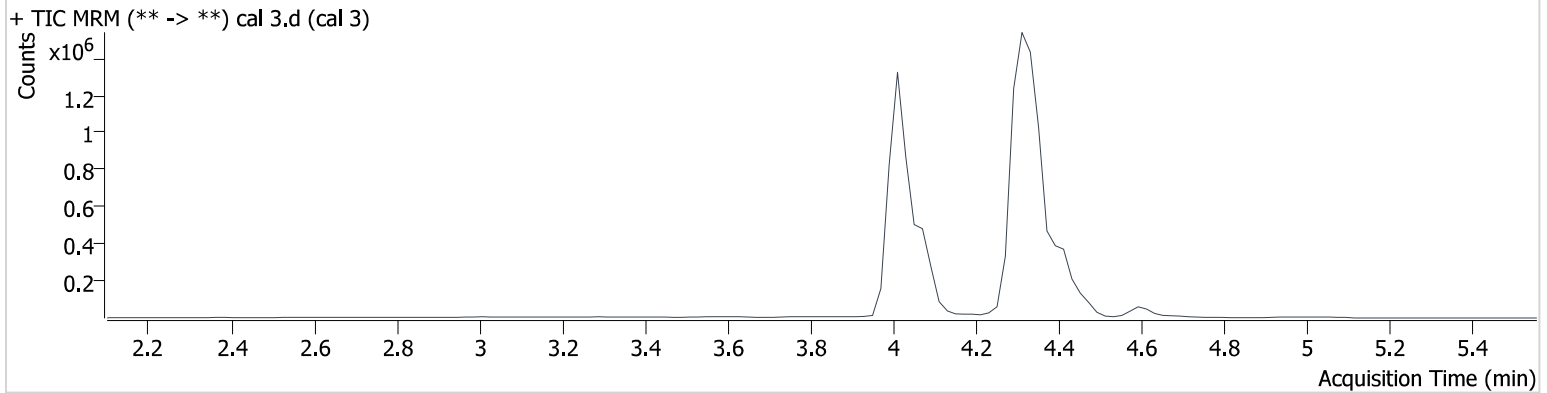
[Signature]

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 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	8/12/2024 6:50:12 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	27716	606651	4.791 ng/ml
THC-COOH	4.073	214972	804860	19.571 ng/ml
THC-OH	4.019	29180	3754757	4.906 ng/ml

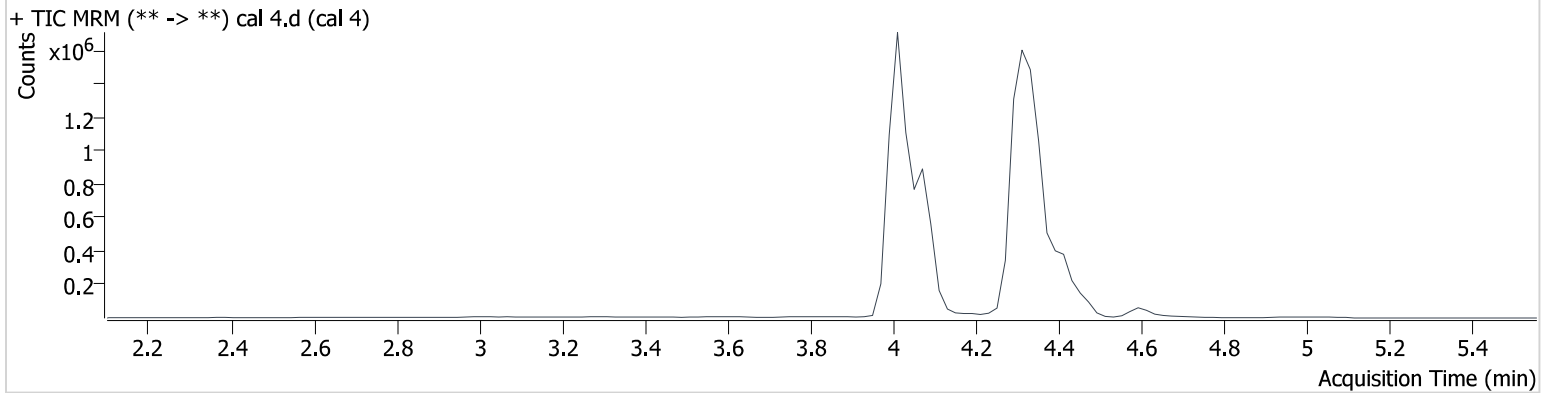
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 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	8/12/2024 6:56:40 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	51217	550544	9.580 ng/ml
THC-COOH	4.073	633131	929772	49.918 ng/ml
THC-OH	4.019	69196	4532403	9.656 ng/ml

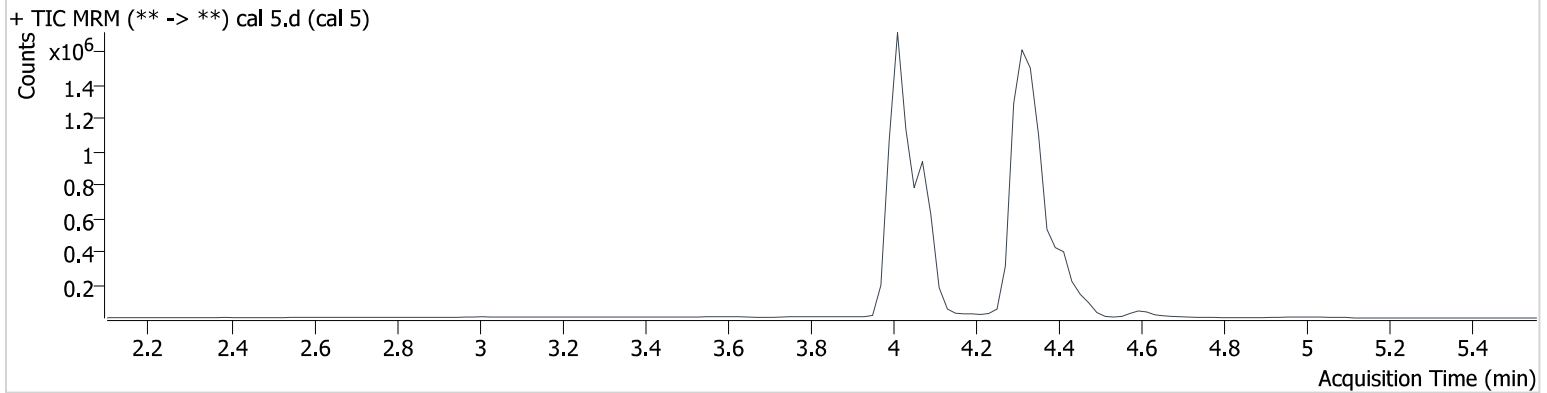
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 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	8/12/2024 7:03:08 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	124796	519777	24.459 ng/ml
THC-COOH	4.073	764670	760286	73.736 ng/ml
THC-OH	4.019	145991	3793344	24.369 ng/ml

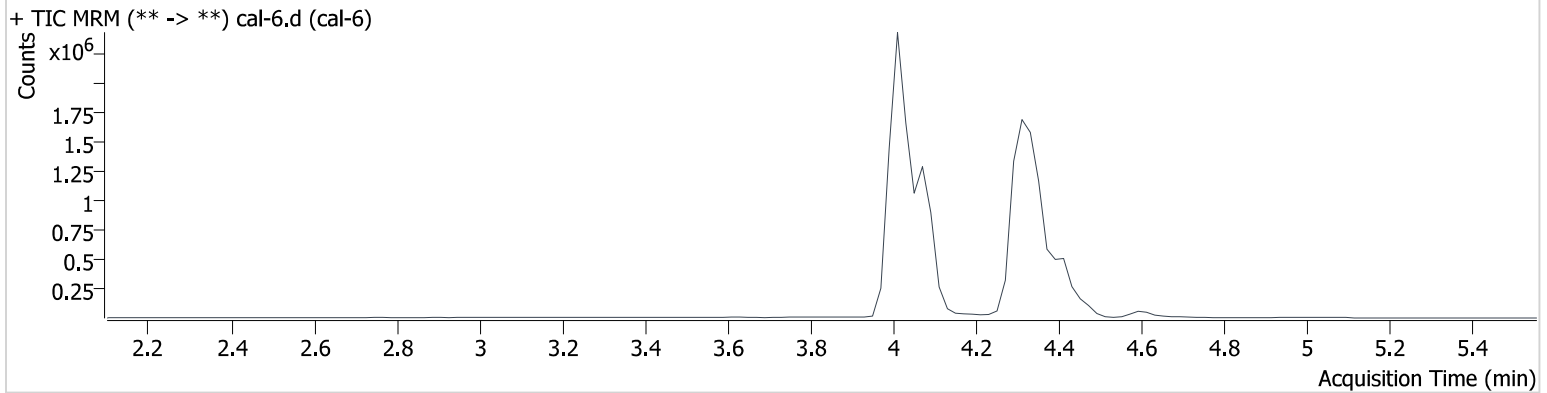
[Signature]

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 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	8/12/2024 7:09:36 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	275462	555608	50.328 ng/ml
THC-COOH	4.073	1121729	819511	100.354 ng/ml
THC-OH	4.019	338905	4255959	50.441 ng/ml

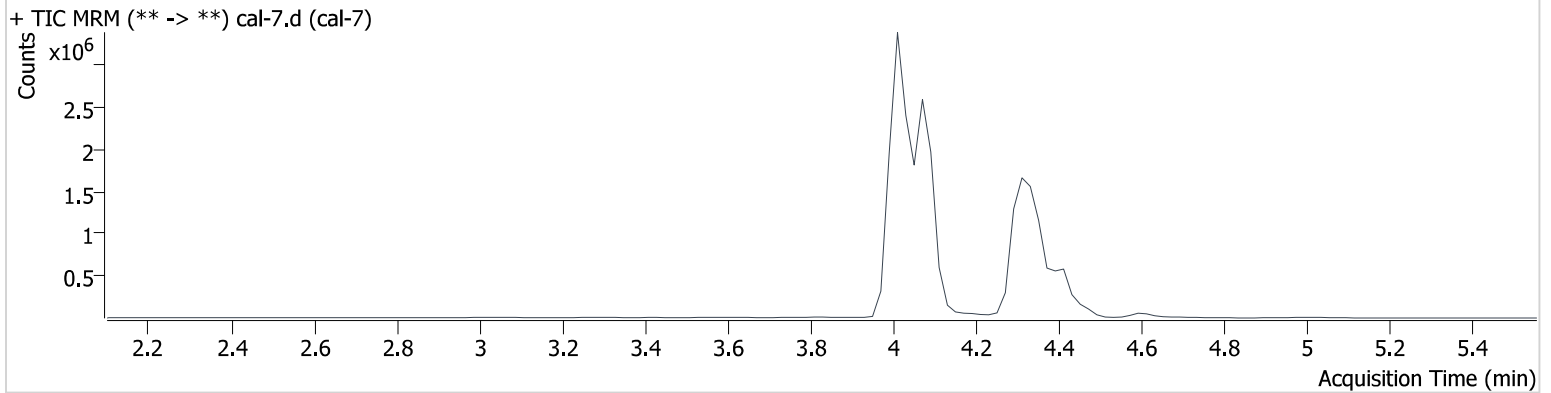
[Signature]

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\081224\QuantResults\am 26.batch.bin
Calibration Last Update 8/13/2024 12:50:13 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	8/12/2024 7:16:05 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	493619	496759	100.701 ng/ml
THC-COOH	4.073	2687809	783829	251.429 ng/ml
THC-OH	4.019	655433	4127950	100.595 ng/ml