

REVIEWED

By Celena Shrum at 1:28 pm, Jun 03, 2024

SC

6/3/2024

Worklist: 6829

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2024-1367	2	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



AM# 28: Multi-Drug Quantitation by LC-MS/MS

8C

Extraction Date: 05/29/2024

Analyst: Sarah Collins

Plate lot#: 201207

Plate Retest Date: 06/07/2021 - external control ran

Mobile phase A: 5mM Amm Form + 0.01% FA

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: 23A52595

Blank Urine Lot: N/A

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

LCMS-QQQ ID: 069901

Pre-Analytic:

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

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 or 250µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: #42
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 8. 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)*
- 9. Wait 5 minutes.
- 10. Add **900uL ethyl acetate**.
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 13. Add **900uL ethyl acetate**.
- 14. Wait 5 minutes.
- 15. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 16. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 17. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
- 18. Reconstitute in 100µL 20% LC MeOH and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

Compounds Evaluated and Curve Range Limits:

Amitriptyline

Doxepin 5-500 – calibrator 8 dropped due to peak shape

Flurazepam 5-250 – calibrators 7 and 8 dropped due to accuracy

8C

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1		IS + Cal. 1	IS + QC_1				IS + Cal. 8			IS + Cal. 8
B	IS + Cal. 2	IS + QC_2		IS + Cal. 2	IS + QC_2				IS + Cal. 7			IS + Cal. 7
C	IS + Cal. 3	IS + QC_3		IS + Cal. 3	IS + QC_3				IS + Cal. 6			IS + Cal. 6
D	IS + Cal. 4	IS + QC_4		IS + Cal. 4	IS + QC_4				IS + Cal. 5			IS + Cal. 5
E	IS + Cal. 5			IS + Cal. 5	negative blood			IS + QC_4	IS + Cal. 4		IS + QC_4	IS + Cal. 4
F	IS + Cal. 6			IS + Cal. 6	external blood			IS + QC_3	IS + Cal. 3		IS + QC_3	IS + Cal. 3
G	IS + Cal. 7			IS + Cal. 7	p2024-1367-2			IS + QC_2	IS + Cal. 2		IS + QC_2	IS + Cal. 2
H	IS + Cal. 8			IS + Cal. 8				IS + QC_1	IS + Cal. 1		IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

Samples were moved on the SLE plate; column 4 to column 11 and column 5 to column 12

SC

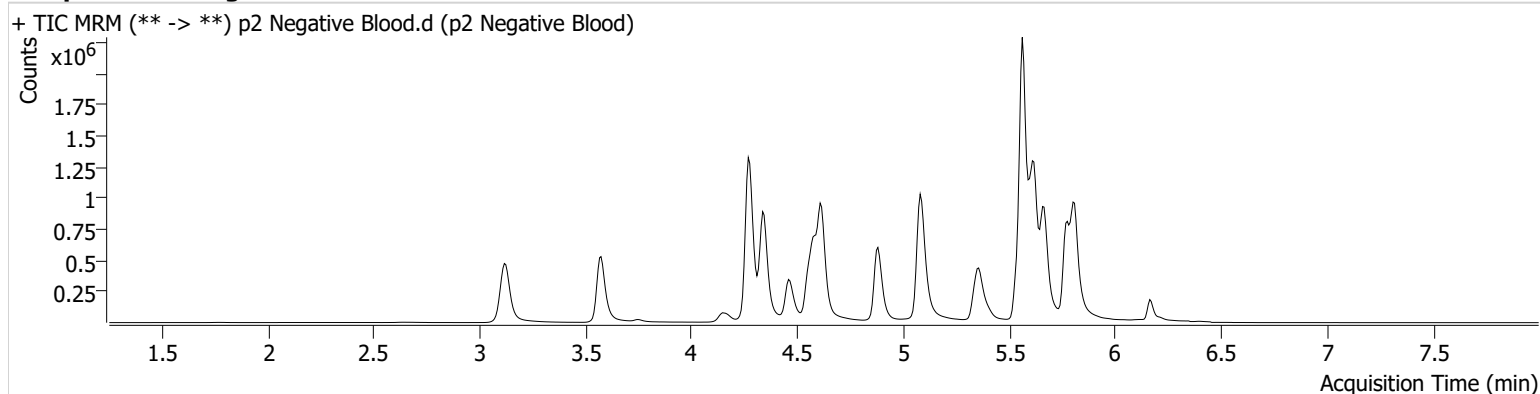


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument	Falco (069901)	Data File	p2 Negative Blood.d
Type	Sample	Sample	p2 Negative Blood
Acq. Method	AM 28 P2-Updated Dec 2023.m	Operator	Sarah Collins
Sample Position	P2-E12	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	5/29/2024 5:19:06 PM		
Sample Info.			

Sample Chromatogram





Idaho State Police Forensic Services

AM #28 Blood/Urine Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 2

Methanol External Control Solution (Lot: 052824)
100 ul each 1 mg/mL stock solution in 9800 ul MeOH

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	222621	N/A
Amitriptyline	Cerilliant	FN02202004	03/31/2025
Flurazepam	Cerilliant	FE08231902	11/30/2024
Prepared:	05/28/2024		
Prepared By:	Tamara Salazar		
Expires:	11/30/2024		

Blood External Control Solution (Lot: WS052824)
100 ul of methanol external control solution was added to 9900ul of blood.
Approximately 100ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	23A52595
Methanol External Control Solution	-	052824
Prepared:	05/28/2024	
Prepared by:	Tamara Salazar	
Expires:	11/30/2024	

SC



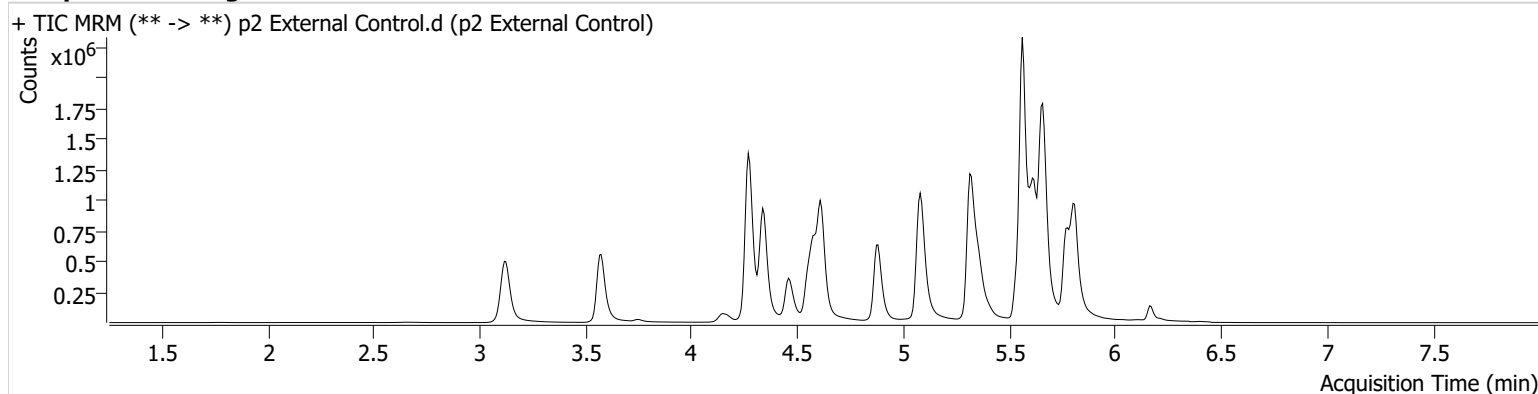
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 External Control.d
Type Sample **Sample** p2 External Control
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-F12 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 5:40:37 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	528220	1682.38	127.0	8774.27	389733	73.6409 ng/ml
Flurazepam	5.312	2766693	1172.28	13.6	2506.96	914128	60.8140 ng/ml

SC



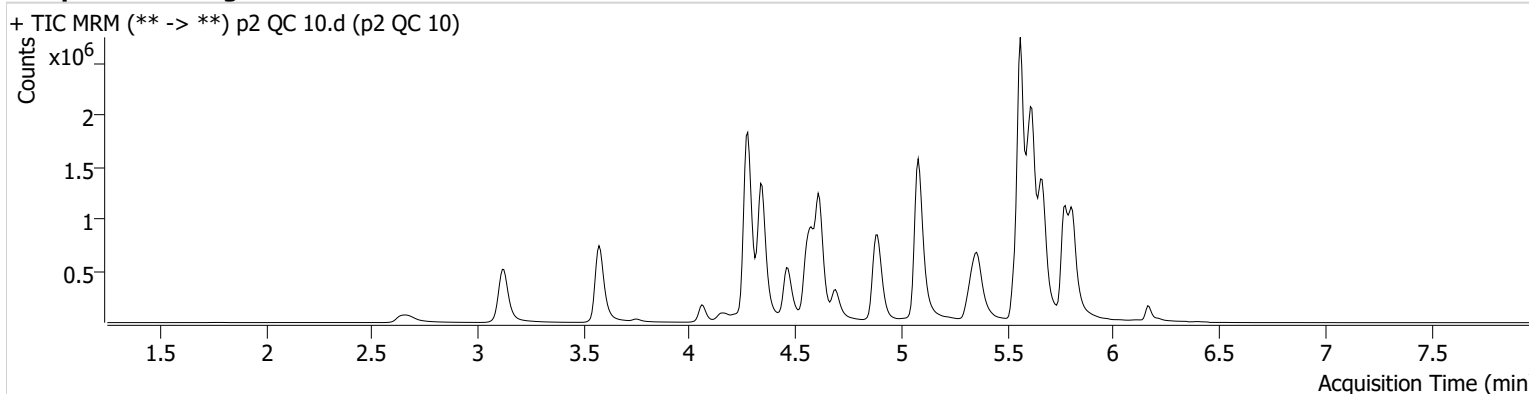
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 QC 10.d
Type QC **Sample** p2 QC 10
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-A12 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 4:14:36 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	93328	679.63	141.7	1410.72	541760	9.1799 ng/ml
Doxepin	5.343	226060	428.68	43.4	390.70	831564	10.3276 ng/ml
Flurazepam	5.312	417850	311.86	12.7	142.19	905508	9.6722 ng/ml

SC



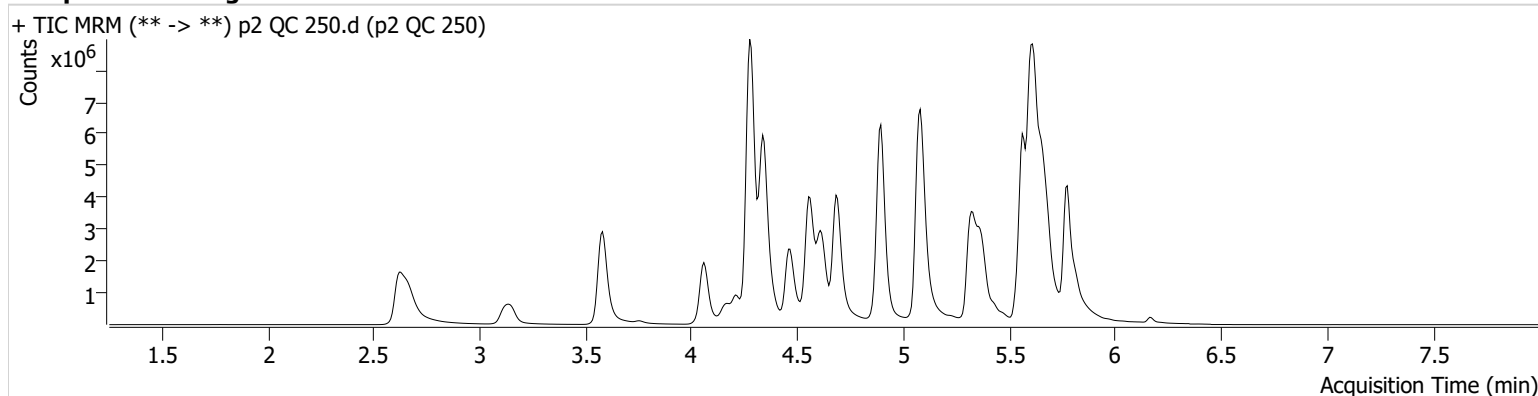
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 QC 250.d
Type QC **Sample** p2 QC 250
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-C12 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 4:36:06 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	1605092	2535.15	131.2	289.64	384292	227.3686 ng/ml
Doxepin	5.343	3613708	5937.91	49.0	11984.03	581022	234.5793 ng/ml
Flurazepam	5.312	6943982	61713.82	14.2	3355.15	483572	286.7665 ng/ml

SC

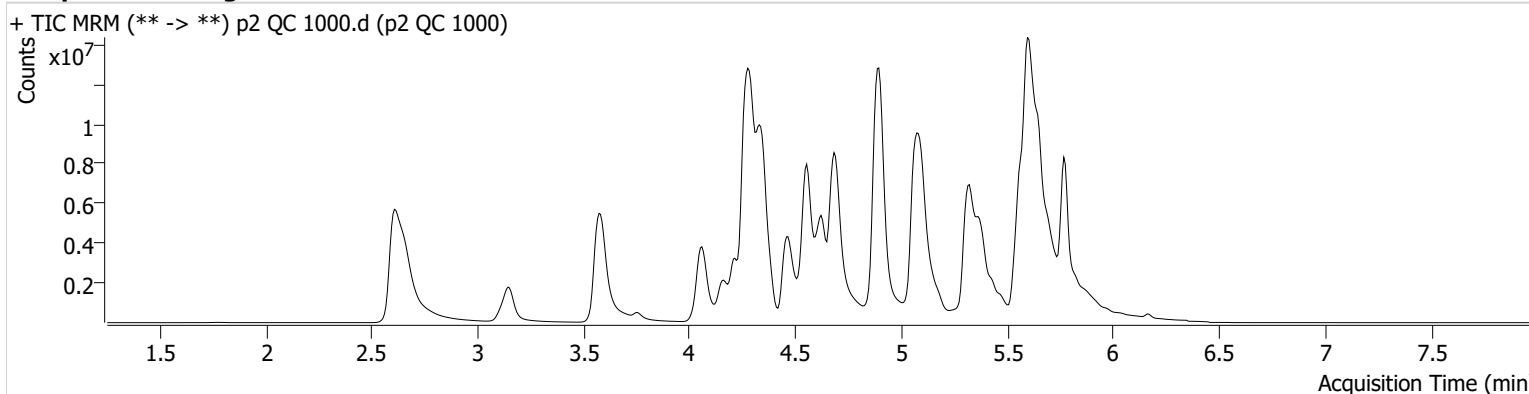


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument	Falco (069901)	Data File	p2 QC 1000.d
Type	QC	Sample	p2 QC 1000
Acq. Method	AM 28 P2-Updated Dec 2023.m	Operator	Sarah Collins
Sample Position	P2-D12	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	5/29/2024 4:57:36 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.646	4027346	16659.53	125.3	123.78	239703	915.2366 ng/ml
Doxepin	5.337	9360755	20110.46	50.2	39984.32	367359	960.8172 ng/ml
Flurazepam	5.305	17048916	992682.09	13.6	2906.31	234584	1449.4588 ng/ml

SC

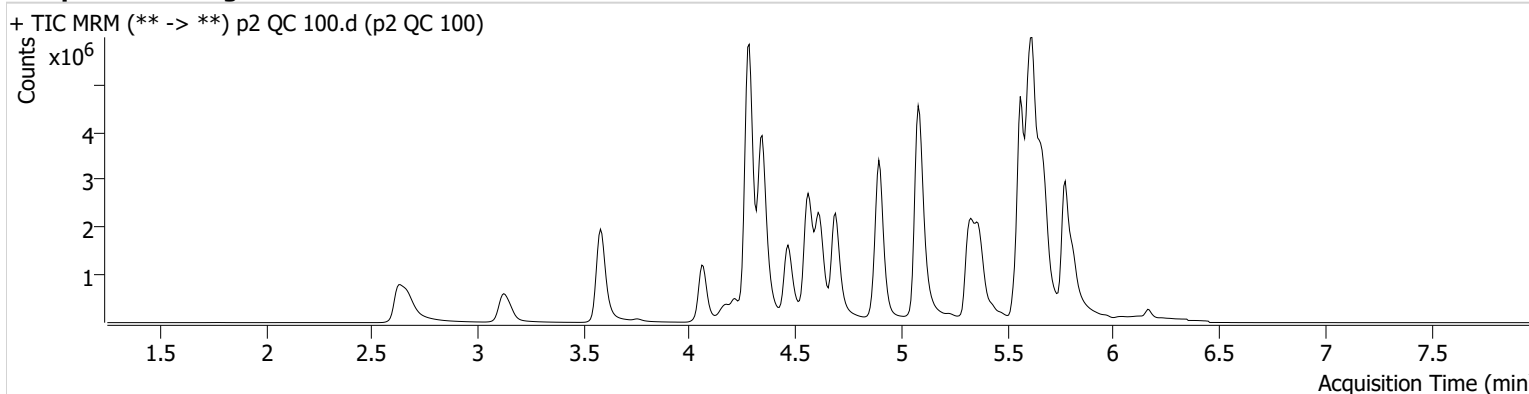


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument	Falco (069901)	Data File	p2 QC 100.d
Type	QC	Sample	p2 QC 100
Acq. Method	AM 28 P2-Updated Dec 2023.m	Operator	Sarah Collins
Sample Position	P2-B12	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	5/29/2024 6:23:34 PM		
Sample Info.			

Sample Chromatogram



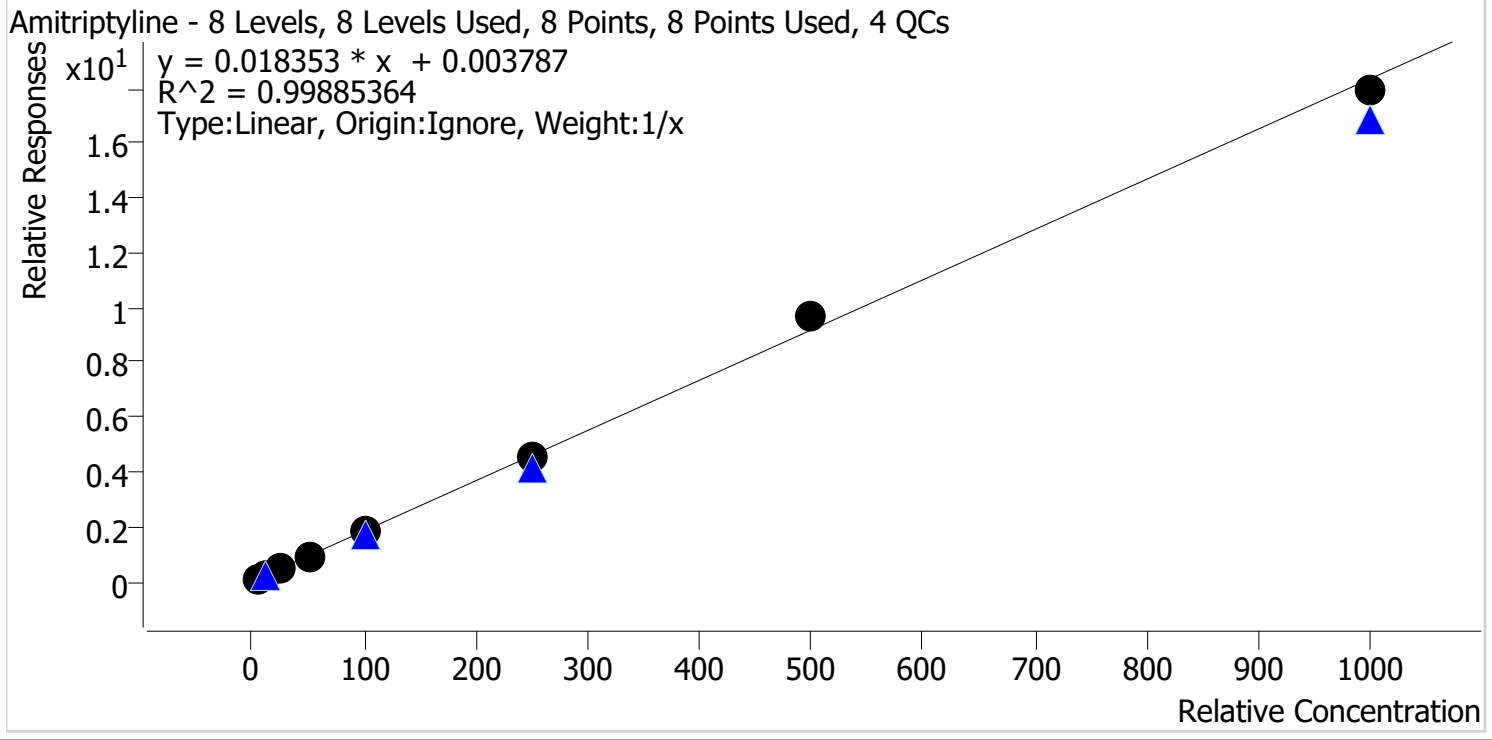
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	840393	775.74	132.6	1165.12	503634	90.7125 ng/ml
Doxepin	5.343	1975443	16037.10	47.9	937.18	756812	98.4929 ng/ml
Flurazepam	5.312	3969894	351.92	13.6	1022.77	724465	109.7235 ng/ml

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Last Cal. Update 6/3/2024 9:52 AM
Analyst Name ISP\Datastor
Analyte Amitriptyline **Internal Standard** Amitriptyline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.8	95.4
p2 Cal 2-10ng	2	✓	10.0	10.5	105.1
p2 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p2 Cal 4-50ng	4	✓	50.0	49.6	99.3
p2 Cal 5-100ng	5	✓	100.0	99.0	99.0
p2 Cal 6-250ng	6	✓	250.0	248.2	99.3
p2 Cal 7-500ng	7	✓	500.0	526.6	105.3
p2 Cal 8-1000ng	8	✓	1000.0	976.6	97.7

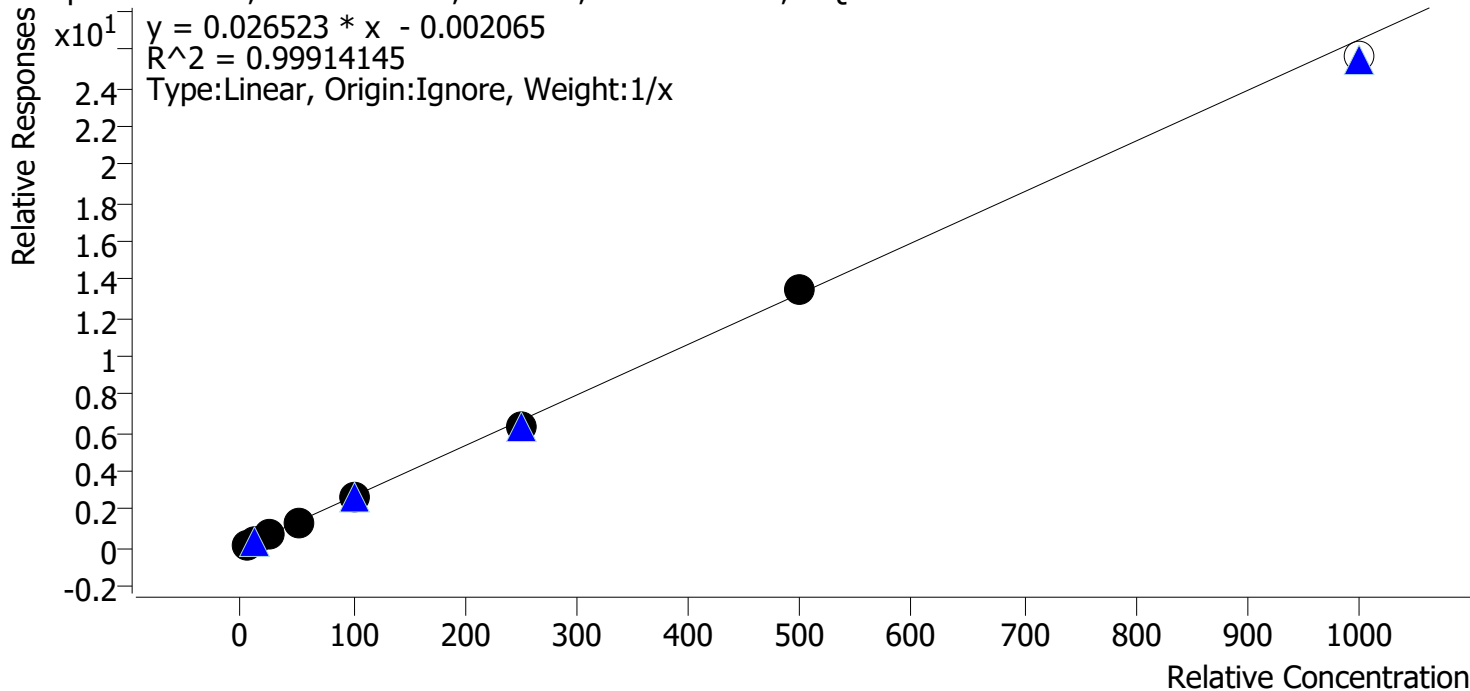
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Last Cal. Update 6/3/2024 9:52 AM
Analyst Name ISP\Datastor
Analyte Doxepin **Internal Standard** Doxepin-D3

Doxepin - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



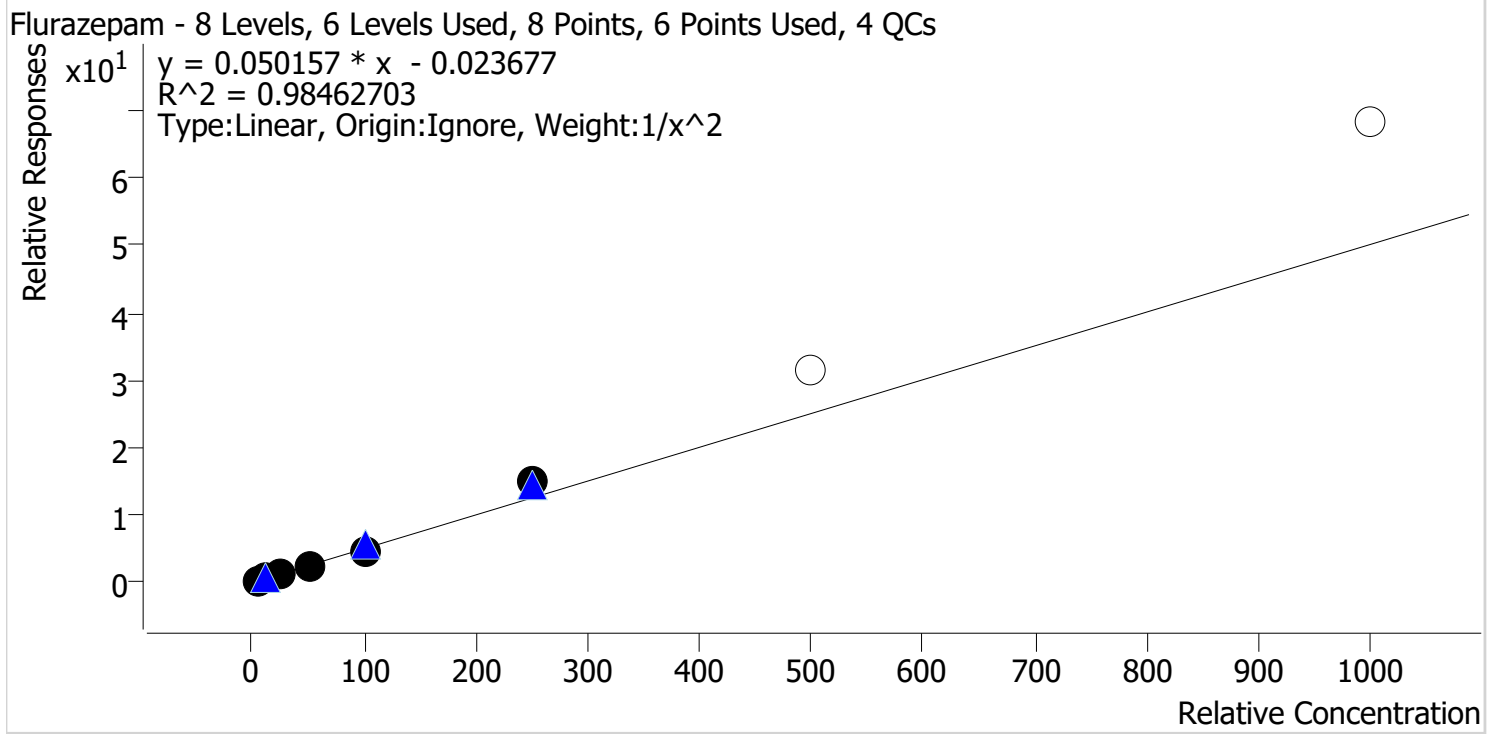
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.0	99.2
p2 Cal 2-10ng	2	✓	10.0	10.3	103.0
p2 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p2 Cal 4-50ng	4	✓	50.0	50.1	100.2
p2 Cal 5-100ng	5	✓	100.0	97.9	97.9
p2 Cal 6-250ng	6	✓	250.0	240.2	96.1
p2 Cal 7-500ng	7	✓	500.0	511.2	102.2
p2 Cal 8-1000ng	8	✗	1000.0	966.8	96.7

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Last Cal. Update 6/3/2024 9:52 AM
Analyst Name ISP\Datastor
Analyte Flurazepam **Internal Standard** Midazolam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.2	104.1
p2 Cal 2-10ng	2	✓	10.0	9.3	93.3
p2 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p2 Cal 4-50ng	4	✓	50.0	48.9	97.7
p2 Cal 5-100ng	5	✓	100.0	88.6	88.6
p2 Cal 6-250ng	6	✓	250.0	294.6	117.8
p2 Cal 7-500ng	7	x	500.0	627.0	125.4
p2 Cal 8-1000ng	8	x	1000.0	1362.5	136.3

SC



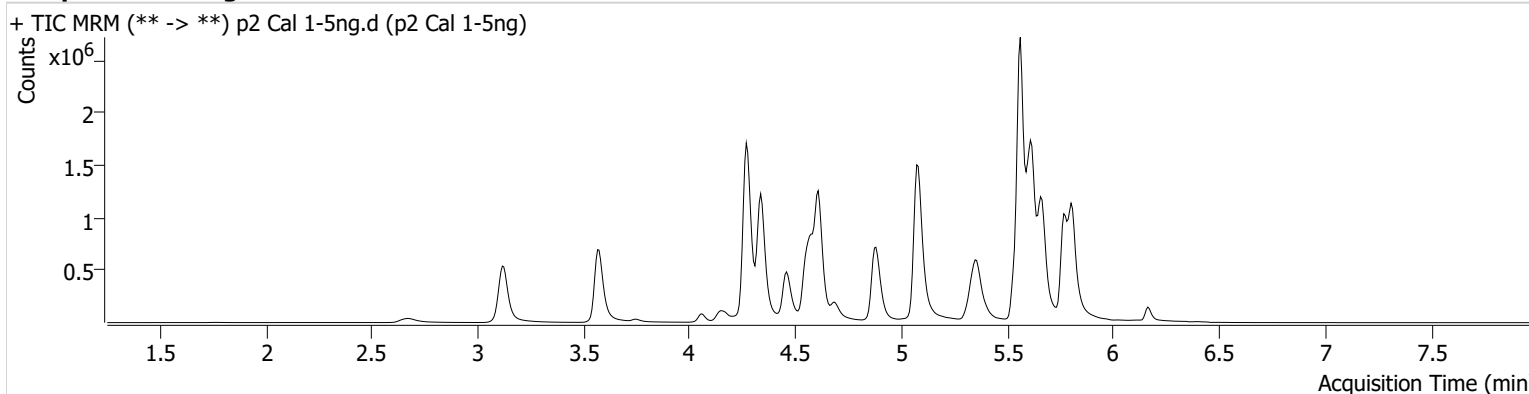
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 Cal 1-5ng.d
Type Cal **Sample** p2 Cal 1-5ng
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-A11 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 2:16:09 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	46484	332.29	141.4	8772.21	508847	4.7711 ng/ml
Doxepin	5.336	107991	499.91	44.3	174.27	834367	4.9578 ng/ml
Flurazepam	5.312	234854	1142.49	12.6	1737.65	989260	5.2052 ng/ml

SC



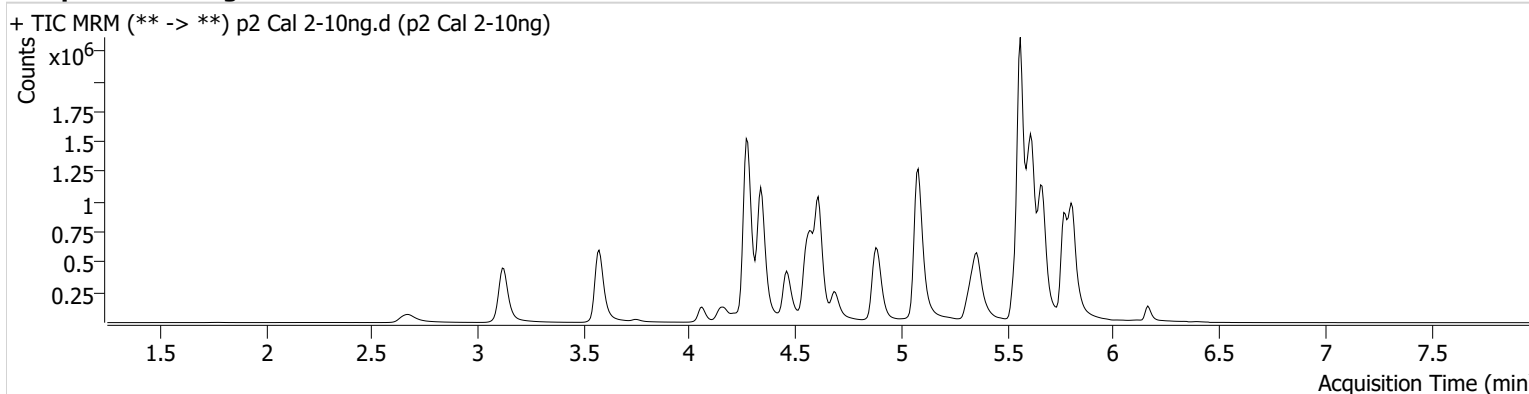
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 Cal 2-10ng.d
Type Cal **Sample** p2 Cal 2-10ng
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-B11 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 2:27:04 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	72192	469.84	131.8	1137.33	366892	10.5148 ng/ml
Doxepin	5.336	164976	465.57	41.9	495.66	608654	10.2975 ng/ml
Flurazepam	5.312	354918	1463.67	12.9	21418.96	798935	9.3290 ng/ml

SC



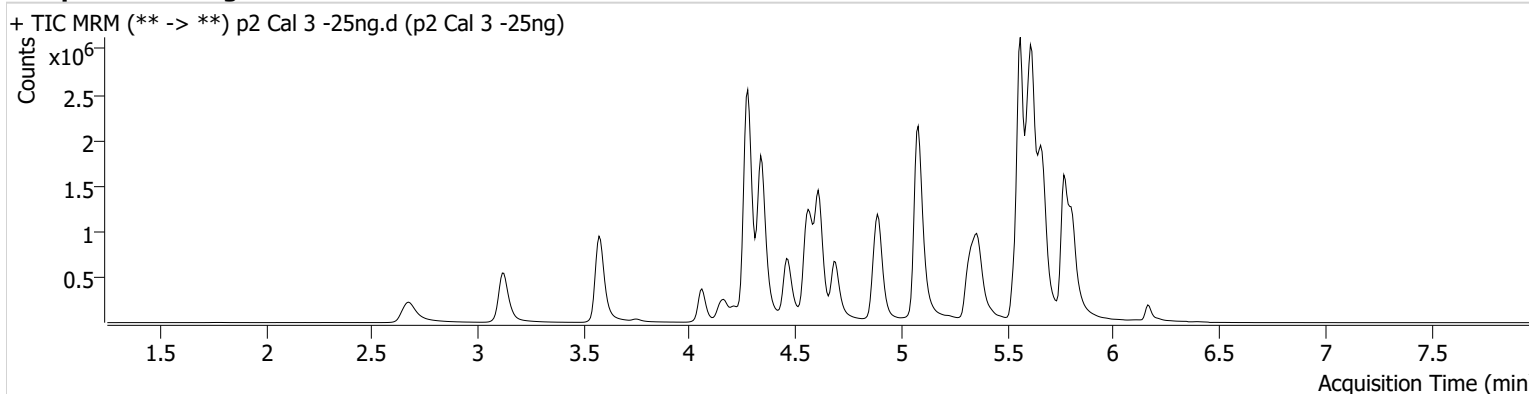
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 Cal 3 -25ng.d
Type Cal **Sample** p2 Cal 3 -25ng
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-C11 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 2:37:48 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	257193	1404.45	137.9	1002.76	562009	24.7282 ng/ml
Doxepin	5.336	559962	4095.63	44.4	395.65	834755	25.3699 ng/ml
Flurazepam	5.312	1075921	4453.72	13.3	139007.03	888516	24.6144 ng/ml

SC



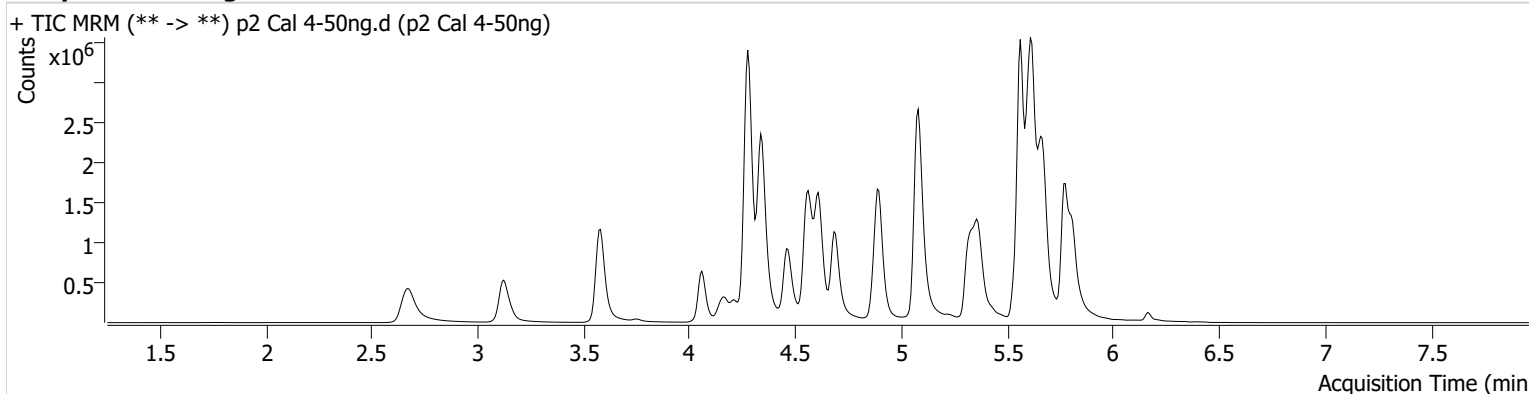
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 Cal 4-50ng.d
Type Cal **Sample** p2 Cal 4-50ng
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-D11 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 2:48:33 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	378454	1633.57	135.1	1328.61	413739	49.6330 ng/ml
Doxepin	5.337	899035	1174.53	44.9	487.40	677581	50.1044 ng/ml
Flurazepam	5.312	1877003	8445.78	13.2	588.43	773309	48.8644 ng/ml

SC



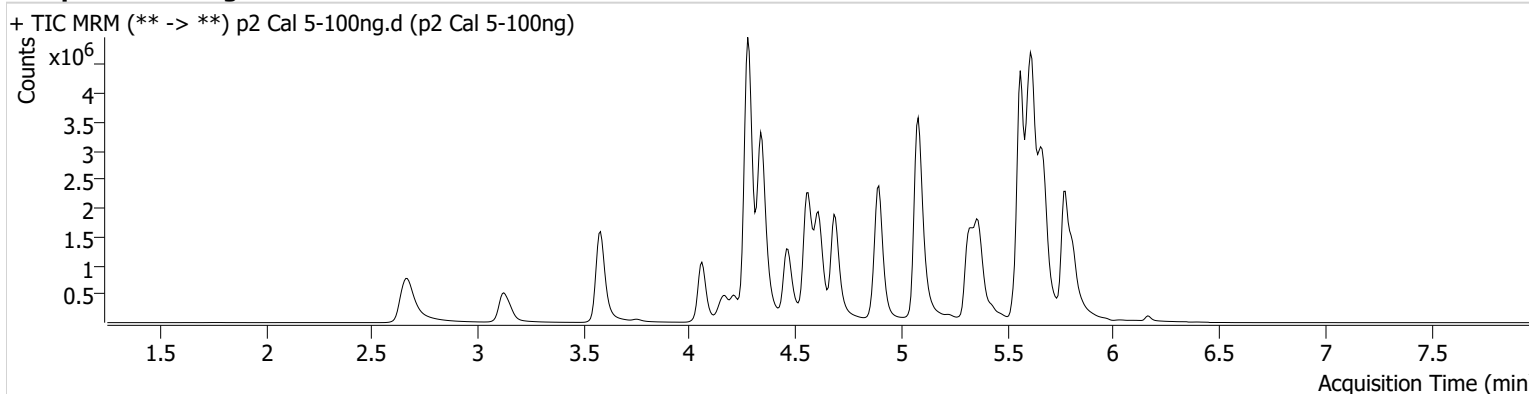
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 Cal 5-100ng.d
Type Cal **Sample** p2 Cal 5-100ng
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-E11 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 2:59:19 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	596036	1797.58	136.1	7356.09	327375	98.9941 ng/ml
Doxepin	5.336	1393815	3740.18	46.6	2231.32	537460	97.8565 ng/ml
Flurazepam	5.312	3016470	117290.19	14.0	289.25	682531	88.5855 ng/ml

SC



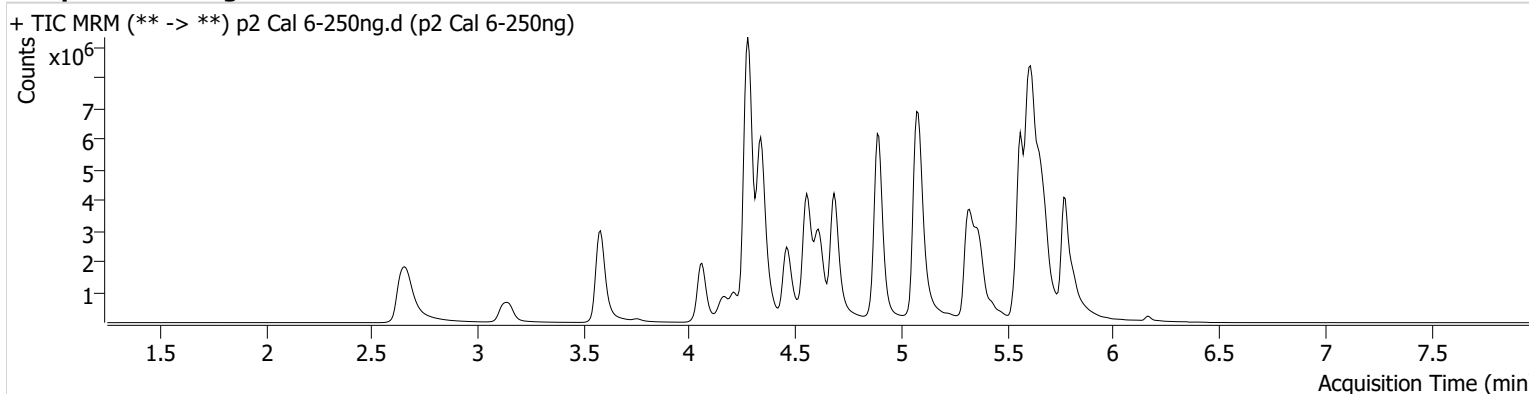
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 Cal 6-250ng.d
Type Cal **Sample** p2 Cal 6-250ng
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-F11 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 3:10:05 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	1541678	1900.08	128.9	76134.93	338157	248.1993 ng/ml
Doxepin	5.336	3354564	238.94	49.4	373.12	526718	240.2061 ng/ml
Flurazepam	5.312	7632792	230580.02	13.8	5383.33	517412	294.5836 ng/ml

SC



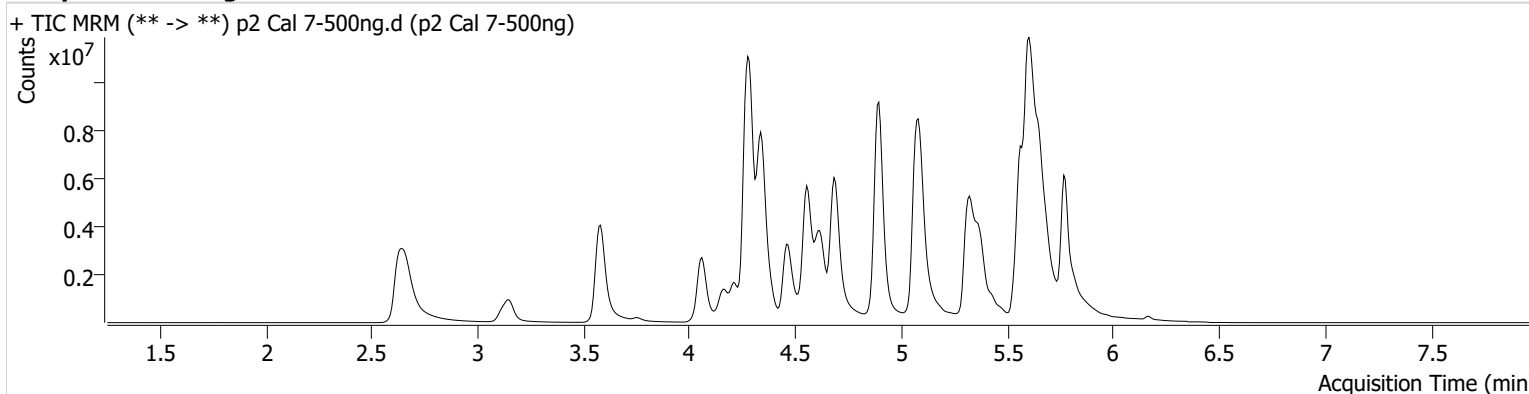
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 Cal 7-500ng.d
Type Cal **Sample** p2 Cal 7-500ng
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-G11 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 3:20:50 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	2777833	4805.18	126.3	329.38	287299	526.6089 ng/ml
Doxepin	5.336	5955036	33096.18	49.4	1963.60	439277	511.2077 ng/ml
Flurazepam	5.312	11272807	18299.25	13.6	575.78	358745	626.9588 ng/ml

SC



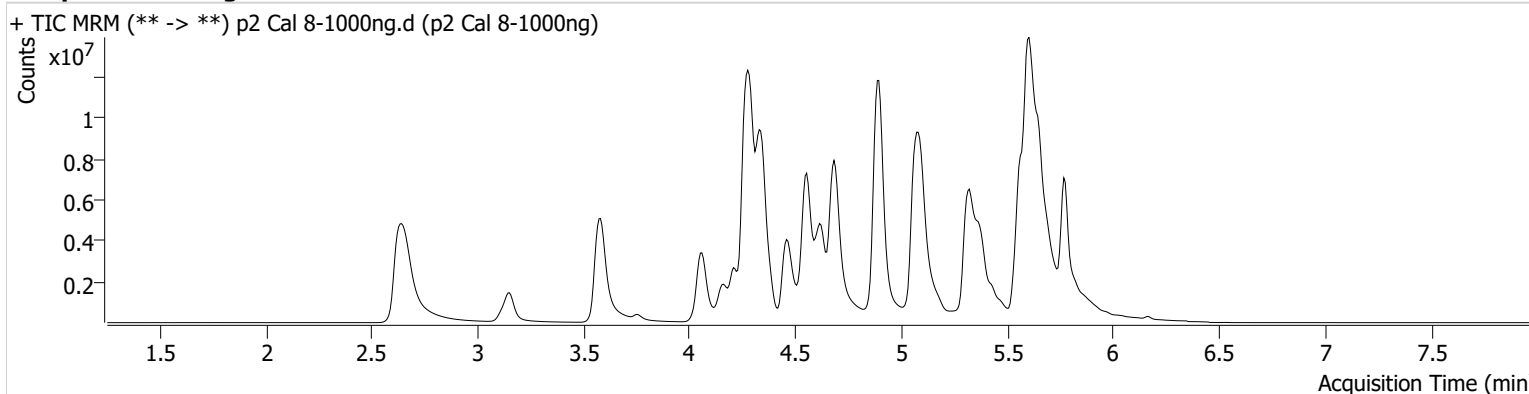
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\052924 AM 28 P2 SC\QuantResults\AM 28 P2.batch.bin
Calibration Last Update 6/3/2024 9:52:47 AM

Instrument Falco (069901) **Data File** p2 Cal 8-1000ng.d
Type Cal **Sample** p2 Cal 8-1000ng
Acq. Method AM 28 P2-Updated Dec 2023.m **Operator** Sarah Collins
Sample Position P2-H11 **Comment**
Injection Volume 5
Acq. Date-Time 5/29/2024 3:31:35 PM
Sample Info.

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	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	3686715	1876.59	125.7	1369.83	205655	976.5505 ng/ml
Doxepin	5.336	8208851	102520.91	49.6	22664.33	320169	966.7705 ng/ml
Flurazepam	5.305	15589740	147388.40	13.8	4965.36	228196	1362.5308 ng/ml