

**Worklist: 6513**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-3653	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3670	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3684	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3684	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3807	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3812	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3895	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2388	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2839	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2840	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2844	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2845	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2846	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2854	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2857	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2858	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2859	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2868	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2871	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2872	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2873	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 6513**

cg TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-2876	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



**Worklist: 6523**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-2226	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



**Worklist: 6524**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-2123		BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



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

CS TS

Extraction Date: 10/02/2023  
Plate lot#: **P1 Plate:** 230707 **Plate 2 Plate:** 230710  
Mobile phase A: 5mM Amm Form + 0.01% FA  
Blank Blood Lot: Lampire 23E52981 Column:  
Agilent 120 EC-C18 (2.1x 100-2.7um)

Analyst: Tamara Salazar  
Plate Retest Date: **P1 Plate:** 01/07/2024 **P2 Plate:** 01/10/2024  
Mobile phase B: 0.01% Formic Acid in MeOH  
Blank Urine Lot: N/A  
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. Pipette **250µL 0.5M 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/urine+base** mixture to corresponding wells of SLE+ plate. *Transferred: 250uL*
- 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.
- 16. 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.
- 17. 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 R<sup>2</sup> 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: AM 28 Panel 1 and Panel 2 extractions were performed at the same time. Analytical steps 1-5 were performed separately, steps 6-17 were performed on the same SLE/catcher plate.

Celena Shrum included case samples with both the Panel 1 and Panel 2 extractions. Tamara Salazar acted as the primary analyst and performed steps 4-17.

I, Celena Shrum, approve of all steps utilized in this method.

CS  
TS

## PANEL 1 COMMENTS:

Calibrators 3, 4, and 5 were re-injected as they did not inject properly with the initial injection.

**P1 compounds included in central file:** 7-aminoclonazepam, alpha-PPH, Alprazolam, Amphetamine, Benzoyllecgonine, Buprenorphine, Bupropion, Clonazepam, Cocaine, Methorphan, Duloxetine, Fentanyl, Fluorofentanyl, Fluoxetine, Ketamine, Lamotrigine, Lorazepam, Methamphetamine, Mirtazapine, Norbuprenorphine, Norfentanyl

## Curves Limited:

7-aminoclonazepam - 5-500 --calibrator 8 dropped due to accuracy

Amphetamine not evaluated due to poor compound response in calibrators 2, 3, and 4.

Buprenorphine not evaluated due to QC 10 ratio being outside acceptable parameters

Bupropion: 5-100 -- calibrator 6, 7, and 8 dropped due to accuracy -- **qualitative only**

Fentanyl: 0.5-50 -- calibrator 8 dropped due to accuracy

Lamotrigine: 5-500 -- calibrator 8 dropped due to accuracy

Methamphetamine: 5-500 -- calibrator 8 dropped due to accuracy

Norbuprenorphine: 1-100 -- calibrator 1 dropped due to peak shape/ratio/accuracy

## PANEL 2 COMMENTS:

**Panel 2 compounds included in central file:** Amitriptyline, Maprotiline, Midazolam, Nortriptyline, and Topiramate

Maprotiline: 5-50 --calibrators 5, 6, 7, and 8 dropped due to accuracy

Topiramate: 50-1000 -- calibrators 1, 2, and 3 dropped due to accuracy

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1							P2023-2868-1	P2023-2840-1	M2023-3670-2	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2							P2023-2859-1	P2023-2839-1	M2023-3653-1	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3							P2023-2858-1	P2023-2388-5	Neg Blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4						P2023-2906-1_CS	P2023-2857-1	M2023-3895-1	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2						P2023-2876-1	P2023-2854-1	M2023-3812-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6							P2023-2873-1	P2023-2846-1	M2023-3807-4	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7							P2023-2872-1	P2023-2845-1	M2023-3684-2	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8							P2023-2871-1	P2023-2844-1	M2023-3684-1	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

	1	2	3	4	5	6	7	8	9	10	11	12
A							IS + Cal. 8		P2023-2868-1	P2023-2840-1	M2023-3670-2	IS + Cal. 8
B						P2023-2123-1_CS	IS + Cal. 7		P2023-2859-1	P2023-2839-1	M2023-3653-1	IS + Cal. 7
C						P2023-2226-1	IS + Cal. 6		P2023-2858-1	P2023-2388-5	Neg Blood	IS + Cal. 6
D						Neg Blood	IS + Cal. 5	P2023-2906-1_CS	P2023-2857-1	M2023-3895-1	IS + QC_2	IS + Cal. 5
E						IS + QC_4	IS + Cal. 4	P2023-2876-1	P2023-2854-1	M2023-3812-1	IS + QC_4	IS + Cal. 4
F						IS + QC_3	IS + Cal. 3	P2023-2873-1	P2023-2846-1	M2023-3807-4	IS + QC_3	IS + Cal. 3
G						IS + QC_2	IS + Cal. 2	P2023-2872-1	P2023-2845-1	M2023-3684-2	IS + QC_2	IS + Cal. 2
H						IS + QC_1	IS + Cal. 1	P2023-2871-1	P2023-2844-1	M2023-3684-1	IS + QC_1	IS + Cal. 1

P2



CS TS



# AM #28 Multi-Drug Quant. Results

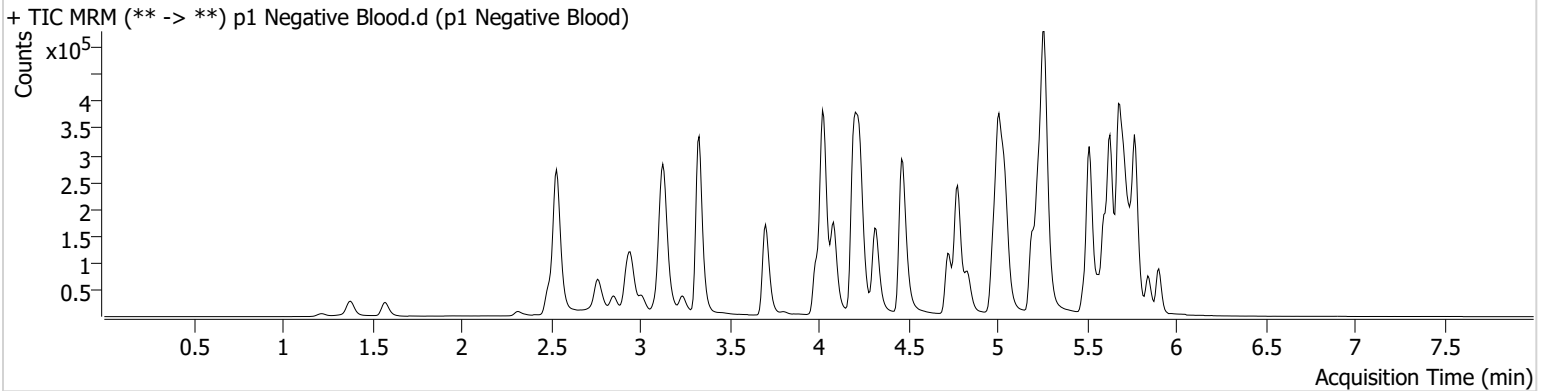
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**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument Type** Falco (069901)  
**Sample Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-C11  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 7:36:46 PM  
**Sample Info.**

**Data File** p1 Negative Blood.d  
**Sample** p1 Negative Blood  
**Operator** Tamara Salazar

**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



CS TS



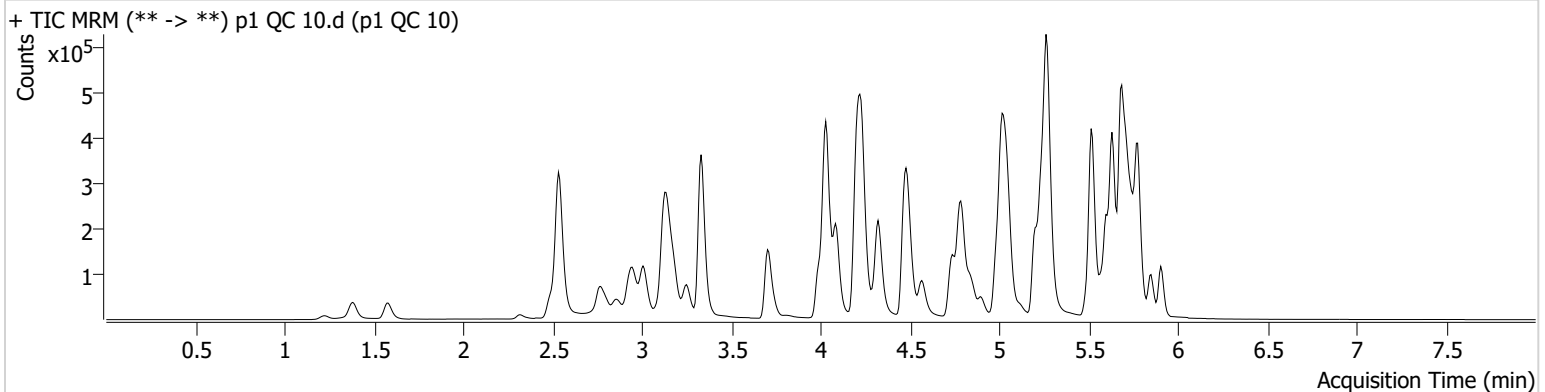
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case  
Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901) **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-H11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 6:22:22 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.
7-aminoclonazepam	4.211	27885	84.38	71.3	120.23	114269	11.3760 ng/ml
alpha-PHP	4.902	26412	594.33	260.0	16650.88	385090	10.5449 ng/ml
Alprazolam	5.733	49477	458.33	108.8	404.81	194501	10.4914 ng/ml
Amphetamine	3.009	151129	824.92	49.8	2132.82	244678	15.6901 ng/ml
Benzoylcegonine	3.837	2854	38.60	7.7	420.33	9420	10.1181 ng/ml
Buprenorphine	5.694	2181	578.25	11.6 <b>Low</b>	11.33	80840	0.9737 ng/ml
Bupropion	4.751	90077	251.85	66.3	870.70	281444	9.0728 ng/ml
Clonazepam	5.575	56979	14838.32	35.5	131.60	80089	10.4363 ng/ml
Cocaine	4.231	64781	4769.90	53.9	72.91	571908	9.7483 ng/ml
Dextromethorphan	5.243	51402	772.39	82.6	59.43	231662	10.0772 ng/ml
Duloxetine	5.631	11207	131.78	15.8	321.14	61313	10.1119 ng/ml
Fentanyl	5.062	8231	95.46	79.2	8825.06	428501	0.9585 ng/ml
Fluorofentanyl	5.116	21573	∞	38.9	598.19	4040	0.9298 ng/ml
Fluoxetine	5.685	118296	1044.60	7.9	11758.48	408296	9.8726 ng/ml
Ketamine	4.003	60784	349.21	36.4	420.28	247750	10.4323 ng/ml
Lamotrigine	4.233	5665	206.18	88.4	5131.66	745428	10.1887 ng/ml
Lorazepam	5.711	46976	692.93	53.0	142.04	314632	10.6537 ng/ml
Methamphetamine	3.184	134349	436.35	38.7	881.01	516158	9.4502 ng/ml
Mirtazapine	4.566	134597	4827.83	49.3	798.09	385090	10.3051 ng/ml
Norbuprenorphine	4.971	337	411.05	115.5	512.04	13765	0.8121 ng/ml
Norfentanyl	4.050	14356	454.69	38.2	84.48	597304	0.9681 ng/ml

CS TS



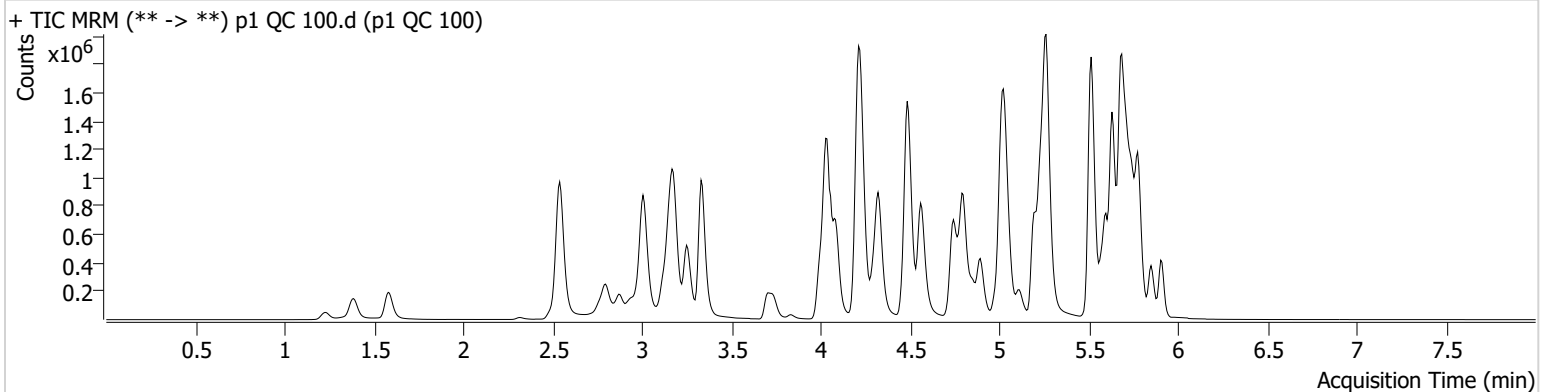
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-G11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/3/2023 4:07:11 AM  
**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.
7-aminoclonazepam	4.204	280206	17564.91	76.8	20910.00	128963	104.7266 ng/ml
alpha-PHP	4.895	282088	3200.44	264.1	2921.21	412963	103.6110 ng/ml
Alprazolam	5.733	483750	2274.20	107.9	1696.00	185739	102.2903 ng/ml
Amphetamine	3.009	1605682	1770.20	48.2	3624.02	266066	206.8434 ng/ml
Benzoylcegonine	3.831	31590	908.81	7.9	418.23	11419	95.9525 ng/ml
Buprenorphine	5.694	23510	19416.18	15.4	6218.56	84726	10.0989 ng/ml
Bupropion	4.745	1018815	247386.65	66.9	588.95	331771	73.3446 ng/ml
Clonazepam	5.575	543824	3629.67	36.2	625702.94	81294	105.9670 ng/ml
Cocaine	4.231	683547	964063.86	56.7	26617.04	592878	99.3081 ng/ml
Dextromethorphan	5.236	552352	18838.48	77.9	656258.33	247798	99.8603 ng/ml
Duloxetine	5.624	112492	14452.39	13.8	27392.61	60845	98.5245 ng/ml
Fentanyl	5.055	91753	12996.54	75.2	51100.23	460337	9.9490 ng/ml
Fluorofentanyl	5.109	248768	8577.96	38.7	29509.40	4996	9.0965 ng/ml
Fluoxetine	5.685	1138954	4366.41	7.6	308621.85	397109	97.7062 ng/ml
Ketamine	4.003	646974	784.27	35.3	2201.08	270783	109.8507 ng/ml
Lamotrigine	4.233	56412	4779.19	88.9	62268.44	780727	101.2576 ng/ml
Lorazepam	5.711	352198	15765.10	51.9	1278.48	255635	110.3975 ng/ml
Methamphetamine	3.184	1402602	2940.58	38.6	3905.21	575724	100.9272 ng/ml
Mirtazapine	4.560	1440396	2870.68	49.6	3399.47	412963	101.1970 ng/ml
Norbuprenorphine	4.964	3201	1538.52	108.8	898.33	14880	10.5237 ng/ml
Norfentanyl	4.050	150056	5675.48	37.0	374.46	586276	9.5864 ng/ml

CS TS



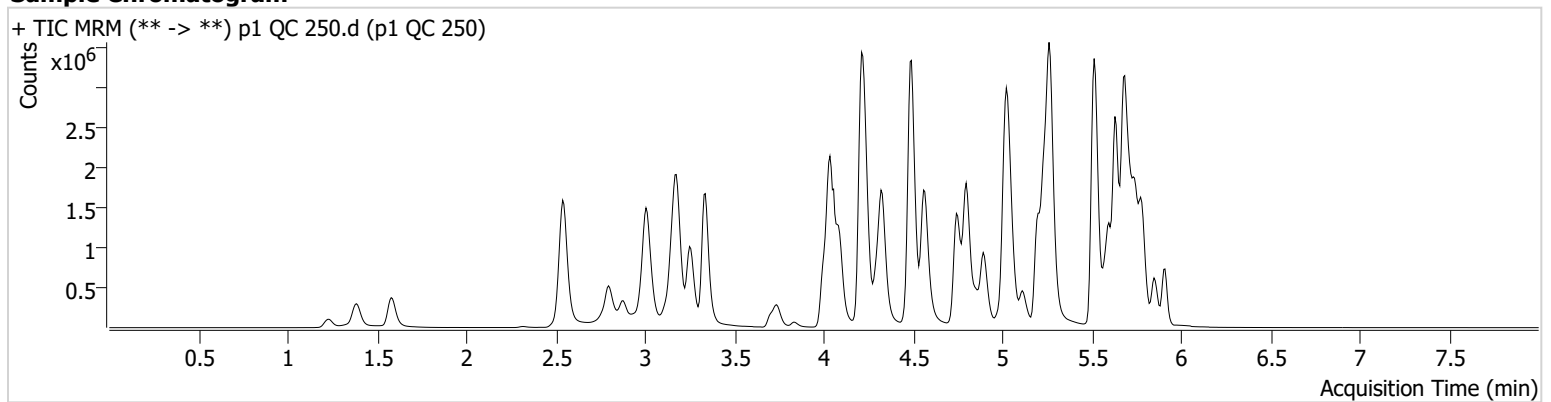
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-F11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 6:43:37 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.
7-aminoclonazepam	4.204	465460	1622.41	76.6	209.52	96331	233.4286 ng/ml
alpha-PHP	4.902	632900	5644.18	262.1	8204.65	362801	264.3611 ng/ml
Alprazolam	5.733	967777	735.91	104.0	543.33	148050	255.8963 ng/ml
Amphetamine	3.009	3001527	2880.72	48.4	3312.50	233581	447.3243 ng/ml
Benzoylcegonine	3.837	72353	140.70	8.1	128.88	9779	257.3566 ng/ml
Buprenorphine	5.694	46950	1964.73	15.4	5918.72	70122	24.3808 ng/ml
Bupropion	4.745	2241509	3059.03	68.8	3190.31	297421	177.6838 ng/ml
Clonazepam	5.575	1001368	15397.57	37.9	4653.11	59827	266.5362 ng/ml
Cocaine	4.231	1432671	1139.91	56.2	639043.09	498387	247.6197 ng/ml
Dextromethorphan	5.243	1104279	2792.13	78.0	1400.62	199157	248.1769 ng/ml
Duloxetine	5.624	209605	23892.77	14.2	15325.17	44836	248.4994 ng/ml
Fentanyl	5.062	210177	∞	74.6	540.53	399699	26.2480 ng/ml
Fluorofentanyl	5.109	575281	∞	37.1	121953.44	4194	25.1455 ng/ml
Fluoxetine	5.685	2085484	36630.32	8.1	122451.43	294642	241.1178 ng/ml
Ketamine	4.003	1331443	1319.24	36.3	2897.21	240003	256.3104 ng/ml
Lamotrigine	4.240	107629	996.36	88.3	133253.44	615454	245.8007 ng/ml
Lorazepam	5.711	433911	8363.47	51.7	2494.92	147371	237.5995 ng/ml
Methamphetamine	3.184	2955047	36303.75	38.2	11263.24	527677	233.9360 ng/ml
Mirtazapine	4.566	3143702	4357.46	49.2	61479.33	362801	251.1317 ng/ml
Norbuprenorphine	4.971	7575	28007.55	98.1	7194.98	14716	25.7871 ng/ml
Norfentanyl	4.050	290183	11806.85	37.4	1372.52	439288	24.6231 ng/ml

CS TS



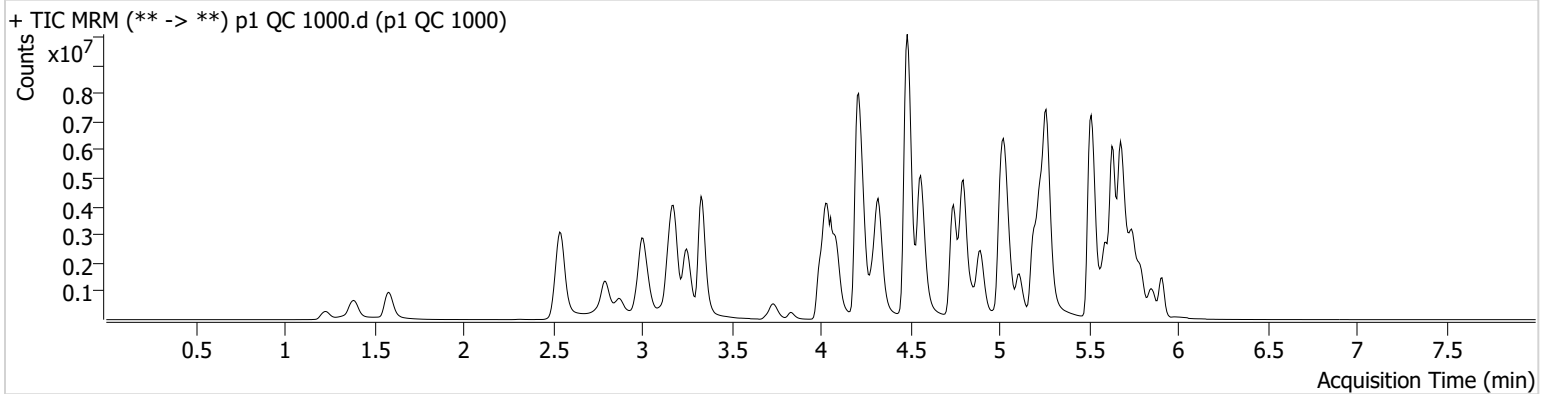
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-E11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 7:04:53 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**



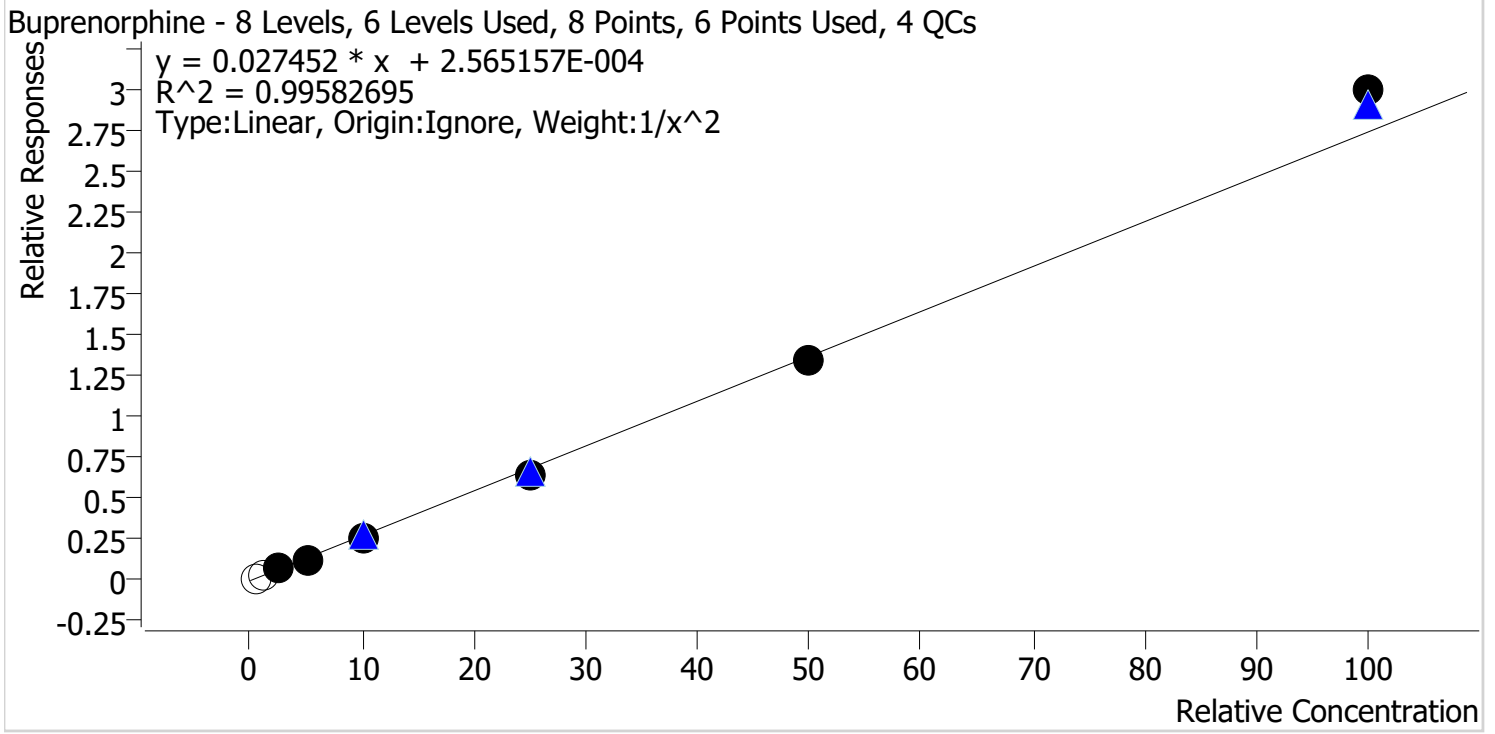
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.197	891738	6536.52	76.6	9663.85	76421	564.3346 ng/ml
alpha-PHP	4.895	1871567	27517.57	258.1	152079.19	246145	1151.7160 ng/ml
Alprazolam	5.733	2075434	457.46	105.3	521.25	80558	1006.9182 ng/ml
Amphetamine	3.009	6213609	3813.38	48.5	2335.48	202751	1075.2916 ng/ml
Benzoylcegonine	3.831	286396	45242.57	8.0	980.11	9657	1032.9053 ng/ml
Buprenorphine	5.694	106470	471910.69	15.4	30274.68	36417	106.4933 ng/ml
Bupropion	4.745	6946019	450795.61	66.3	77924.89	245627	662.3253 ng/ml
Clonazepam	5.575	1756846	∞	35.6	149348.58	31698	884.7512 ng/ml
Cocaine	4.231	3804425	629.02	53.9	201524.09	316662	1034.9284 ng/ml
Dextromethorphan	5.236	2358990	83178.34	77.9	1216281.07	106594	990.0895 ng/ml
Duloxetine	5.624	324087	8626.72	15.1	663.82	17781	967.6792 ng/ml
Fentanyl	5.055	706527	2612.48	76.1	71276.80	283830	124.2566 ng/ml
Fluorofentanyl	5.109	2126500	62509.65	37.9	22811.22	3948	98.8996 ng/ml
Fluoxetine	5.691	4043886	573210.65	7.6	575492.66	134350	1025.3540 ng/ml
Ketamine	3.996	3529354	6615.41	36.3	2865.30	191991	851.5106 ng/ml
Lamotrigine	4.240	185251	16586.27	91.4	2227.71	361582	721.1162 ng/ml
Lorazepam	5.711	374091	32453.48	53.2	510.66	34839	870.3784 ng/ml
Methamphetamine	3.178	8240727	39578.40	37.0	13714.14	477736	723.6772 ng/ml
Mirtazapine	4.560	9915430	288462.51	45.7	323191.37	246145	1166.8115 ng/ml
Norbuprenorphine	4.964	25768	7300.15	97.6	29169.20	11786	110.9394 ng/ml
Norfentanyl	4.050	550506	12872.17	37.2	2800.24	181477	112.8048 ng/ml

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	98.0
p1 Cal 2-10ng	2	x	1.0	0.9	94.1
p1 Cal 3 -25ng_r	3	✓	2.5	2.6	102.6
p1 Cal 4-50ng_r	4	✓	5.0	4.8	96.7
p1 Cal 5-100ng_r	5	✓	10.0	9.8	97.6
p1 Cal 6-250ng	6	✓	25.0	23.8	95.2
p1 Cal 7-500ng	7	✓	50.0	49.3	98.6
p1 Cal 8-1000ng	8	✓	100.0	109.3	109.3

Compound not evaluated.

CS TS



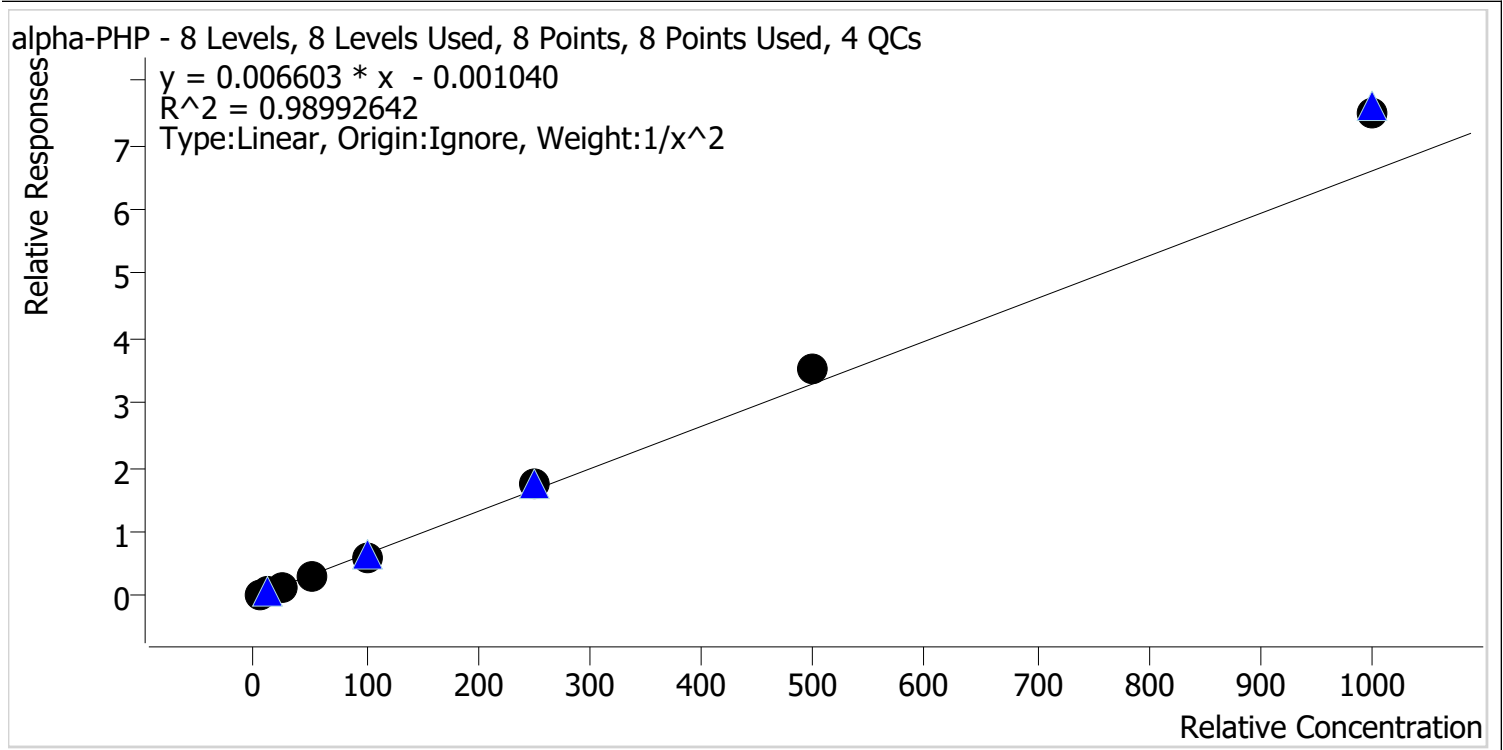
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin

**Last Cal. Update** 10/11/2023 8:21 AM

**Analyst Name** ISP\Datastor

**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8



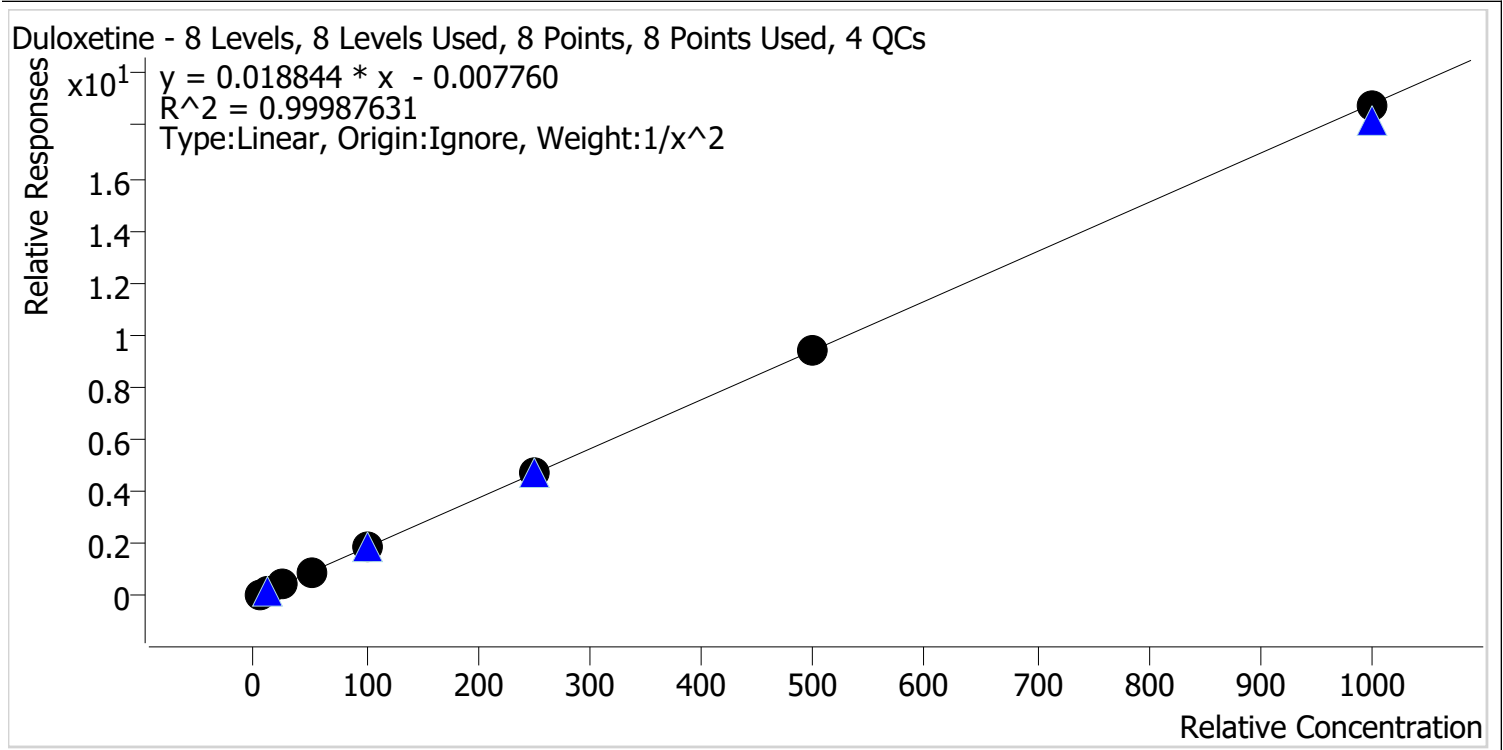
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng_r	3	✓	25.0	22.3	89.3
p1 Cal 4-50ng_r	4	✓	50.0	45.5	91.0
p1 Cal 5-100ng_r	5	✓	100.0	91.8	91.8
p1 Cal 6-250ng	6	✓	250.0	262.8	105.1
p1 Cal 7-500ng	7	✓	500.0	532.5	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1137.3	113.7

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng_r	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng_r	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng_r	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	995.2	99.5



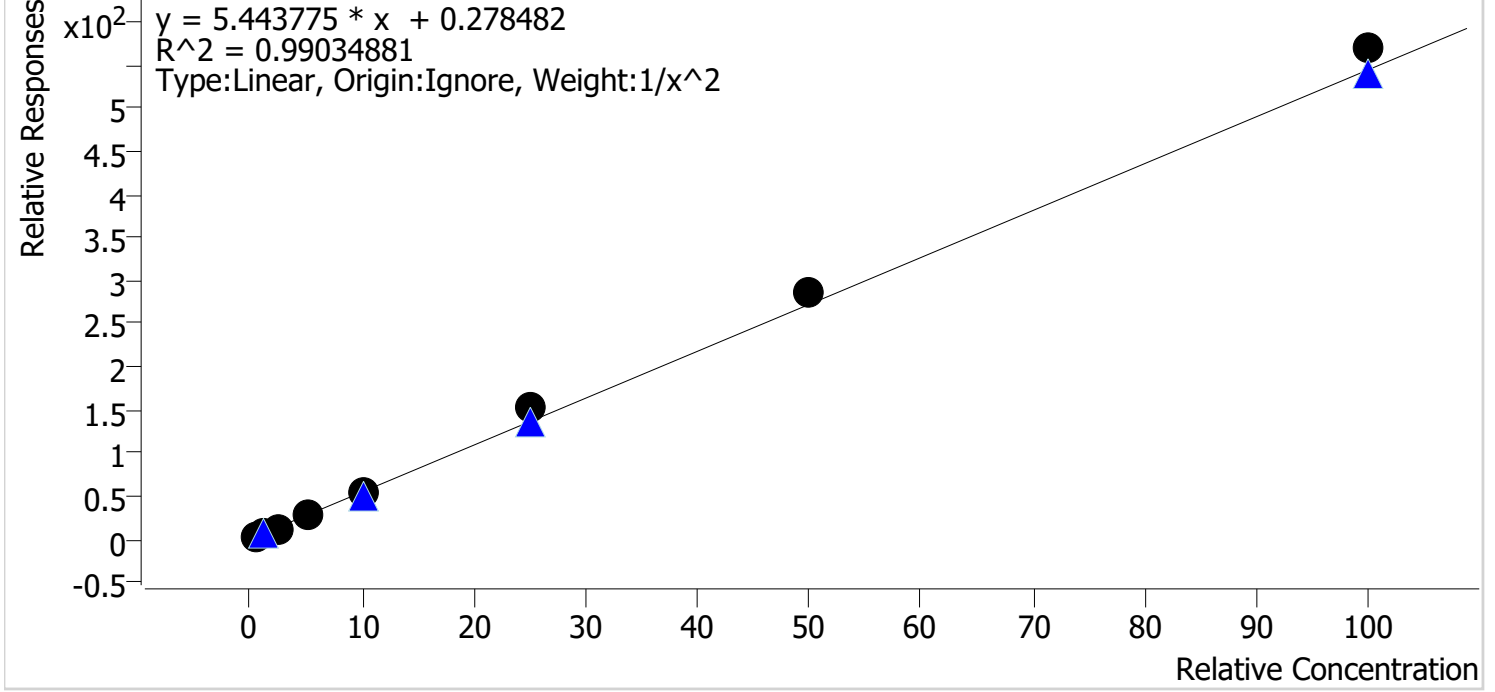
CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

Fluorofentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	106.1
p1 Cal 2-10ng	2	✓	1.0	0.9	94.2
p1 Cal 3 -25ng_r	3	✓	2.5	2.1	85.1
p1 Cal 4-50ng_r	4	✓	5.0	4.8	95.6
p1 Cal 5-100ng_r	5	✓	10.0	9.7	97.1
p1 Cal 6-250ng	6	✓	25.0	28.1	112.2
p1 Cal 7-500ng	7	✓	50.0	52.5	105.0
p1 Cal 8-1000ng	8	✓	100.0	104.6	104.6

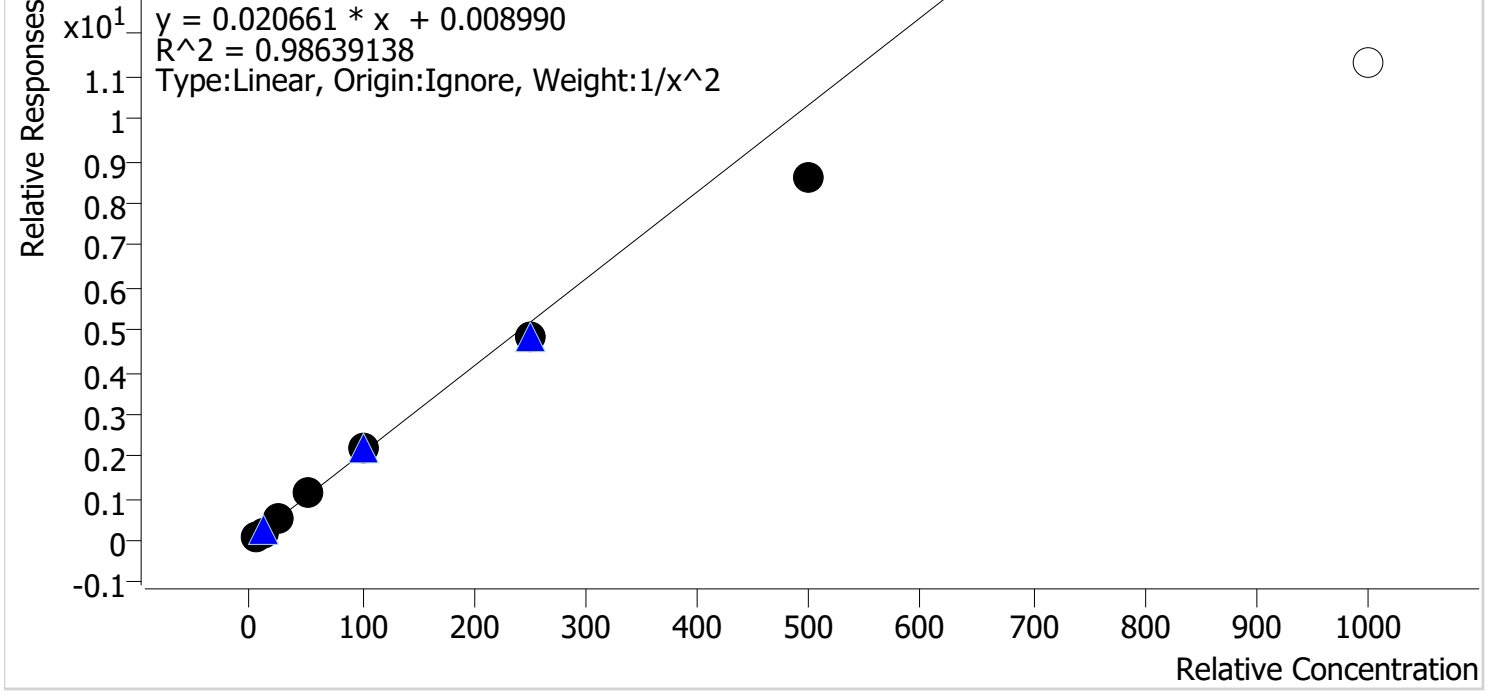
CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



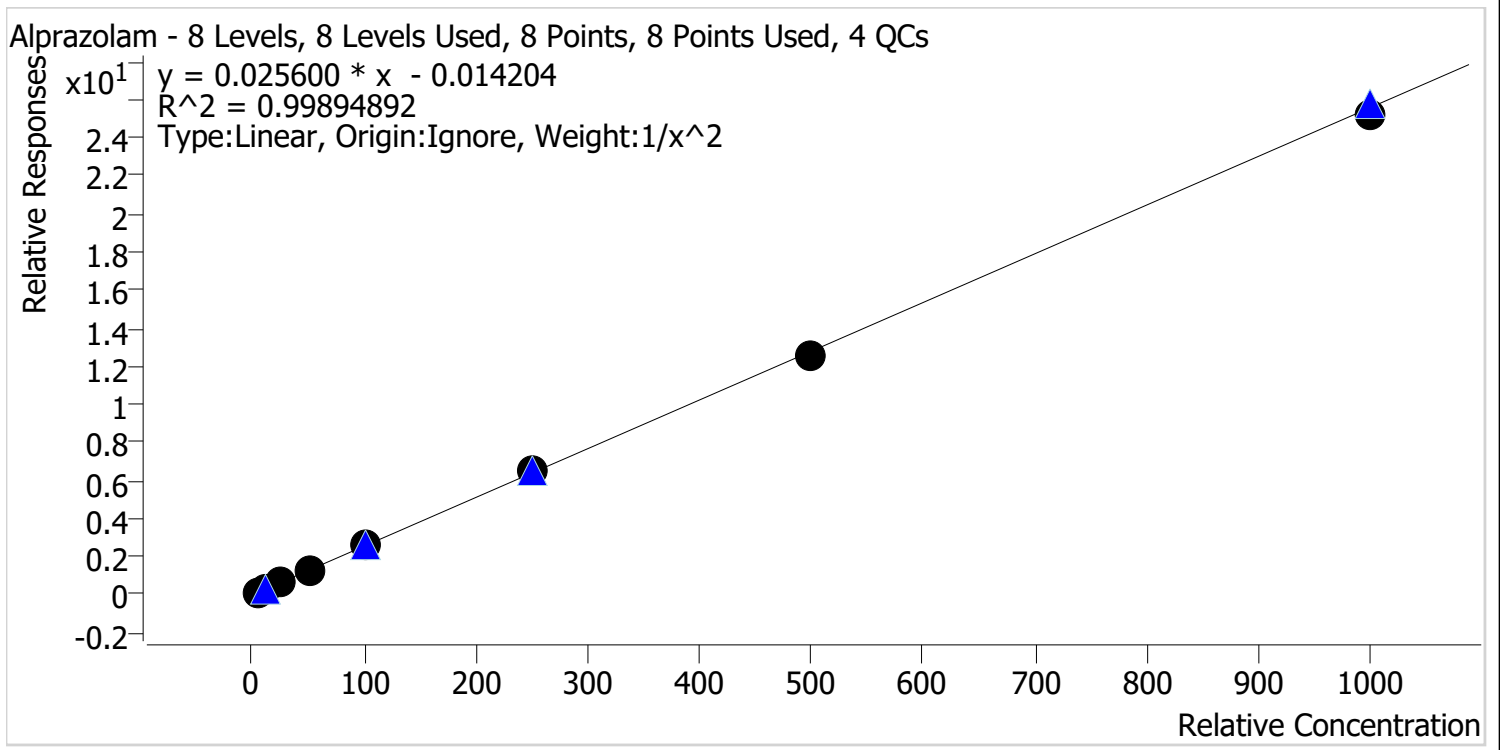
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng_r	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng_r	4	✓	50.0	55.4	110.7
p1 Cal 5-100ng_r	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	232.8	93.1
p1 Cal 7-500ng	7	✓	500.0	414.4	82.9
p1 Cal 8-1000ng	8	x	1000.0	549.3	54.9

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Dastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



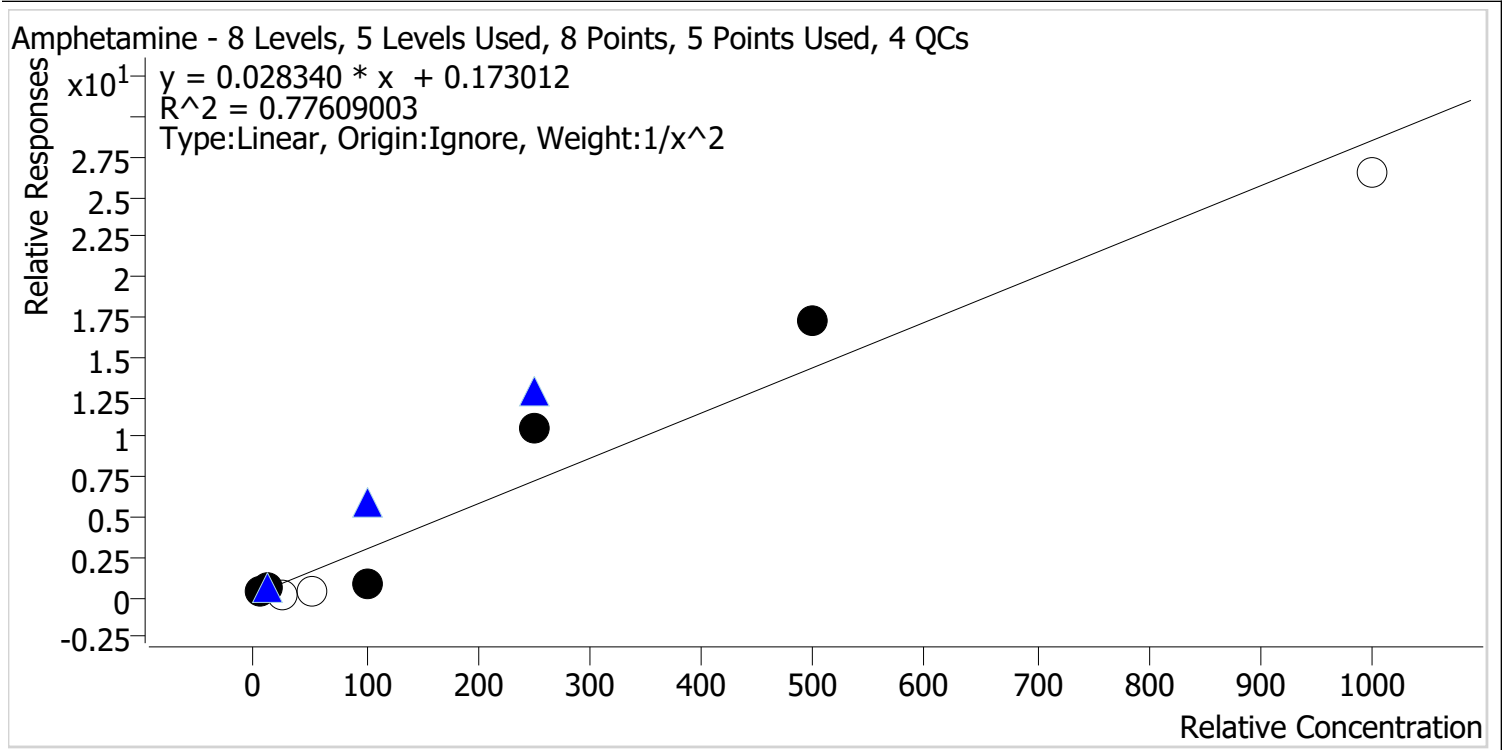
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng_r	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng_r	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng_r	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	490.3	98.1
p1 Cal 8-1000ng	8	✓	1000.0	988.6	98.9

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	11.4	114.1
p1 Cal 3 -25ng_r	3	✗	25.0	0.5	2.1
p1 Cal 4-50ng_r	4	✗	50.0	10.0	20.0
p1 Cal 5-100ng_r	5	✓	100.0	23.2	23.2
p1 Cal 6-250ng	6	✓	250.0	365.6	146.3
p1 Cal 7-500ng	7	✓	500.0	603.8	120.8
p1 Cal 8-1000ng	8	✗	1000.0	926.5	92.6

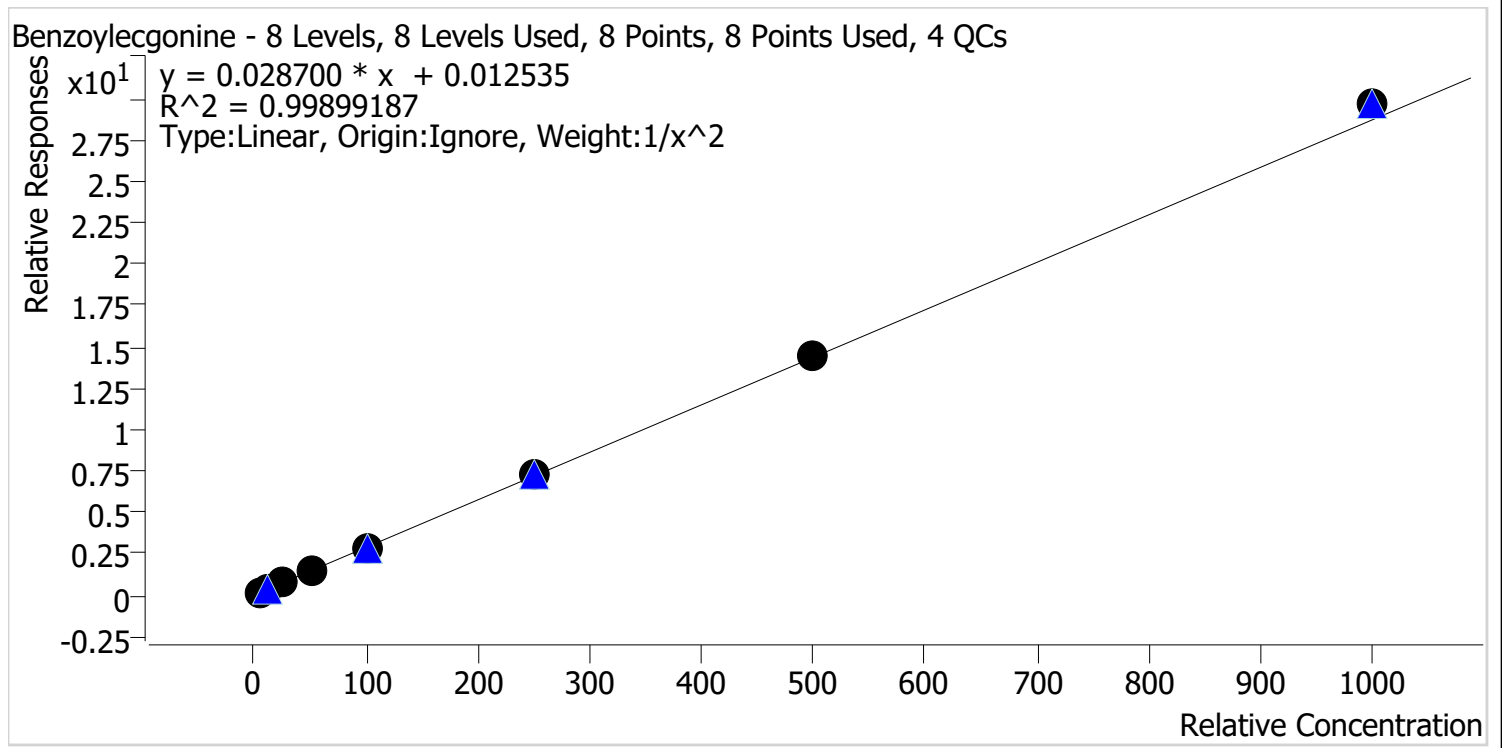
Compound not evaluated.

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8



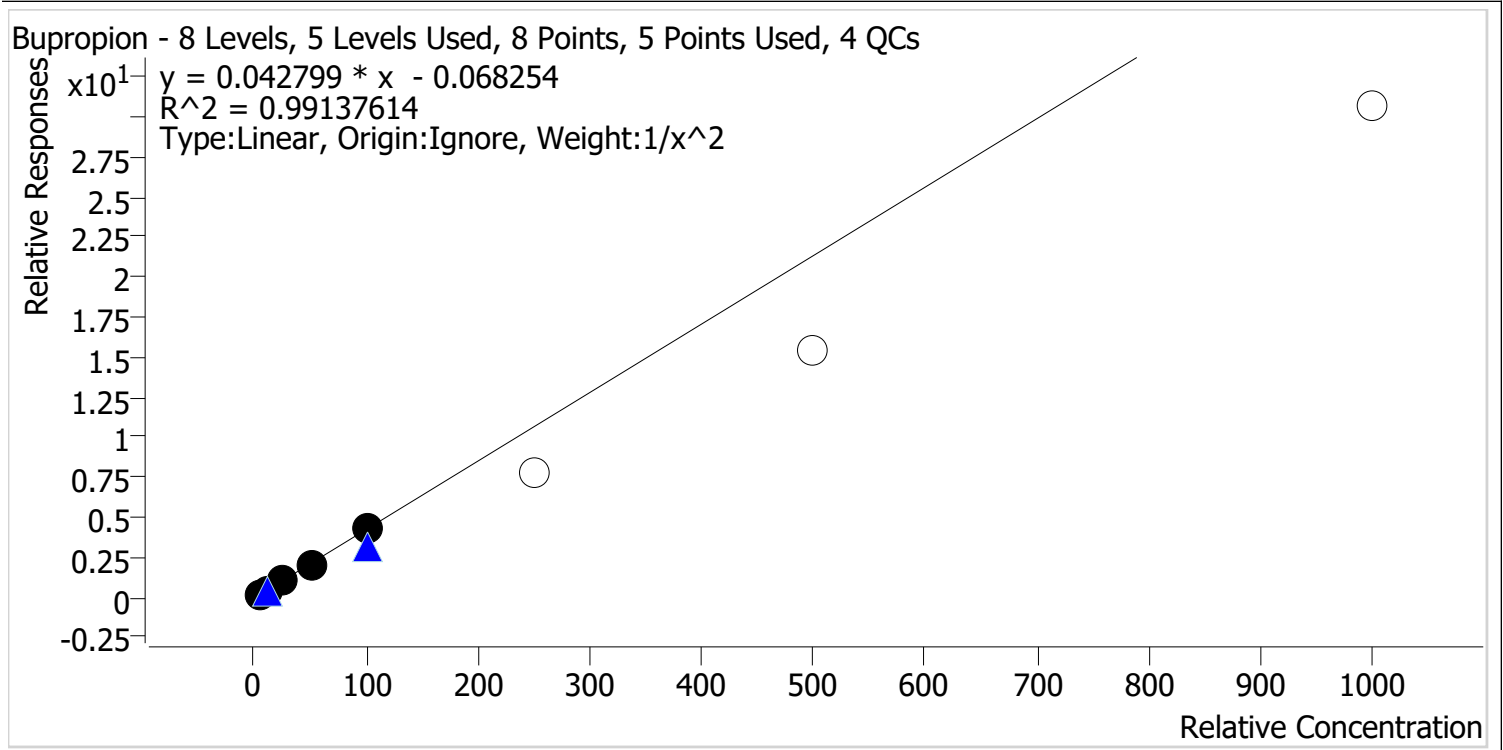
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng_r	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng_r	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng_r	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1031.0	103.1

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2-10ng	2	✓	10.0	8.8	88.2
p1 Cal 3 -25ng_r	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng_r	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng_r	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✗	250.0	182.6	73.1
p1 Cal 7-500ng	7	✗	500.0	364.2	72.8
p1 Cal 8-1000ng	8	✗	1000.0	718.2	71.8

CS TS



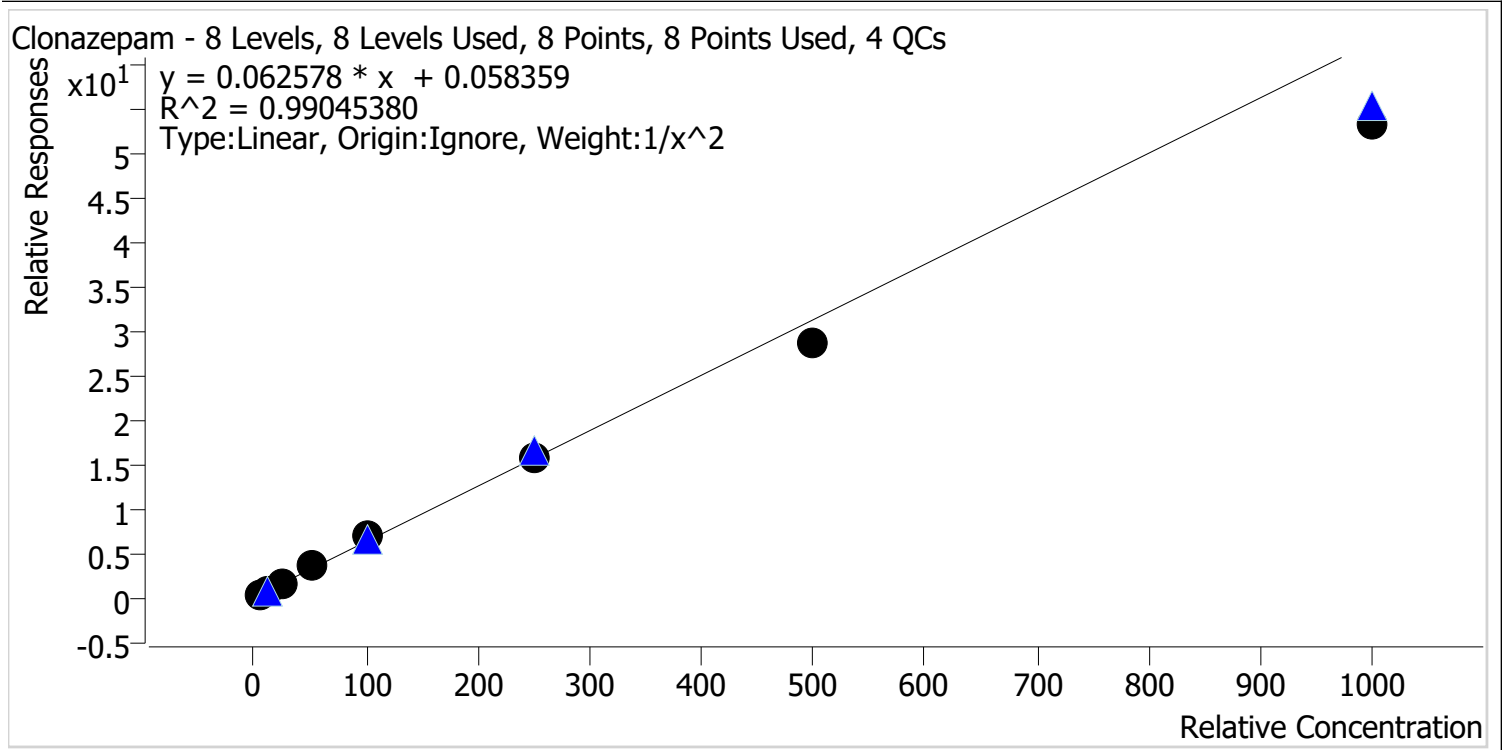
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin

**Last Cal. Update** 10/11/2023 8:21 AM

**Analyst Name** ISP\Datastor

**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



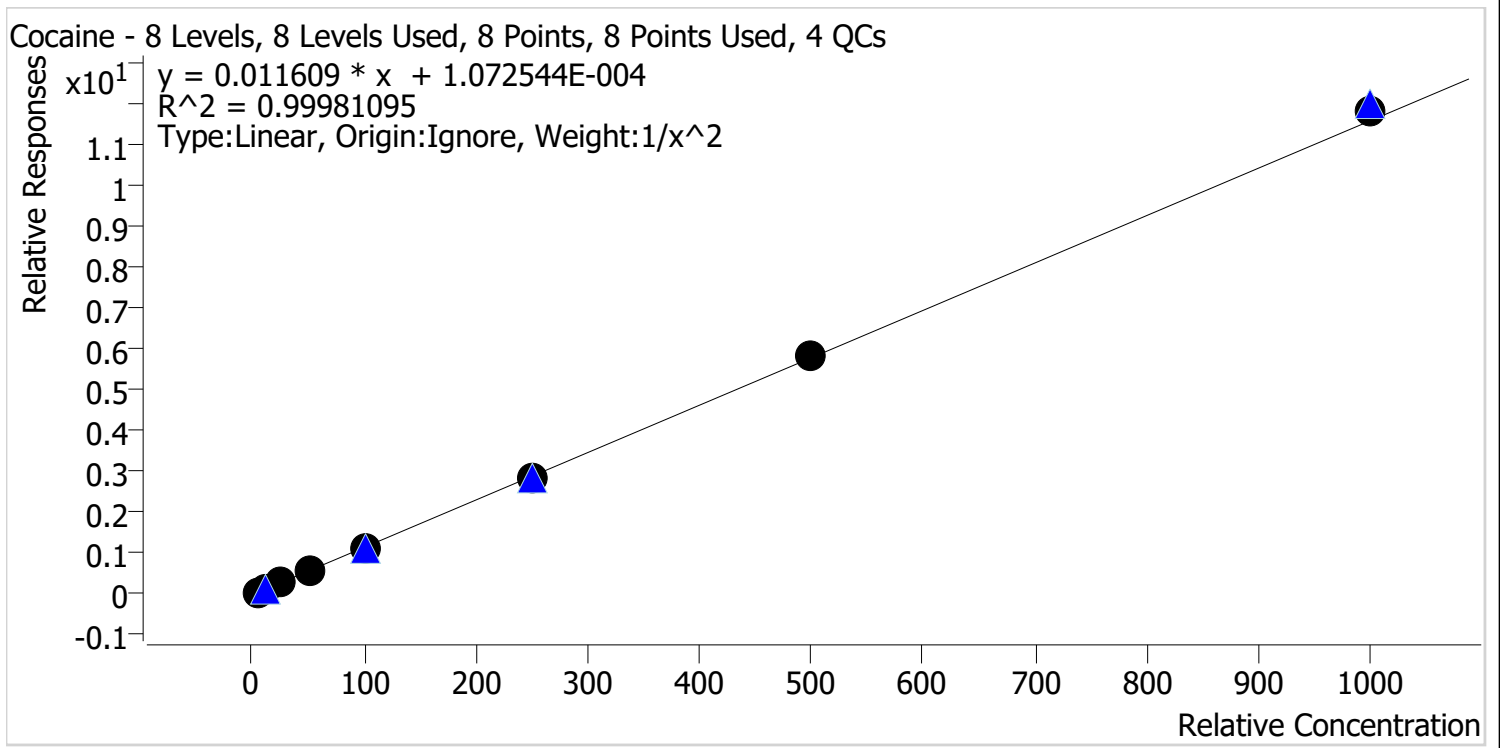
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3-25ng_r	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng_r	4	✓	50.0	54.4	108.7
p1 Cal 5-100ng_r	5	✓	100.0	108.0	108.0
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	455.7	91.1
p1 Cal 8-1000ng	8	✓	1000.0	854.8	85.5

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng_r	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng_r	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng_r	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	503.7	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1017.6	101.8

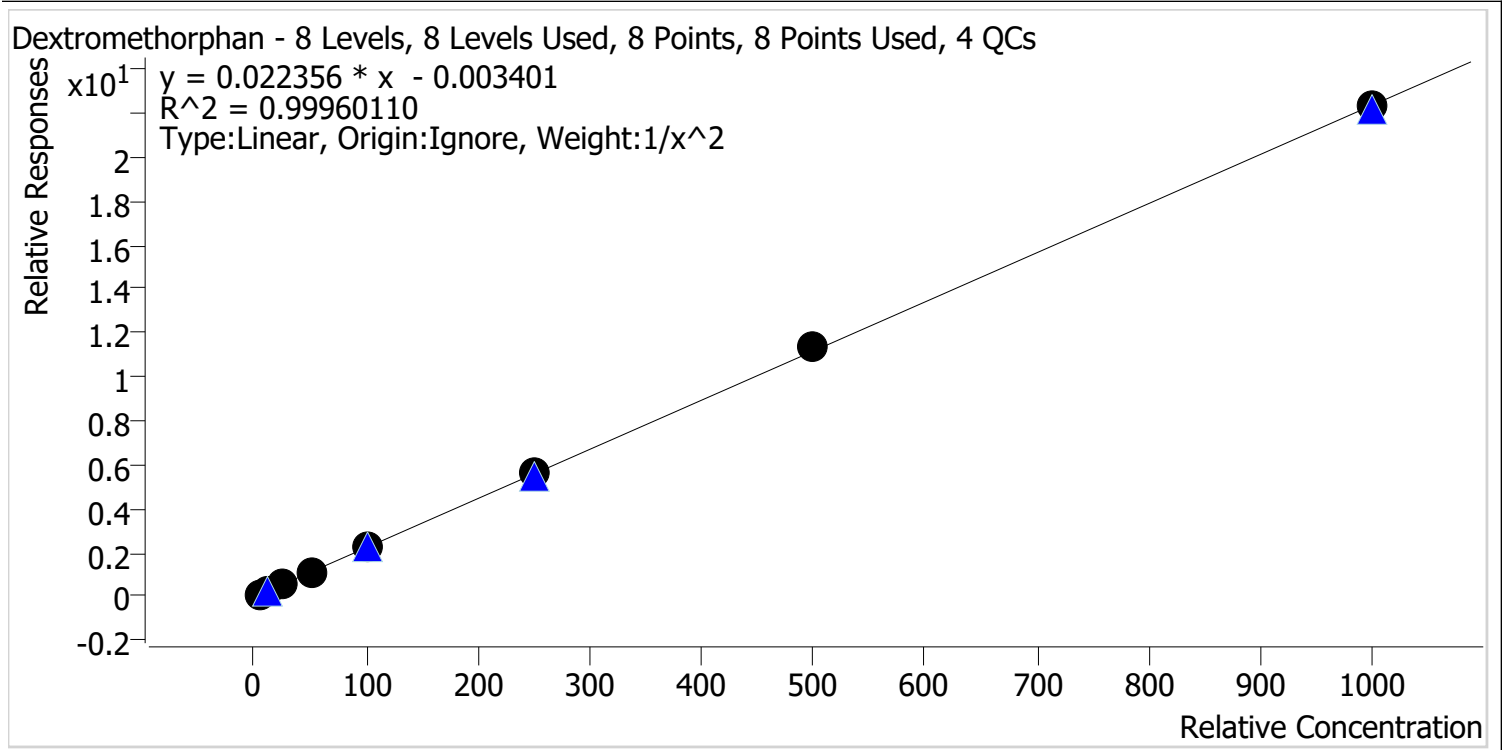


CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



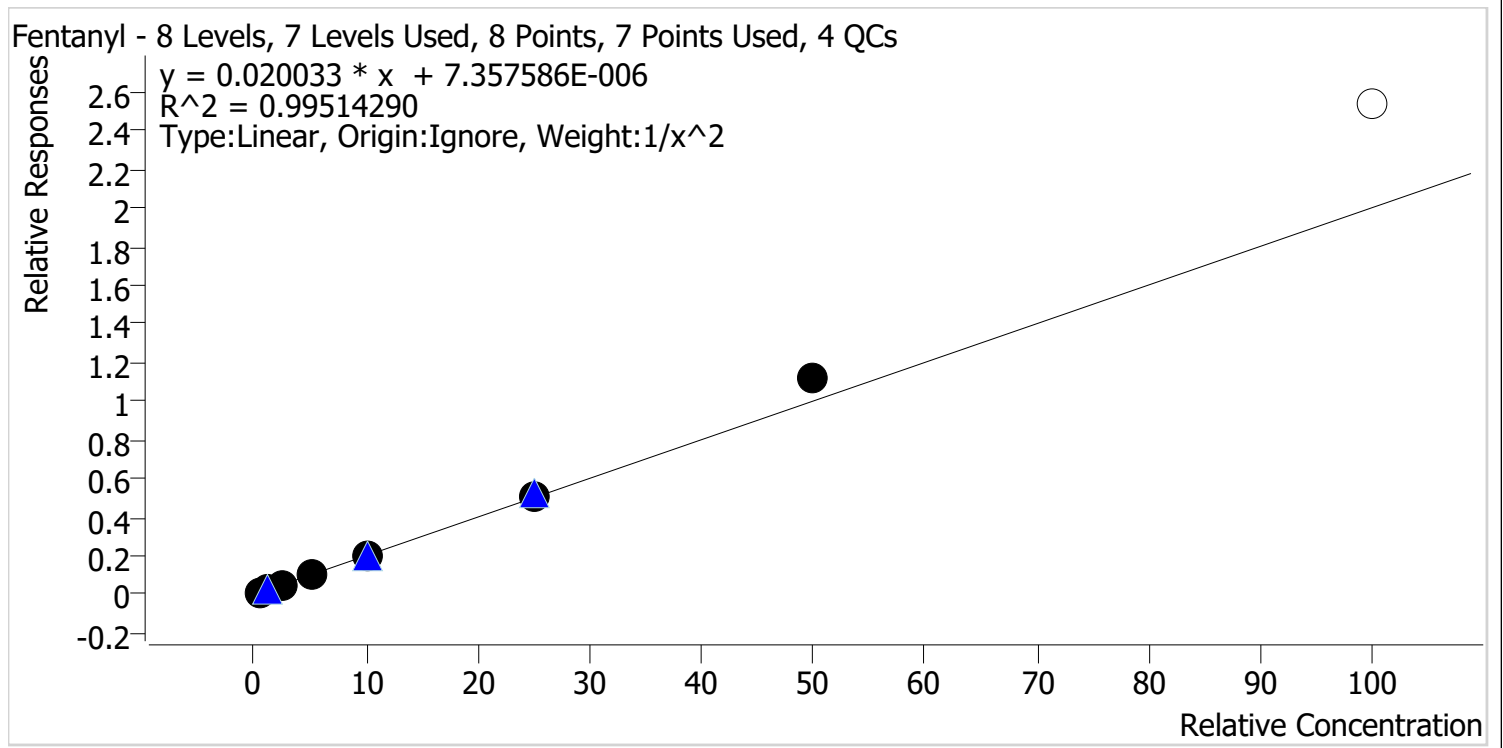
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng_r	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng_r	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng_r	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	510.6	102.1
p1 Cal 8-1000ng	8	✓	1000.0	998.0	99.8

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.0
p1 Cal 2-10ng	2	✓	1.0	1.0	97.4
p1 Cal 3 -25ng_r	3	✓	2.5	2.3	93.8
p1 Cal 4-50ng_r	4	✓	5.0	4.8	95.7
p1 Cal 5-100ng_r	5	✓	10.0	9.7	97.0
p1 Cal 6-250ng	6	✓	25.0	25.5	102.0
p1 Cal 7-500ng	7	✓	50.0	55.6	111.1
p1 Cal 8-1000ng	8	x	100.0	126.7	126.7

CS TS



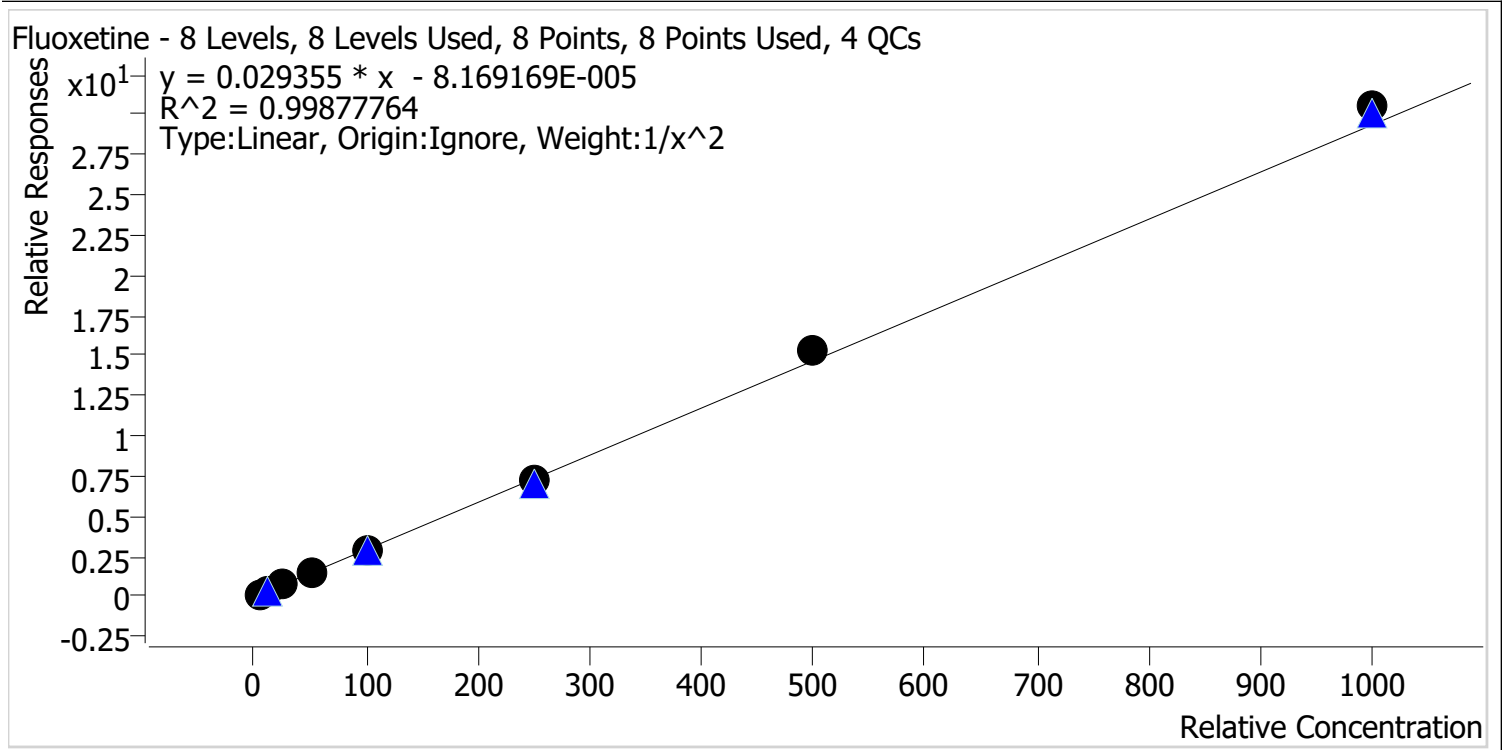
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin

**Last Cal. Update** 10/11/2023 8:21 AM

**Analyst Name** ISP\Datastor

**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



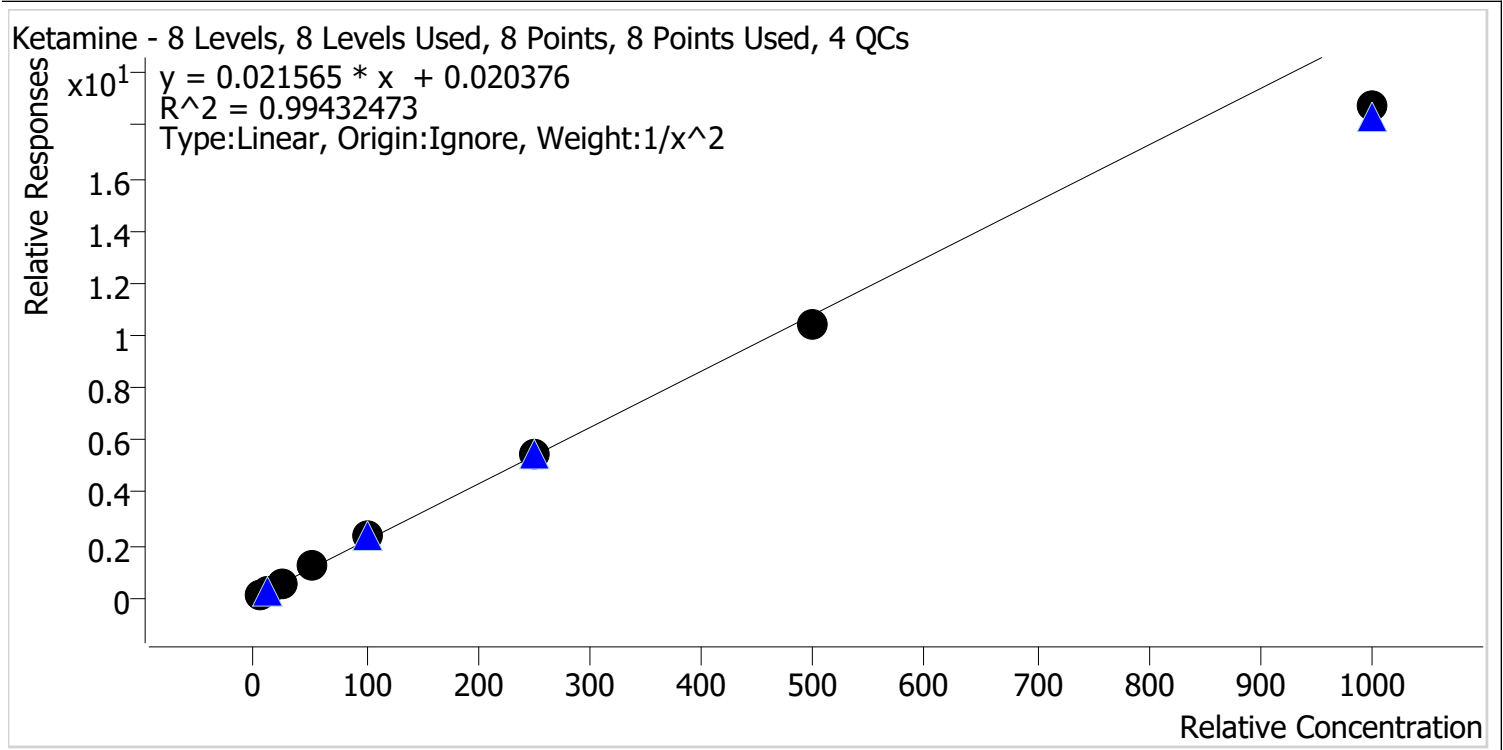
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng_r	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng_r	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng_r	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	521.1	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1039.6	104.0

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng_r	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng_r	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng_r	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	483.4	96.7
p1 Cal 8-1000ng	8	✓	1000.0	868.7	86.9

CS TS



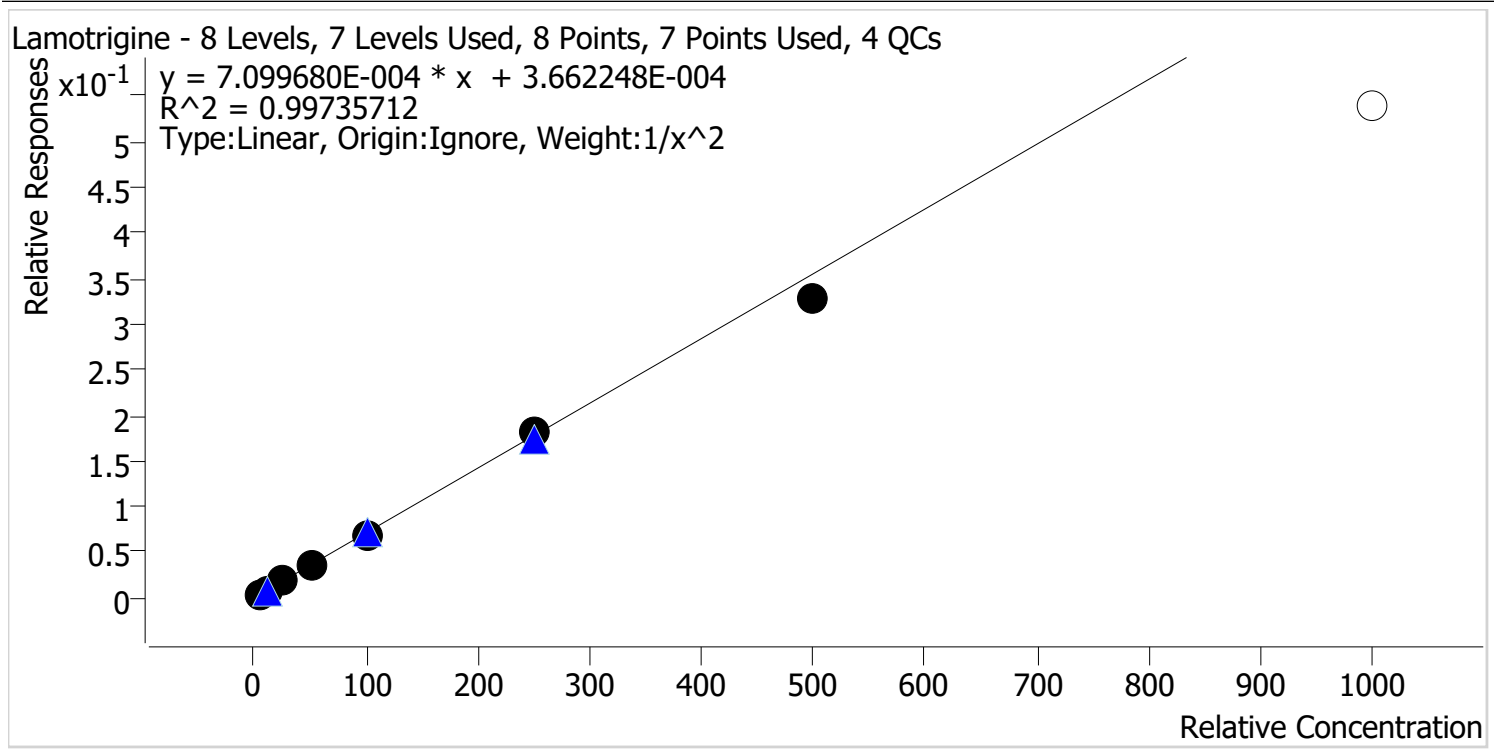
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin

**Last Cal. Update** 10/11/2023 8:21 AM

**Analyst Name** ISP\Datastor

**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3



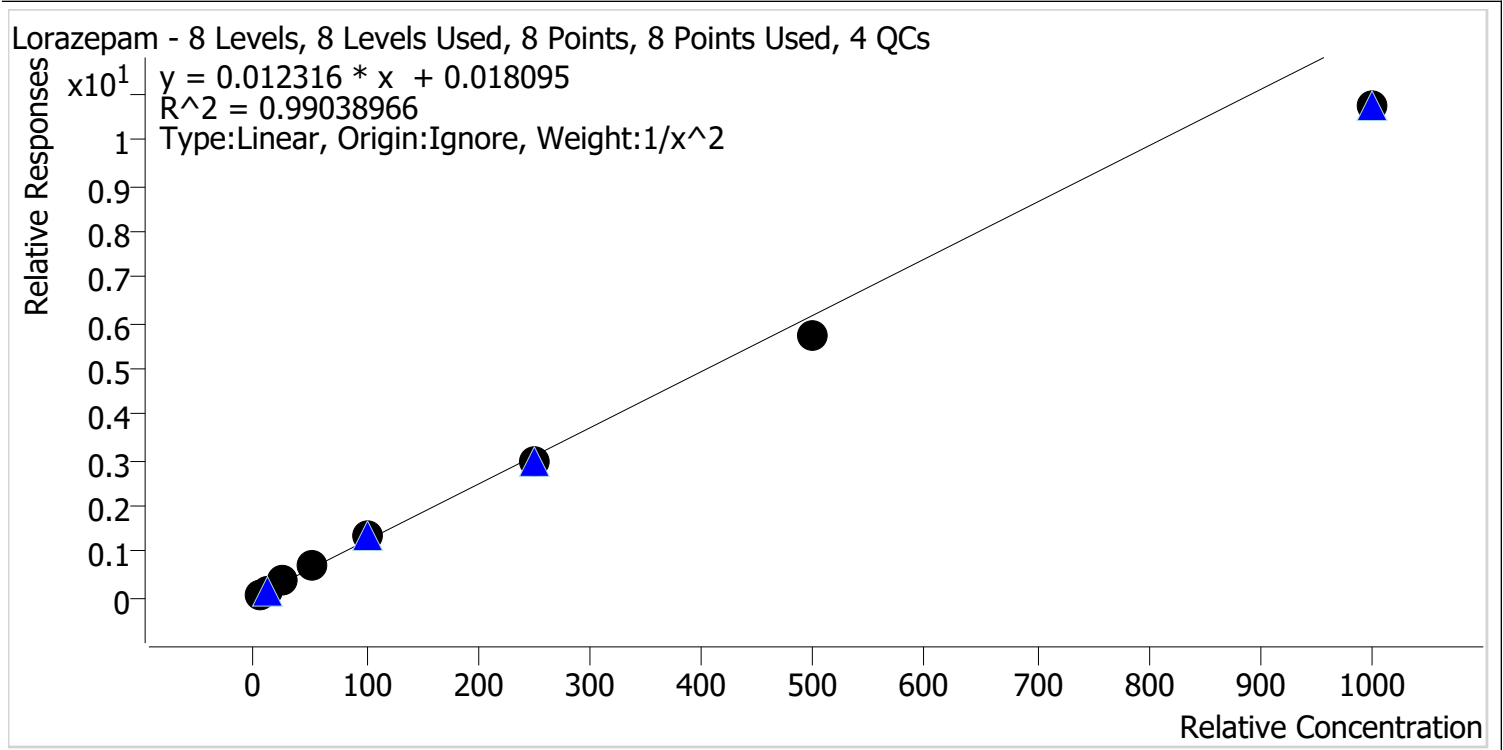
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng_r	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng_r	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng_r	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	463.5	92.7
p1 Cal 8-1000ng	8	x	1000.0	758.6	75.9

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5



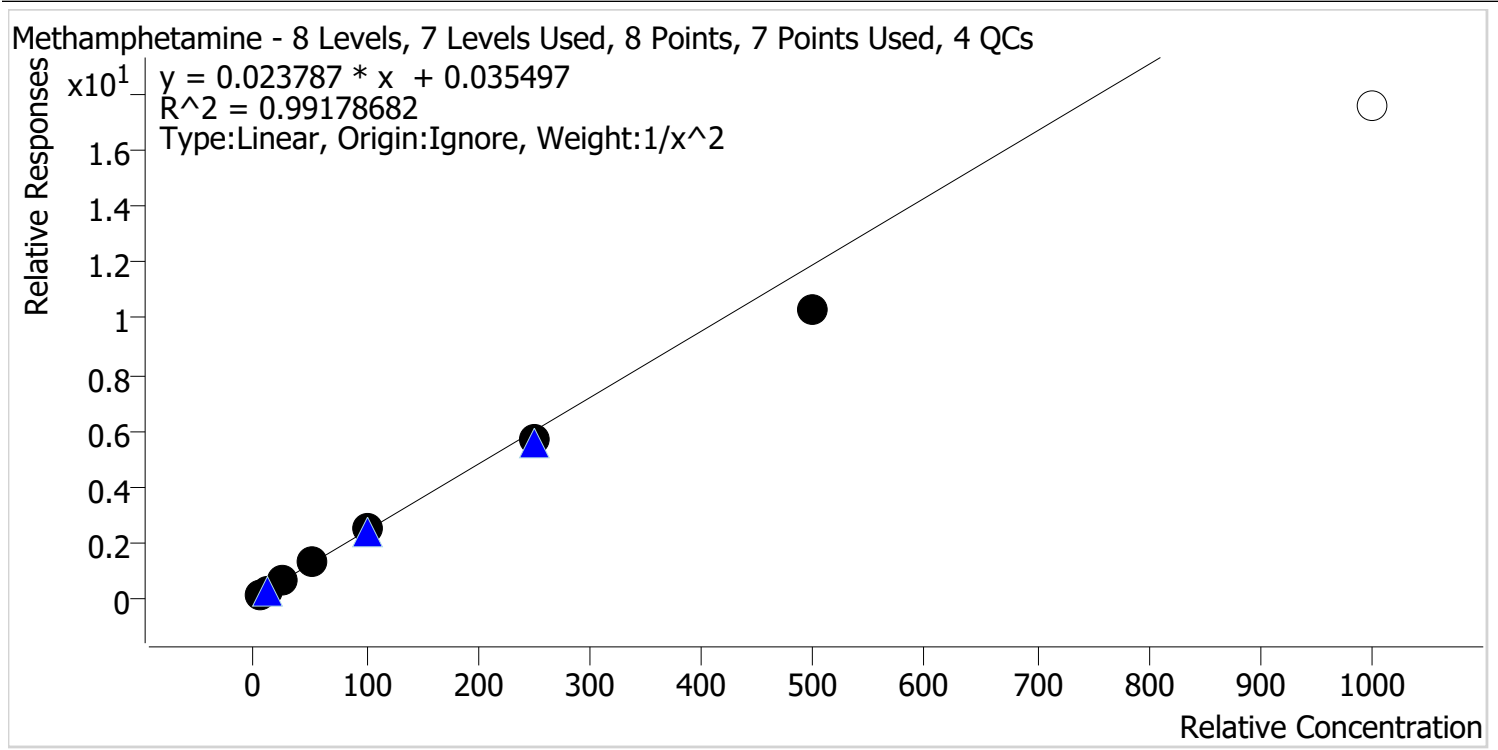
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng_r	3	✓	25.0	27.6	110.4
p1 Cal 4-50ng_r	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng_r	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	240.3	96.1
p1 Cal 7-500ng	7	✓	500.0	461.5	92.3
p1 Cal 8-1000ng	8	✓	1000.0	869.0	86.9

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng_r	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng_r	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng_r	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	236.3	94.5
p1 Cal 7-500ng	7	✓	500.0	434.1	86.8
p1 Cal 8-1000ng	8	x	1000.0	737.4	73.7

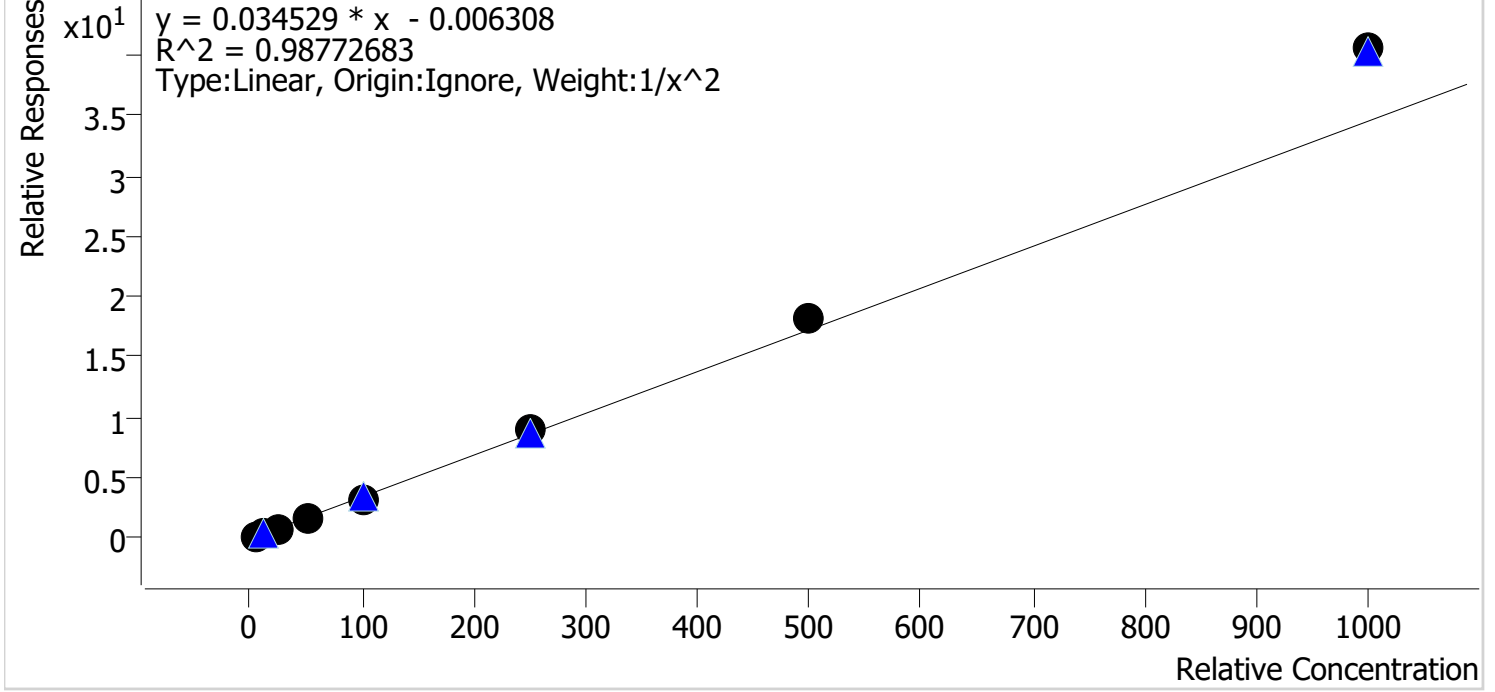
CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8

Mirtazapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng_r	3	✓	25.0	22.5	90.0
p1 Cal 4-50ng_r	4	✓	50.0	44.8	89.7
p1 Cal 5-100ng_r	5	✓	100.0	91.4	91.4
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	530.8	106.2
p1 Cal 8-1000ng	8	✓	1000.0	1174.7	117.5

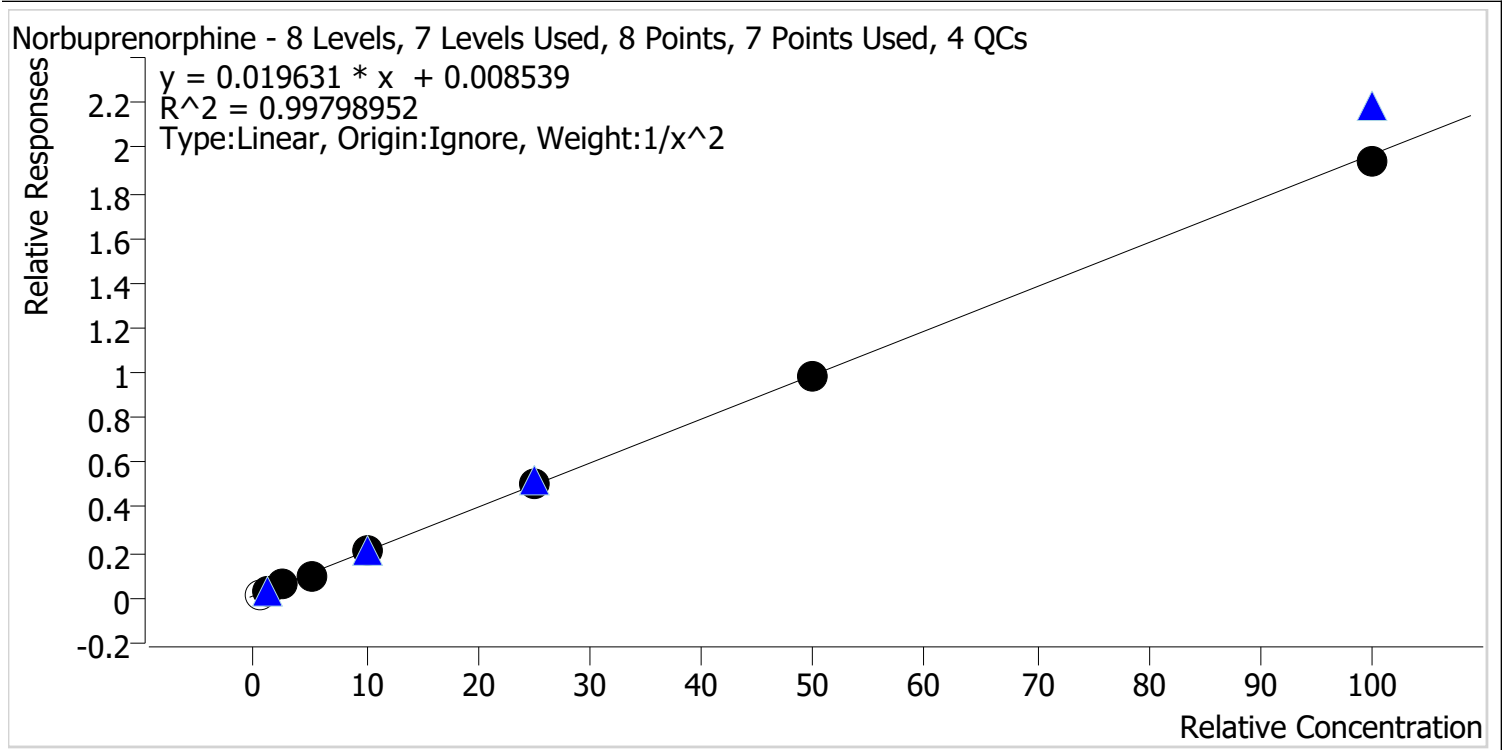


CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



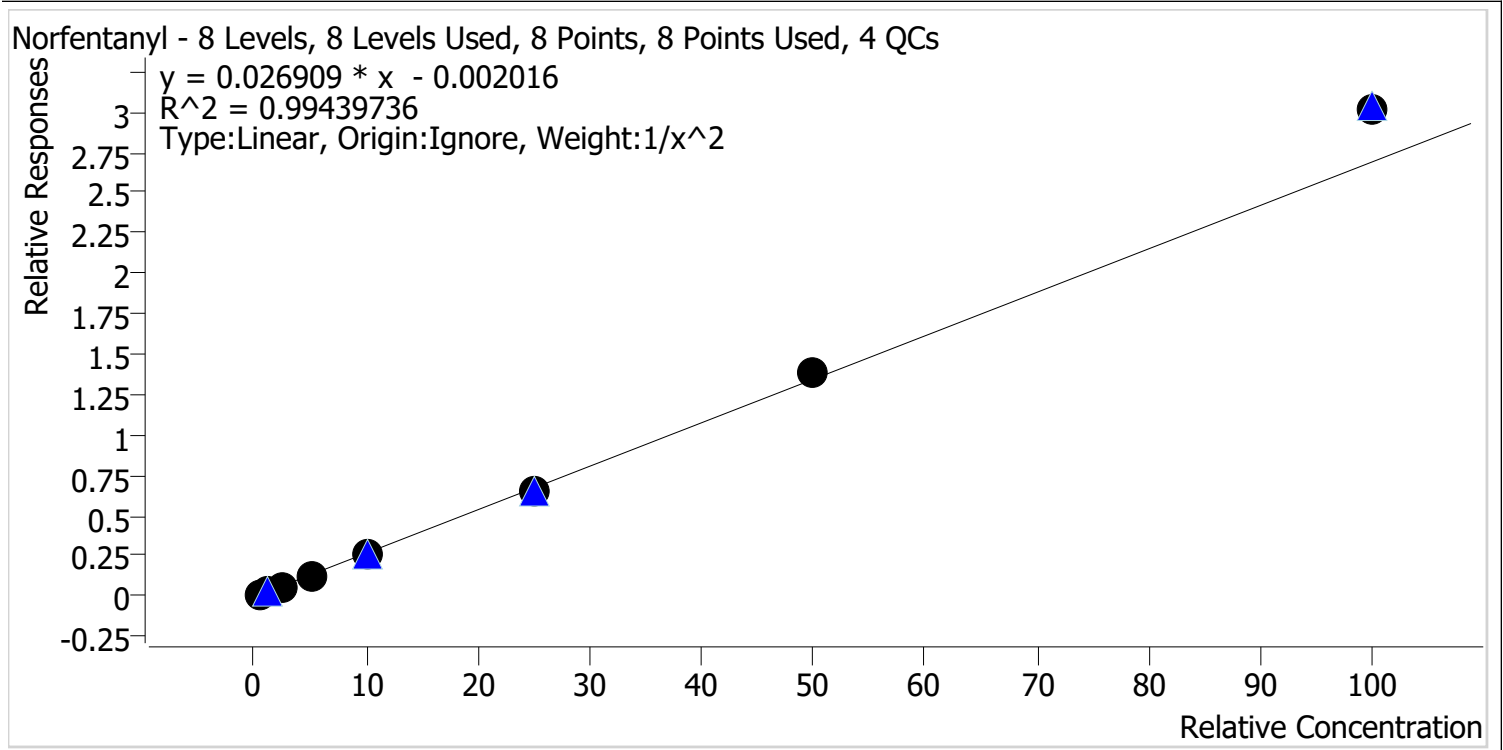
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.2	45.3
p1 Cal 2-10ng	2	✓	1.0	1.0	99.4
p1 Cal 3 -25ng_r	3	✓	2.5	2.6	103.3
p1 Cal 4-50ng_r	4	✓	5.0	4.7	93.5
p1 Cal 5-100ng_r	5	✓	10.0	10.6	105.6
p1 Cal 6-250ng	6	✓	25.0	25.0	100.1
p1 Cal 7-500ng	7	✓	50.0	50.0	100.0
p1 Cal 8-1000ng	8	✓	100.0	98.1	98.1

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Last Cal. Update** 10/11/2023 8:21 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.3
p1 Cal 2-10ng	2	✓	1.0	0.9	92.7
p1 Cal 3 -25ng_r	3	✓	2.5	2.3	93.6
p1 Cal 4-50ng_r	4	✓	5.0	4.9	97.2
p1 Cal 5-100ng_r	5	✓	10.0	9.7	97.1
p1 Cal 6-250ng	6	✓	25.0	24.7	98.6
p1 Cal 7-500ng	7	✓	50.0	51.8	103.5
p1 Cal 8-1000ng	8	✓	100.0	112.0	112.0

CS TS



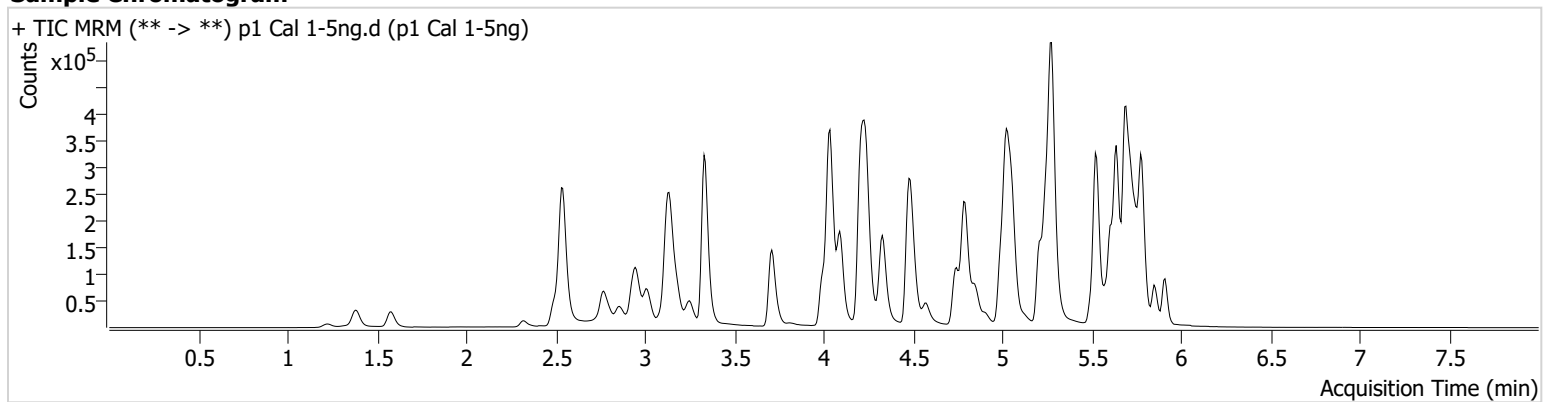
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901) **Data File** p1 Cal 1-5ng.d  
**Type** Cal **Sample** p1 Cal 1-5ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-H12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 4:25:18 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.
7-aminoclonazepam	4.211	10159	300.44	83.5	133.13	94515	4.7672 ng/ml
alpha-PHP	4.908	12102	411.30	251.3	639.08	363899	5.1943 ng/ml
Alprazolam	5.739	22035	385.07	118.7	231.26	190284	5.0782 ng/ml
Amphetamine	3.016	70677	156.47	50.6	147.42	229039	4.7838 ng/ml
Benzoylcegonine	3.837	1465	54.82	10.1	176.41	9263	5.0752 ng/ml
Buprenorphine	5.694	1039	50.58			75797	0.4902 ng/ml
Bupropion	4.758	42345	1104.01	67.1	4896.65	272248	5.2289 ng/ml
Clonazepam	5.588	28056	1357.78	36.0	22920.57	77144	4.8791 ng/ml
Cocaine	4.238	30632	238.22	55.6	21877.49	523552	5.0309 ng/ml
Dextromethorphan	5.256	24766	22566.55	83.8	755.47	226964	5.0331 ng/ml
Duloxetine	5.631	5059	170.33	15.3	100.65	58768	4.9797 ng/ml
Fentanyl	5.068	4129	6803.65	72.2	2019.15	400051	0.5148 ng/ml
Fluorofentanyl	5.122	10870	1013.03	36.2	1365.53	3432	0.5306 ng/ml
Fluoxetine	5.691	57632	699.44	7.9	3388.08	385358	5.0974 ng/ml
Ketamine	4.009	28863	248.17	35.6	219.91	229413	4.8893 ng/ml
Lamotrigine	4.240	2673	98.79	92.9	1082.27	700936	4.8552 ng/ml
Lorazepam	5.718	22824	387.73	51.4	29.05	296360	4.7839 ng/ml
Methamphetamine	3.184	71275	156.20	39.3	161.13	476347	4.7981 ng/ml
Mirtazapine	4.573	63226	1511.78	48.9	541.95	363899	5.2145 ng/ml
Norbuprenorphine	4.971	167	178.23	141.9 High	400.39	12864	0.2265 ng/ml
Norfentanyl	4.058	6917	419.57	38.4	244.49	569236	0.5265 ng/ml

CS TS



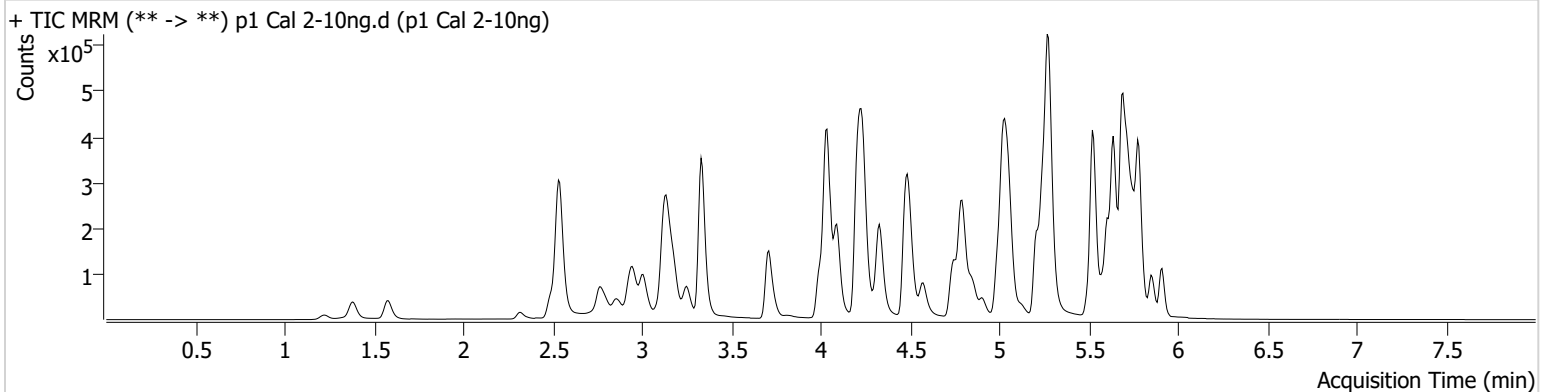
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901) **Data File** p1 Cal 2-10ng.d  
**Type** Cal **Sample** p1 Cal 2-10ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-G12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 4:36:04 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.
7-aminoclonazepam	4.211	22325	3828.61	81.2	624.61	99652	10.4080 ng/ml
alpha-PHP	4.908	24118	2760.50	267.6	1042.58	376318	9.8641 ng/ml
Alprazolam	5.739	45350	180.08	114.2	717.29	195614	9.6108 ng/ml
Amphetamine	3.009	116373	1759.90	51.8	1919.97	234503	11.4060 ng/ml
Benzoylcegonine	3.837	2842	172.42	8.1	11.32	9740	9.7304 ng/ml
Buprenorphine	5.694	2118	70.67	17.9	220.83	81168	0.9410 ng/ml
Bupropion	4.758	83898	4372.03	67.4	334.20	271455	8.8161 ng/ml
Clonazepam	5.582	53767	25454.18	36.0	40226.92	79164	9.9209 ng/ml
Cocaine	4.238	61557	2105.29	53.4	3186.63	537102	9.8636 ng/ml
Dextromethorphan	5.256	51220	37968.36	81.5	36549.74	234213	9.9344 ng/ml
Duloxetine	5.631	10527	1511.08	15.7	250.94	57601	10.1107 ng/ml
Fentanyl	5.068	8331	157.19	76.8	11982.44	426695	0.9742 ng/ml
Fluorofentanyl	5.122	22480	520.26	34.9	3285.96	4157	0.9423 ng/ml
Fluoxetine	5.691	112960	343120.53	8.2	5787.20	395757	9.7260 ng/ml
Ketamine	4.009	56433	3747.84	35.8	175.18	236168	10.1359 ng/ml
Lamotrigine	4.240	5647	136.00	83.7	8042.88	725792	10.4421 ng/ml
Lorazepam	5.718	45057	709.80	50.0	64.45	312454	10.2394 ng/ml
Methamphetamine	3.184	138675	273.41	39.0	362.69	490720	10.3880 ng/ml
Mirtazapine	4.573	124850	1408.43	49.8	888.45	376318	9.7910 ng/ml
Norbuprenorphine	4.971	377	145.03	89.2	171.55	13423	0.9943 ng/ml
Norfentanyl	4.058	13536	335.60	39.4	118.97	590361	0.9270 ng/ml

CS TS



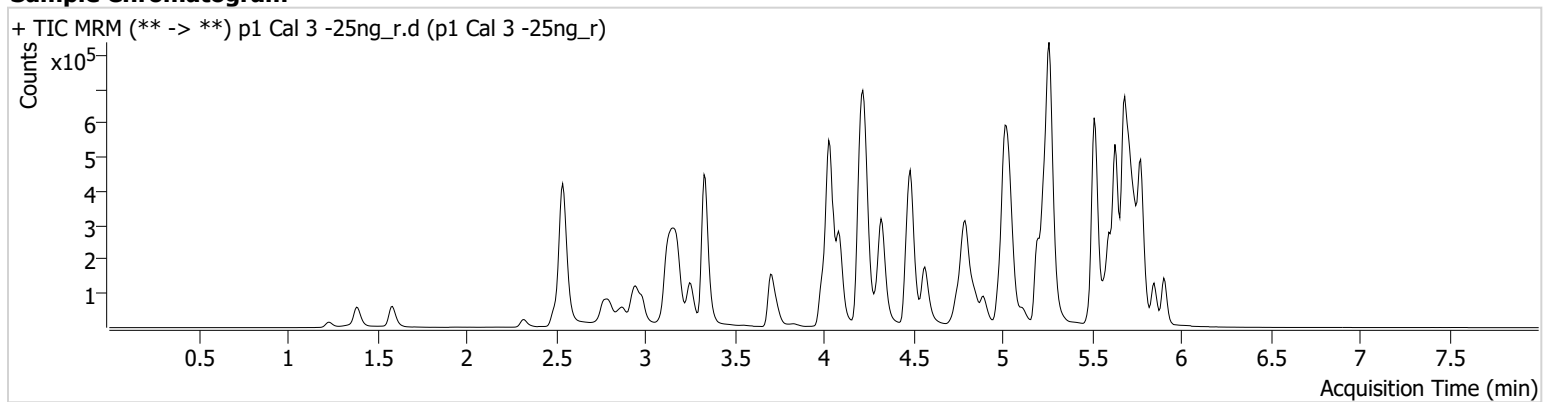
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901) **Data File** p1 Cal 3 -25ng\_r.d  
**Type** Cal **Sample** p1 Cal 3 -25ng\_r  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-F12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/4/2023 12:06:28 AM  
**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.
7-aminoclonazepam	4.211	60074	146.02	76.7	13407.96	106251	26.9301 ng/ml
alpha-PHP	4.895	56127	916.82	258.6	1114.25	383264	22.3366 ng/ml
Alprazolam	5.733	112225	827.70	107.9	270.75	175800	25.4907 ng/ml
Amphetamine	2.995	42107	1.71 <b>Low</b>	51.1	859.73	224220	0.5216 ng/ml
Benzoylcegonine	3.837	6245	1746.38	9.5	21.94	8433	25.3656 ng/ml
Buprenorphine	5.694	5605	101.17	14.9	142.60	79350	2.5638 ng/ml
Bupropion	4.751	135805	193.66	65.3	266.48	126588	26.6610 ng/ml
Clonazepam	5.575	119158	230.38	37.3	55786.85	67955	27.0883 ng/ml
Cocaine	4.231	159763	139520.67	53.9	936.03	546788	25.1606 ng/ml
Dextromethorphan	5.243	122550	231.32	80.2	407.18	221095	24.9461 ng/ml
Duloxetine	5.631	22872	3403.45	14.4	215.28	49458	24.9537 ng/ml
Fentanyl	5.062	18801	134.56	72.2	10178.26	400277	2.3443 ng/ml
Fluorofentanyl	5.116	49054	415.53	39.2	2247.98	4134	2.1287 ng/ml
Fluoxetine	5.685	251874	39890.34	6.9	18680.80	346567	24.7604 ng/ml
Ketamine	4.003	140943	4555.16	37.8	109.97	244865	25.7468 ng/ml
Lamotrigine	4.240	13872	1096.23	87.6	31940.75	746972	25.6413 ng/ml
Lorazepam	5.711	100068	1848.09	54.3	117.94	279419	27.6093 ng/ml
Methamphetamine	3.184	314886	1723.29	38.8	422.92	467849	26.8028 ng/ml
Mirtazapine	4.566	295436	5282.01	48.9	18800.76	383264	22.5070 ng/ml
Norbuprenorphine	4.971	736	502.96	101.3	1347.31	12414	2.5836 ng/ml
Norfentanyl	4.050	35197	4963.52	39.2	176.80	577711	2.3390 ng/ml

CS TS



# AM #28 Multi-Drug Quant. Results

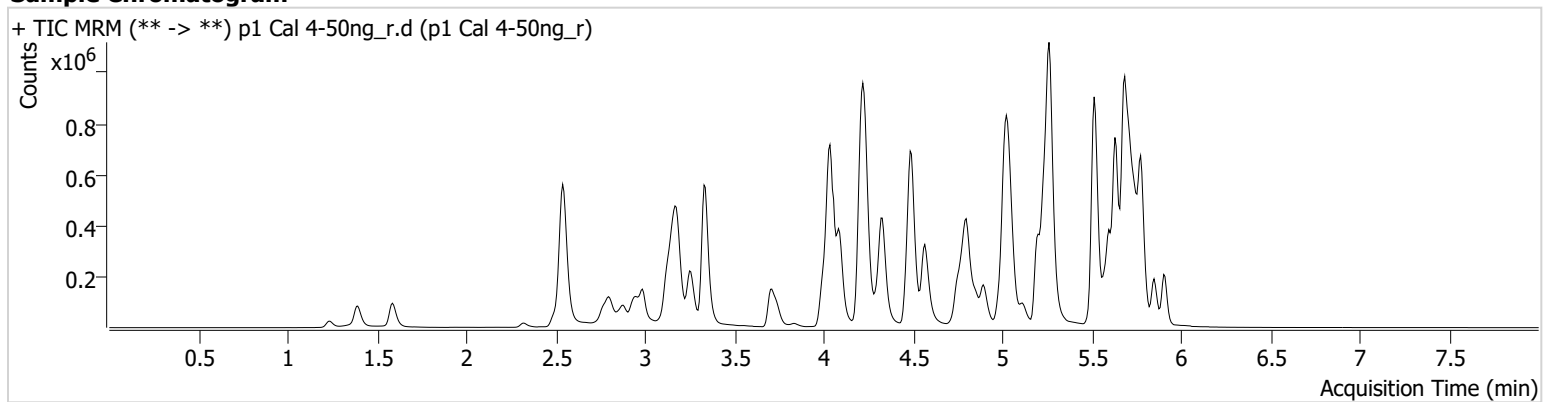
**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case  
Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-E12  
**Injection Volume** 2  
**Acq. Date-Time** 10/4/2023 12:17:15 AM  
**Sample Info.**

**Data File** p1 Cal 4-50ng\_r.d  
**Sample** p1 Cal 4-50ng\_r  
**Operator** Tamara Salazar  
**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	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.211	104942	315.42	75.4	614.44	91015	55.3707 ng/ml
alpha-PHP	4.895	108634	361.42	253.5	14270.81	362877	45.4973 ng/ml
Alprazolam	5.733	206998	598.39	109.8	1128.17	167643	48.7868 ng/ml
Amphetamine	2.995	99122	729.08	48.2	1970.30	217324	9.9892 ng/ml
Benzoylcegonine	3.837	11989	781.41	7.9	63.95	8578	48.2627 ng/ml
Buprenorphine	5.694	10031	98.94	17.0	1524.76	75422	4.8357 ng/ml
Bupropion	4.751	276850	999.07	65.4	8177.37	134143	49.8162 ng/ml
Clonazepam	5.575	219284	685.62	37.7	969.52	63367	54.3674 ng/ml
Cocaine	4.231	298862	16135.90	54.9	4325.05	516578	49.8282 ng/ml
Dextromethorphan	5.243	226948	7761.53	81.3	265819.02	210426	48.3956 ng/ml
Duloxetine	5.624	45102	2218.33	12.8	310.31	49108	49.1508 ng/ml
Fentanyl	5.062	36840	846.33	73.0	4044.02	384203	4.7861 ng/ml
Fluorofentanyl	5.109	99672	2385.41	37.1	5250.29	3790	4.7802 ng/ml
Fluoxetine	5.685	480639	36968.42	7.8	23337.44	336657	48.6372 ng/ml
Ketamine	4.003	266729	4678.07	37.0	178.65	228322	53.2278 ng/ml
Lamotrigine	4.240	26416	353.88	87.6	34994.98	713205	51.6535 ng/ml
Lorazepam	5.711	176877	8166.92	56.5	394.55	256696	54.4790 ng/ml
Methamphetamine	3.184	585894	1070.60	38.4	477.33	450696	53.1587 ng/ml
Mirtazapine	4.566	559670	4442.81	49.3	13307.60	362877	44.8495 ng/ml
Norbuprenorphine	4.964	1208	1874.70	110.6	1290.86	12044	4.6736 ng/ml
Norfentanyl	4.050	69400	1093.53	35.3	68.20	539217	4.8579 ng/ml

CS TS



# AM #28 Multi-Drug Quant. Results

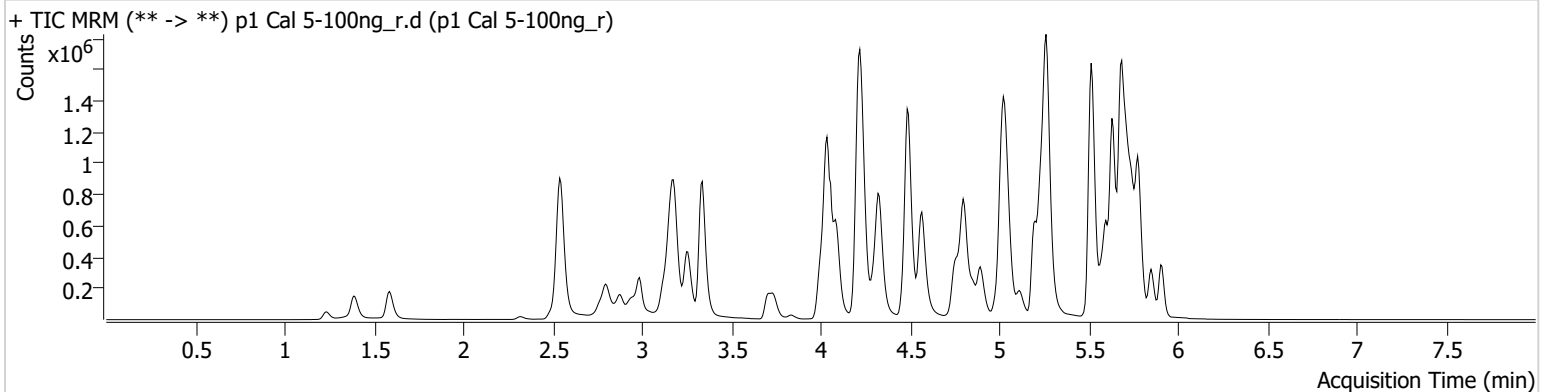
**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-D12  
**Injection Volume** 2  
**Acq. Date-Time** 10/4/2023 12:27:53 AM  
**Sample Info.**

**Data File** p1 Cal 5-100ng\_r.d  
**Sample** p1 Cal 5-100ng\_r  
**Operator** Tamara Salazar  
**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	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.211	231726	8366.11	73.8	217.38	105249	106.1264 ng/ml
alpha-PHP	4.895	228879	2858.47	249.3	4135.53	378401	91.7639 ng/ml
Alprazolam	5.733	432492	3993.33	107.3	417.88	162309	104.6402 ng/ml
Amphetamine	2.995	189475	7131.49	49.3	359.09	227760	23.2499 ng/ml
Benzoylcegonine	3.837	25727	196.78	8.1	202.74	9251	96.4683 ng/ml
Buprenorphine	5.694	20754	868.86	16.5	1293.29	77369	9.7622 ng/ml
Bupropion	4.751	567122	29341.95	65.8	9186.81	133321	100.9845 ng/ml
Clonazepam	5.575	441921	21737.55	36.7	9693.12	64817	108.0194 ng/ml
Cocaine	4.231	617517	837.27	55.8	47593.87	532812	99.8289 ng/ml
Dextromethorphan	5.243	475646	1131.80	78.8	561.19	214583	99.3041 ng/ml
Duloxetine	5.624	89055	32321.70	13.8	9125.65	47065	100.8261 ng/ml
Fentanyl	5.062	78887	5490.01	72.8	2163.42	405955	9.6998 ng/ml
Fluorofentanyl	5.109	213934	6874.54	37.7	9433.77	4025	9.7134 ng/ml
Fluoxetine	5.685	939327	93267.42	7.7	26929.75	331169	96.6255 ng/ml
Ketamine	4.003	570985	839.61	36.1	1250.18	243588	107.7543 ng/ml
Lamotrigine	4.240	49617	2372.97	94.1	286.69	715112	97.2121 ng/ml
Lorazepam	5.711	313321	∞	53.4	1095.93	234074	107.2158 ng/ml
Methamphetamine	3.184	1225175	1062.45	38.3	1154.52	482313	105.2979 ng/ml
Mirtazapine	4.566	1191549	6811.09	50.1	16706.64	378401	91.3779 ng/ml
Norbuprenorphine	4.971	2691	594.92	99.2	2901.35	12471	10.5584 ng/ml
Norfentanyl	4.050	139806	15766.74	37.5	3457.54	538997	9.7140 ng/ml

CS TS



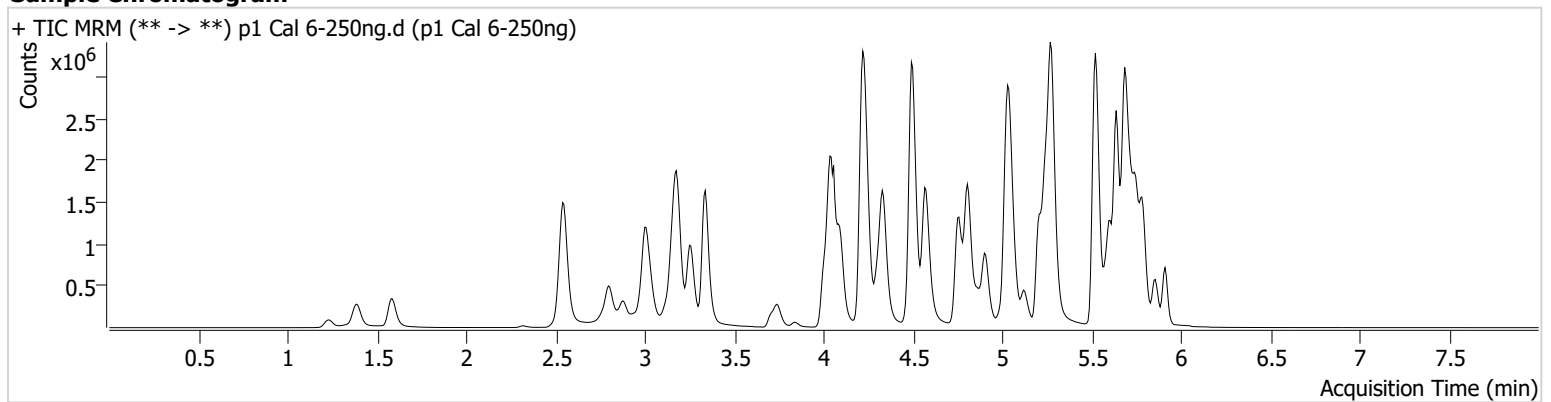
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument Type** Falco (069901)  
**Data File** p1 Cal 6-250ng.d  
**Sample Operator** p1 Cal 6-250ng  
**Operator Comment** Tamara Salazar  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-C12  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 5:18:35 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.
7-aminoclonazepam	4.211	426872	10473.97	76.7	11416.60	88591	232.7781 ng/ml
alpha-PHP	4.908	603565	6465.53	260.4	10135.79	348009	262.8242 ng/ml
Alprazolam	5.740	906395	1377.09	107.9	973.99	140198	253.0942 ng/ml
Amphetamine	3.009	2397003	20977.13	49.2	4020.53	227528	365.6343 ng/ml
Benzoylcegonine	3.837	66840	585.76	8.2	9971.88	9079	256.0945 ng/ml
Buprenorphine	5.694	46135	1275.46	15.9	7010.86	70571	23.8047 ng/ml
Bupropion	4.751	2127788	82926.65	66.8	941.72	274590	182.6487 ng/ml
Clonazepam	5.582	967739	2373.54	36.0	1030356.35	60736	253.6862 ng/ml
Cocaine	4.238	1366631	558.25	56.4	773.39	479897	245.3061 ng/ml
Dextromethorphan	5.249	1098110	884.23	74.8	1779.25	192367	255.4970 ng/ml
Duloxetine	5.631	198841	14563.23	14.9	22751.85	41814	252.7698 ng/ml
Fentanyl	5.069	195480	15143.92	77.9	703191.12	382653	25.5001 ng/ml
Fluorofentanyl	5.122	559071	40991.36	37.1	8425.93	3654	28.0537 ng/ml
Fluoxetine	5.691	1991921	48515.67	8.1	1674.33	272289	249.2063 ng/ml
Ketamine	4.003	1296936	729.10	35.7	864.98	239388	250.2868 ng/ml
Lamotrigine	4.247	106712	26434.35	92.2	3789.88	584334	256.7094 ng/ml
Lorazepam	5.718	435448	17099.10	51.0	1487.66	146235	240.3100 ng/ml
Methamphetamine	3.184	2872958	1700.66	38.2	1039.21	508011	236.2565 ng/ml
Mirtazapine	4.566	3093900	14562.05	47.2	26640.81	348009	257.6534 ng/ml
Norbuprenorphine	4.978	6808	5975.43	103.4	75.91	13625	25.0194 ng/ml
Norfentanyl	4.058	283870	235.27	37.6	1830.70	429168	24.6554 ng/ml



CS TS



# AM #28 Multi-Drug Quant. Results

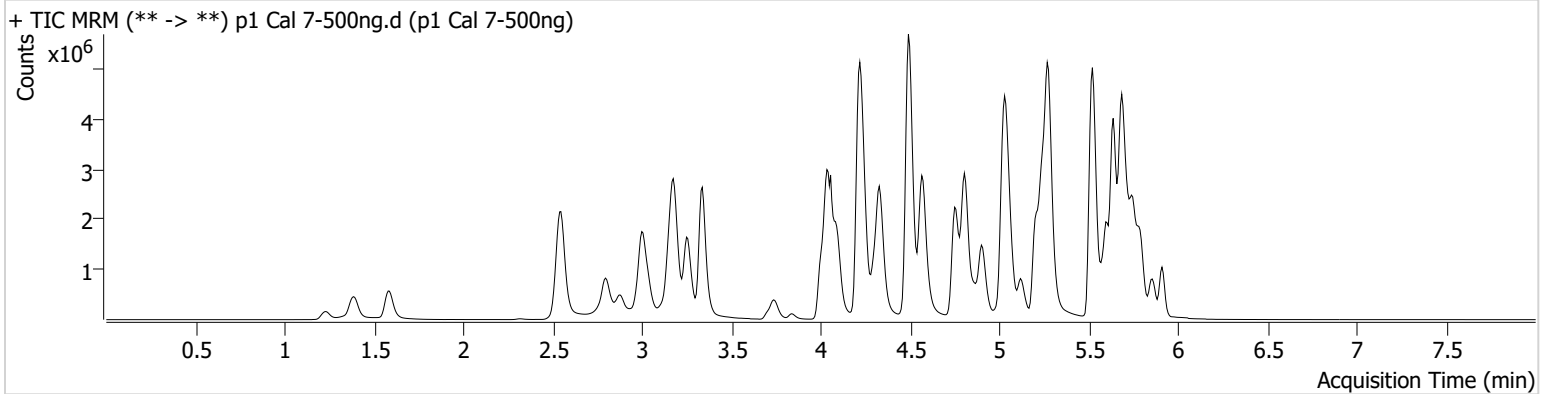
**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case Reviews.batch.bin  
**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument Type** Falco (069901)  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-B12  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 5:29:11 PM  
**Sample Info.**

**Data File** p1 Cal 7-500ng.d  
**Sample** p1 Cal 7-500ng  
**Operator** Tamara Salazar  
**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	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.211	651460	2948.71	75.4	5401.79	76011	414.3805 ng/ml
alpha-PHP	4.908	1034867	2536.22	265.8	19230.57	294400	532.5329 ng/ml
Alprazolam	5.739	1382385	1674.63	106.0	∞	110263	490.2794 ng/ml
Amphetamine	3.009	3586516	19613.48	48.3	4815.03	207496	603.8090 ng/ml
Benzoylcegonine	3.837	126875	44453.19	8.2	28342.42	8730	505.9804 ng/ml
Buprenorphine	5.694	72378	7263.04	15.1	7695.69	53474	49.2961 ng/ml
Bupropion	4.751	3774549	960.32	66.3	2218.08	243229	364.1829 ng/ml
Clonazepam	5.582	1328430	2594.01	37.1	32788.19	46486	455.7305 ng/ml
Cocaine	4.238	2338352	93029.08	56.0	1402.02	399920	503.6748 ng/ml
Dextromethorphan	5.249	1684954	81264.70	75.0	2325.55	147663	510.5739 ng/ml
Duloxetine	5.631	276431	14022.32	14.2	20386.16	29445	498.6201 ng/ml
Fentanyl	5.068	365696	480.28	75.0	922.61	328541	55.5621 ng/ml
Fluorofentanyl	5.116	1052687	33641.51	37.2	32434.88	3681	52.4757 ng/ml
Fluoxetine	5.691	3011130	60254.44	7.6	396106.18	196858	521.0655 ng/ml
Ketamine	4.003	2177823	37052.04	36.6	526.57	208523	483.3678 ng/ml
Lamotrigine	4.247	154318	959.91	91.5	4794.78	468398	463.5331 ng/ml
Lorazepam	5.711	443132	659.73	50.5	1734.30	77725	461.4502 ng/ml
Methamphetamine	3.184	4867345	1725.49	37.3	1837.60	469715	434.1402 ng/ml
Mirtazapine	4.566	5394151	83994.47	47.6	10038.04	294400	530.8191 ng/ml
Norbuprenorphine	4.978	12651	113.88	101.1	264.78	12778	50.0014 ng/ml
Norfentanyl	4.058	425264	13219.97	37.1	569.50	305694	51.7723 ng/ml

CS TS



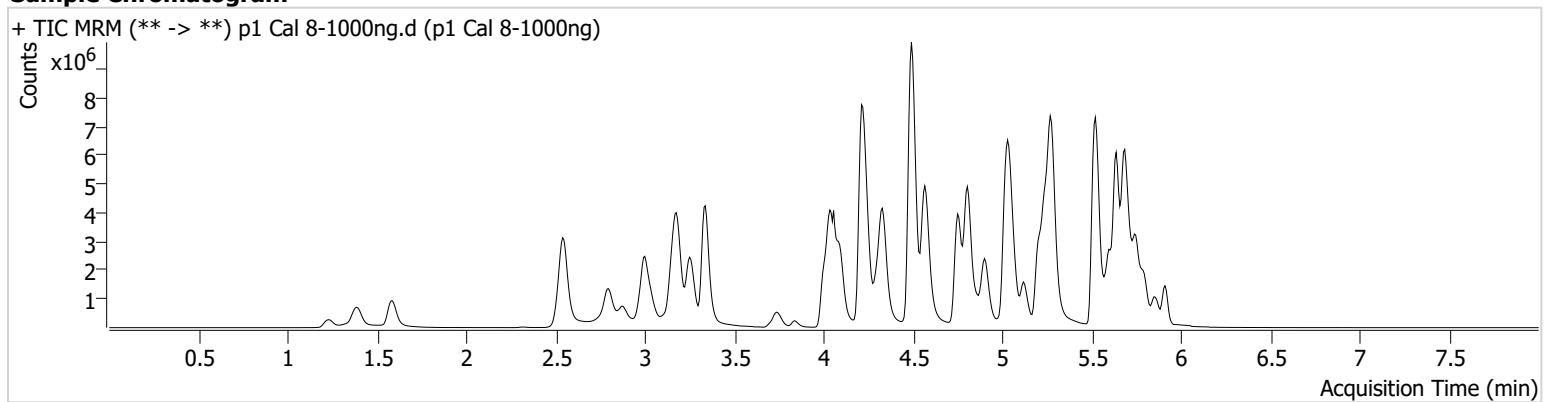
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P1\_Case  
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**Calibration Last Update** 10/11/2023 8:21:35 AM

**Instrument** Falco (069901) **Data File** p1 Cal 8-1000ng.d  
**Type** Cal **Sample** p1 Cal 8-1000ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-A12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/2/2023 5:39:49 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.
7-aminoclonazepam	4.204	823187	20861.64	79.5	14385.58	72475	549.2990 ng/ml
alpha-PHP	4.902	1814788	6806.94	260.8	326939.48	241699	1137.3183 ng/ml
Alprazolam	5.739	2013636	1205.12	106.2	∞	79611	988.5718 ng/ml
Amphetamine	3.002	5085147	41686.99	48.4	77744.85	192407	926.4784 ng/ml
Benzoylcegonine	3.837	263181	467.26	8.1	182.85	8890	1031.0257 ng/ml
Buprenorphine	5.701	107284	81677.15	15.1	27322.00	35753	109.2994 ng/ml
Bupropion	4.751	6874728	1729.09	64.3	1070.24	224154	718.1904 ng/ml
Clonazepam	5.575	1679762	19711.77	36.0	857351.36	31368	854.8078 ng/ml
Cocaine	4.238	3773551	1009.21	54.3	838.02	319437	1017.6122 ng/ml
Dextromethorphan	5.249	2337502	50471.90	76.4	2391.84	104786	997.9976 ng/ml
Duloxetine	5.631	319348	1571.59	14.5	239.18	17035	995.2333 ng/ml
Fentanyl	5.068	689029	40997.95	76.7	2318438.97	271375	126.7409 ng/ml
Fluorofentanyl	5.116	2080475	∞	37.1	31475.74	3652	104.5998 ng/ml
Fluoxetine	5.691	4022668	609847.70	7.6	543.87	131820	1039.5559 ng/ml
Ketamine	4.003	3531175	2687.49	35.2	1078.12	188295	868.6921 ng/ml
Lamotrigine	4.247	188821	4442.19	92.3	25561.34	350347	758.6109 ng/ml
Lorazepam	5.711	384849	604.67	53.2	1696.84	35897	869.0181 ng/ml
Methamphetamine	3.178	8168129	187949.38	36.4	23496.76	464755	737.3654 ng/ml
Mirtazapine	4.566	9802145	16545.44	45.4	22956.17	241699	1174.6954 ng/ml
Norbuprenorphine	4.971	24105	17697.73	103.1	522.03	12463	98.0945 ng/ml
Norfentanyl	4.058	547294	5714.41	37.8	6325.30	181749	111.9792 ng/ml

P2 Analytical Plate Map

CS TS

	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		P2023-2123-1_CS	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3		IS + Cal. 3	IS + QC_3				IS + Cal. 6		P2023-2226-1	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4		IS + Cal. 4	IS + QC_4				IS + Cal. 5		Neg Blood	IS + Cal. 5
E	IS + Cal. 5	Neg Blood		IS + Cal. 5				IS + QC_4	IS + Cal. 4		IS + QC_4	IS + Cal. 4
F	IS + Cal. 6			IS + Cal. 6				IS + QC_3	IS + Cal. 3		IS + QC_3	IS + Cal. 3
G	IS + Cal. 7			IS + Cal. 7				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

SLE/Extraction Plate Map

CS TS

	1	2	3	4	5	6	7	8	9	10	11	12
A							IS + Cal. 8		P2023-2868-1	P2023-2840-1	M2023-3670-2	IS + Cal. 8
B						P2023-2123-1_CS	IS + Cal. 7		P2023-2859-1	P2023-2839-1	M2023-3653-1	IS + Cal. 7
C						P2023-2226-1	IS + Cal. 6		P2023-2858-1	P2023-2388-5	Neg Blood	IS + Cal. 6
D						Neg Blood	IS + Cal. 5	P2023-2906-1_CS	P2023-2857-1	M2023-3895-1	IS + QC_2	IS + Cal. 5
E						IS + QC_4	IS + Cal. 4	P2023-2876-1	P2023-2854-1	M2023-3812-1	IS + QC_4	IS + Cal. 4
F						IS + QC_3	IS + Cal. 3	P2023-2873-1	P2023-2846-1	M2023-3807-4	IS + QC_3	IS + Cal. 3
G						IS + QC_2	IS + Cal. 2	P2023-2872-1	P2023-2845-1	M2023-3684-2	IS + QC_2	IS + Cal. 2
H						IS + QC_1	IS + Cal. 1	P2023-2871-1	P2023-2844-1	M2023-3684-1	IS + QC_1	IS + Cal. 1

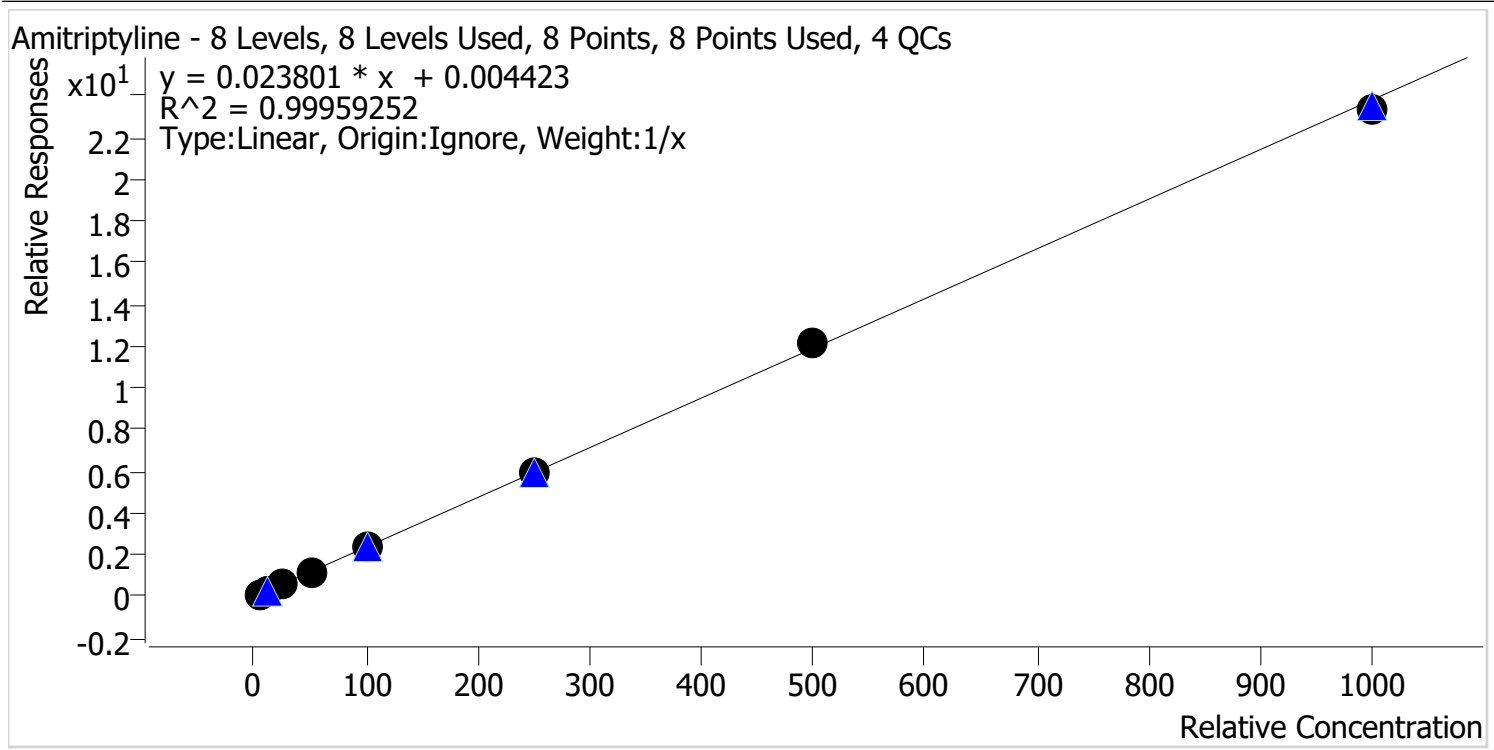
P2

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Last Cal. Update** 10/3/2023 11:17 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	4.7	94.7
p2 Cal 2-10ng	2	✓	10.0	10.2	101.8
p2 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p2 Cal 4-50ng	4	✓	50.0	50.6	101.1
p2 Cal 5-100ng	5	✓	100.0	100.9	100.9
p2 Cal 6-250ng	6	✓	250.0	252.1	100.8
p2 Cal 7-500ng	7	✓	500.0	513.8	102.8
p2 Cal 8-1000ng	8	✓	1000.0	982.9	98.3

CS TS



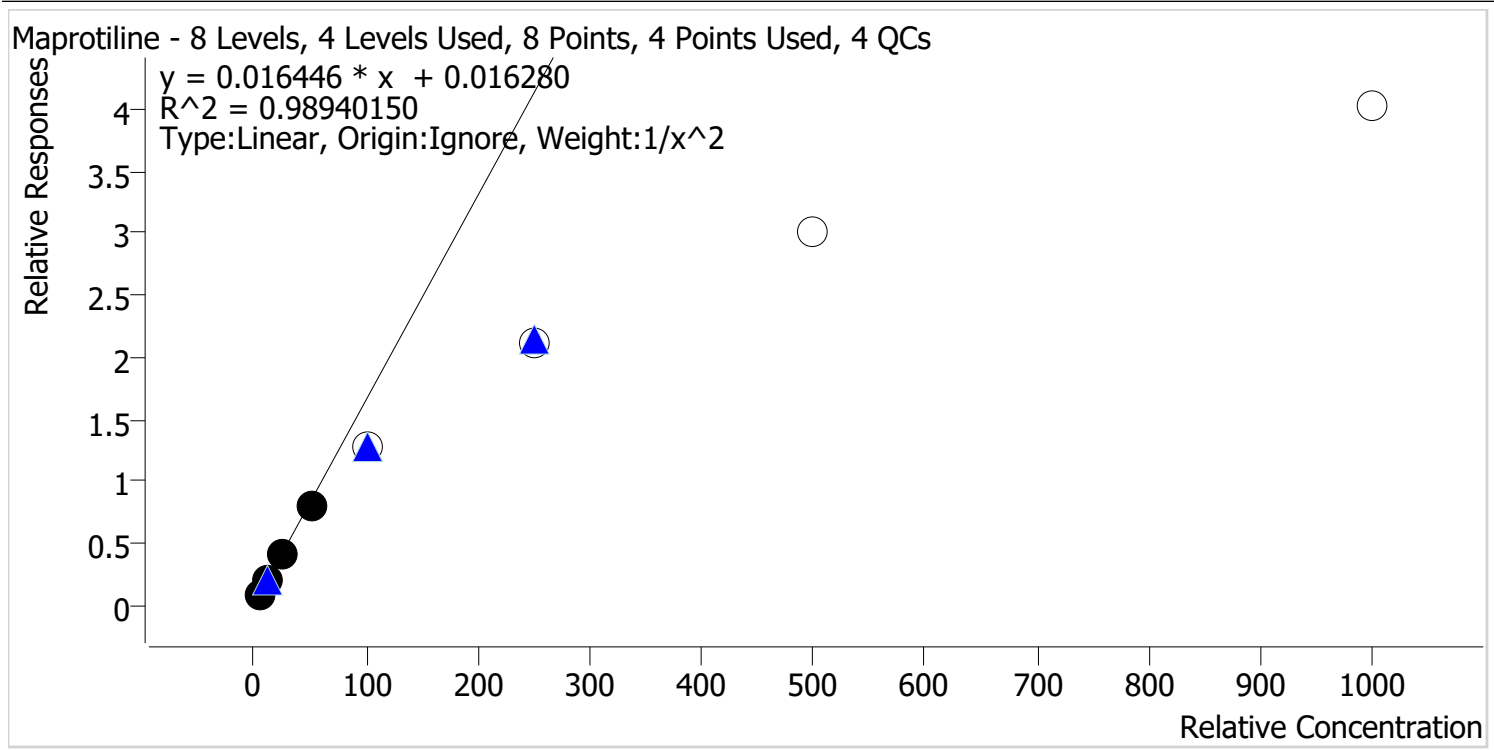
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin

**Last Cal. Update** 10/3/2023 11:17 AM

**Analyst Name** ISP\Datator

**Analyte** Maprotiline **Internal Standard** Amitriptyline-D3



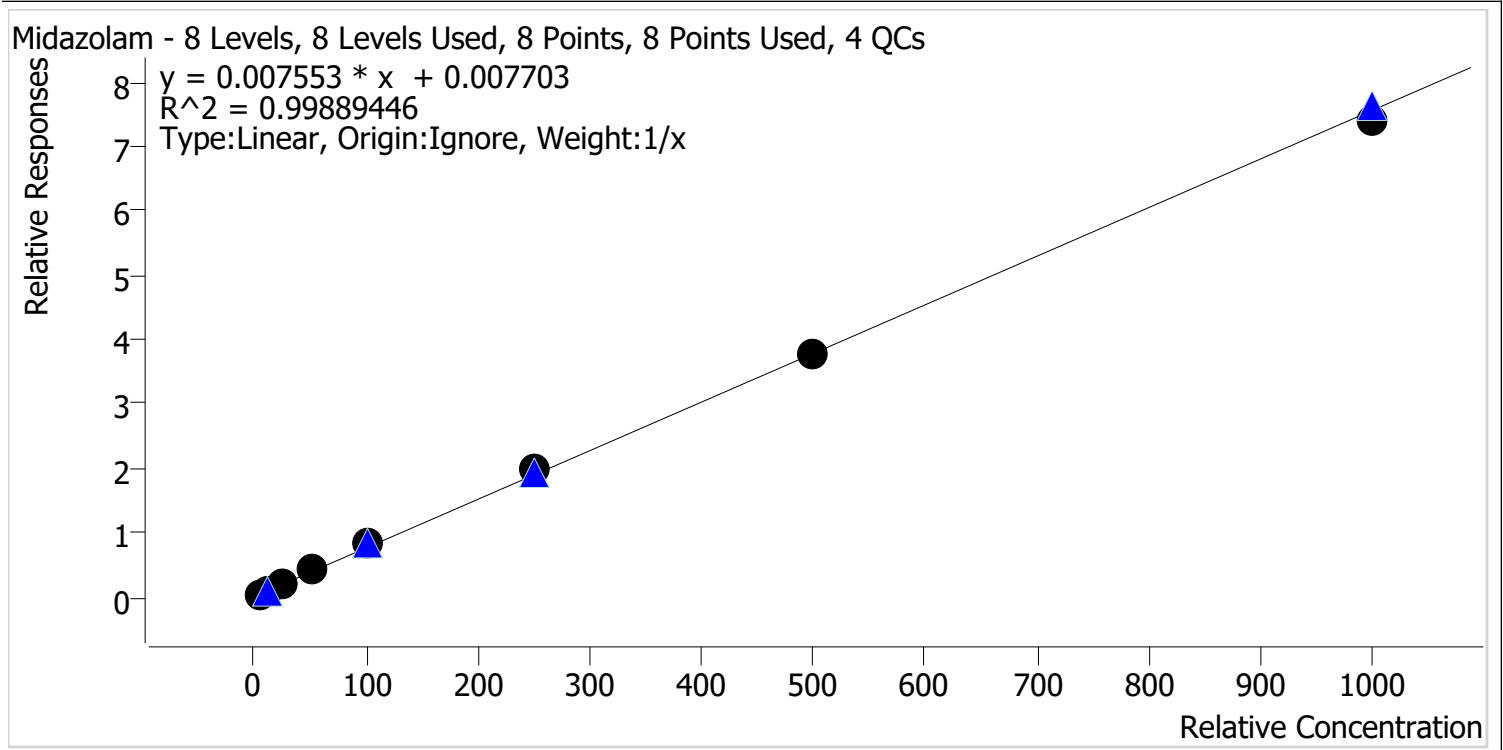
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.8	95.4
p2 Cal 2-10ng	2	✓	10.0	11.1	110.5
p2 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p2 Cal 4-50ng	4	✓	50.0	47.3	94.6
p2 Cal 5-100ng	5	x	100.0	77.8	77.8
p2 Cal 6-250ng	6	x	250.0	128.6	51.4
p2 Cal 7-500ng	7	x	500.0	181.9	36.4
p2 Cal 8-1000ng	8	x	1000.0	243.5	24.4

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Last Cal. Update** 10/3/2023 11:17 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Midazolam **Internal Standard** Midazolam-D4



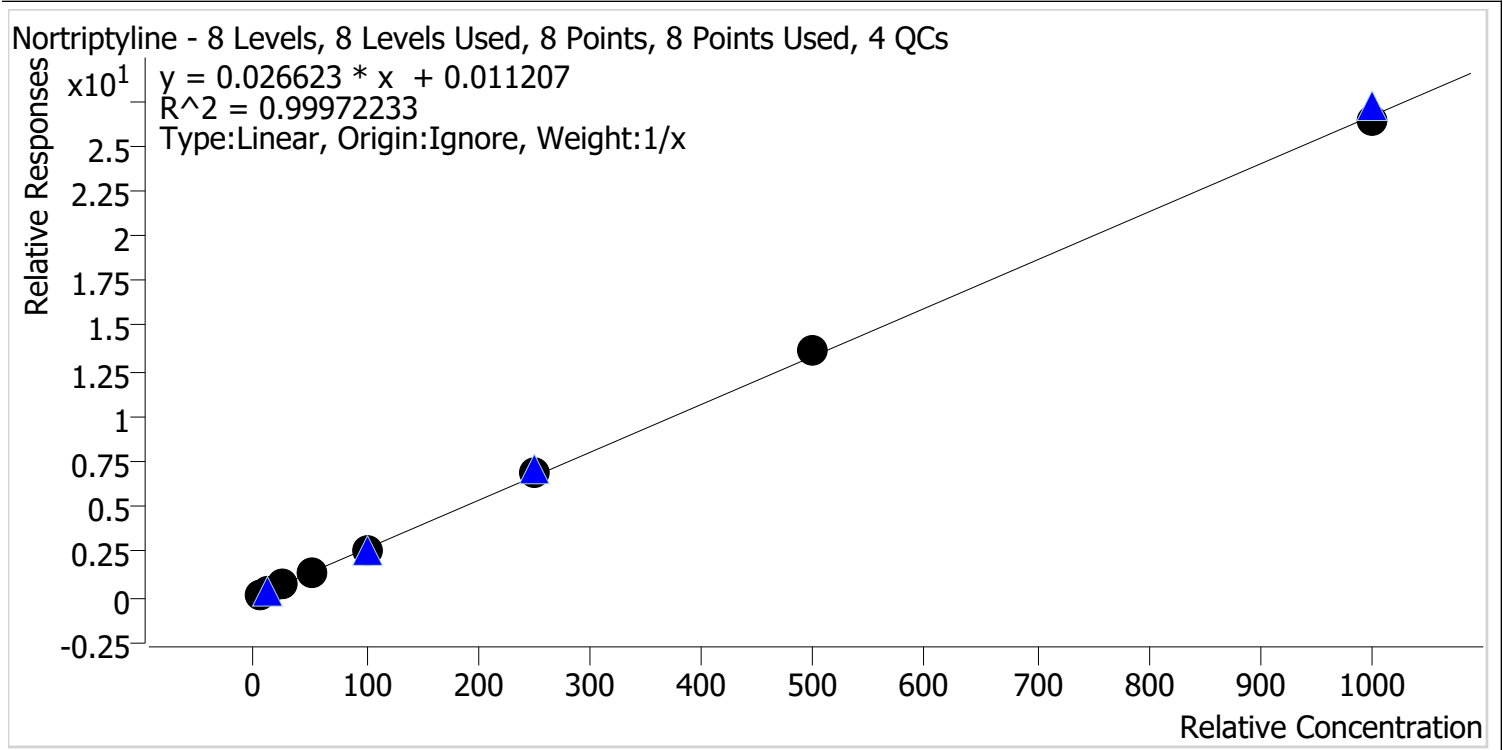
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.4	87.9
p2 Cal 2-10ng	2	✓	10.0	9.4	93.9
p2 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p2 Cal 4-50ng	4	✓	50.0	53.3	106.6
p2 Cal 5-100ng	5	✓	100.0	107.4	107.4
p2 Cal 6-250ng	6	✓	250.0	263.1	105.2
p2 Cal 7-500ng	7	✓	500.0	495.7	99.1
p2 Cal 8-1000ng	8	✓	1000.0	981.3	98.1

CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Last Cal. Update** 10/3/2023 11:17 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Nortriptyline **Internal Standard** Nortriptyline-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.9	98.5
p2 Cal 2-10ng	2	✓	10.0	10.1	100.7
p2 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p2 Cal 4-50ng	4	✓	50.0	50.1	100.2
p2 Cal 5-100ng	5	✓	100.0	98.8	98.8
p2 Cal 6-250ng	6	✓	250.0	254.5	101.8
p2 Cal 7-500ng	7	✓	500.0	510.3	102.1
p2 Cal 8-1000ng	8	✓	1000.0	986.5	98.7

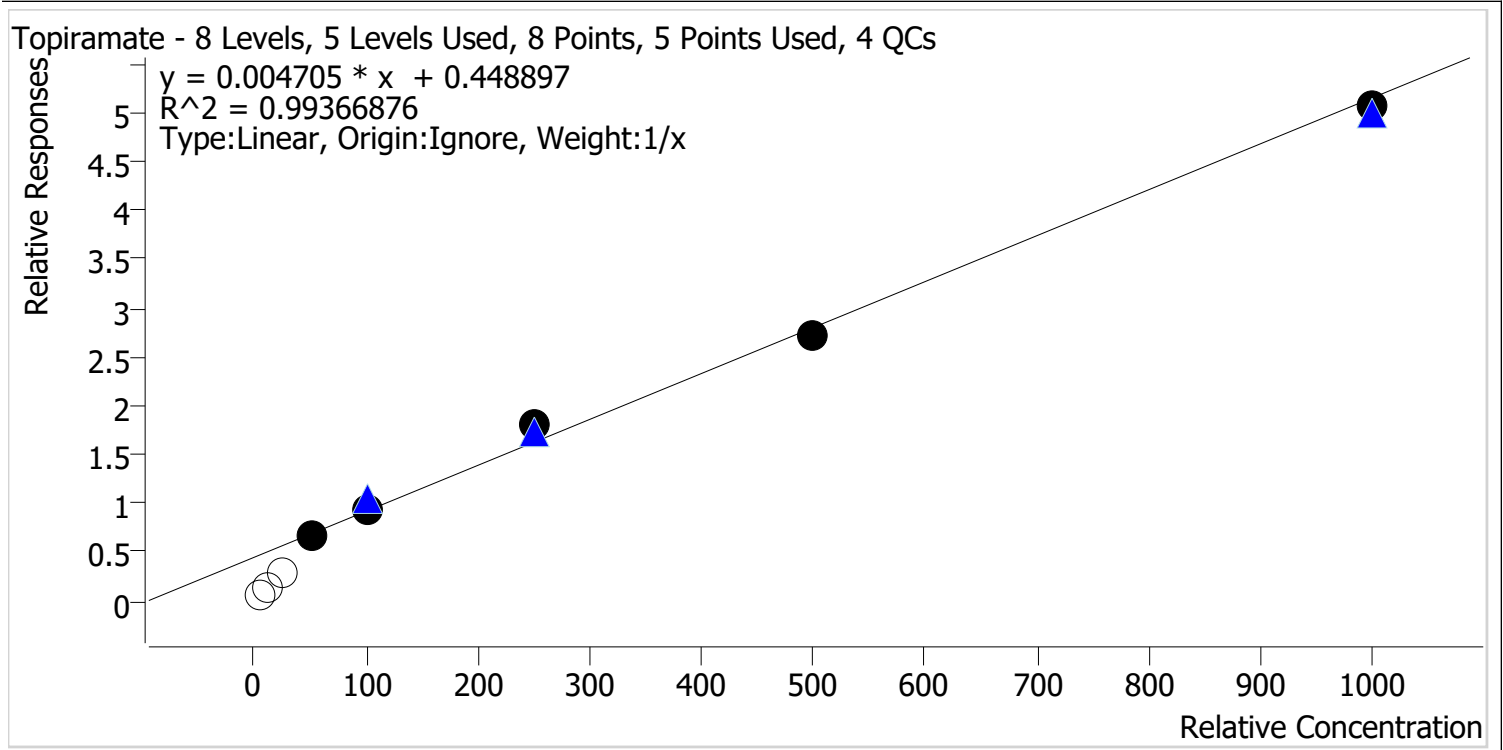


CS TS



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Last Cal. Update** 10/3/2023 11:17 AM  
**Analyst Name** ISP\Datator  
**Analyte** Topiramate **Internal Standard** Topiramate-d12



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	x	5.0	0.0	0.0
p2 Cal 2-10ng	2	x	10.0	0.0	0.0
p2 Cal 3 -25ng	3	x	25.0	0.0	0.0
p2 Cal 4-50ng	4	✓	50.0	43.1	86.2
p2 Cal 5-100ng	5	✓	100.0	103.7	103.7
p2 Cal 6-250ng	6	✓	250.0	288.2	115.3
p2 Cal 7-500ng	7	✓	500.0	483.2	96.6
p2 Cal 8-1000ng	8	✓	1000.0	981.8	98.2

CS TS

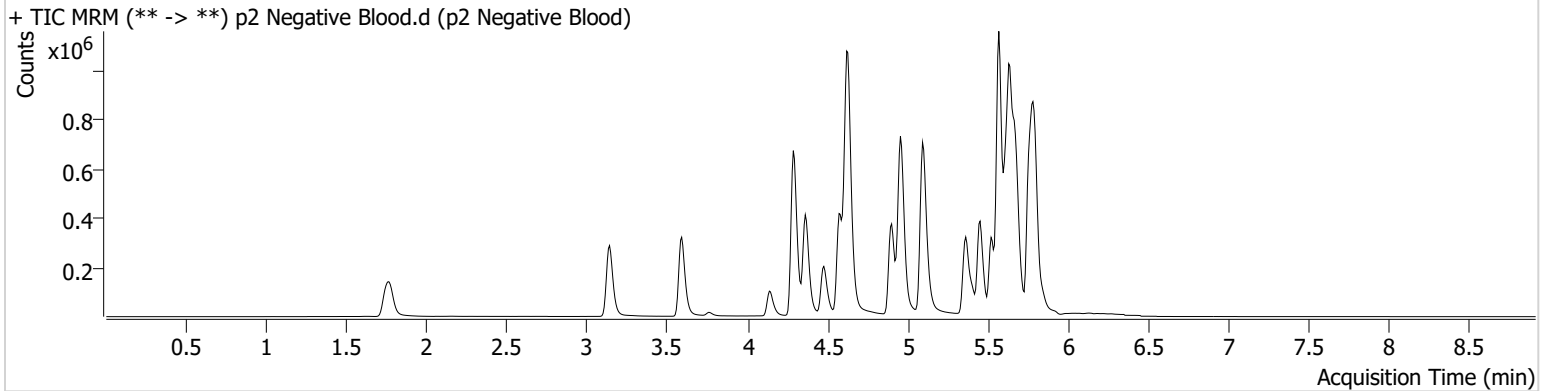


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p2 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p2 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P2 Updated 081023.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-D6	<b>Comment</b>	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.
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/3/2023 8:34:53 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



CS TS

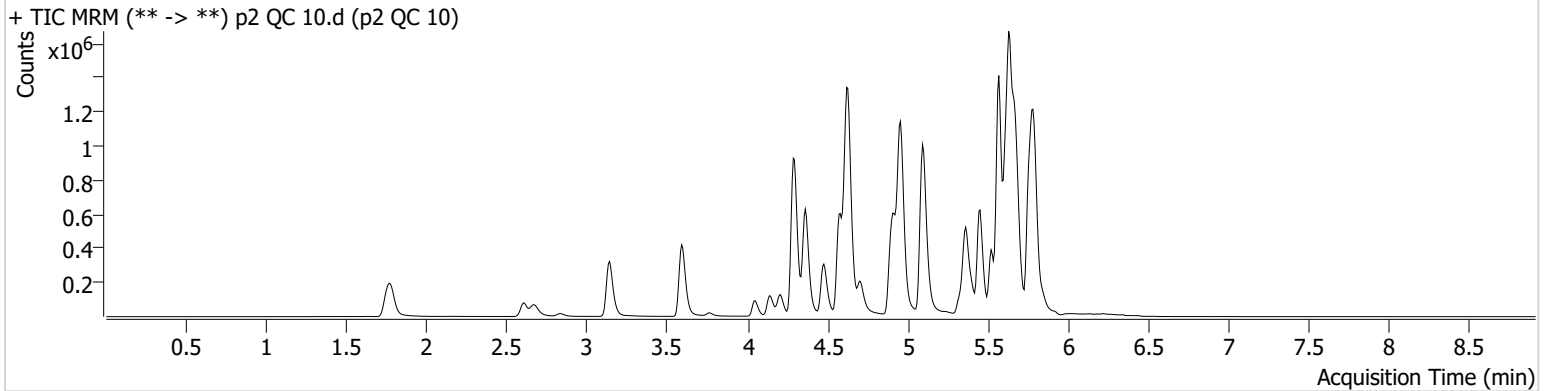


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p2 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p2 QC 10
<b>Acq. Method</b>	AM 28 MDQ P2 Updated 081023.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-H6	<b>Comment</b>	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.
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/3/2023 7:19:42 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.666	119257	882.75	113.6	493.69	454202	10.8457 ng/ml
Maprotiline	5.638	90148	925.82	169.8	359.98	454202	11.0784 ng/ml
Midazolam	5.760	34314	277.29	91.7	353.39	415559	9.9122 ng/ml
Nortriptyline	5.687	131421	5924.05	36.1	280.63	469829	10.0859 ng/ml

CS TS



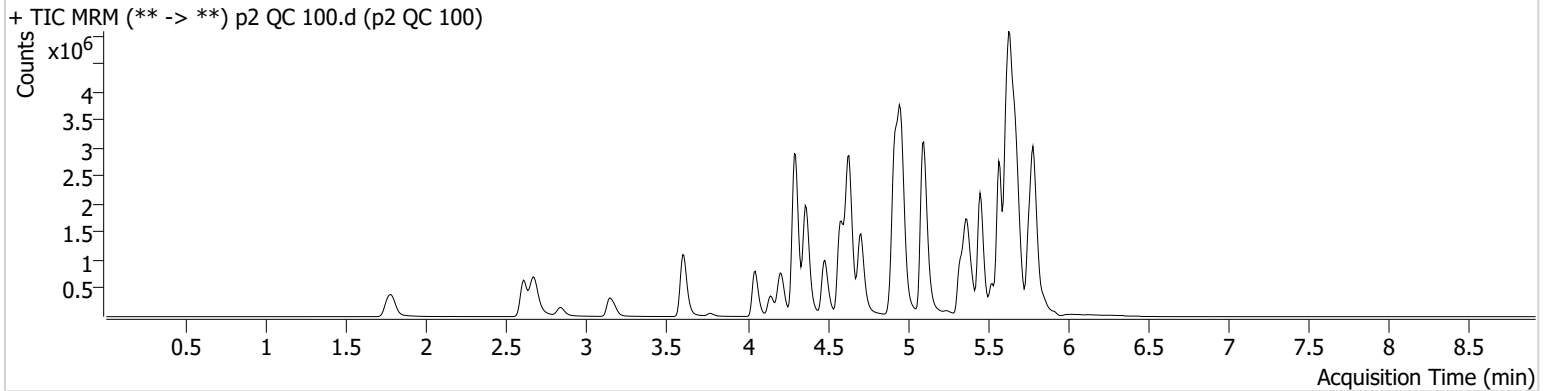
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 QC 100.d  
**Type** QC **Sample** p2 QC 100  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-G6 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 9:39:27 AM  
**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	5.666	941270	2961.15	109.2	3382.79	383294	102.9913 ng/ml
Maprotiline	5.645	488591	7240.99	227.0 <b>High</b>	16814.77	383294	76.5196 ng/ml
Midazolam	5.766	257021	1878.77	86.4	1923.85	312197	107.9739 ng/ml
Nortriptyline	5.694	893373	10005.65	37.2	1411.42	334302	99.9572 ng/ml
Topiramate	4.939	56619	55520.84	40.9	1823.94	54662	124.7452 ng/ml

CS TS



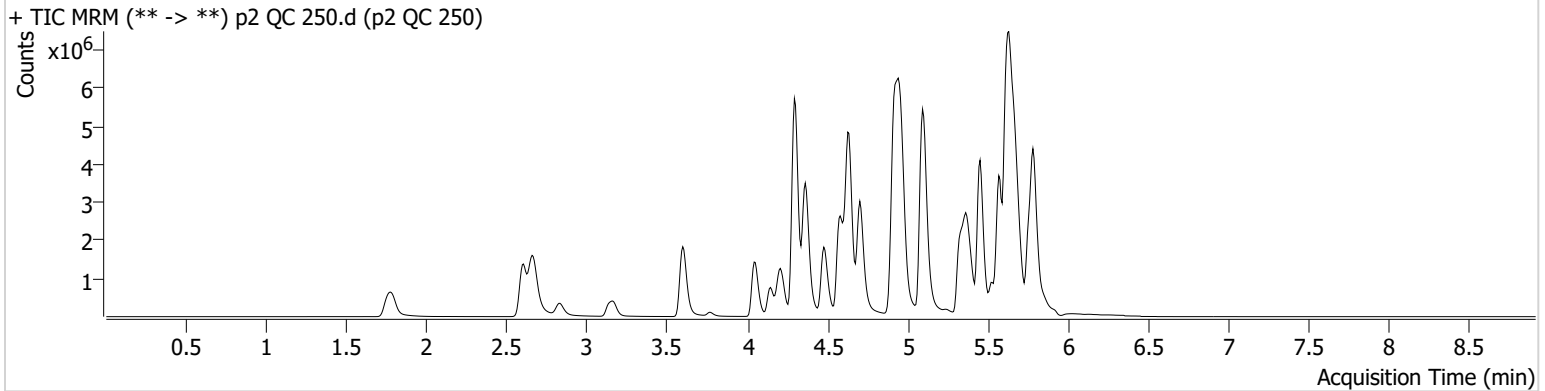
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 QC 250.d  
**Type** QC **Sample** p2 QC 250  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-F6 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 7:41:10 AM  
**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	5.666	1682446	1448.78	108.7	53643.29	280684	251.6540 ng/ml
Maprotiline	5.638	605636	2889.50	310.4 <b>High</b>	29441.36	280684	130.2106 ng/ml
Midazolam	5.760	410803	1783.64	89.1	779.68	213517	253.6999 ng/ml
Nortriptyline	5.694	1426882	13453.46	37.2	81916.85	204150	262.1111 ng/ml
Topiramate	4.939	71106	114.57	45.4	9948.76	40894	274.1637 ng/ml

CS TS



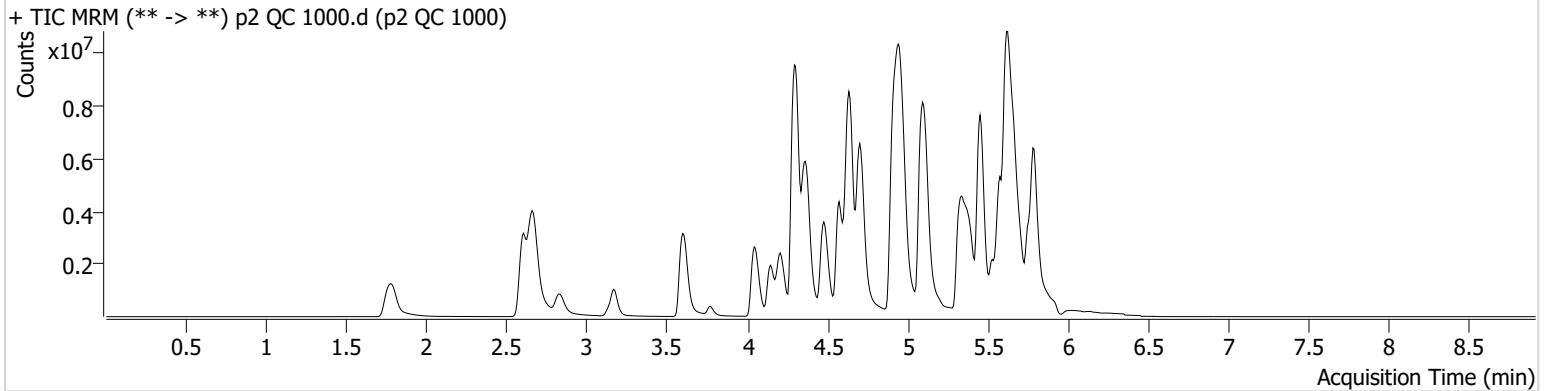
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 QC 1000.d  
**Type** QC **Sample** p2 QC 1000  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-E6 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 8:02:40 AM  
**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	5.666	3028034	1064.02	102.8	49679.20	128859	987.1089 ng/ml
Maprotiline	5.638	511342	61061.36	608.9 <b>High</b>	60175.61	128859	240.2993 ng/ml
Midazolam	5.760	625850	538.46	86.9	715.19	82071	1008.5620 ng/ml
Nortriptyline	5.694	2193428	1375435.03	37.1	31421.15	80752	1019.8427 ng/ml
Topiramate	4.939	85595	947.79	42.2	23.75	17186	963.1933 ng/ml

CS TS



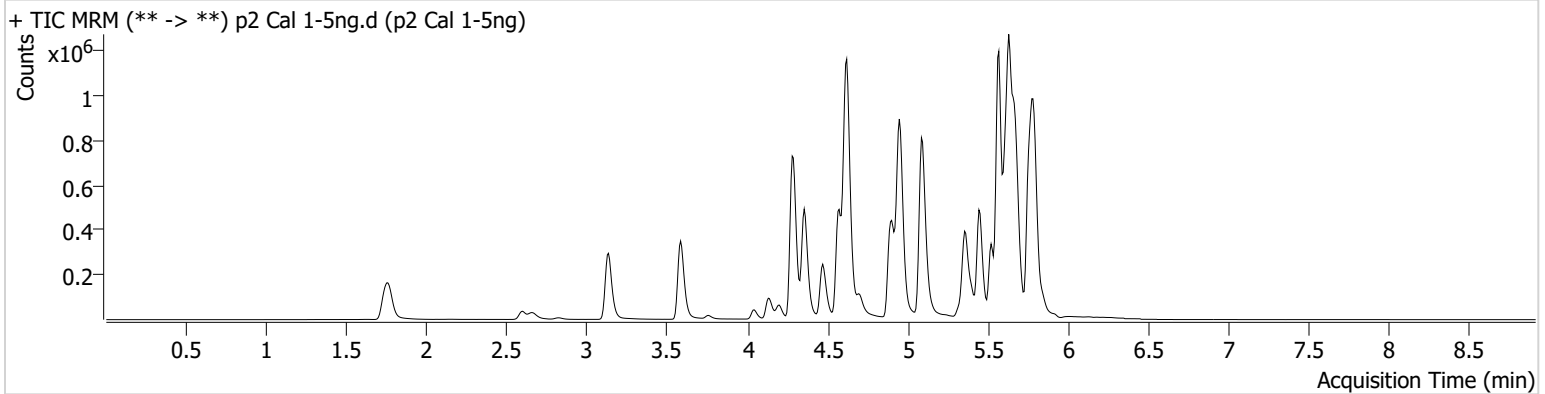
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 Cal 1-5ng.d  
**Type** Cal **Sample** p2 Cal 1-5ng  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-H7 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 5:21:39 AM  
**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	5.666	51505	760.80	123.7	35718.77	439597	4.7367 ng/ml
Maprotiline	5.638	41634	732.73	165.7	686.84	439597	4.7689 ng/ml
Midazolam	5.760	16564	487.78	90.1	4439.88	405023	4.3946 ng/ml
Nortriptyline	5.687	62609	18716.86	36.2	4559.54	440038	4.9234 ng/ml

CS TS



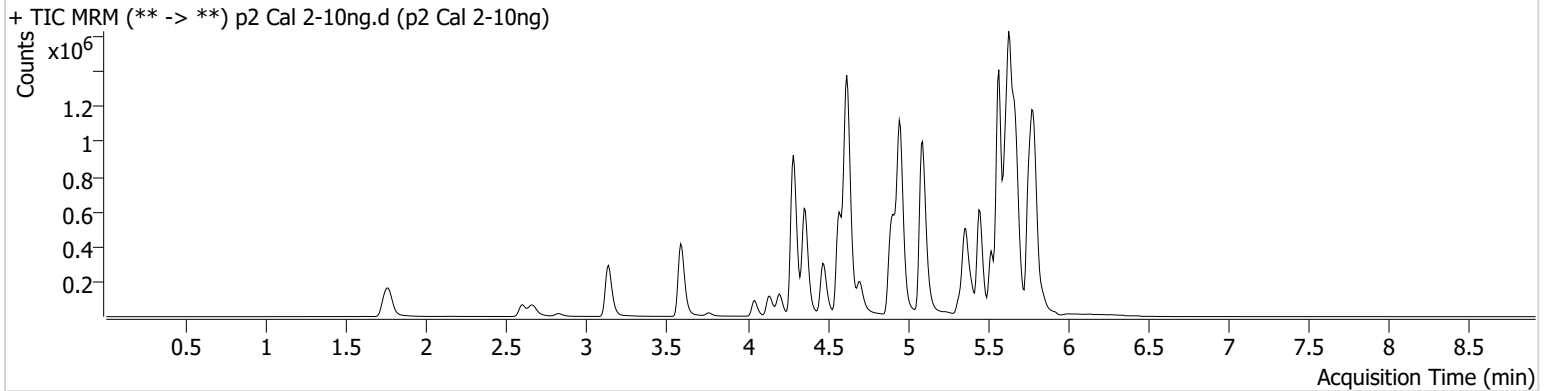
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 Cal 2-10ng.d  
**Type** Cal **Sample** p2 Cal 2-10ng  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-G7 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 5:32:24 AM  
**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	5.666	111587	1211.95	120.0	2436.89	452486	10.1754 ng/ml
Maprotiline	5.638	89616	1485.99	164.0	724.16	452486	11.0527 ng/ml
Midazolam	5.760	33934	419.90	90.0	1094.54	431723	9.3864 ng/ml
Nortriptyline	5.687	127910	2999.05	37.0	18631.62	458066	10.0677 ng/ml



CS TS



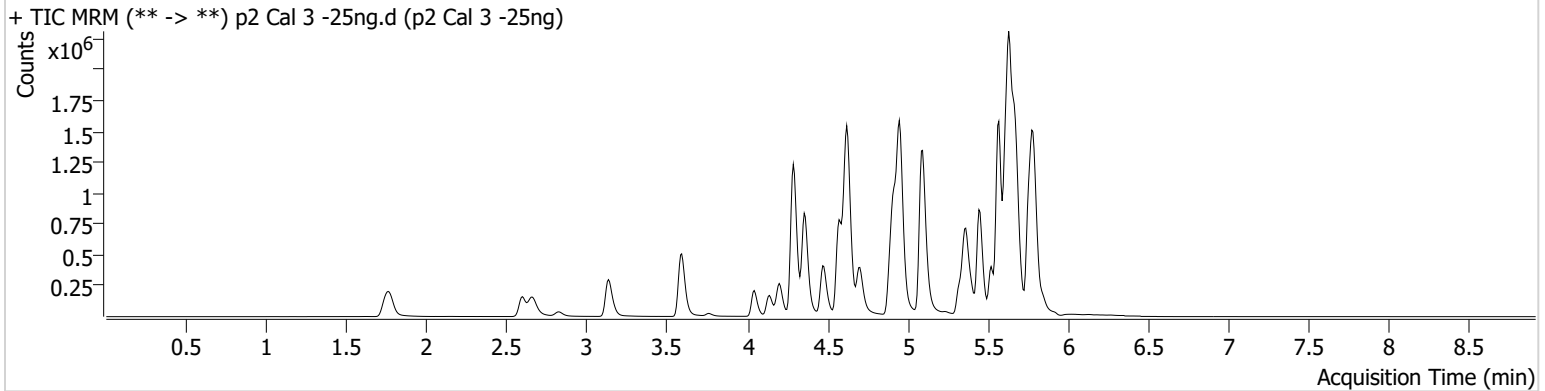
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 Cal 3 -25ng.d  
**Type** Cal **Sample** p2 Cal 3 -25ng  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-F7 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 5:43:08 AM  
**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	5.666	260728	1488.89	116.2	15457.47	436348	24.9189 ng/ml
Maprotiline	5.638	185584	8435.84	177.6	613.89	436348	24.8713 ng/ml
Midazolam	5.759	77607	79.37	90.8	888.63	388375	25.4353 ng/ml
Nortriptyline	5.687	283250	3782.09	36.5	1708.85	421055	24.8473 ng/ml

CS TS



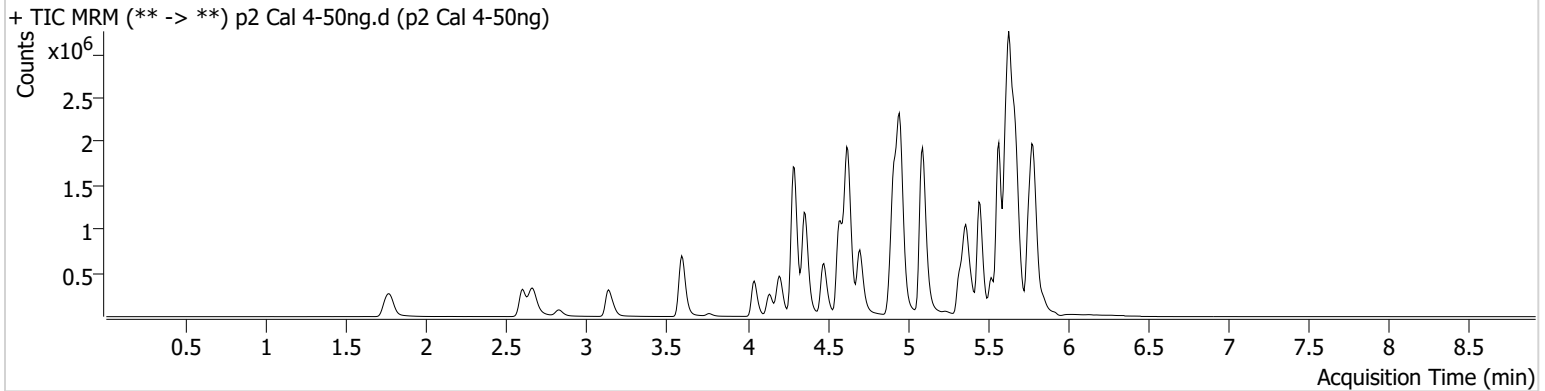
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 Cal 4-50ng.d  
**Type** Cal **Sample** p2 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-E7 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 5:53:51 AM  
**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	5.666	474750	2191.71	117.2	1514.04	393111	50.5543 ng/ml
Maprotiline	5.638	312228	71752.45	192.1	5376.60	393111	47.3046 ng/ml
Midazolam	5.760	146118	684.23	88.5	2081.76	356217	53.2863 ng/ml
Nortriptyline	5.687	499572	165992.24	36.8	113628.16	371428	50.0997 ng/ml
Topiramate	4.939	35440	49137.96	41.9	25135.31	54377	43.1158 ng/ml

CS TS



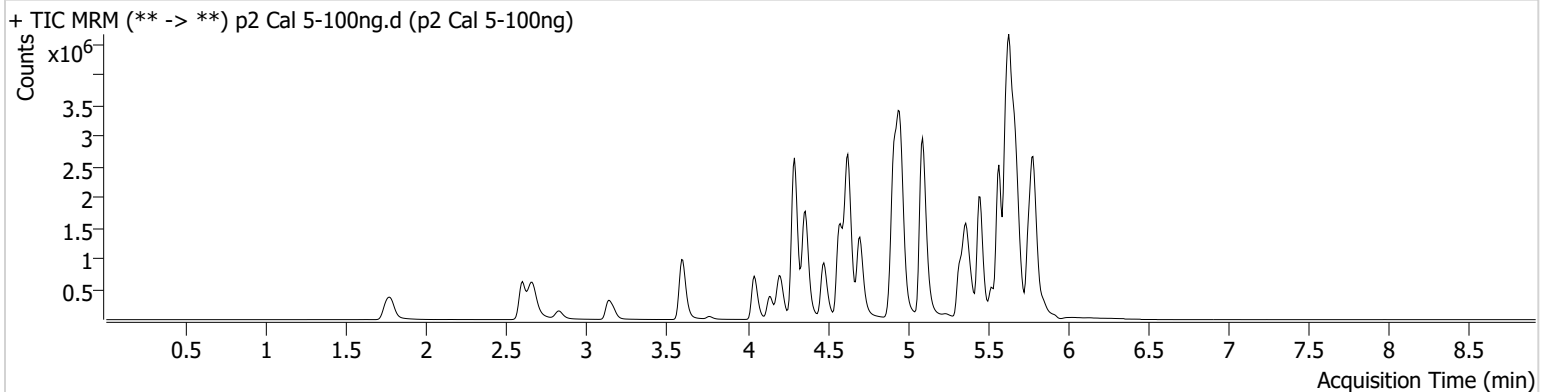
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 Cal 5-100ng.d  
**Type** Cal **Sample** p2 Cal 5-100ng  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-D7 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 6:04:35 AM  
**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	5.666	836294	2891.57	111.3	4403.13	347760	100.8511 ng/ml
Maprotiline	5.638	450850	1271.10	224.5 <b>High</b>	4478.33	347760	77.8405 ng/ml
Midazolam	5.760	240323	1999.35	87.1	622.22	293383	107.4279 ng/ml
Nortriptyline	5.687	804103	219523.90	36.3	102443.15	304524	98.7617 ng/ml
Topiramate	4.932	49794	44279.18	42.6	732.61	53160	103.6751 ng/ml

CS TS



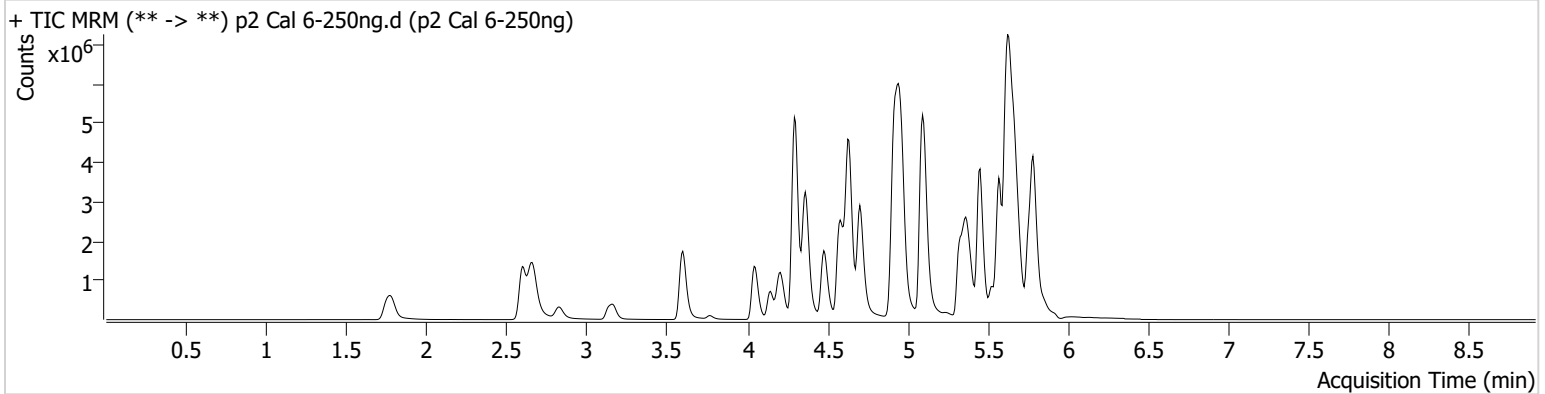
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 Cal 6-250ng.d  
**Type** Cal **Sample** p2 Cal 6-250ng  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-C7 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 6:15:17 AM  
**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	5.666	1625749	2742.21	105.8	31273.87	270788	252.0607 ng/ml
Maprotiline	5.638	577001	4919.85	310.9 <b>High</b>	5091.16	270788	128.5754 ng/ml
Midazolam	5.760	411685	818.62	86.3	1436.57	206364	263.0947 ng/ml
Nortriptyline	5.694	1333373	135468.23	36.9	228513.86	196475	254.4902 ng/ml
Topiramate	4.939	71970	128859.22	44.0	16704.78	39880	288.1614 ng/ml

CS TS



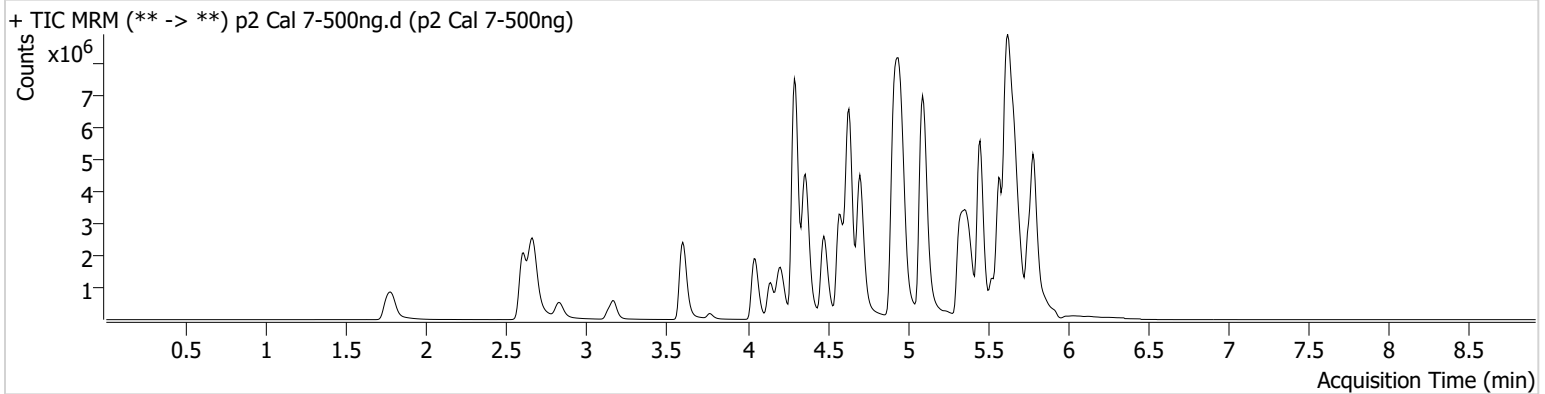
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 Cal 7-500ng.d  
**Type** Cal **Sample** p2 Cal 7-500ng  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-B7 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 6:26:02 AM  
**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	5.666	2290176	1206.40	105.1	36816.58	187202	513.8097 ng/ml
Maprotiline	5.638	563169	31995.24	428.1 <b>High</b>	5904.82	187202	181.9338 ng/ml
Midazolam	5.759	517124	247.15	88.4	1321.13	137837	495.6739 ng/ml
Nortriptyline	5.694	1763331	33407.24	37.3	1013.50	129691	510.2818 ng/ml
Topiramate	4.939	76810	148.71	43.5	18988.90	28213	483.2387 ng/ml

CS TS



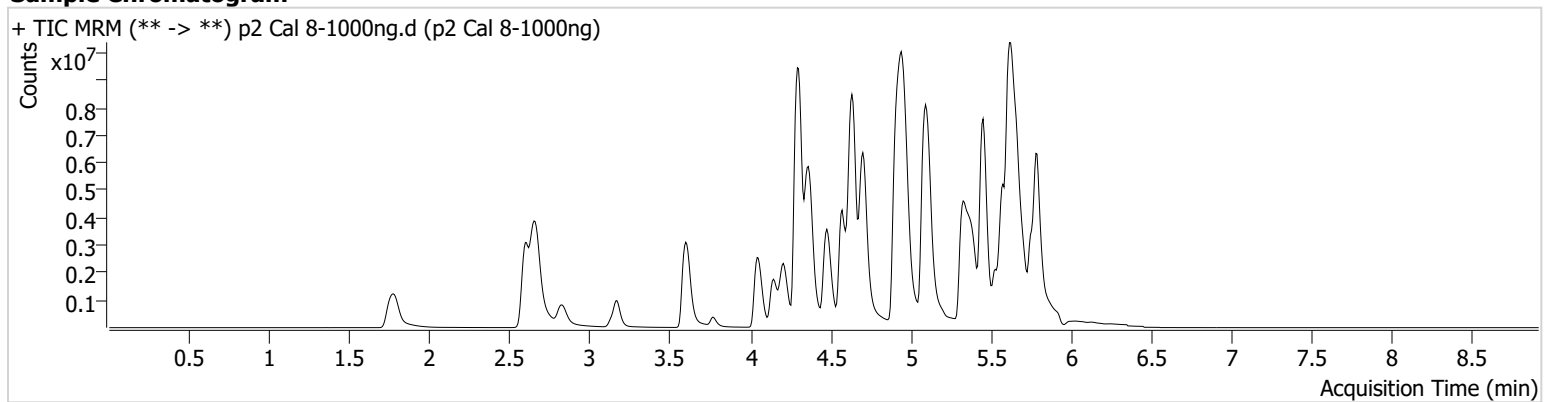
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\100223 AM 28 P1 and P2 TS\QuantResults\AM 28 P2\_Case Review.batch.bin  
**Calibration Last Update** 10/3/2023 11:17:39 AM

**Instrument** Falco (069901) **Data File** p2 Cal 8-1000ng.d  
**Type** Cal **Sample** p2 Cal 8-1000ng  
**Acq. Method** AM 28 MDQ P2 Updated 081023.m **Operator** Tamara Salazar  
**Sample Position** P6-A7 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/3/2023 6:36:46 AM  
**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	5.659	2932702	1735.27	103.7	2578.38	125337	982.8931 ng/ml
Maprotiline	5.638	504027	3061.89	601.5 <b>High</b>	2904.06	125337	243.5305 ng/ml
Midazolam	5.760	631150	128.58	84.2	302.74	85063	981.3009 ng/ml
Nortriptyline	5.694	2121322	2128.19	38.1	20425.73	80734	986.5281 ng/ml
Topiramate	4.946	88937	88616.38	42.2	11963.95	17548	981.8089 ng/ml