

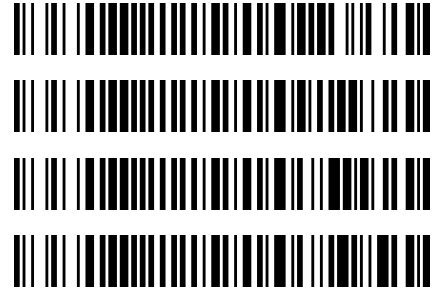
**Worklist: 6486**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-3053	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3397	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3475	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3537	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3541	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3608	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2449	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2480	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2485	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2497	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2498	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2512	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2522	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2542	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2543	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2544	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2554	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2559	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2561	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2566	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2569	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 6486**

SC

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-2575	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-2584	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-2611	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-2615	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

8C

Extraction Date: 08/30/23

Analyst: Sarah Collins

Plate lot#: 230707

Plate Retest Date: 01/07/2024

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: 23A52594

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 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: *Run stopped during a blank due to not saving the data file. The program was restarted and the run continued with no issues.*

*Curve Range Limits:*

*7-aminoclonazepam 5-500 (calibrator 8 dropped due to accuracy)*  
*Amphetamine 5-500 (calibrator 8 dropped due to accuracy)*  
*Buprenorphine 2.5-100 (calibrator 1 and 2 dropped due to ratio)*  
*Codeine 5-500 (calibrator 8 dropped due to accuracy)*  
*Dihydrocodeine 5-500 (calibrator 8 dropped due to accuracy)*  
*Fentanyl 0.5-50 (calibrator 8 dropped due to accuracy)*  
*Hydroxyzine 5-500 (calibrator 8 dropped due to accuracy)*  
*Lamotrigine 5-500 (calibrator 8 dropped due to accuracy)*  
*MDA 5-500 (calibrator 8 dropped due to accuracy)*  
*Meprobamate 5-500 (calibrator 8 dropped due to accuracy)*  
*Mirtazapine 5-500 (calibrator 8 dropped due to accuracy)*  
*Nobuprenorphine 2.5-100 (calibrator 1 and 2 dropped due to ratio)*  
*Norhydrocodone 5-500 (calibrator 8 dropped due to accuracy)*  
*Olanzapine 5-500 (calibrator 8 dropped due to accuracy)*  
*Phentermine 5-500 (calibrator 8 dropped due to accuracy)*  
*Trazodone 5-500 (calibrator 8 dropped due to accuracy)*

85

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	m2023-3475-2	p2023-2449-1	p2023-2542-1							IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	p2023-2480-1	p2023-2561-1	p2023-2615-1							IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	m2023-3537-1	p2023-2497-1	p2023-2522-1							IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	p2023-2485-1	p2023-2566-1	p2023-2543-1 blank start						IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2 urine	m2023-3541-2	p2023-2498-1	p2023-2559-1						IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	negative blood	p2023-2544-1	p2023-2569-1	p2023-2575-1						IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	m2023-3397-2	m2023-3608-2	p2023-2512-1	p2023-2584-1						IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	m2023-3053-1	p2023-2554-2	p2023-2611-1							IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

SC



# AM #28 Multi-Drug Quant. Results

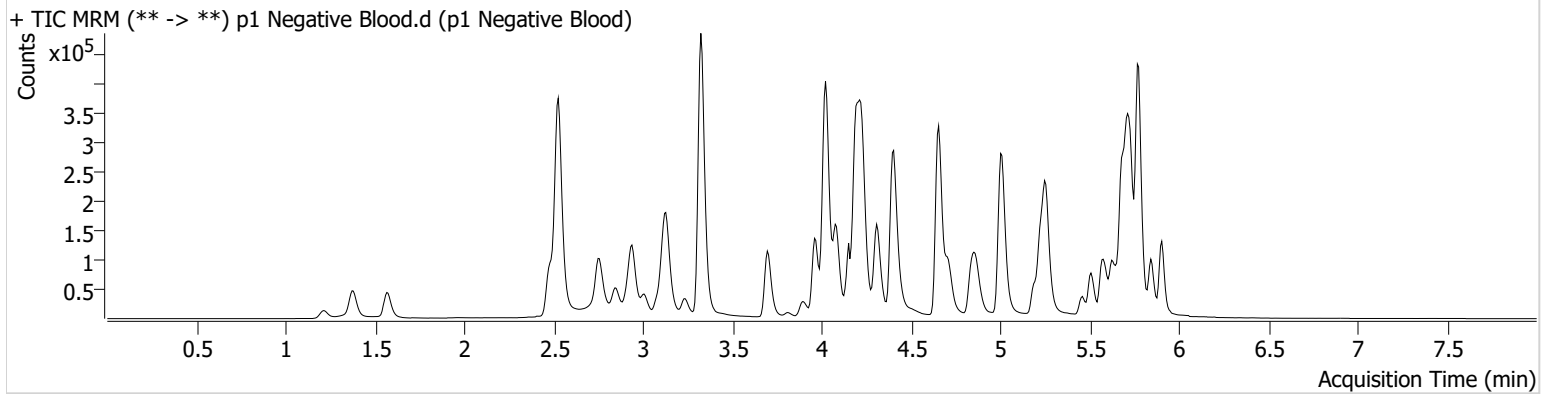
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**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-F2  
**Injection Volume** 2  
**Acq. Date-Time** 8/31/2023 1:29:33 AM  
**Sample Info.**

**Data File** p1 Negative Blood.d  
**Sample** p1 Negative Blood  
**Operator** Sarah Collins  
**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



SC



# AM #28 Multi-Drug Quant. Results

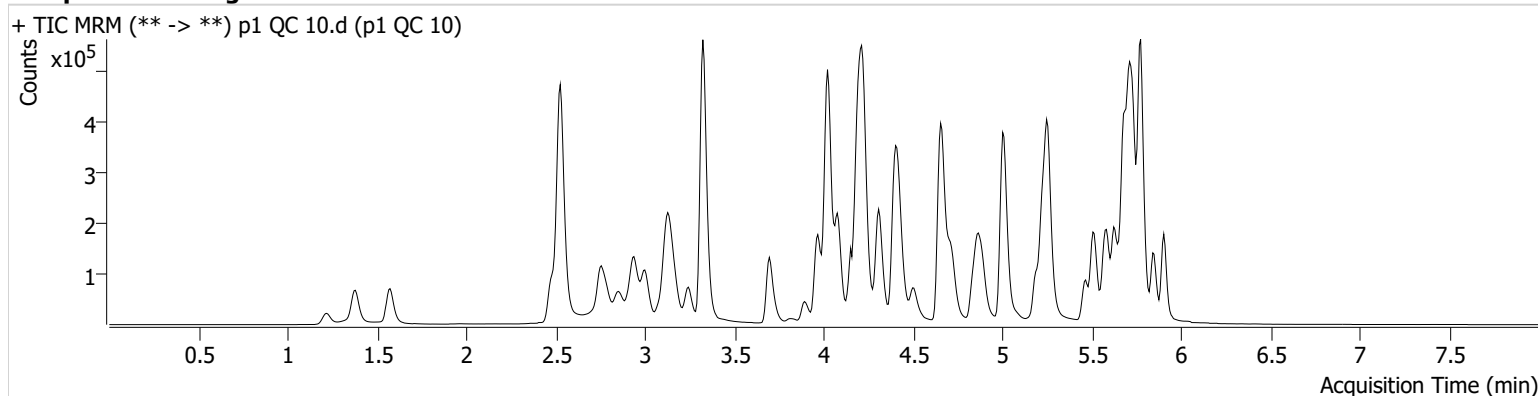
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**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-A2  
**Injection Volume** 2  
**Acq. Date-Time** 8/31/2023 12:25:44 AM  
**Sample Info.**

**Data File** p1 QC 10.d  
**Sample** p1 QC 10  
**Operator** Sarah Collins  
**Comment**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	2354	7729.49	83.8	3383.90	64828	1.0388 ng/ml
7-aminoclonazepam	4.170	60211	280.67	83.0	216.51	217942	10.6394 ng/ml
a-hydroxyalprazolam	5.662	24971	166.22	72.9	224.01	105022	10.2317 ng/ml
alpha-PHP	4.881	20687	588.92	268.1	1899.66	402621	10.3761 ng/ml
alpha-PVP	4.316	105027	356.08	45.9	528.27	402621	9.9508 ng/ml
Alprazolam	5.733	81487	∞	121.9	200.18	365389	9.7485 ng/ml
Amphetamine	3.002	120040	792.32	50.5	1074.35	161338	10.3330 ng/ml
Benzoylcegonine	3.837	5108	138.04	8.1	840.21	17066	8.8294 ng/ml
Bromazolam	5.771	31671	4675.11	121.1	52758.86	159883	10.3431 ng/ml
Buprenorphine	5.578	1025	108.56	12.9	153.33	31662	0.7091 ng/ml
Bupropion	4.724	77550	482.82	68.0	763.55	239415	10.0812 ng/ml
Carisoprodol	5.687	104924	185809.85	52.3	111.79	455636	10.3254 ng/ml
Citalopram	5.192	44028	755.04	38.5	107960.63	194065	10.5429 ng/ml
Clonazepam	5.575	108791	448.23	34.4	2283.69	131760	10.4924 ng/ml
Clonazolam	5.518	70755	587.13	29.9	22843.97	131760	10.5535 ng/ml
Cocaine	4.224	84285	539.41	52.1	535.55	701772	10.3326 ng/ml
Codeine	2.519	13313	76.73	112.1	776.55	74008	11.0172 ng/ml
Cyclobenzaprine	5.591	34325	7771.32	9.0	46.96	138479	10.5973 ng/ml
Dextromethorphan	5.236	24889	277.37	91.2	429.05	107243	10.4238 ng/ml
Dextrorphan	4.084	29599	1095.37	209.7	922.28	351752	10.0610 ng/ml
Diazepam	5.911	51006	613.22	93.6	362.35	244094	10.5453 ng/ml
Dihydrocodeine	2.511	35741	232.40	59.7	1125.08	194861	10.3935 ng/ml
Diphenhydramine	5.257	130245	242.08	26.6	131.96	640329	10.2152 ng/ml
Doxylamine	4.423	193823	657.11	104.2	1472.71	861820	9.9541 ng/ml
Duloxetine	5.624	4629	857.19	14.7	180.80	23918	10.6322 ng/ml
EDDP	5.228	67875	472.62	42.0	108.34	359512	10.5661 ng/ml
Etizolam	5.778	34087	32465.40	25.9	553.20	131760	10.3929 ng/ml
Fentanyl	5.028	3447	29.20	81.5	207.78	181527	1.0167 ng/ml
Fluorofentanyl	5.074	10116	48.86	37.3	828.66	1726	1.2419 ng/ml
Fluoxetine	5.678	42266	249.34	7.3	157.93	139721	10.8164 ng/ml
Hydrocodone	2.965	51706	310.50	29.3	57.22	283359	9.8212 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	50089	211.57	70.6	4822.48	144414	10.1295 ng/ml
Hydroxyzine	5.661	41598	1174.51	68.0	3380.31	107243	12.6713 ng/ml
Ketamine	3.975	89026	327.66	38.8	383.18	349255	10.4880 ng/ml
Lamotrigine	4.213	8213	185.47	82.8	674.93	1077191	10.0736 ng/ml
Lorazepam	5.711	85421	1773.50	45.2	164.15	501915	11.5445 ng/ml
MDA	3.150	102944	724.18	29.9	340.37	315947	10.5218 ng/ml
MDMA	3.251	62370	3649.89	86.2	494.61	72836	10.1918 ng/ml
Meprobamate	4.861	49301	114.39	31.3	942.08	218941	10.4082 ng/ml
Methadone	5.630	67605	619.56	43.0	351.43	243755	9.6477 ng/ml
Methamphetamine	3.178	67444	1158.03	40.4	515.04	319563	10.6438 ng/ml
Metoprolol	4.287	20570	425.28	96.5	773.24	843105	11.2963 ng/ml
Mirtazapine	4.505	105946	1743.20	47.7	736.61	402621	12.2740 ng/ml
Mitragynine	5.156	13023	75.33	33.7	7004.57	243755	11.5126 ng/ml
Morphine	1.227	9010	5184.22	37.3	133.53	24200	10.2022 ng/ml
Norbuprenorphine	4.964	112	185.87	132.4 <b>High</b>	132.83	6315	0.5155 ng/ml
Nordiazepam	5.851	55831	1006.60	61.6	958.96	179945	10.7984 ng/ml
Norfentanyl	4.043	16818	815.72	33.1	79.31	671858	0.9818 ng/ml
Norhydrocodone	3.026	7430	43.08	35.4	169.90	76706	8.8648 ng/ml
Noroxycodone	2.869	46394	356.59	48.3	322.06	145171	9.0944 ng/ml
O-desmethyl-tramadol	3.331	215295	1669.31	5.6	332.72	1247802	10.0517 ng/ml
o-desmethylvenlafaxine	4.029	175506	1328.28	28.7	448.06	255497	10.0980 ng/ml
Olanzapine	3.979	22294	125.94	54.8	417.26	45746	10.8823 ng/ml
Oxazepam	5.713	95625	339.57	78.9	159.21	501915	10.5582 ng/ml
Oxycodone	2.781	97392	1558.86	27.3	397.33	358760	10.3470 ng/ml
Oxymorphone	1.378	50578	∞	43.8	∞	158139	10.2760 ng/ml
Phentermine	3.733	22927	263.02	6.4	14.97	350454	9.8710 ng/ml
Promethazine	5.508	64700	2420.08	29.1	1571.77	275980	10.6473 ng/ml
Pseudoephedrine	2.535	209917	454.69	16.5	828.48	1077191	9.7070 ng/ml
Quetiapine	5.462	78166	195.08	52.5	2941.19	95855	10.5257 ng/ml
Sertraline	5.747	16269	460.00	100.8	283.12	69807	11.1056 ng/ml
Temazepam	5.781	148460	878.29	29.0	75.54	722982	10.1395 ng/ml
Tramadol	4.206	172686	484.77	3.3	65.77	843105	10.3555 ng/ml
Trazodone	4.890	98401	917.68	52.6	539.52	272795	10.7032 ng/ml
Venlafaxine	5.002	129367	698.93	36.5	490.81	694283	10.2471 ng/ml
Xylazine	4.030	45362	1941.69	43.1	205.09	160859	10.4312 ng/ml
Zolpidem	4.674	223455	2028.54	29.4	476.88	918241	10.0894 ng/ml



SC



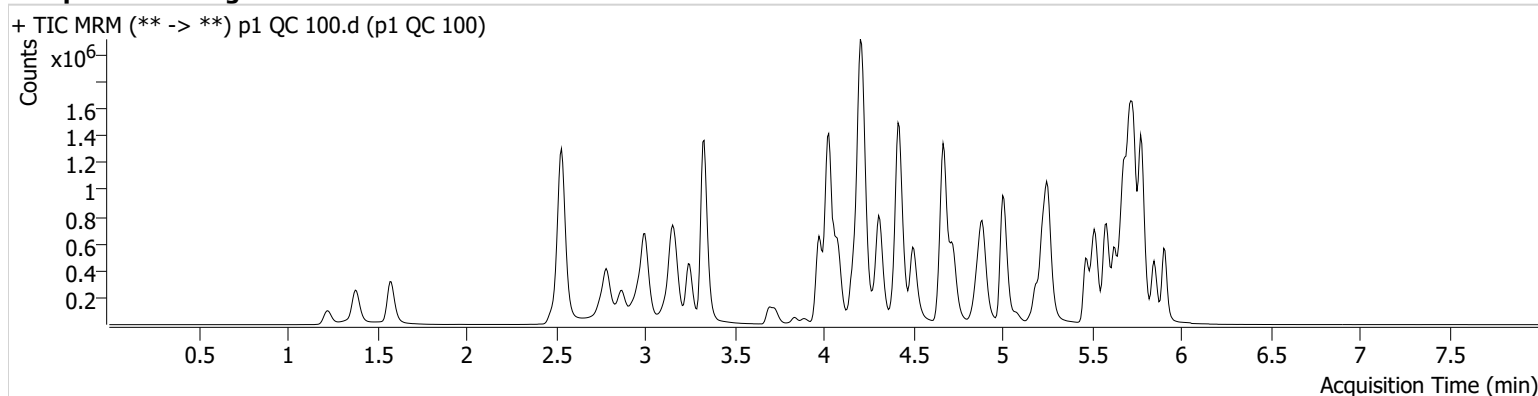
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-B2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/31/2023 9:30:33 AM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	24581	1592.50	73.8	651.90	67619	10.1303 ng/ml
7-aminoclonazepam	4.170	564288	736.26	81.5	38875.20	223944	107.7444 ng/ml
a-hydroxyalprazolam	5.662	218767	447.55	73.7	435.45	93244	101.2180 ng/ml
alpha-PHP	4.881	190062	4829.49	270.9	1371.00	394630	93.8502 ng/ml
alpha-PVP	4.316	1020537	11537.46	47.4	675.75	394630	96.3673 ng/ml
Alprazolam	5.733	789054	1811.33	118.0	820.22	308802	104.0092 ng/ml
Amphetamine	3.002	1135650	12397.83	48.3	23505.50	153382	107.7671 ng/ml
Benzoylcegonine	3.837	60094	267.37	7.5	292.57	18179	101.2708 ng/ml
Bromazolam	5.771	254425	2464.55	125.7	272872.13	131779	103.6679 ng/ml
Buprenorphine	5.578	7802	453.35	13.3	66.64	28471	10.0051 ng/ml
Bupropion	4.724	703335	645.06	67.5	4394.54	215567	99.3478 ng/ml
Carisoprodol	5.687	871674	770188.87	52.3	591.75	385062	102.6607 ng/ml
Citalopram	5.192	388531	12439.84	37.8	4702.09	173040	100.3543 ng/ml
Clonazepam	5.575	984218	43793.71	34.2	11700.75	122149	106.2907 ng/ml
Clonazolam	5.518	654243	2383.26	31.6	166138.53	122149	109.1769 ng/ml
Cocaine	4.224	826294	43381.70	54.2	218.46	694071	100.9217 ng/ml
Codeine	2.519	123857	560.93	109.4	∞	73175	111.4636 ng/ml
Cyclobenzaprine	5.598	280051	551610.09	8.5	723.62	117078	97.8152 ng/ml
Dextromethorphan	5.236	217637	2129.96	83.6	213.26	98748	99.4336 ng/ml
Dextrorphan	4.084	272479	731.40	215.8	30382.89	331569	95.9856 ng/ml
Diazepam	5.911	467699	726.76	90.6	12821.62	225065	105.5082 ng/ml
Dihydrocodeine	2.511	371572	1562.84	58.2	5042.35	205283	107.5478 ng/ml
Diphenhydramine	5.257	1126297	1593.40	28.1	6990.52	569140	97.1280 ng/ml
Doxylamine	4.423	1950690	10349.49	100.9	140307.99	840275	98.1148 ng/ml
Duloxetine	5.624	33285	8538.29	14.2	324.18	17871	100.8653 ng/ml
EDDP	5.228	658392	13978.91	43.6	399.62	354628	101.7688 ng/ml
Etizolam	5.778	292323	1650.33	27.3	92906.34	122149	98.2029 ng/ml
Fentanyl	5.028	26586	214.62	85.4	50385.07	149855	9.5805 ng/ml
Fluorofentanyl	5.074	85302	482.70	36.9	40029.47	1752	10.1039 ng/ml
Fluoxetine	5.685	304554	1769.30	7.7	25563.55	108934	99.7344 ng/ml
Hydrocodone	2.965	528691	∞	30.5	∞	291618	103.5134 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	525700	6248.47	68.2	14991.93	153210	98.7267 ng/ml
Hydroxyzine	5.661	341293	10227.80	71.8	5008.43	98748	109.9502 ng/ml
Ketamine	3.975	880409	1029.74	39.8	1588.02	354895	106.4287 ng/ml
Lamotrigine	4.213	77471	212.64	86.6	902.80	999817	102.7123 ng/ml
Lorazepam	5.711	594312	30818.95	47.8	496.05	400907	109.0921 ng/ml
MDA	3.150	950507	10879.95	29.4	2313.62	292095	106.9524 ng/ml
MDMA	3.251	607429	704579.39	86.1	8641.92	69835	103.0579 ng/ml
Meprobamate	4.861	425501	617.15	29.9	792.77	196909	108.6119 ng/ml
Methadone	5.630	591295	1573.14	42.3	605.55	209639	98.7523 ng/ml
Methamphetamine	3.178	579962	961.74	41.6	776.19	291332	102.1072 ng/ml
Metoprolol	4.287	197575	8168.53	99.1	8178.61	867212	105.8275 ng/ml
Mirtazapine	4.498	988558	7064.05	47.2	6394.60	394630	109.5419 ng/ml
Mitragynine	5.156	116213	683.56	32.3	2308.73	209639	116.6254 ng/ml
Morphine	1.227	95666	1515.58	35.3	973.16	25342	104.1053 ng/ml
Norbuprenorphine	4.957	1163	2270.63	100.3	207.90	5315	10.7811 ng/ml
Nordiazepam	5.851	482910	14671.26	64.9	27849.90	159315	106.9821 ng/ml
Norfentanyl	4.043	161333	10523.36	36.0	143.83	643151	9.6155 ng/ml
Norhydrocodone	3.026	71363	91.32	34.4	131.36	64596	89.0454 ng/ml
Noroxycodone	2.869	473947	2297.69	47.3	560.05	142016	109.2520 ng/ml
O-desmethyl-tramadol	3.331	2251629	1230.48	5.4	421562.96	1275805	99.3301 ng/ml
o-desmethylvenlafaxine	4.029	1751103	30263.67	28.0	2978.22	247696	97.4628 ng/ml
Olanzapine	3.979	175941	1227.75	57.4	1567.84	39208	106.1063 ng/ml
Oxazepam	5.713	740931	365.88	76.1	437.48	400907	105.2891 ng/ml
Oxycodone	2.781	1014445	4973.39	27.9	1929.34	370761	105.3609 ng/ml
Oxymorphone	1.378	497885	∞	44.8	∞	158649	102.3143 ng/ml
Phentermine	3.733	214334	445.19	6.5	93.97	329125	99.0265 ng/ml
Promethazine	5.508	536781	15955.14	29.9	981.53	234374	100.3797 ng/ml
Pseudoephedrine	2.535	2086680	44597.71	16.5	501.75	999817	95.5338 ng/ml
Quetiapine	5.462	742143	404.71	53.3	1123245.49	93233	102.9269 ng/ml
Sertraline	5.747	106797	1417.43	99.3	1212.69	48652	100.2136 ng/ml
Temazepam	5.781	1115003	1860.49	28.1	369.89	532332	99.3289 ng/ml
Tramadol	4.206	1709923	∞	3.6	∞	867212	100.2520 ng/ml
Trazodone	4.890	815608	705679.02	55.0	1734.22	254653	99.2430 ng/ml
Venlafaxine	5.002	1282966	835.98	35.5	976.39	682832	100.3515 ng/ml
Xylazine	4.030	415208	485016.88	46.2	1299.38	149320	102.2645 ng/ml
Zolpidem	4.674	2340932	7693.62	28.7	2565.90	951381	102.3071 ng/ml

SC



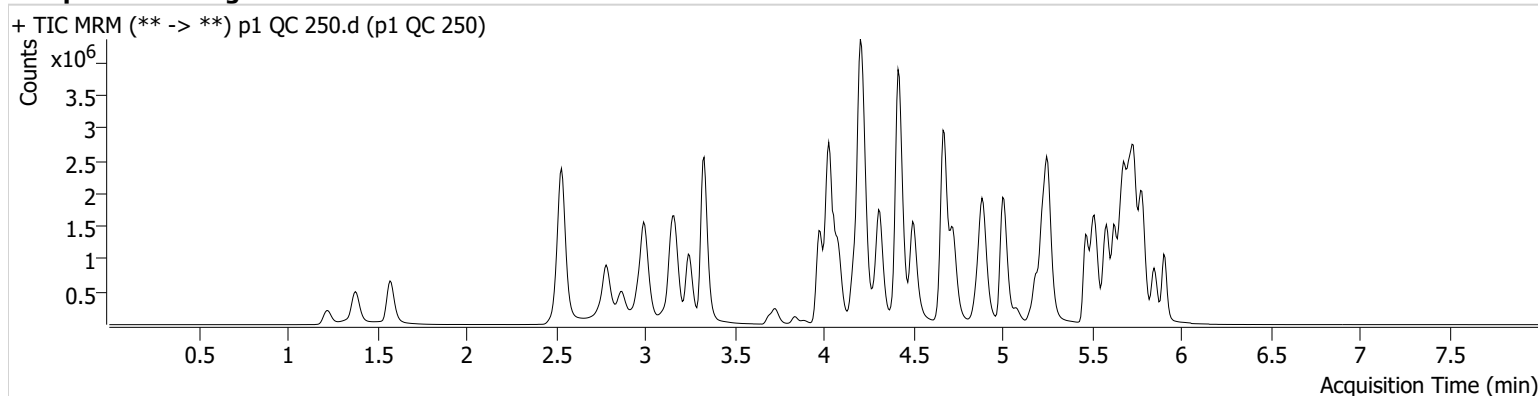
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-C2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/31/2023 12:47:00 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.
6-MAM	3.092	61607	830.66	71.0	746.47	67819	25.2701 ng/ml
7-aminoclonazepam	4.170	1266732	965.84	81.0	776.98	213675	255.2746 ng/ml
a-hydroxyalprazolam	5.655	434990	879.18	75.2	782.46	72983	257.1745 ng/ml
alpha-PHP	4.881	499915	1663.26	264.2	19473.01	395640	245.5604 ng/ml
alpha-PVP	4.316	2529059	35116.29	48.6	12565.73	395640	237.8274 ng/ml
Alprazolam	5.733	1731149	∞	113.0	2615.99	265614	264.1558 ng/ml
Amphetamine	3.002	2789928	3081.87	49.3	7951.16	170162	239.3125 ng/ml
Benzoylcegonine	3.837	145952	902.64	7.8	57765.56	18280	245.1329 ng/ml
Bromazolam	5.771	500486	7567.65	123.7	17490.34	106601	252.5617 ng/ml
Buprenorphine	5.571	23812	886.77	16.3	4209.34	35167	25.5110 ng/ml
Bupropion	4.724	1941171	256951.38	67.2	2041.53	235919	250.1716 ng/ml
Carisoprodol	5.687	1731864	716.33	52.5	471.49	315129	249.4206 ng/ml
Citalopram	5.186	1169084	1112.18	37.3	21488.50	204953	254.2545 ng/ml
Clonazepam	5.575	1997289	22414.49	34.2	613810.87	104042	253.8538 ng/ml
Clonazolam	5.518	1299505	263107.92	33.9	99540.37	104042	255.1787 ng/ml
Cocaine	4.224	1951637	∞	54.4	167726.45	661921	249.6983 ng/ml
Codeine	2.519	243422	3132.44	106.6	1596.08	68471	235.1333 ng/ml
Cyclobenzaprine	5.591	938297	16181.96	8.2	1306.72	149814	255.2811 ng/ml
Dextromethorphan	5.229	642462	16429.00	79.7	713.06	115312	251.4453 ng/ml
Dextrorphan	4.084	681377	789.22	216.1	1856.72	323155	245.8713 ng/ml
Diazepam	5.905	1001768	873.13	91.2	5494.01	199411	255.1627 ng/ml
Dihydrocodeine	2.504	827257	2224.43	59.3	4333.15	197787	249.2514 ng/ml
Diphenhydramine	5.257	3361088	3955.45	28.6	111251.42	666697	247.0355 ng/ml
Doxylamine	4.416	5441307	63781.23	98.6	27173.09	898350	255.1916 ng/ml
Duloxetine	5.624	110429	14196.21	13.0	714.73	23848	250.5212 ng/ml
EDDP	5.228	1813550	1030.34	43.6	1776.67	390629	254.1257 ng/ml
Etizolam	5.778	622329	4037.98	27.5	208425.13	104042	245.8267 ng/ml
Fentanyl	5.028	83992	250.12	85.6	348.57	176335	25.7381 ng/ml
Fluorofentanyl	5.074	278925	2215.14	36.5	14023.29	1949	29.6559 ng/ml
Fluoxetine	5.678	906053	444.19	8.1	39398.36	129641	249.2762 ng/ml
Hydrocodone	2.965	1223540	∞	31.5	∞	285913	245.2436 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	1230593	8014.52	71.0	1364.05	143718	246.1203 ng/ml
Hydroxyzine	5.661	1066260	16465.55	76.7	12421.73	115312	293.5376 ng/ml
Ketamine	3.975	2058310	6948.86	39.1	2068.25	350959	252.2907 ng/ml
Lamotrigine	4.220	160348	920.52	87.7	62630.50	865763	245.5608 ng/ml
Lorazepam	5.711	846658	19365.52	47.7	6258.58	260802	240.2192 ng/ml
MDA	3.150	2211252	2784.04	28.9	2956.25	295827	245.9434 ng/ml
MDMA	3.244	1525178	2834.33	87.5	8831.33	70482	256.3138 ng/ml
Meprobamate	4.861	879956	375.07	29.1	570.23	195930	226.8329 ng/ml
Methadone	5.630	1848862	26862.62	42.7	10915.47	262547	246.6582 ng/ml
Methamphetamine	3.171	1673985	2445.38	40.7	2430.37	331956	258.9627 ng/ml
Metoprolol	4.287	460673	1488.23	98.9	15287.50	802489	266.7146 ng/ml
Mirtazapine	4.498	2805565	2574.74	46.2	8946.76	395640	308.5211 ng/ml
Mitragynine	5.156	380714	2467.78	32.4	16273.57	262547	304.5844 ng/ml
Morphine	1.227	223002	1032.18	35.9	2330.14	24334	252.8313 ng/ml
Norbuprenorphine	4.957	3709	614.06	97.5	275.86	6633	28.1552 ng/ml
Nordiazepam	5.851	1029393	8425.75	63.5	8619.05	138683	262.2214 ng/ml
Norfentanyl	4.043	359364	727.65	36.3	2937.15	557055	24.6897 ng/ml
Norhydrocodone	3.026	155399	349.83	37.7	69.00	49548	250.6633 ng/ml
Noroxycodone	2.869	1057352	7199.11	47.4	3291.89	133798	260.7734 ng/ml
O-desmethyl-tramadol	3.331	5383749	3012.05	5.7	1268.48	1194993	252.9774 ng/ml
o-desmethylvenlafaxine	4.029	4061826	2950.83	27.2	3352.37	217107	256.7796 ng/ml
Olanzapine	3.979	561599	2128.83	58.1	2226.77	53527	249.0498 ng/ml
Oxazepam	5.713	1195216	12616.38	75.3	354.07	260802	261.5748 ng/ml
Oxycodone	2.781	2448615	33866.06	28.3	1721.94	369910	255.0678 ng/ml
Oxymorphone	1.378	1154024	∞	43.5	∞	150106	250.8911 ng/ml
Phentermine	3.733	559239	2500.42	6.1	184.72	354666	239.8939 ng/ml
Promethazine	5.508	1741406	1525.00	31.4	2405.05	303792	250.6125 ng/ml
Pseudoephedrine	2.535	4769892	1636.05	16.2	661.13	865763	250.7691 ng/ml
Quetiapine	5.462	2154225	116252.45	55.5	955.09	111141	250.6564 ng/ml
Sertraline	5.747	288664	29568.98	97.3	12876.23	53396	246.0401 ng/ml
Temazepam	5.781	1935467	27127.74	27.6	3779.88	358260	255.4918 ng/ml
Tramadol	4.206	4041360	∞	3.6	815.47	802489	256.1546 ng/ml
Trazodone	4.890	2246626	7455.27	58.9	10608.77	302432	230.8865 ng/ml
Venlafaxine	5.002	3300987	2502.79	34.9	1182.98	700541	251.1769 ng/ml
Xylazine	4.030	1081661	71895.04	48.2	6753.62	154973	256.5911 ng/ml
Zolpidem	4.674	5922228	38607.70	27.9	1809962.39	949217	259.4616 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

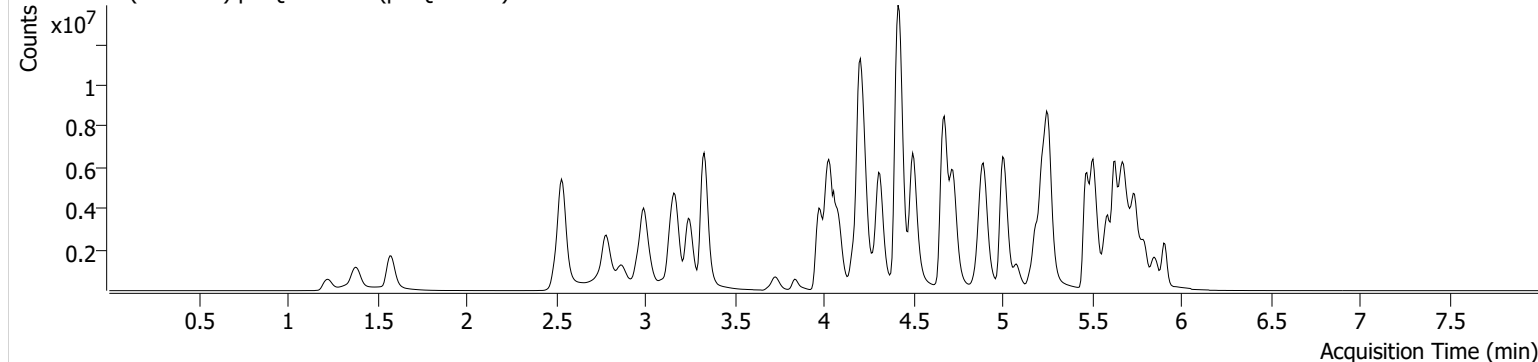
**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-D2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/31/2023 1:08:17 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

+ TIC MRM (\*\* -> \*\*) p1 QC 1000.d (p1 QC 1000)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	254433	1338.01	69.6	202251.36	67024	105.5059 ng/ml
7-aminoclonazepam	4.170	2966331	3428.59	78.5	634.11	170468	751.8484 ng/ml
a-hydroxyalprazolam	5.655	656159	133.17	71.0	309.89	29103	972.9345 ng/ml
alpha-PHP	4.881	1982933	27730.28	266.0	85265.26	349203	1102.1280 ng/ml
alpha-PVP	4.316	9780835	∞	48.5	220817.93	349203	1041.2145 ng/ml
Alprazolam	5.739	3880013	1032.99	110.8	903.37	147981	1060.4590 ng/ml
Amphetamine	2.995	7962775	62076.67	47.8	103958.50	178835	650.8469 ng/ml
Benzoylcegonine	3.837	684184	1630.63	7.9	1096.51	20151	1043.6688 ng/ml
Bromazolam	5.771	853066	632305.82	128.4	920351.34	51561	890.8372 ng/ml
Buprenorphine	5.571	113222	73537.34	13.7	23800.67	47875	90.4393 ng/ml
Bupropion	4.724	8692428	504214.83	64.8	209744.10	244737	1079.0832 ng/ml
Carisoprodol	5.694	2858436	666.04	51.8	359.60	123947	1047.0635 ng/ml
Citalopram	5.186	5116652	3320.25	37.3	1305280.59	210777	1080.5744 ng/ml
Clonazepam	5.575	3572790	60246.95	34.5	36250.21	56955	830.5189 ng/ml
Clonazolam	5.525	2511807	69639.52	34.1	916496.67	56955	902.1022 ng/ml
Cocaine	4.224	6216404	23299.41	54.2	493.74	513856	1023.9988 ng/ml
Codeine	2.512	554756	∞	99.1	2119.47	57237	642.6442 ng/ml
Cyclobenzaprine	5.598	4353274	77905.95	7.4	9056.14	157010	1128.3387 ng/ml
Dextromethorphan	5.229	2325730	585.27	76.7	601.29	100621	1043.2955 ng/ml
Dextrorphan	4.084	2428697	∞	218.0	1193.86	265748	1064.8355 ng/ml
Diazepam	5.911	2527931	11600.04	90.1	47966.23	136123	943.4546 ng/ml
Dihydrocodeine	2.497	2325676	49659.41	59.6	∞	193272	718.1484 ng/ml
Diphenhydramine	5.257	13453237	4711.56	28.8	1856.56	632784	1040.9550 ng/ml
Doxylamine	4.416	22612639	410712.46	97.8	409193.03	979773	970.9795 ng/ml
Duloxetine	5.624	361957	323885.64	13.8	5125.05	19683	994.4081 ng/ml
EDDP	5.228	8690770	1006.67	41.7	2113.96	437556	1086.4054 ng/ml
Etizolam	5.778	1528840	1144.41	27.4	6657.93	56955	1104.0412 ng/ml
Fentanyl	5.028	410873	1479.83	81.0	101678.34	165224	134.4152 ng/ml
Fluorofentanyl	5.074	1568953	25385.89	36.2	7834.64	2874	113.0307 ng/ml
Fluoxetine	5.685	3263821	532.31	7.8	303970.49	106986	1088.0040 ng/ml
Hydrocodone	2.958	3895525	811.87	33.4	1779.89	269338	830.4418 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	3869881	25789460.95	71.6	5746490.98	112441	988.7732 ng/ml
Hydroxyzine	5.661	4447984	18890.33	80.6	11328.38	100621	1401.8755 ng/ml
Ketamine	3.975	5889627	449334.66	38.2	535.13	302157	839.6566 ng/ml
Lamotrigine	4.227	260584	1482.01	90.4	72519.96	563612	613.0573 ng/ml
Lorazepam	5.711	852555	3221.46	47.5	239.54	70385	899.3271 ng/ml
MDA	3.143	5215286	98060.40	27.2	3121.36	237827	721.9287 ng/ml
MDMA	3.244	5510231	9014.80	87.1	3016.86	66318	984.0170 ng/ml
Meprobamate	4.855	1555448	78558.56	28.1	11046.57	150613	522.9228 ng/ml
Methadone	5.630	9225024	1914.55	40.5	1497.53	305688	1057.2565 ng/ml
Methamphetamine	3.171	7441190	81261.55	39.1	29471.33	418235	914.1806 ng/ml
Metoprolol	4.287	1243623	927196.89	99.5	69602.27	703821	821.0417 ng/ml
Mirtazapine	4.498	12944056	6685.84	43.4	157374.06	349203	1609.0892 ng/ml
Mitragynine	5.156	1699402	29919.07	32.5	1145939.47	305688	1166.8477 ng/ml
Morphine	1.227	667645	∞	35.3	∞	19605	939.7222 ng/ml
Norbuprenorphine	4.957	17675	15002.97	101.0	7801.91	8991	99.9590 ng/ml
Nordiazepam	5.858	2209059	47029.56	63.5	8605.53	79196	985.8692 ng/ml
Norfentanyl	4.050	877710	29279.20	37.2	5514.61	302346	111.0163 ng/ml
Norhydrocodone	3.026	593114	850.10	34.9	759.27	35334	1336.5028 ng/ml
Noroxycodone	2.869	2741369	∞	47.9	16022.28	96552	940.8366 ng/ml
O-desmethyl-tramadol	3.331	18187285	163571.34	5.7	303013.66	976777	1044.3421 ng/ml
o-desmethylvenlafaxine	4.029	10800155	117263.35	26.4	4422.57	131059	1128.6649 ng/ml
Olanzapine	3.979	2273722	6036.15	60.7	3469.16	80940	668.0225 ng/ml
Oxazepam	5.713	1147044	164.42	74.7	187.91	70385	931.0139 ng/ml
Oxycodone	2.781	8958576	2959.12	27.8	3592.96	373427	924.7203 ng/ml
Oxymorphone	1.378	3494956	∞	43.3	708.73	117639	970.0018 ng/ml
Phentermine	3.733	1963010	∞	5.5	542.66	401778	743.5044 ng/ml
Promethazine	5.508	9320746	147703.87	29.2	32397.51	353342	1151.7858 ng/ml
Pseudoephedrine	2.535	14272973	1305.01	15.3	2620.56	563612	1149.5312 ng/ml
Quetiapine	5.469	9381969	1325.67	57.7	103021.04	130012	933.2530 ng/ml
Sertraline	5.747	825575	613.10	95.5	40505.30	36051	1040.5486 ng/ml
Temazepam	5.795	2566690	18527.83	27.5	9233.47	109665	1105.3815 ng/ml
Tramadol	4.199	12164799	1437.33	3.6	∞	703821	879.2950 ng/ml
Trazodone	4.897	8161218	1158152.13	67.8	2097749.61	351277	723.2415 ng/ml
Venlafaxine	5.002	13723288	554934.02	33.1	1364.62	681443	1072.4166 ng/ml
Xylazine	4.030	4043839	397780.31	51.6	51858.65	147206	1009.6976 ng/ml
Zolpidem	4.675	19969708	28446.97	28.1	6154.68	920468	902.3080 ng/ml

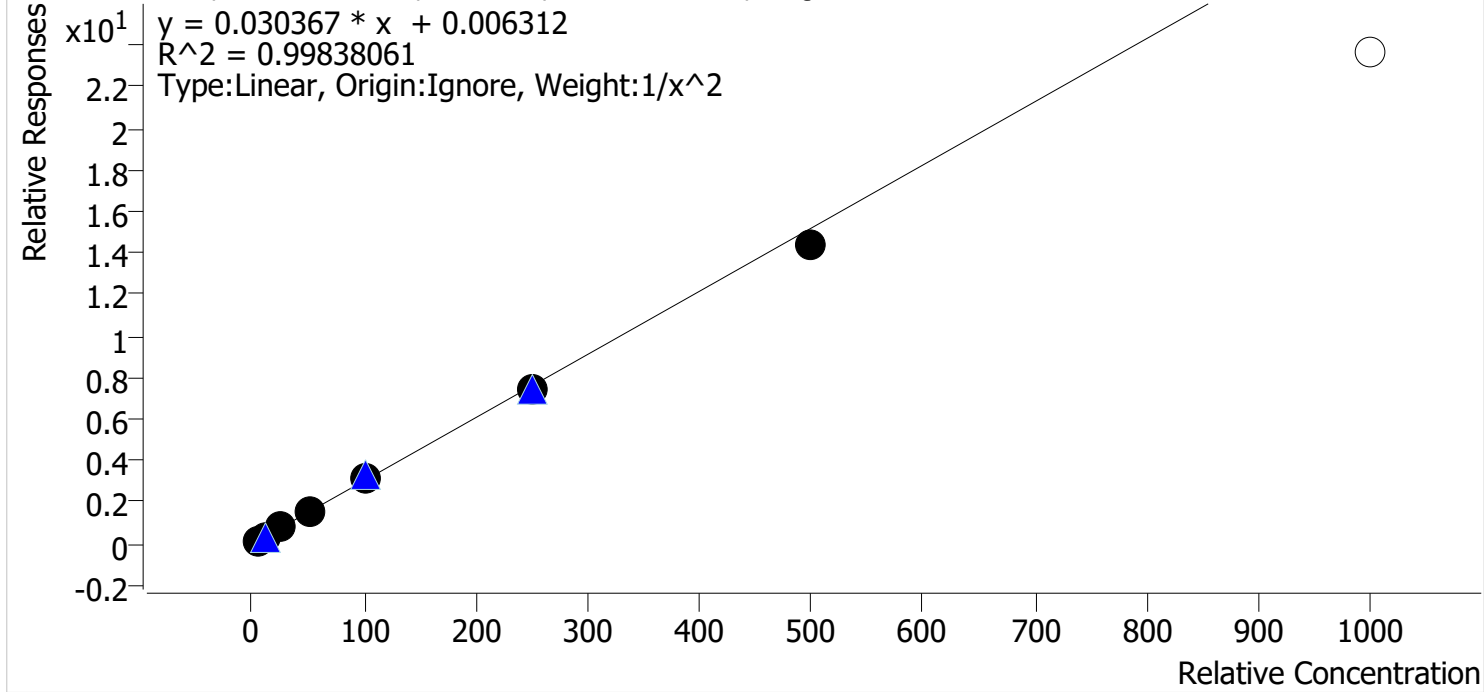
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5

MDA - 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	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	471.4	94.3
p1 Cal 8-1000ng	8	✗	1000.0	777.9	77.8

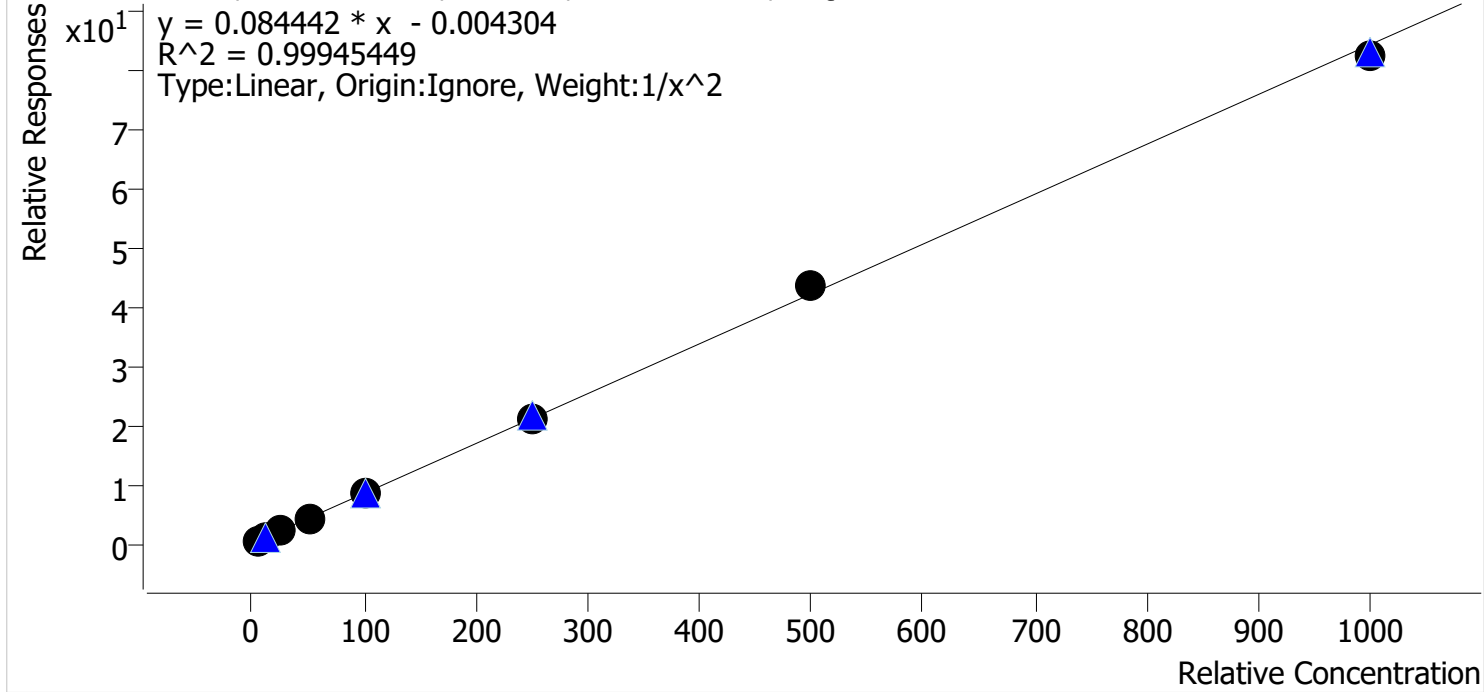
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

MDMA - 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	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	517.3	103.5
p1 Cal 8-1000ng	8	✓	1000.0	974.7	97.5



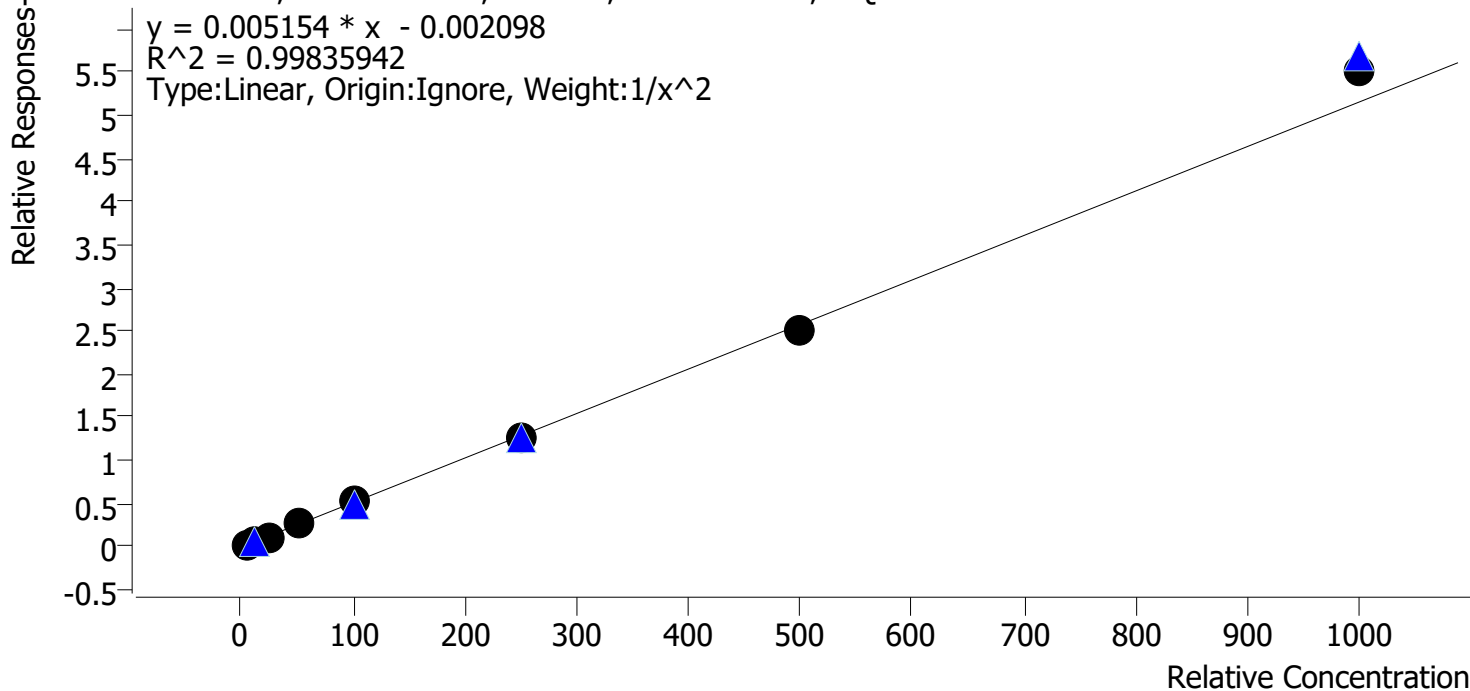
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8

alpha-PHP - 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	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	248.6	99.5
p1 Cal 7-500ng	7	✓	500.0	483.1	96.6
p1 Cal 8-1000ng	8	✓	1000.0	1069.1	106.9

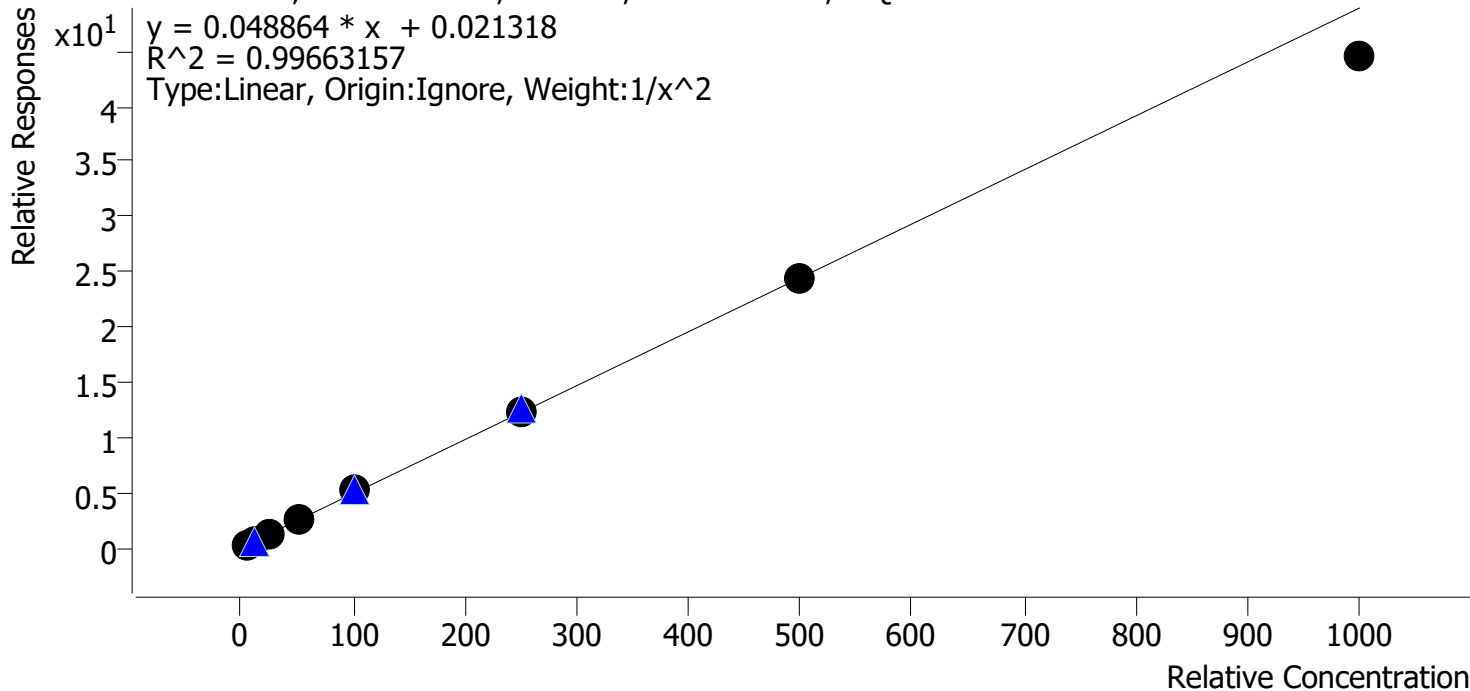
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

Clonazolam - 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	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.4	94.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	910.2	91.0

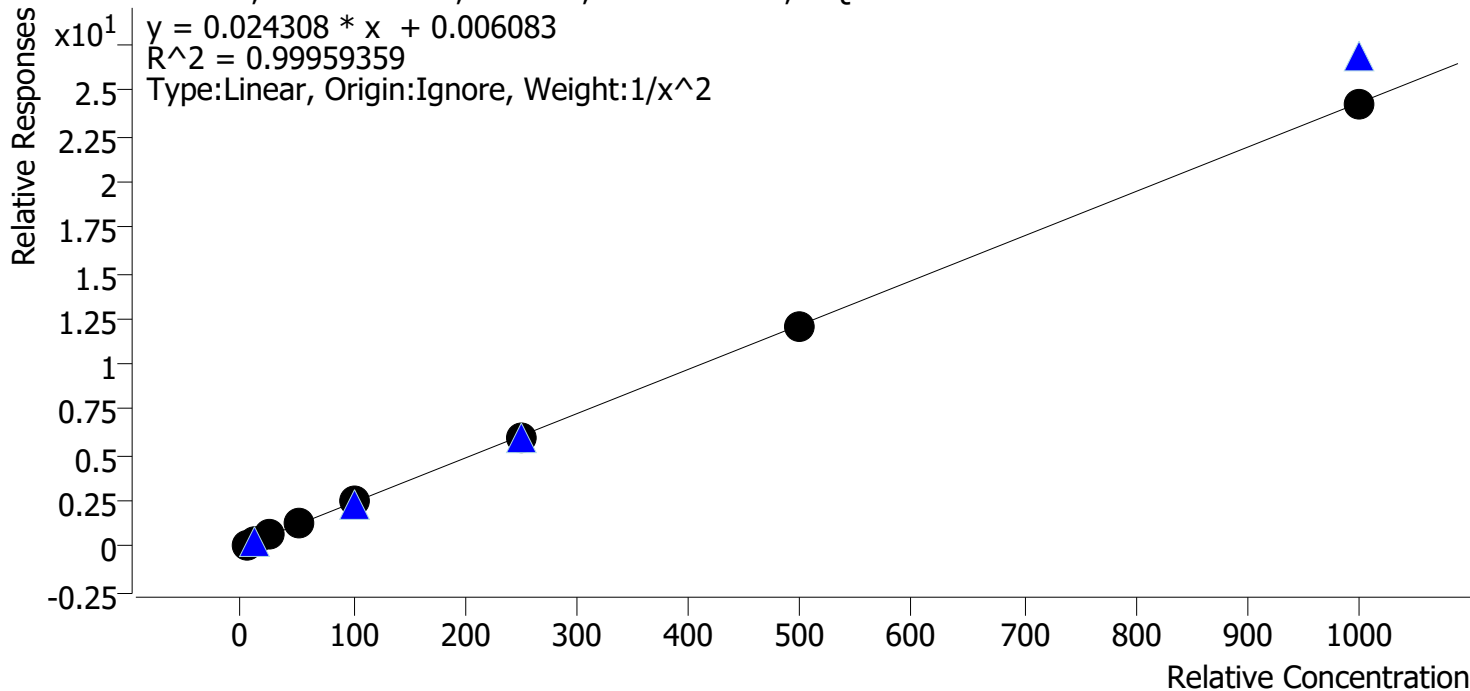
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

Etizolam - 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	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	996.5	99.6

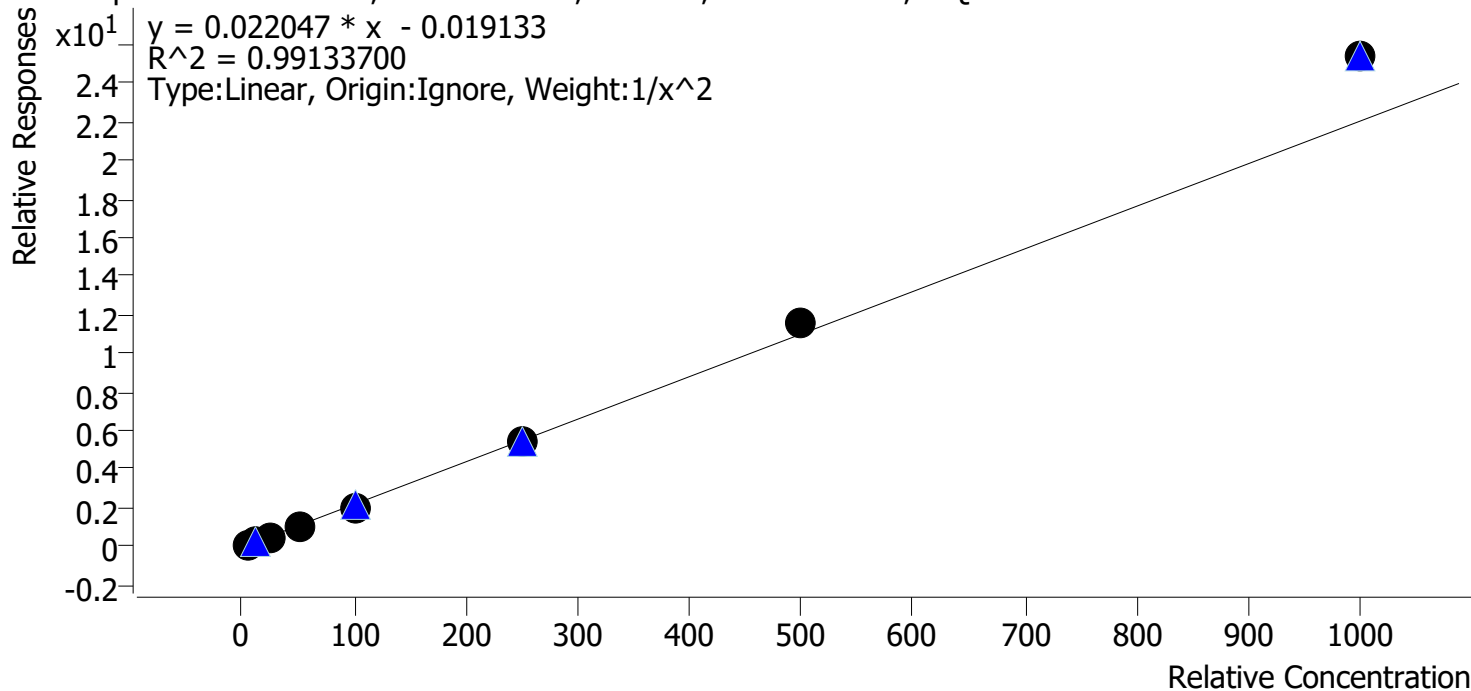
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

Pseudoephedrine - 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	104.8
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	46.0	92.1
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	529.0	105.8
p1 Cal 8-1000ng	8	✓	1000.0	1151.5	115.1

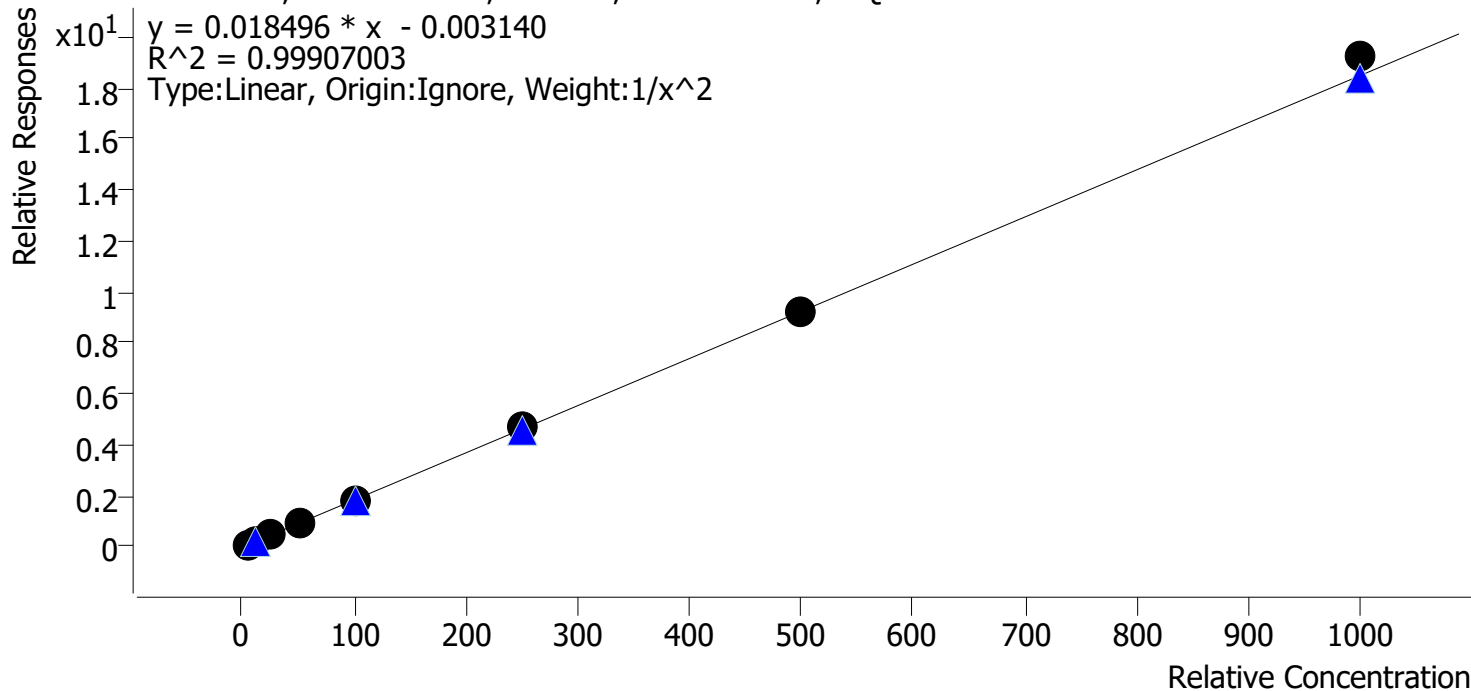
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3

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



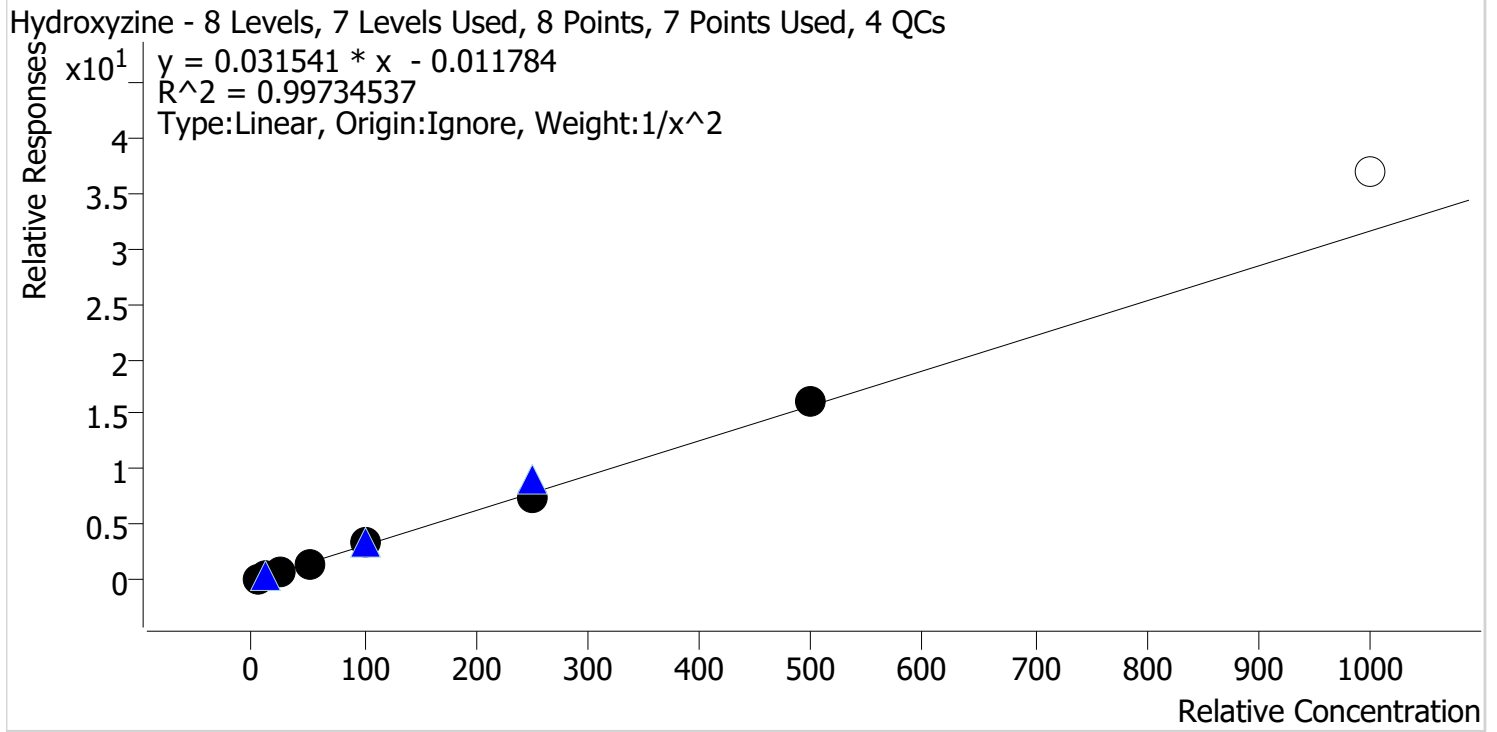
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1040.2	104.0

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3



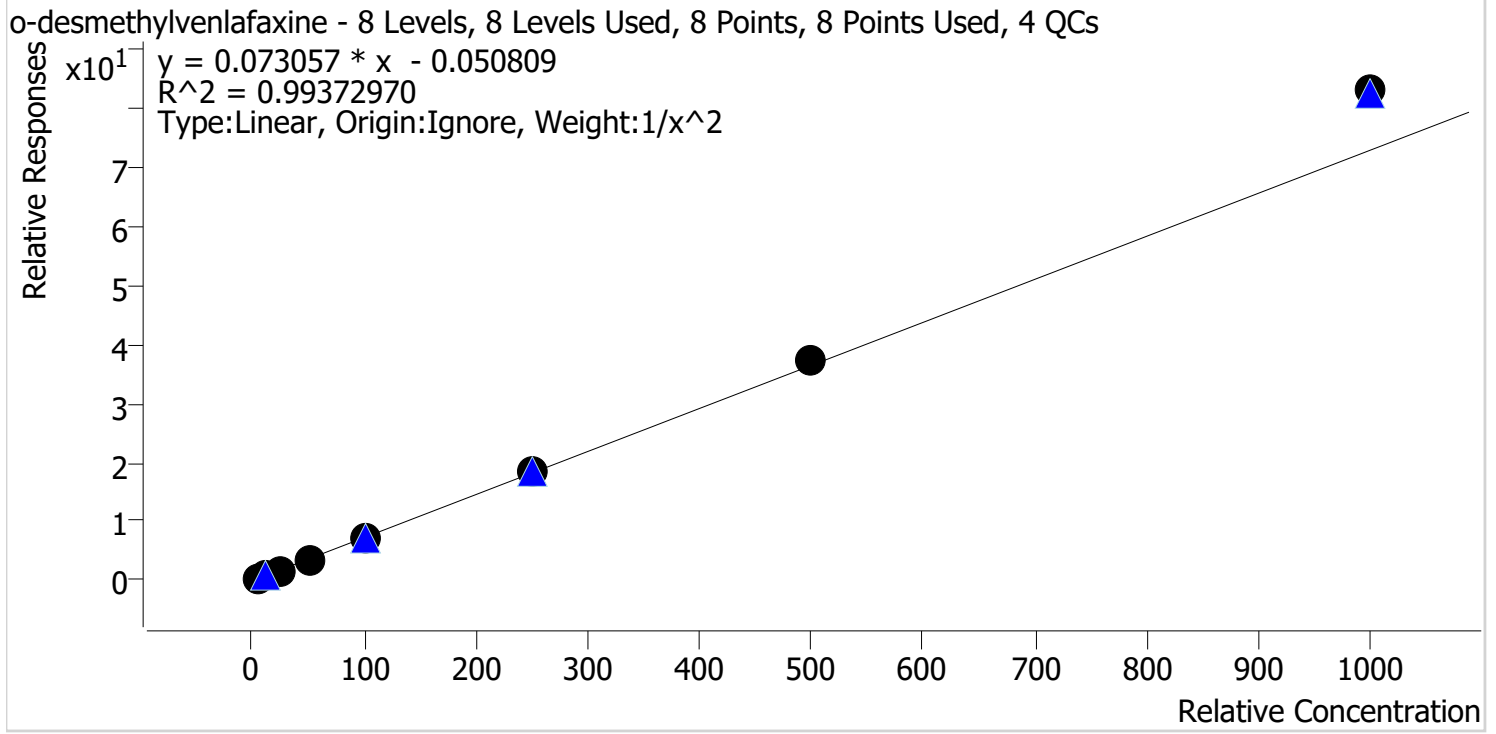
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	234.3	93.7
p1 Cal 7-500ng	7	✓	500.0	517.5	103.5
p1 Cal 8-1000ng	8	✗	1000.0	1170.8	117.1

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



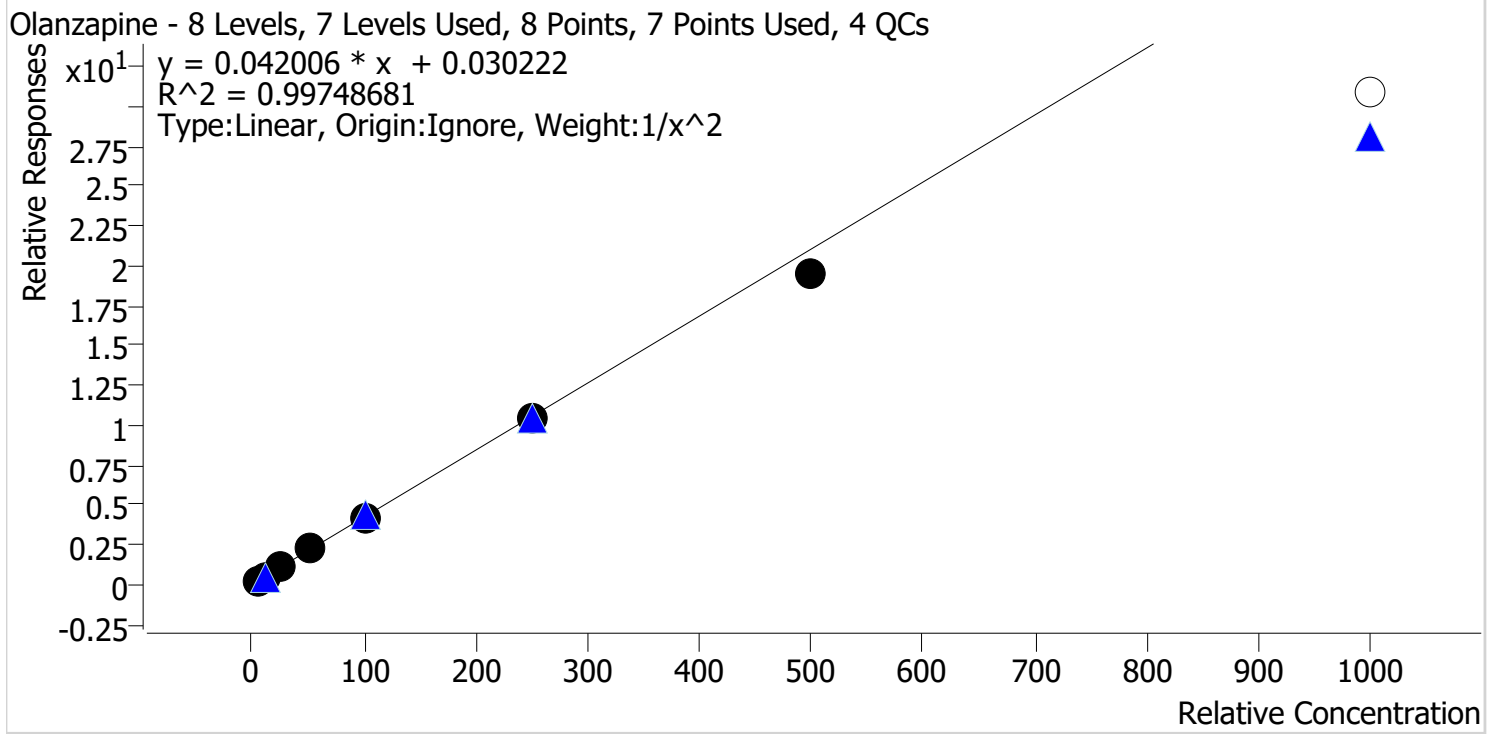
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	47.0	93.9
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1139.3	113.9

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	462.6	92.5
p1 Cal 8-1000ng	8	✗	1000.0	733.5	73.3

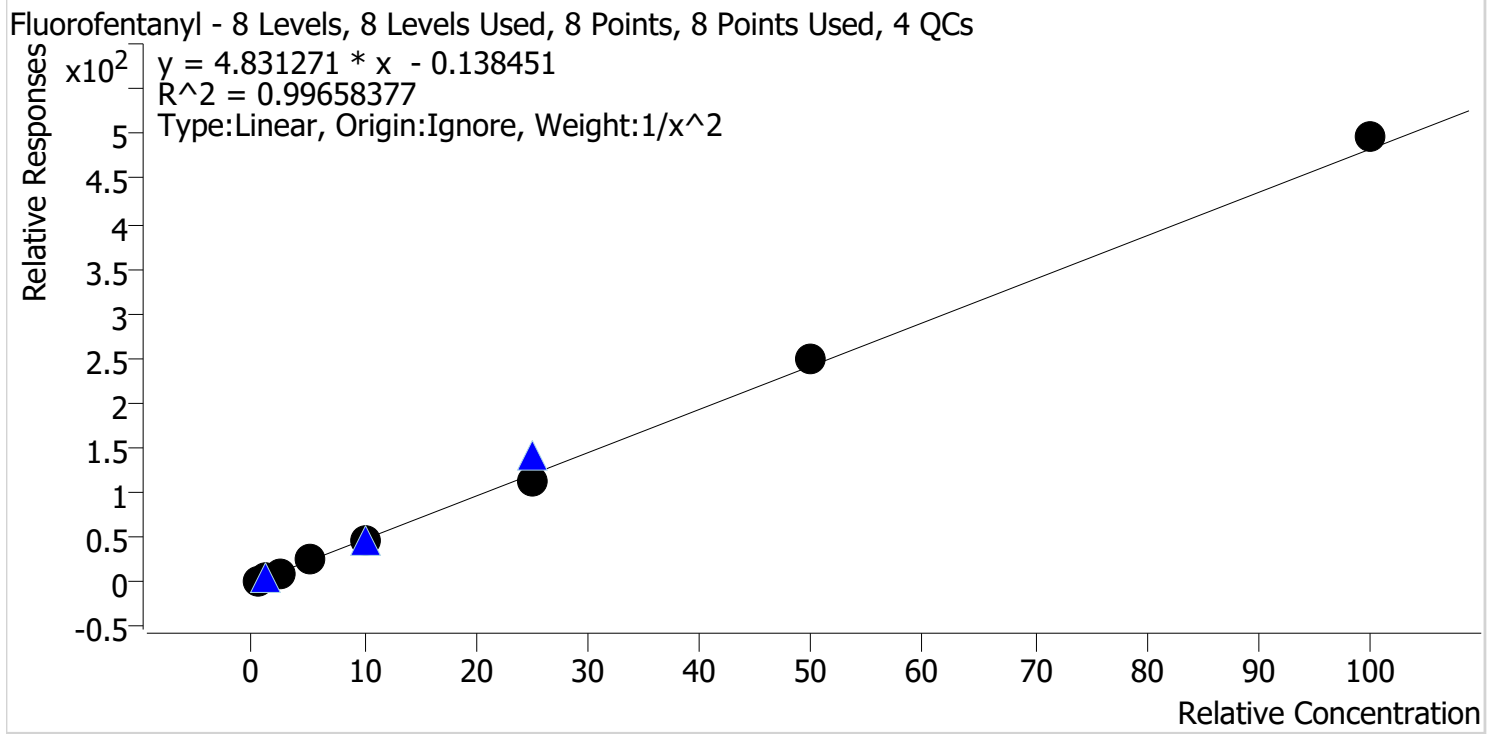


SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5



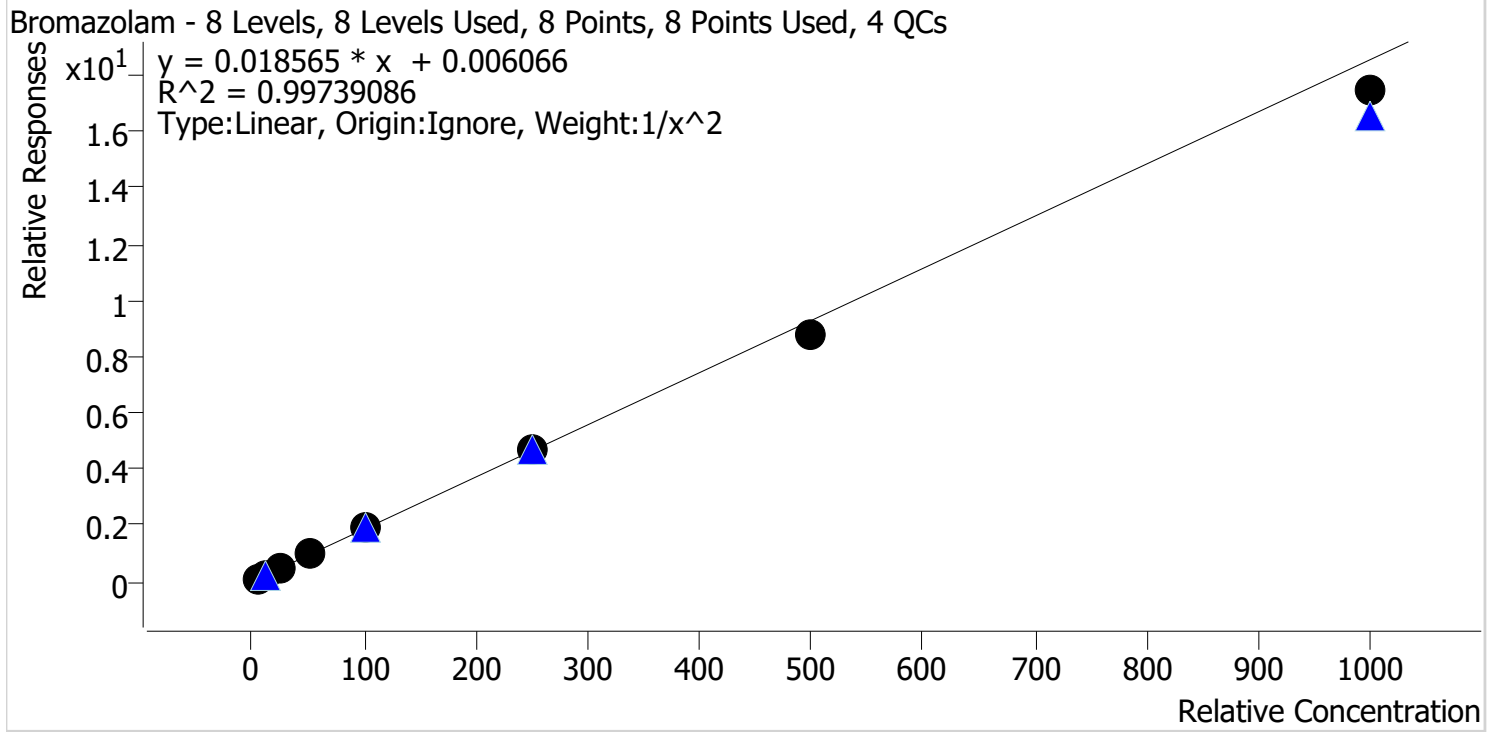
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.9
p1 Cal 2-10ng	2	✓	1.0	1.0	100.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.7
p1 Cal 4-50ng	4	✓	5.0	5.4	108.3
p1 Cal 5-100ng	5	✓	10.0	9.4	94.4
p1 Cal 6-250ng	6	✓	25.0	23.3	93.3
p1 Cal 7-500ng	7	✓	50.0	51.9	103.8
p1 Cal 8-1000ng	8	✓	100.0	103.0	103.0

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Bromazolam **Internal Standard** Bromazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	469.6	93.9
p1 Cal 8-1000ng	8	✓	1000.0	940.7	94.1

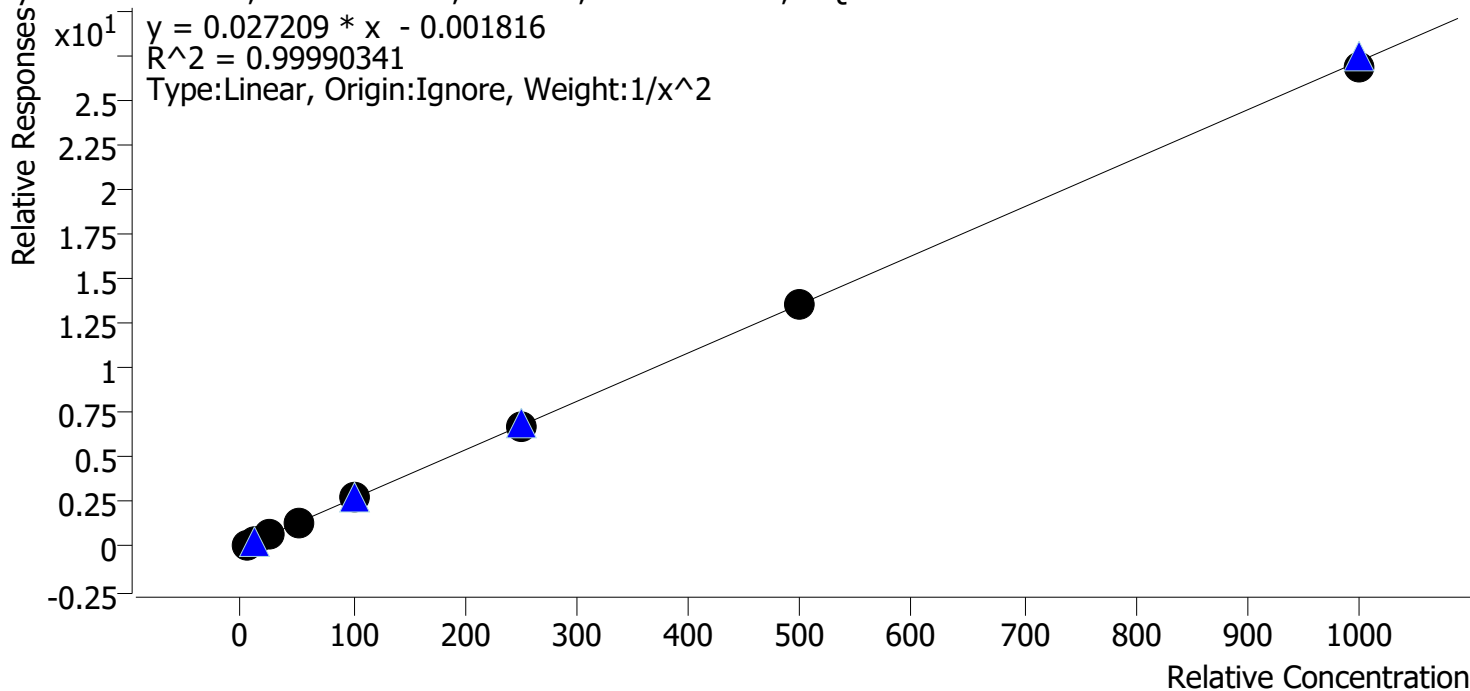
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Xylazine **Internal Standard** Xylanzine-D6

Xylazine - 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	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	991.5	99.2

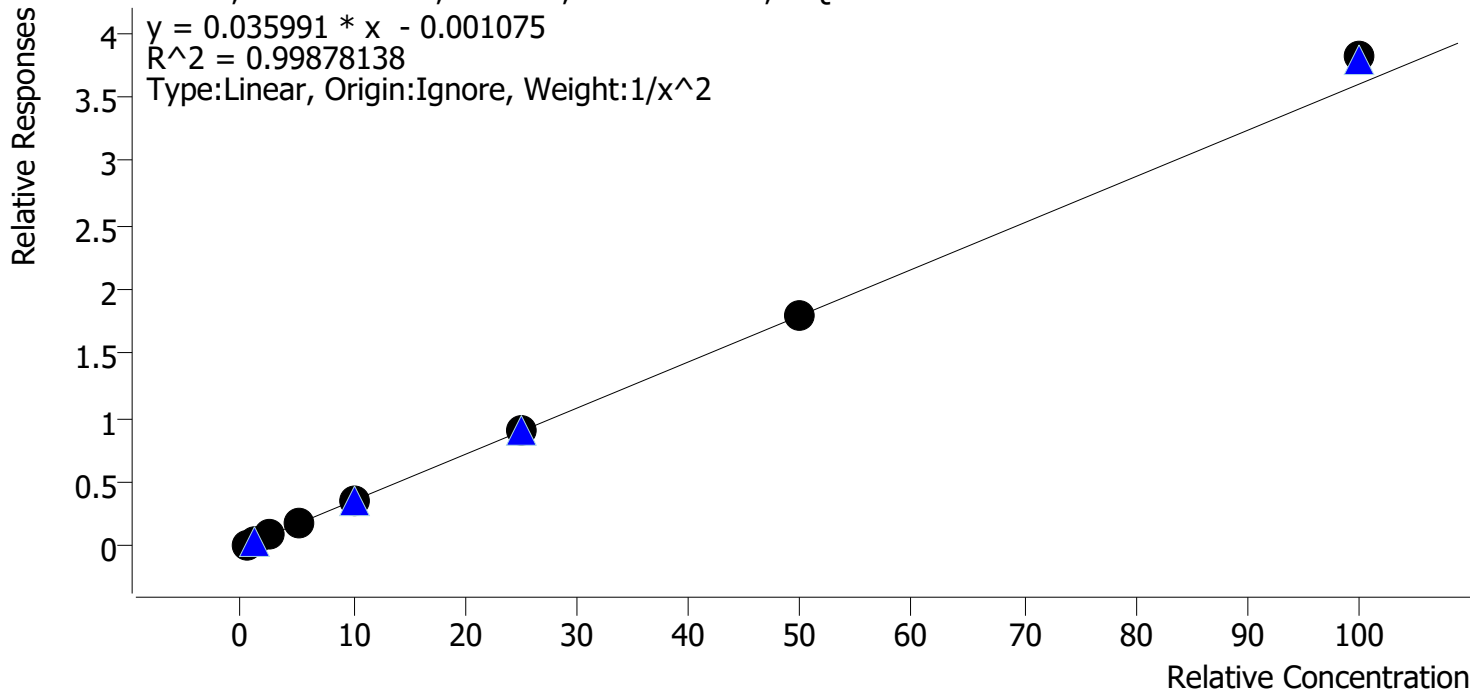
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 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	101.9
p1 Cal 2-10ng	2	✓	1.0	1.0	97.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.5
p1 Cal 4-50ng	4	✓	5.0	4.9	98.1
p1 Cal 5-100ng	5	✓	10.0	9.6	96.5
p1 Cal 6-250ng	6	✓	25.0	25.0	100.1
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	105.9	105.9

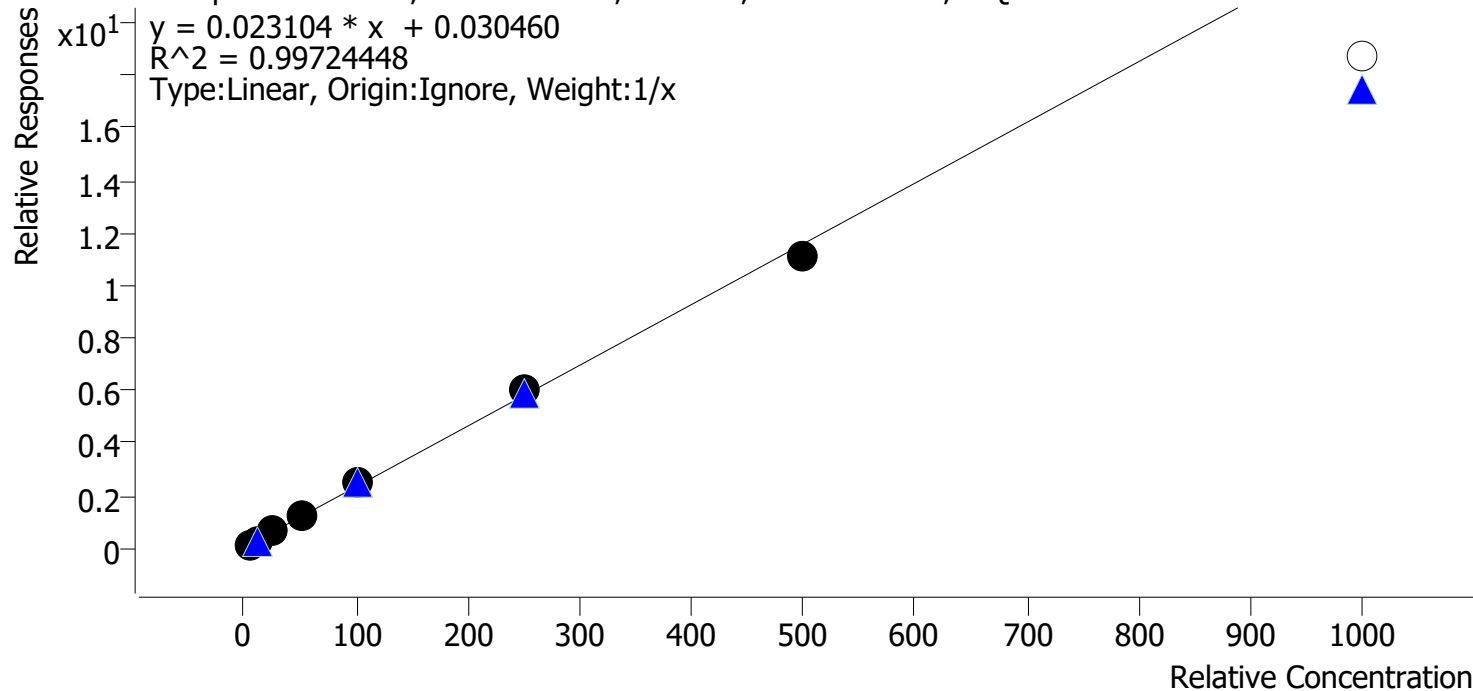
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**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	4.4	87.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	260.5	104.2
p1 Cal 7-500ng	7	✓	500.0	479.1	95.8
p1 Cal 8-1000ng	8	✗	1000.0	808.4	80.8

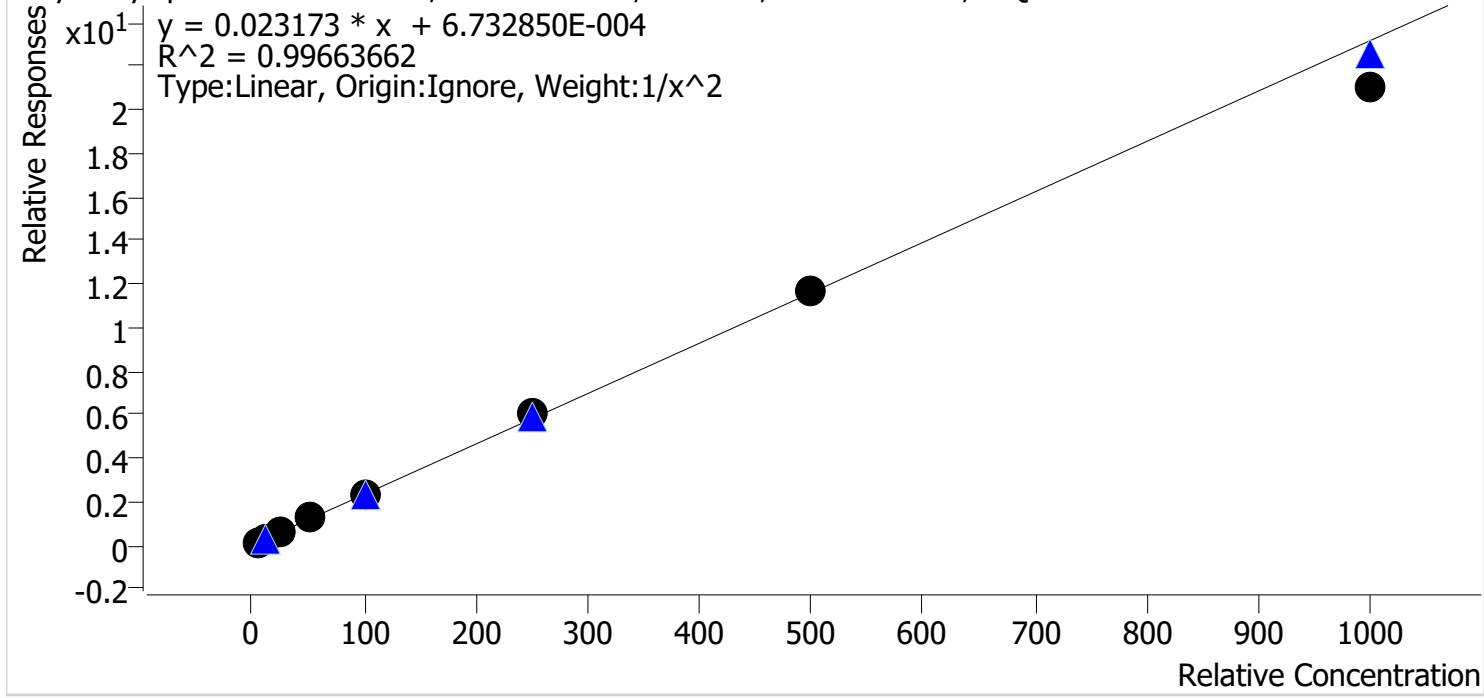
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



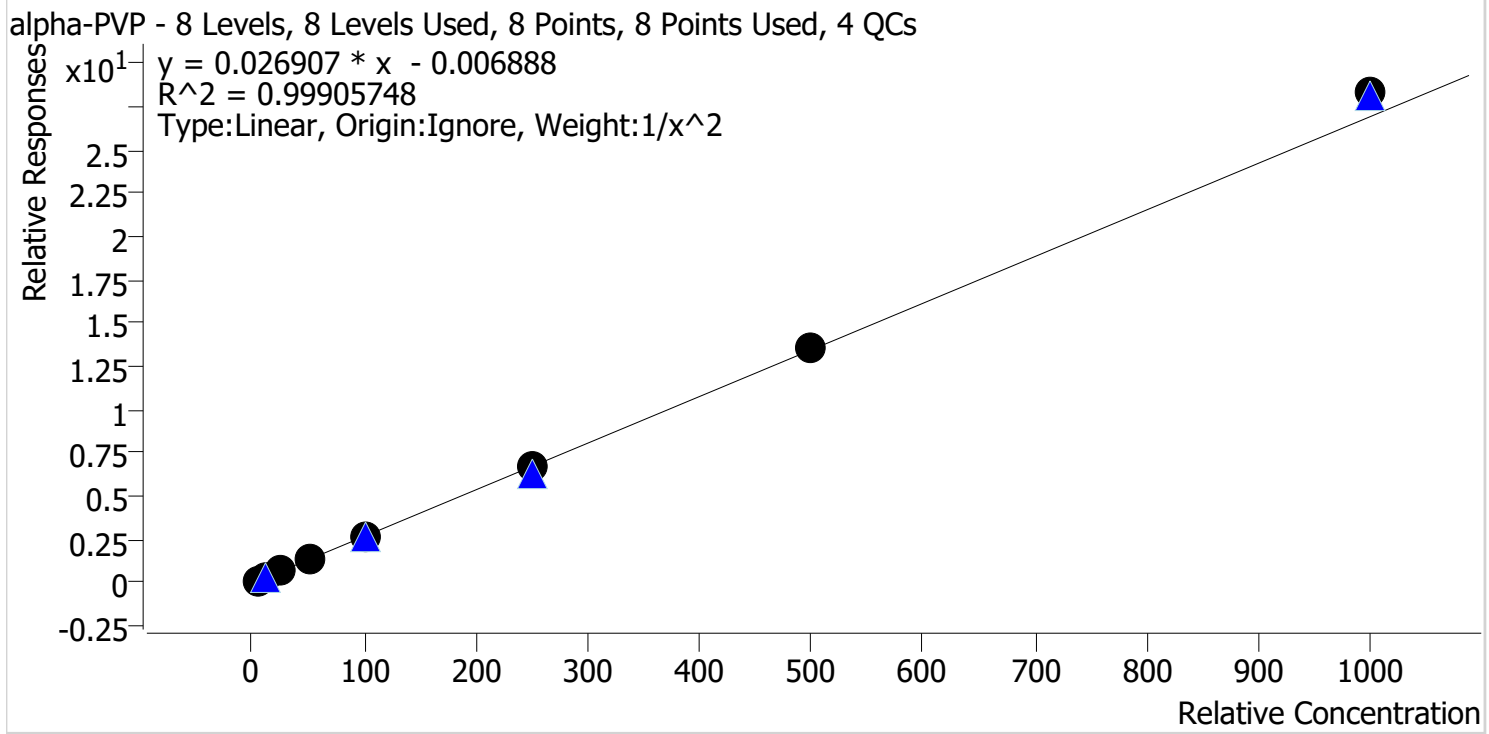
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	258.2	103.3
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	911.2	91.1

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1051.6	105.2

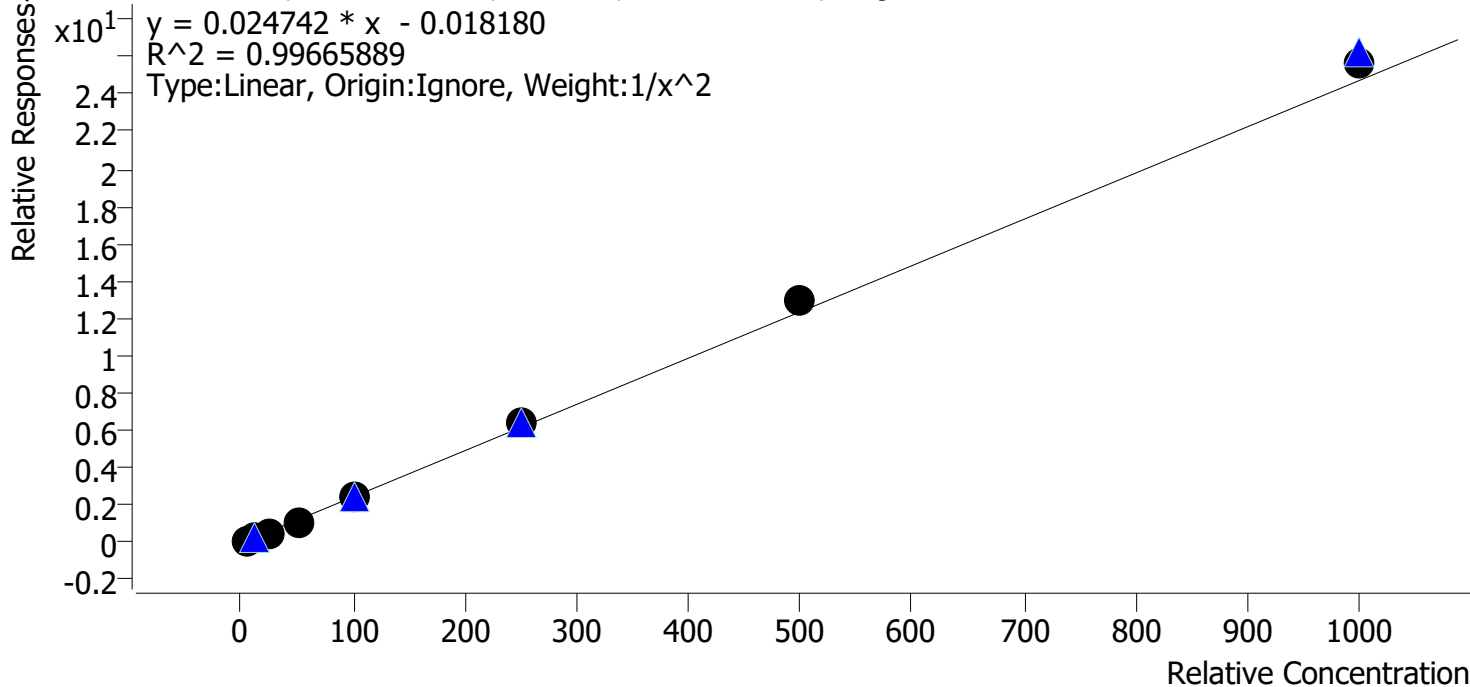
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 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	104.6
p1 Cal 2-10ng	2	✓	10.0	9.4	93.7
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	47.2	94.4
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	262.1	104.9
p1 Cal 7-500ng	7	✓	500.0	522.5	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1041.0	104.1

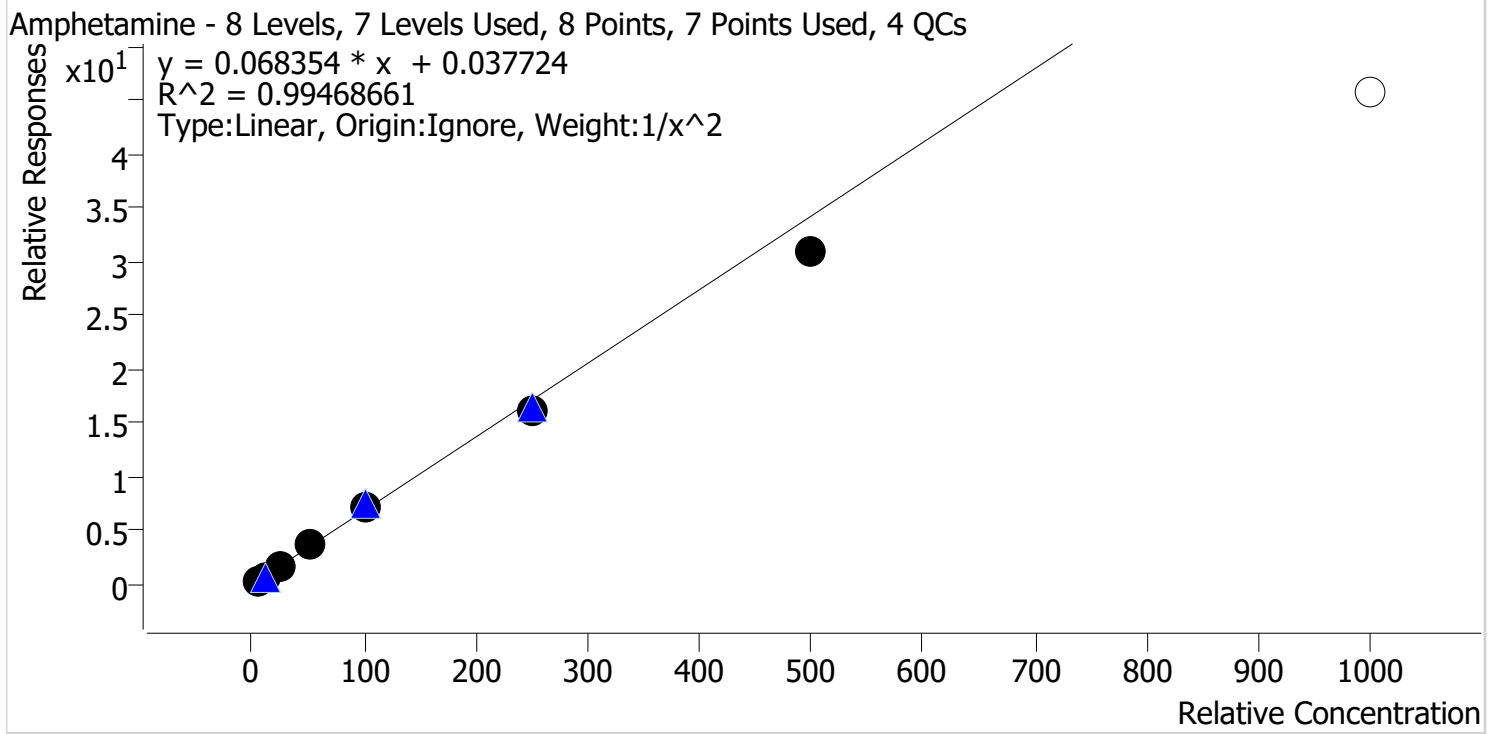


SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



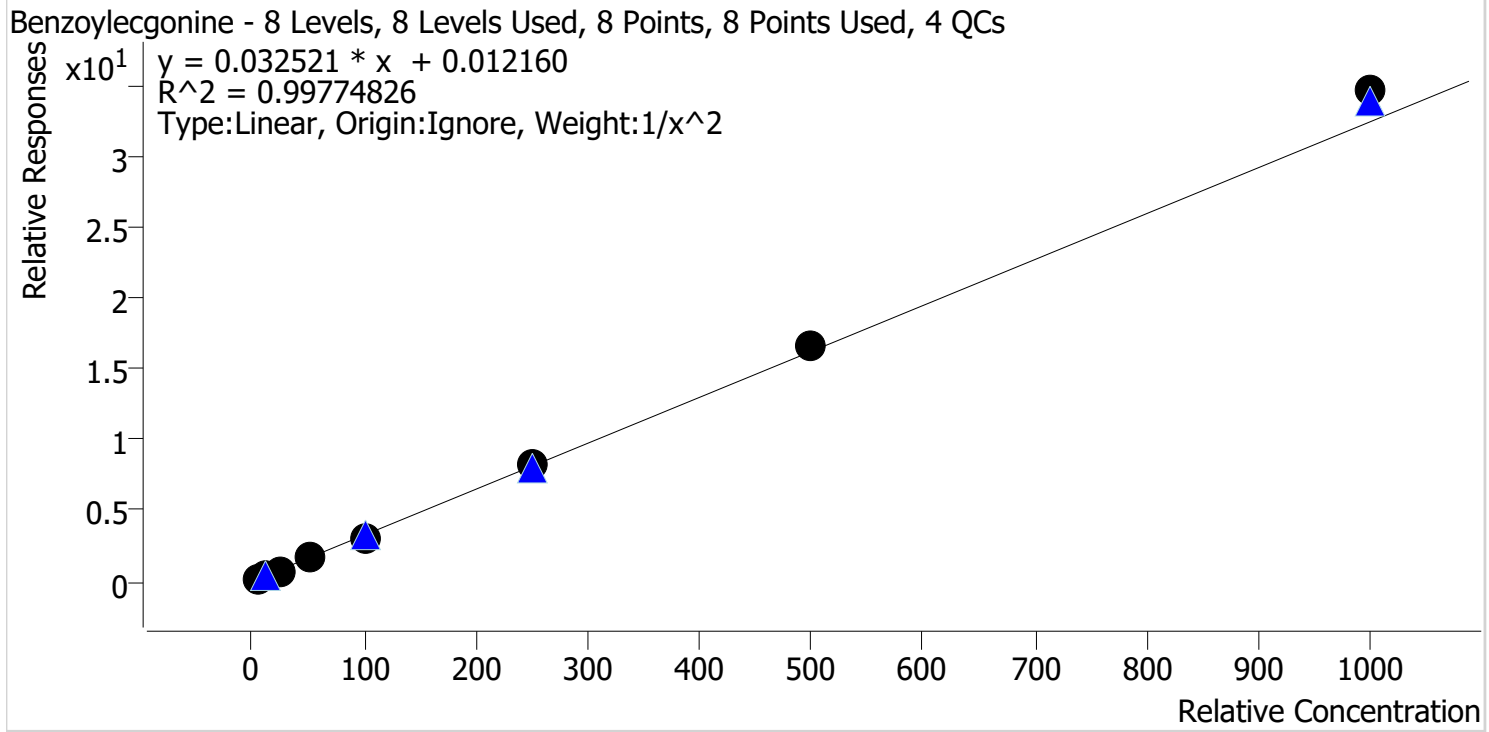
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	237.8	95.1
p1 Cal 7-500ng	7	✓	500.0	449.7	89.9
p1 Cal 8-1000ng	8	✗	1000.0	667.5	66.7

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



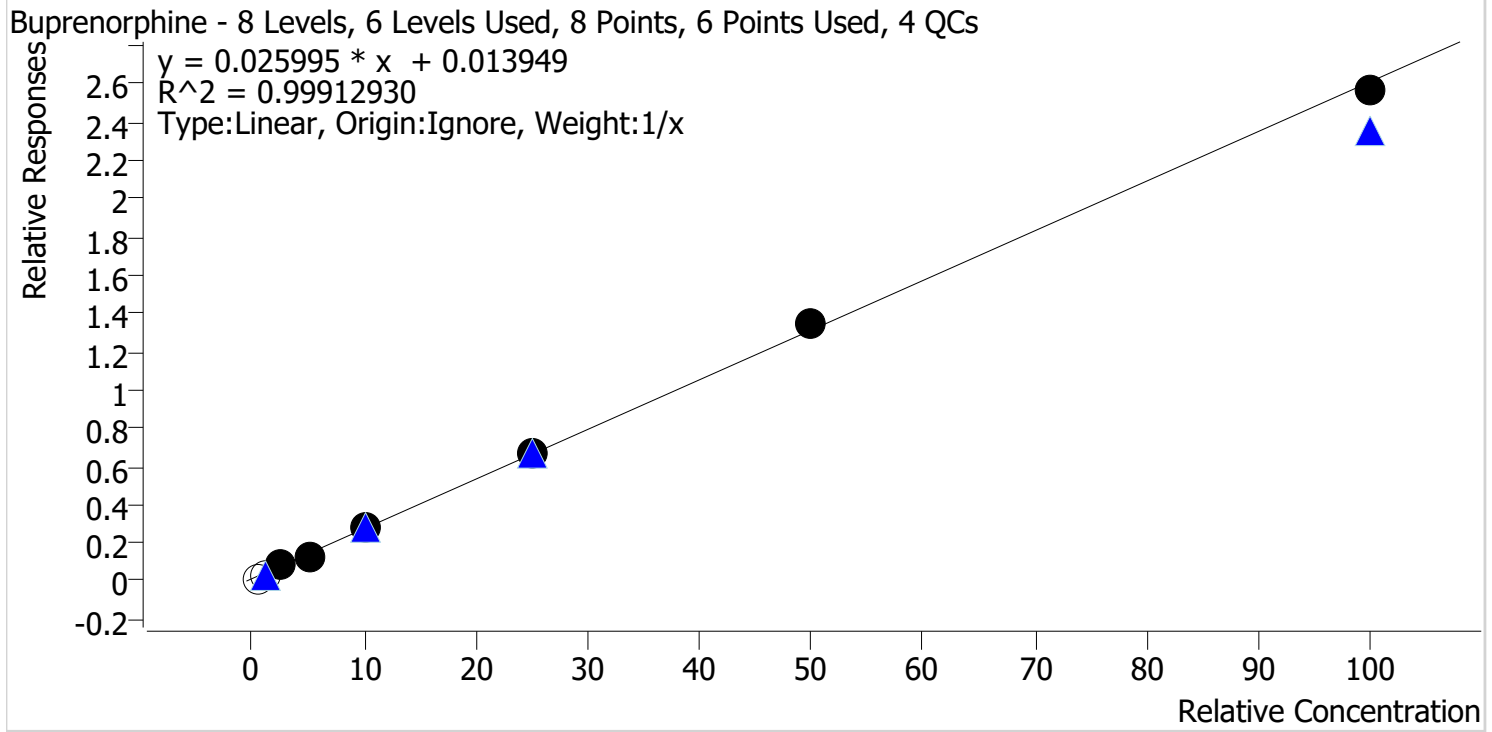
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	512.1	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1067.9	106.8

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



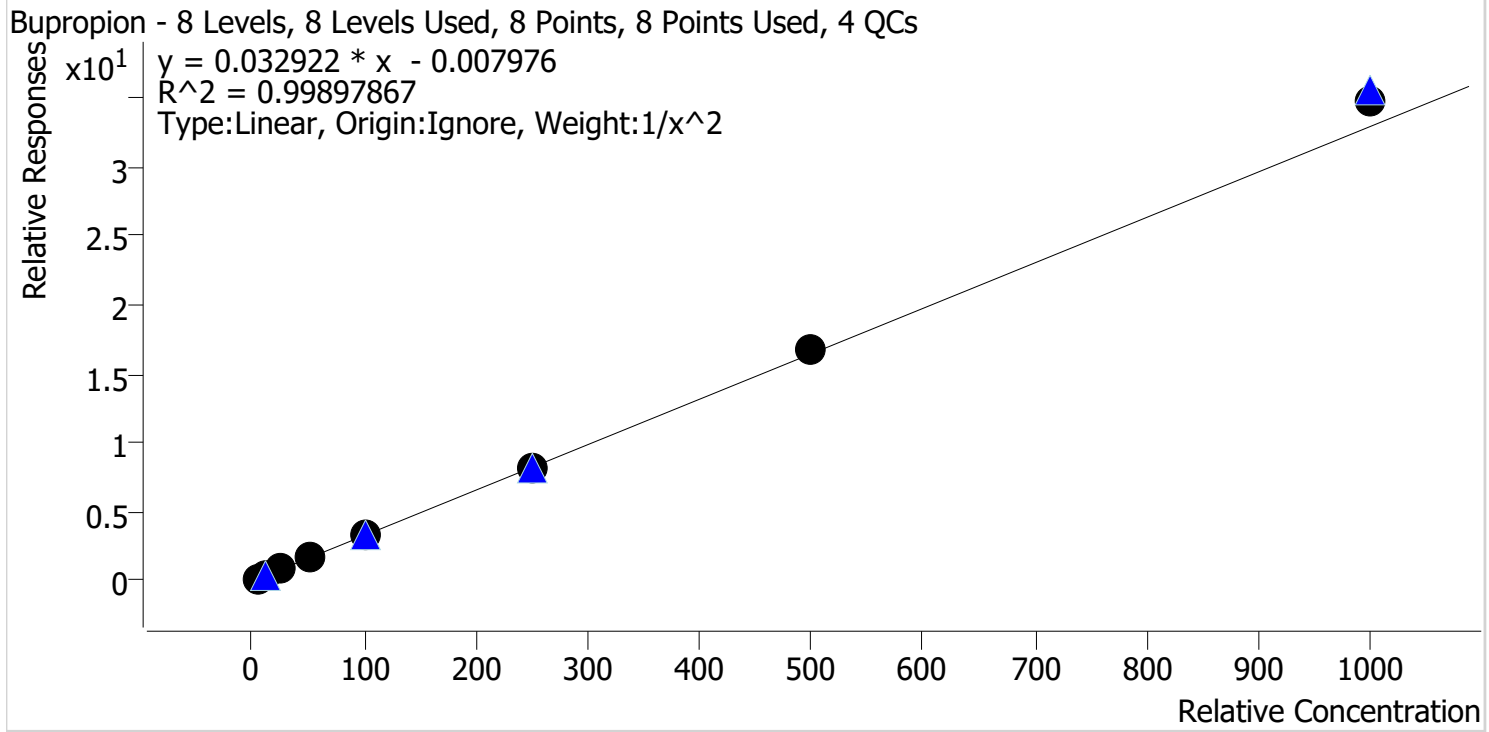
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.0	0.0
p1 Cal 2-10ng	2	x	1.0	0.4	44.4
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.6
p1 Cal 4-50ng	4	✓	5.0	4.6	91.4
p1 Cal 5-100ng	5	✓	10.0	10.2	102.2
p1 Cal 6-250ng	6	✓	25.0	25.4	101.6
p1 Cal 7-500ng	7	✓	50.0	51.5	103.0
p1 Cal 8-1000ng	8	✓	100.0	98.2	98.2

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**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	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1052.4	105.2

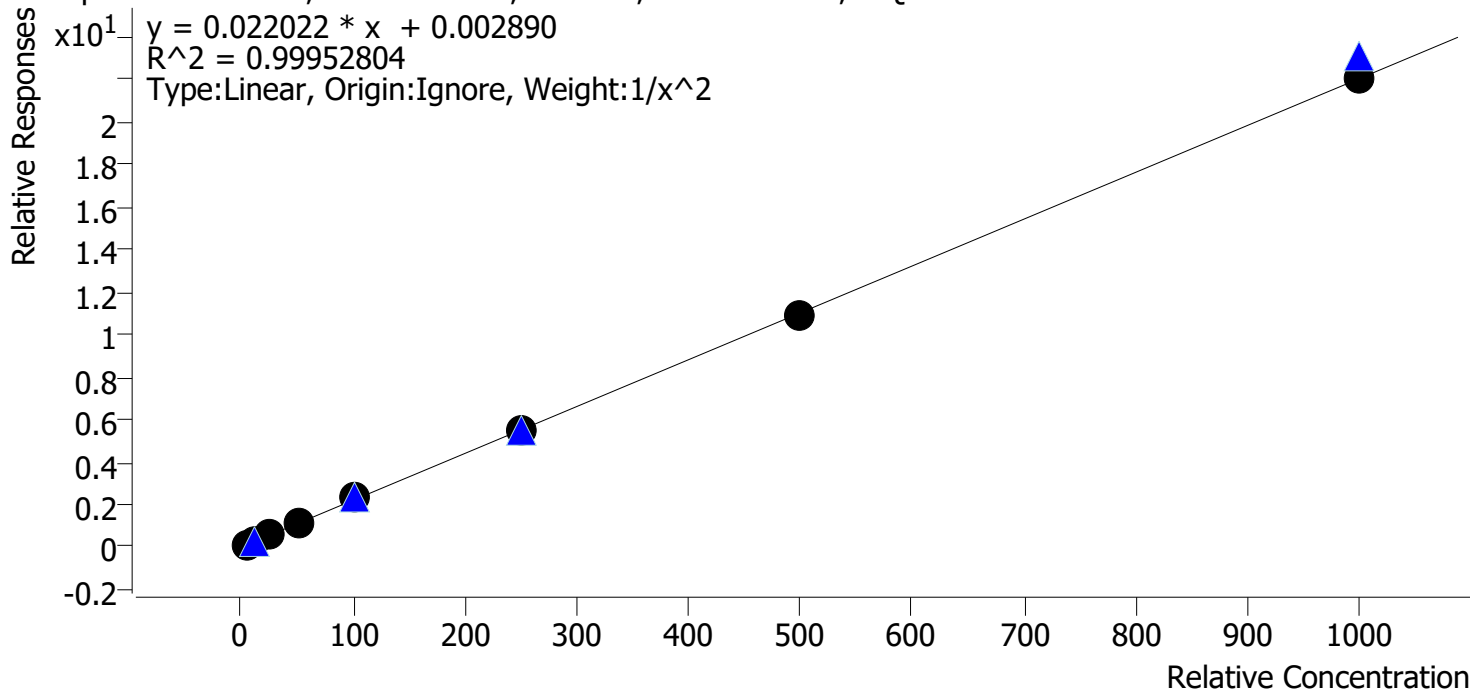
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 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	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1002.4	100.2

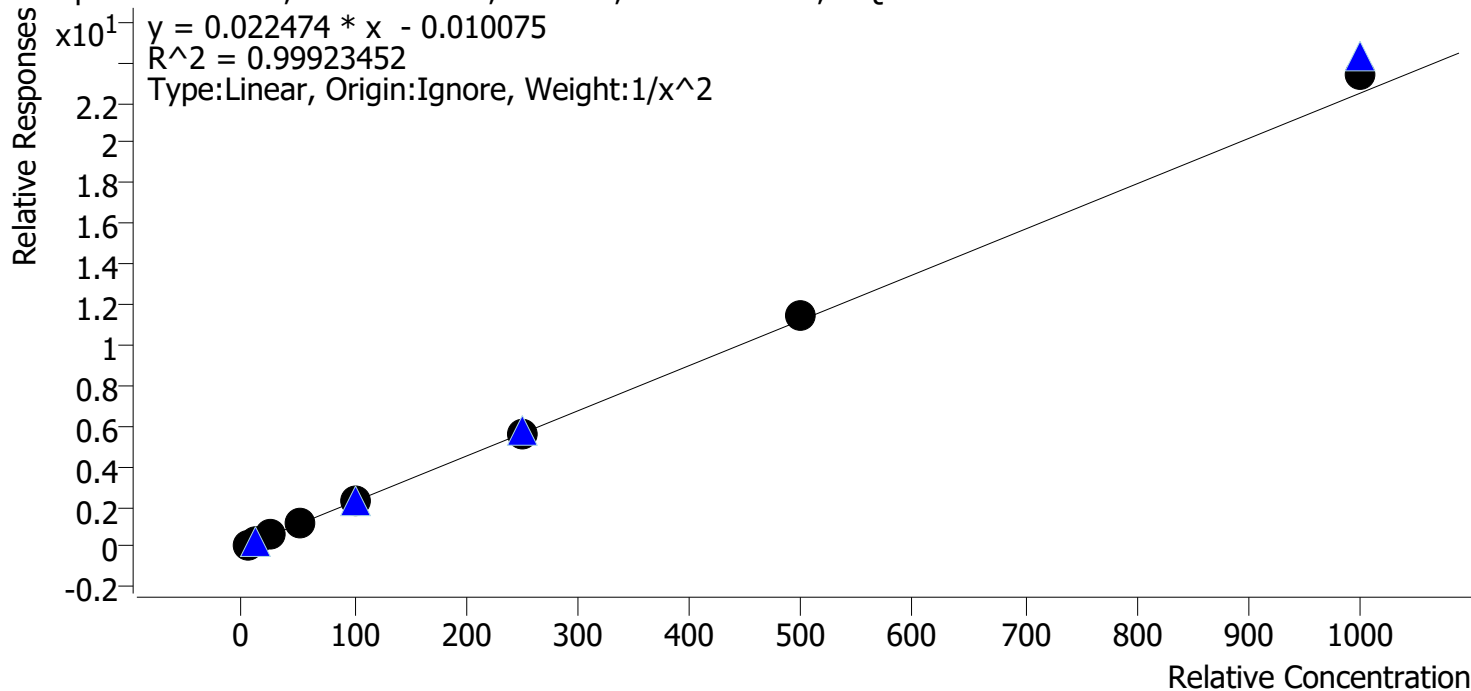
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



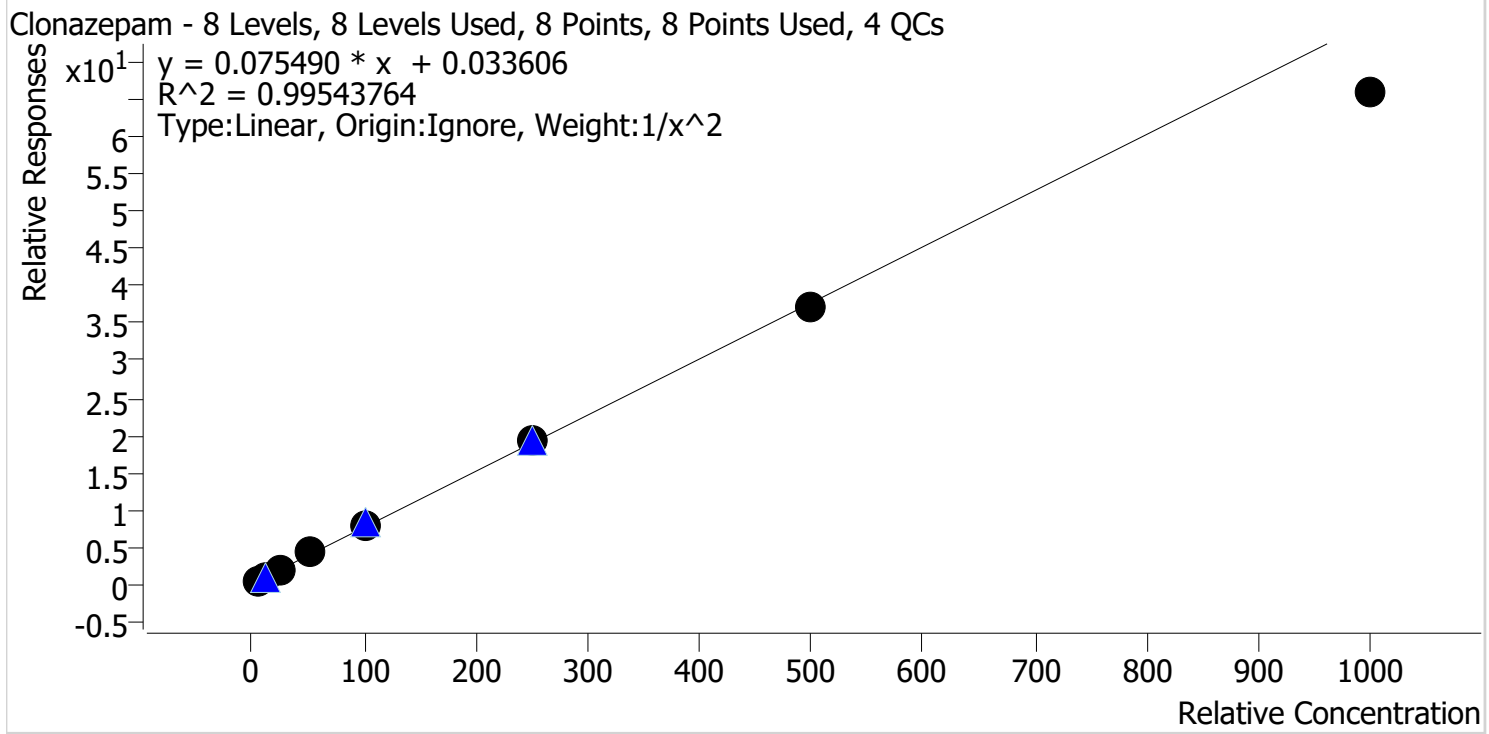
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	509.6	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1041.3	104.1

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**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	98.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	874.6	87.5

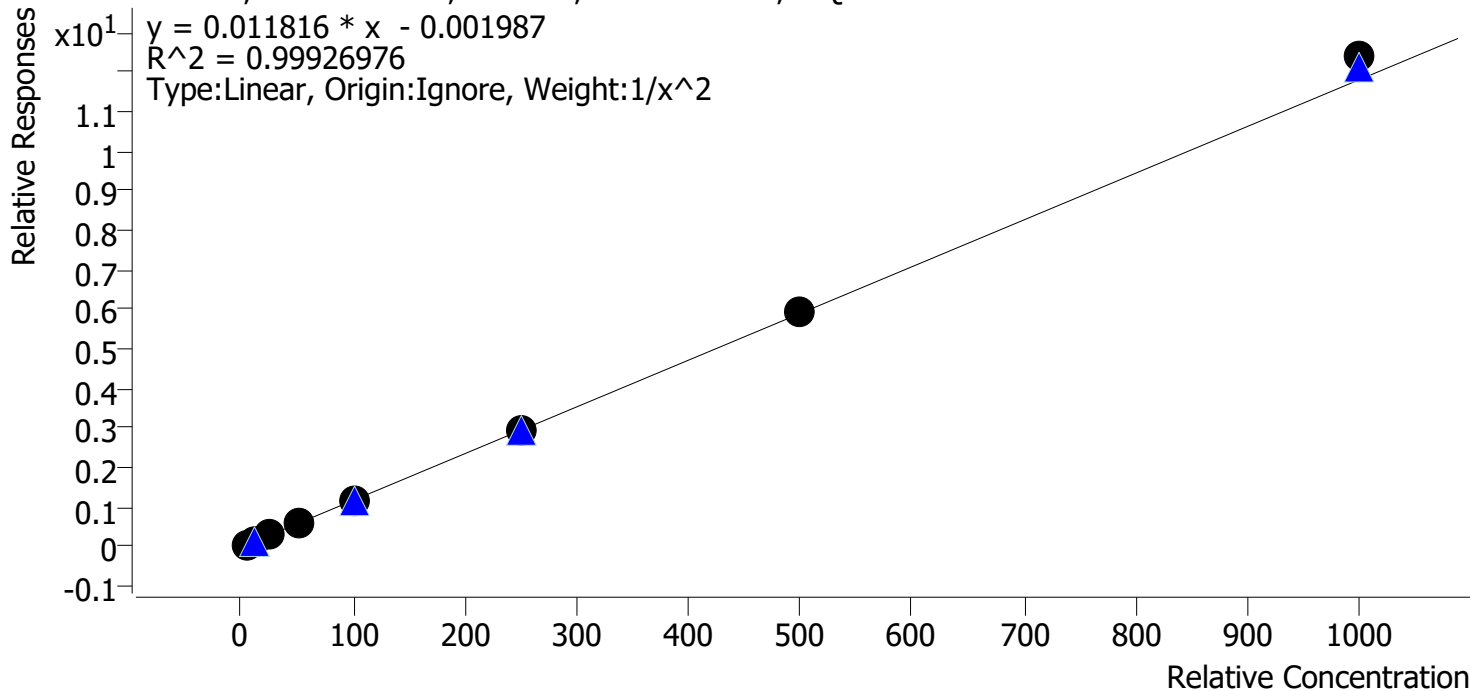
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-D3

Cocaine - 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	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1049.6	105.0



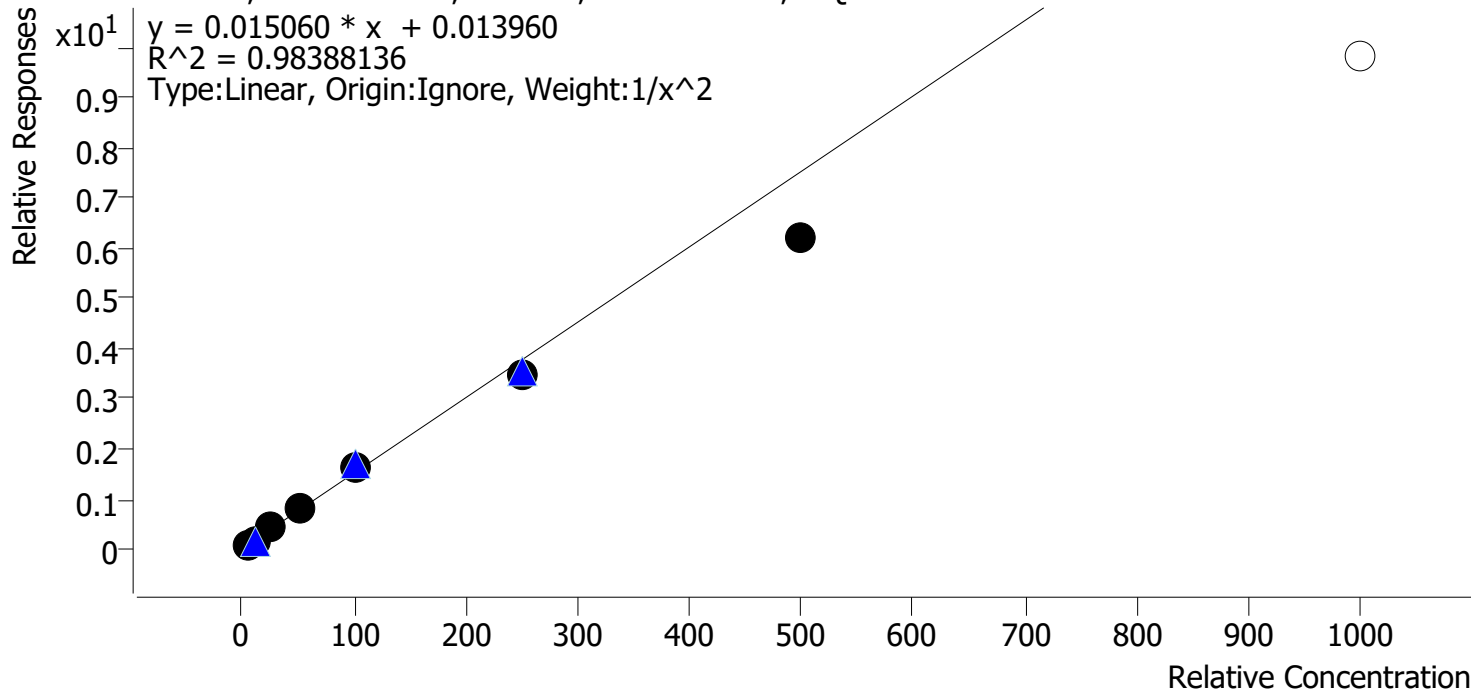
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

Codeine - 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	96.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.2
p1 Cal 4-50ng	4	✓	50.0	55.5	111.1
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	227.9	91.2
p1 Cal 7-500ng	7	✓	500.0	411.3	82.3
p1 Cal 8-1000ng	8	✗	1000.0	652.2	65.2

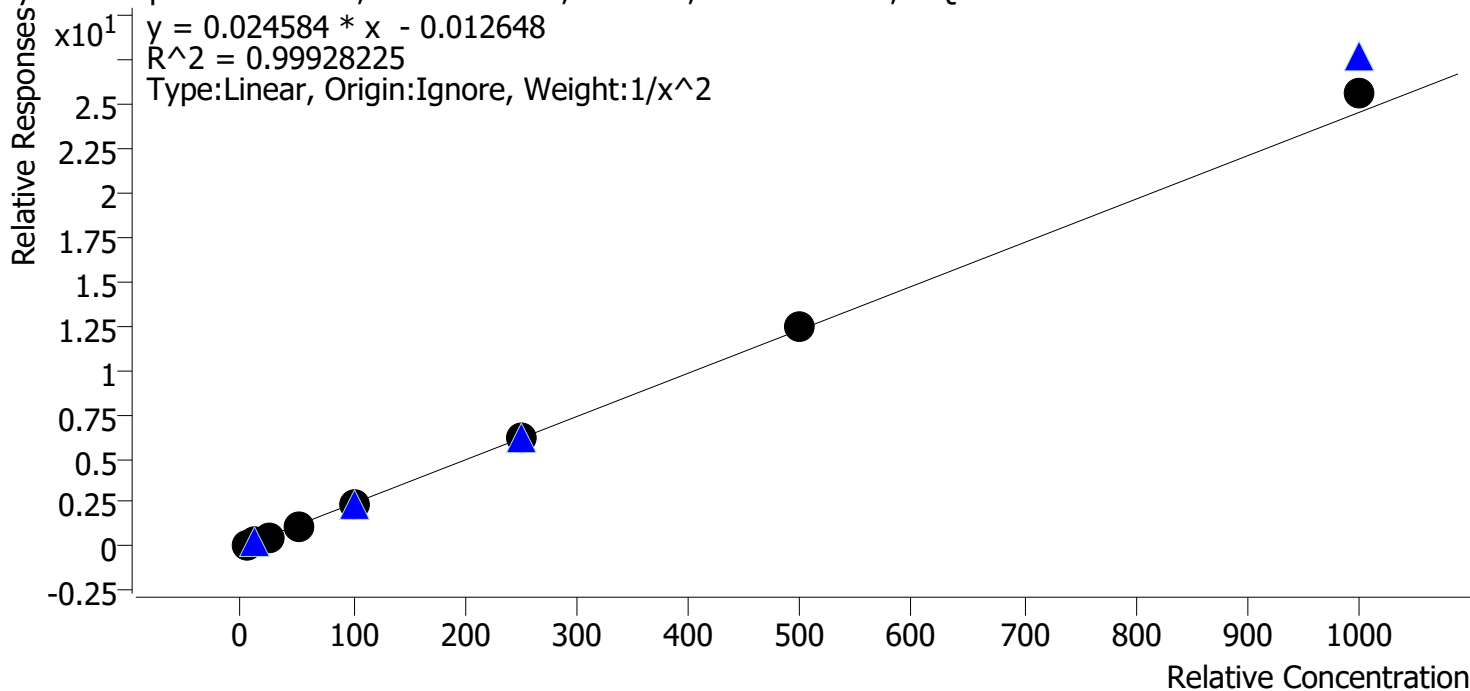
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 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	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1041.6	104.2

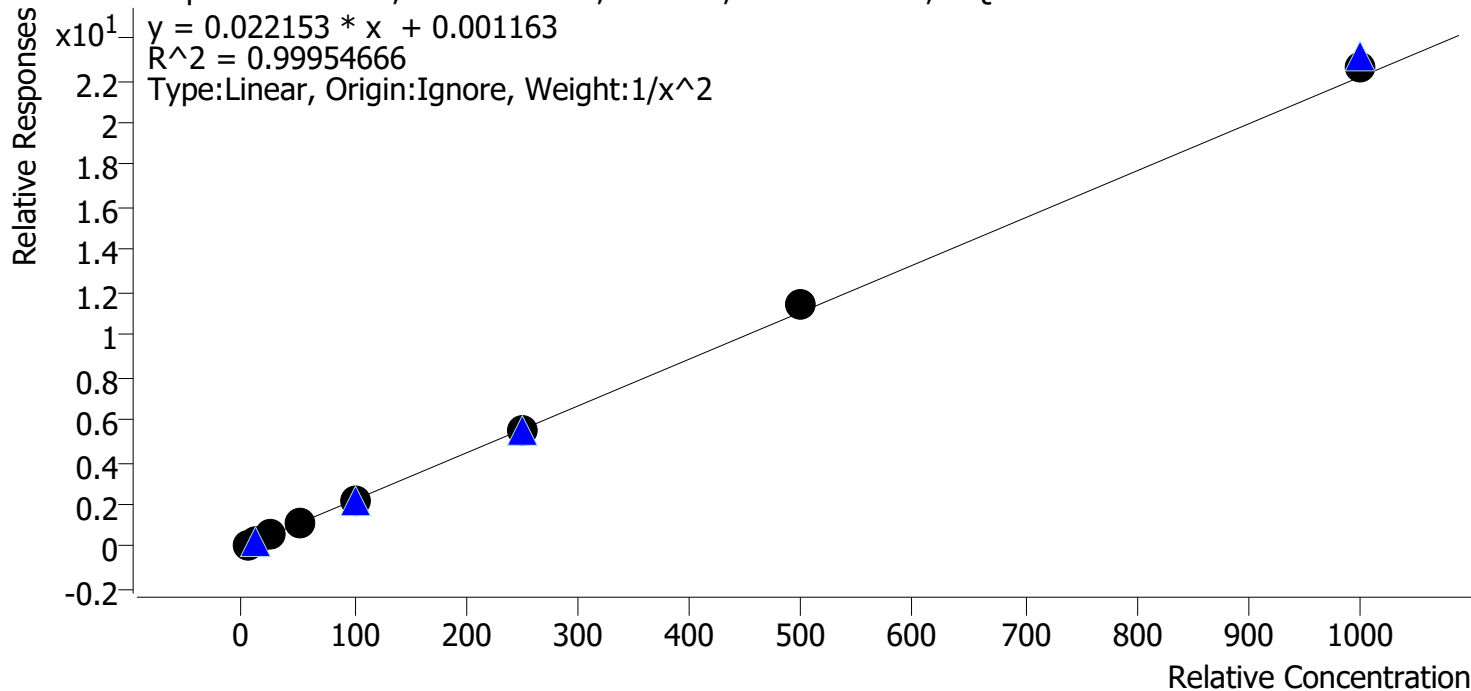
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



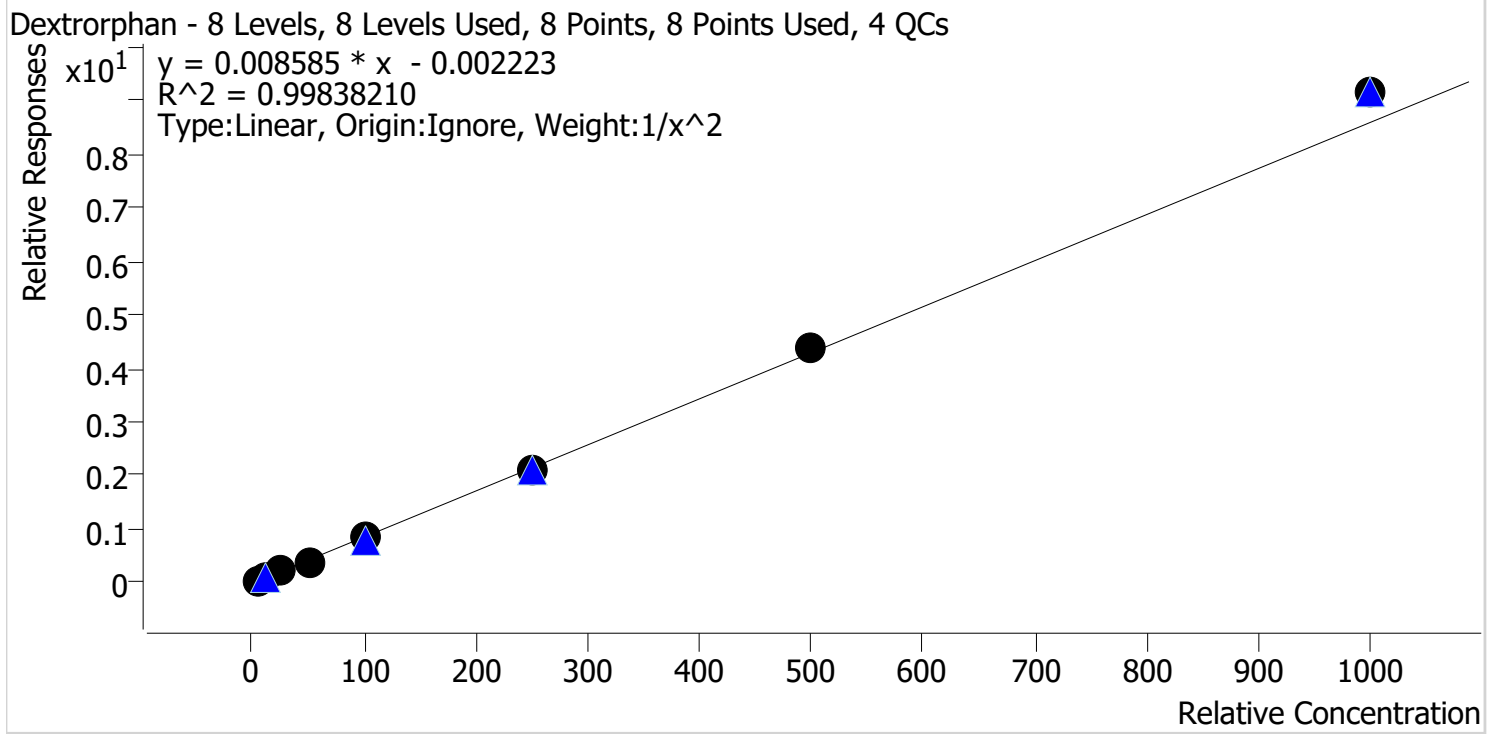
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	515.7	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1021.4	102.1

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



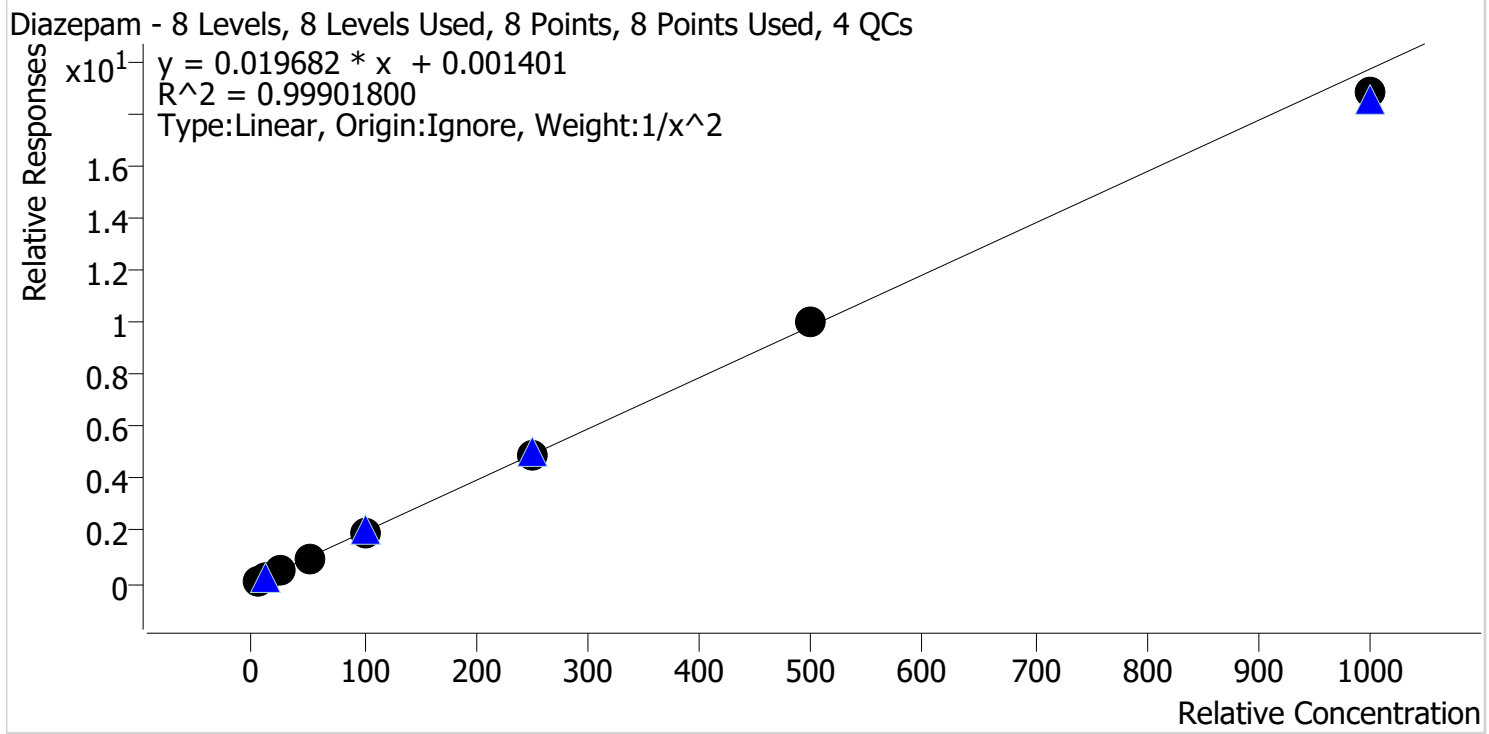
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	47.8	95.5
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1062.2	106.2

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



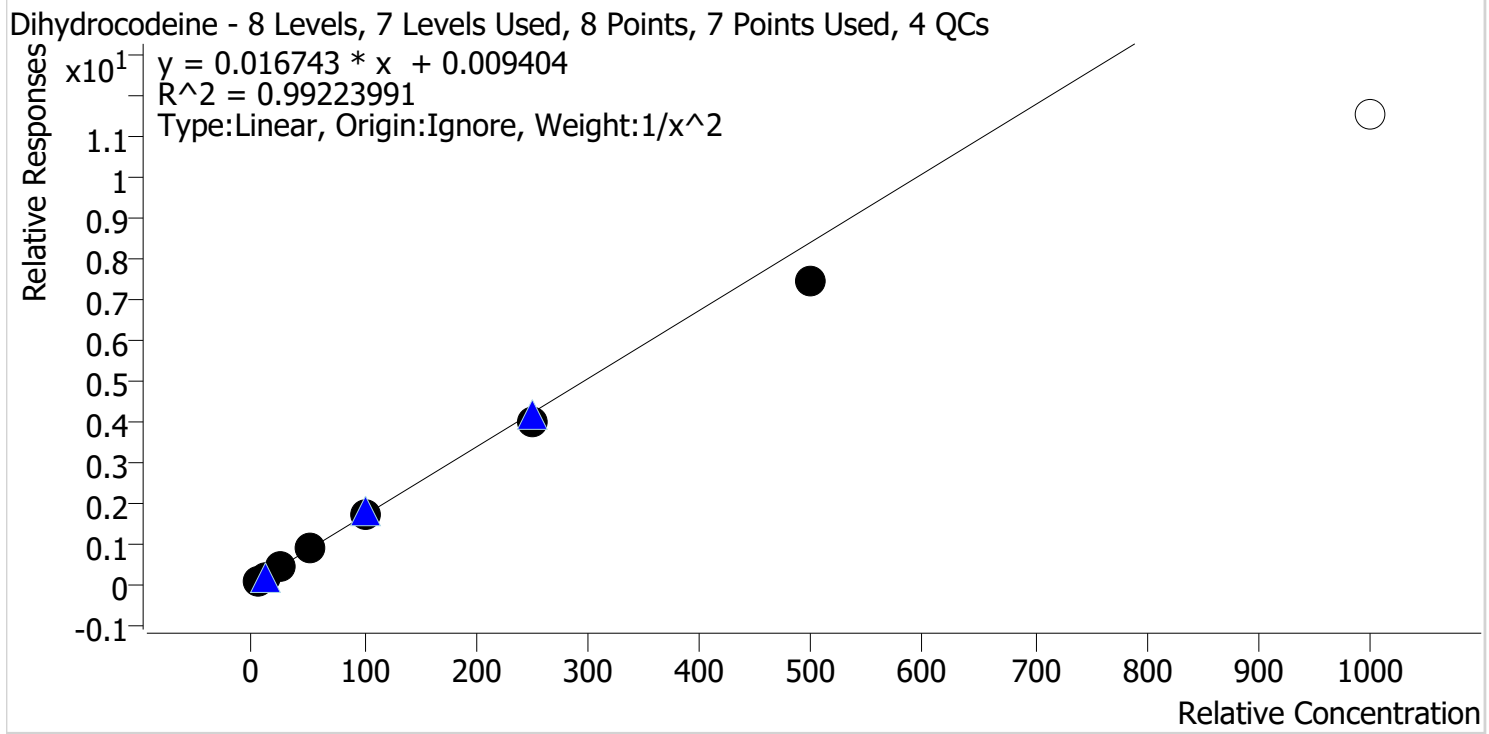
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	954.0	95.4

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.3
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	235.1	94.1
p1 Cal 7-500ng	7	✓	500.0	440.6	88.1
p1 Cal 8-1000ng	8	✗	1000.0	689.1	68.9

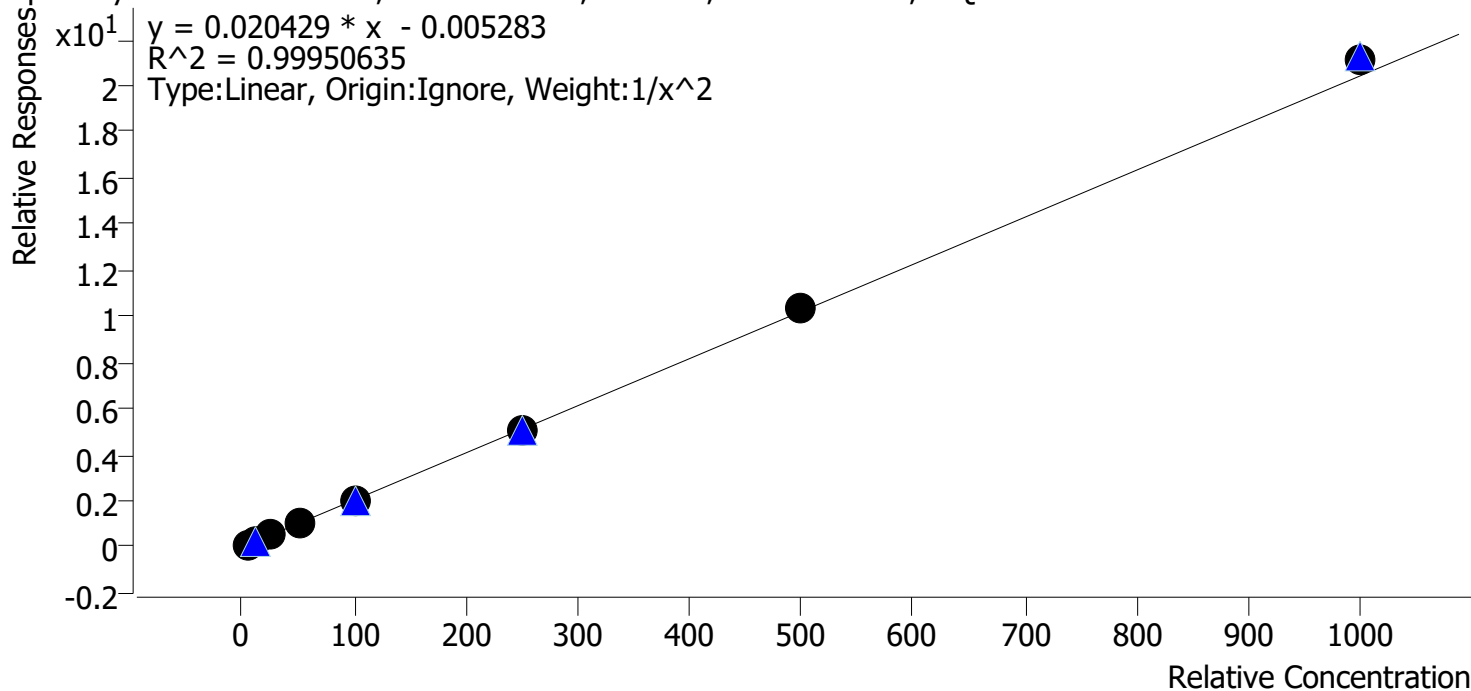
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 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	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	249.9	99.9
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1030.7	103.1

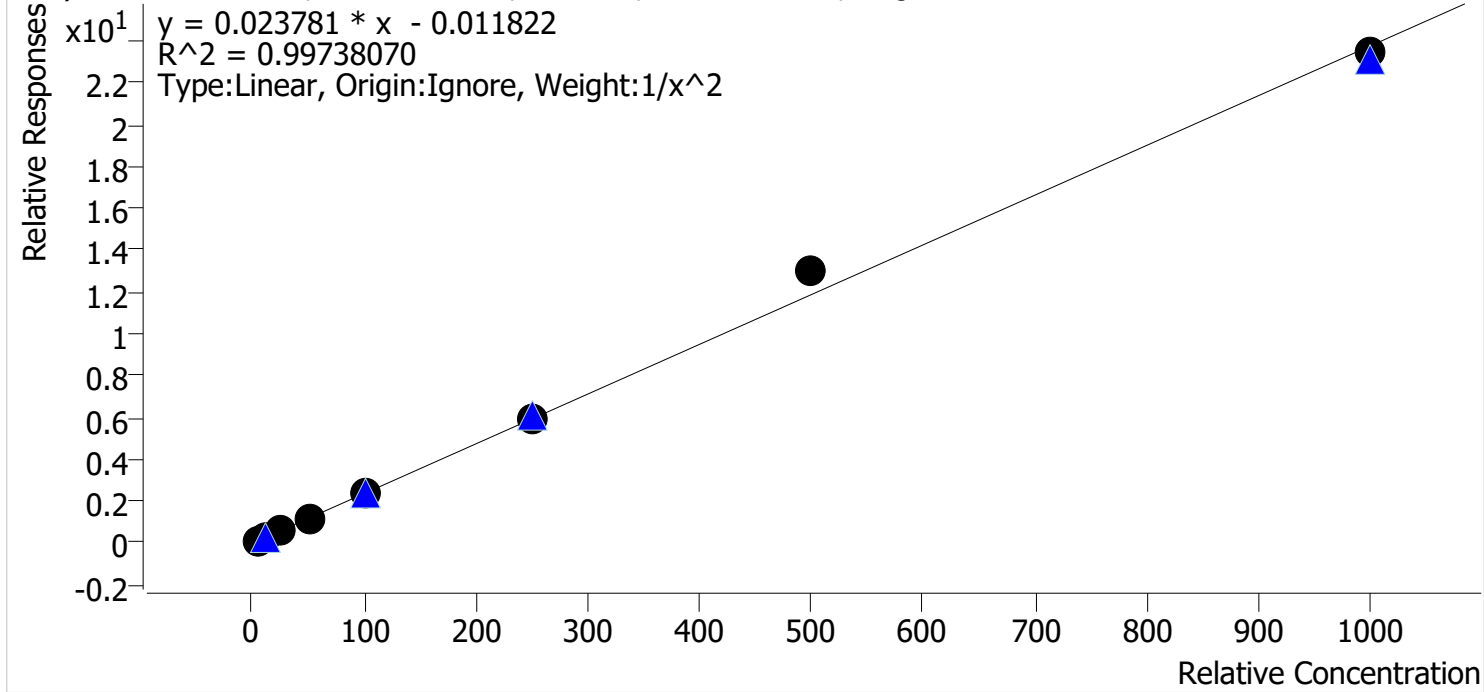
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

Doxylamine - 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	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.4
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	545.3	109.1
p1 Cal 8-1000ng	8	✓	1000.0	986.7	98.7



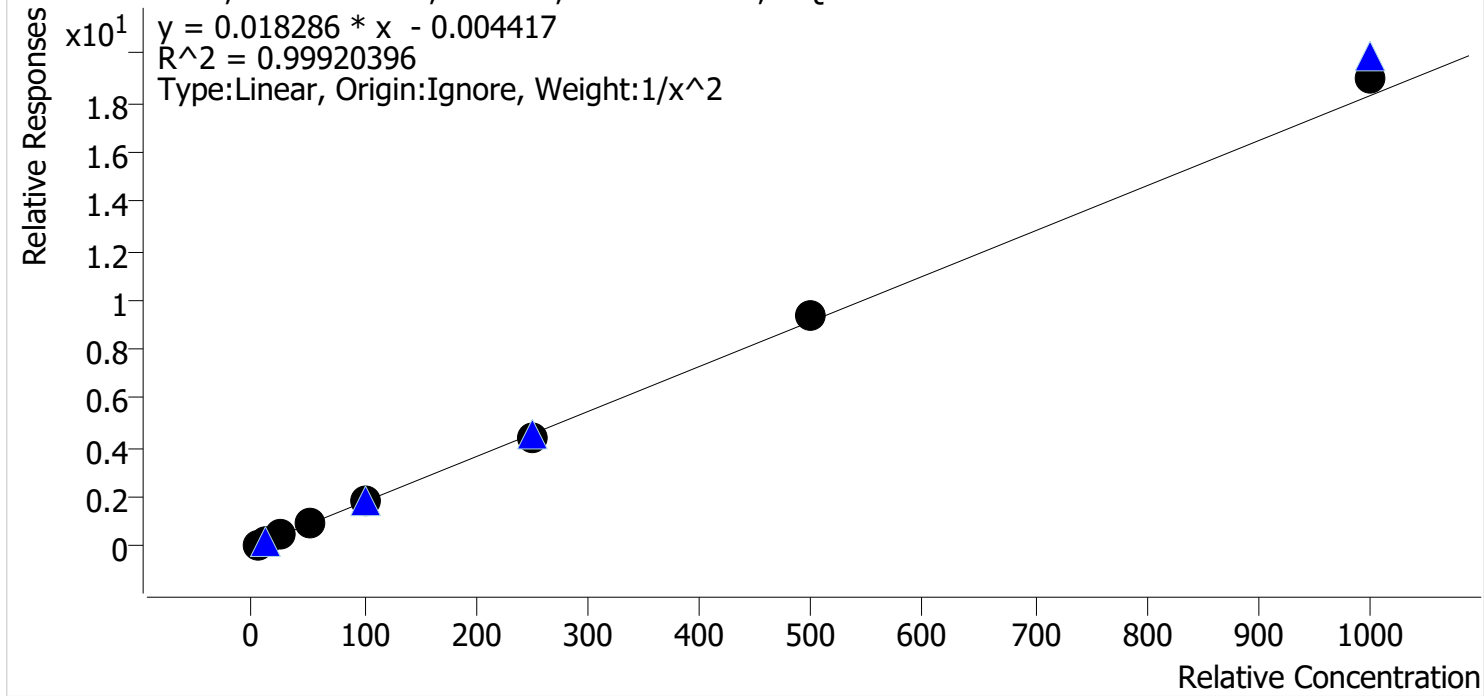
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

EDDP - 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	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	241.3	96.5
p1 Cal 7-500ng	7	✓	500.0	510.9	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1042.1	104.2

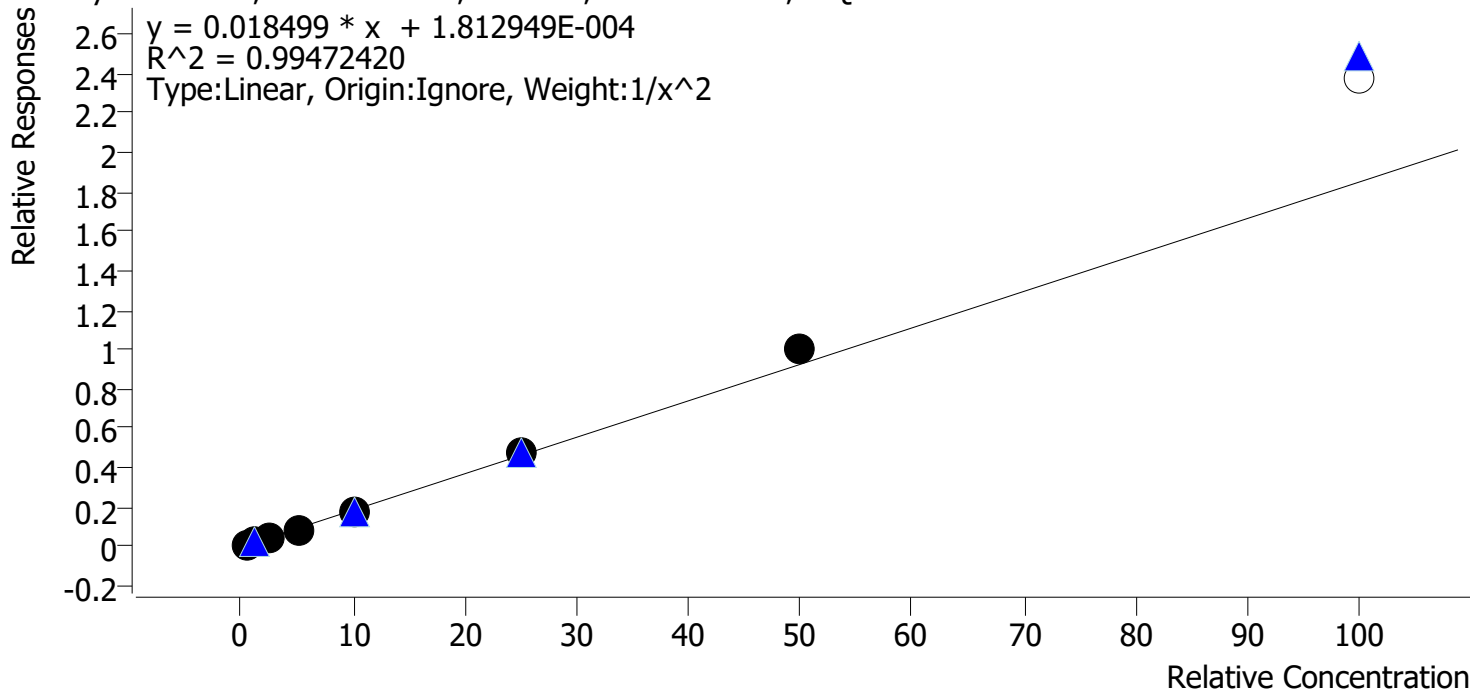
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



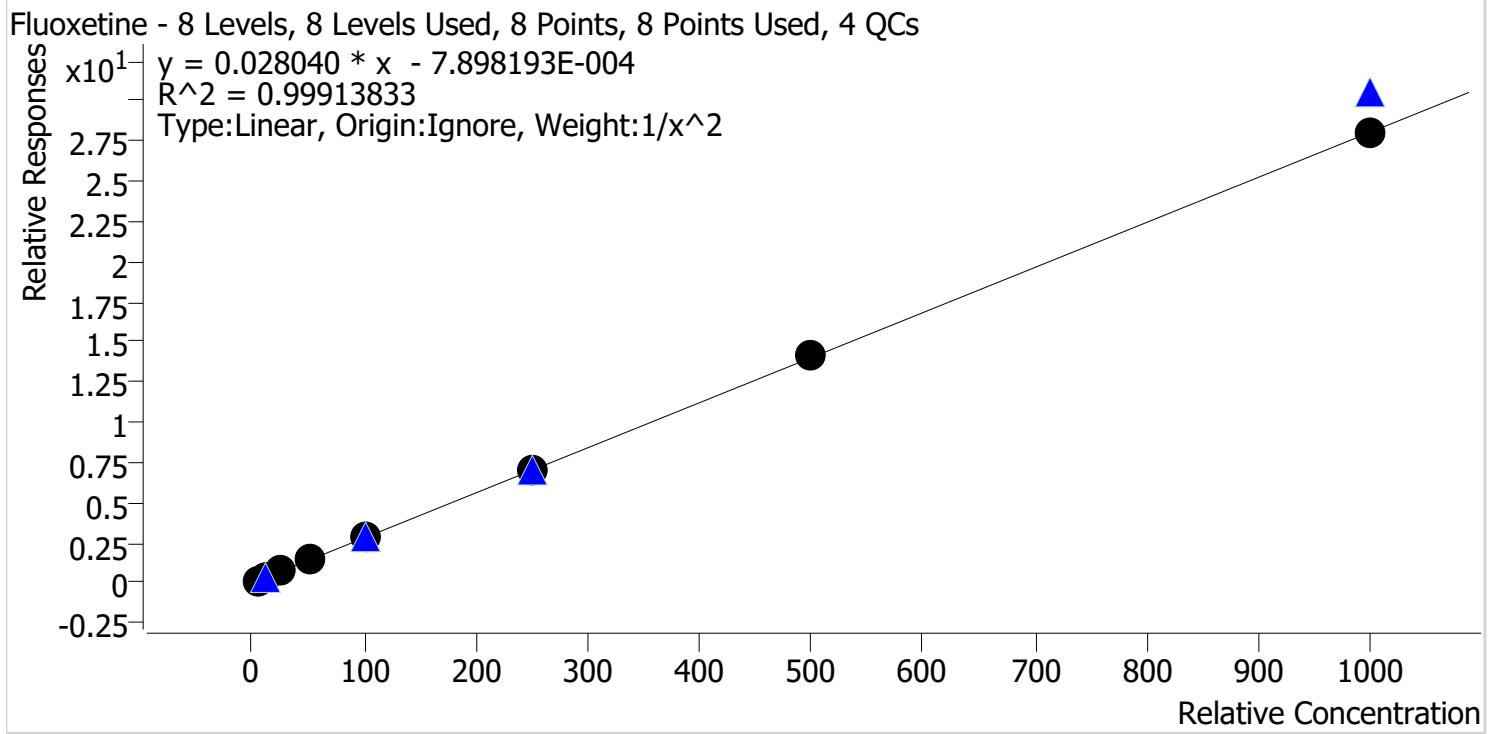
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.6
p1 Cal 2-10ng	2	✓	1.0	0.9	94.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.6
p1 Cal 4-50ng	4	✓	5.0	4.8	95.3
p1 Cal 5-100ng	5	✓	10.0	9.9	98.6
p1 Cal 6-250ng	6	✓	25.0	26.2	105.0
p1 Cal 7-500ng	7	✓	50.0	54.5	109.0
p1 Cal 8-1000ng	8	x	100.0	128.7	128.7

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



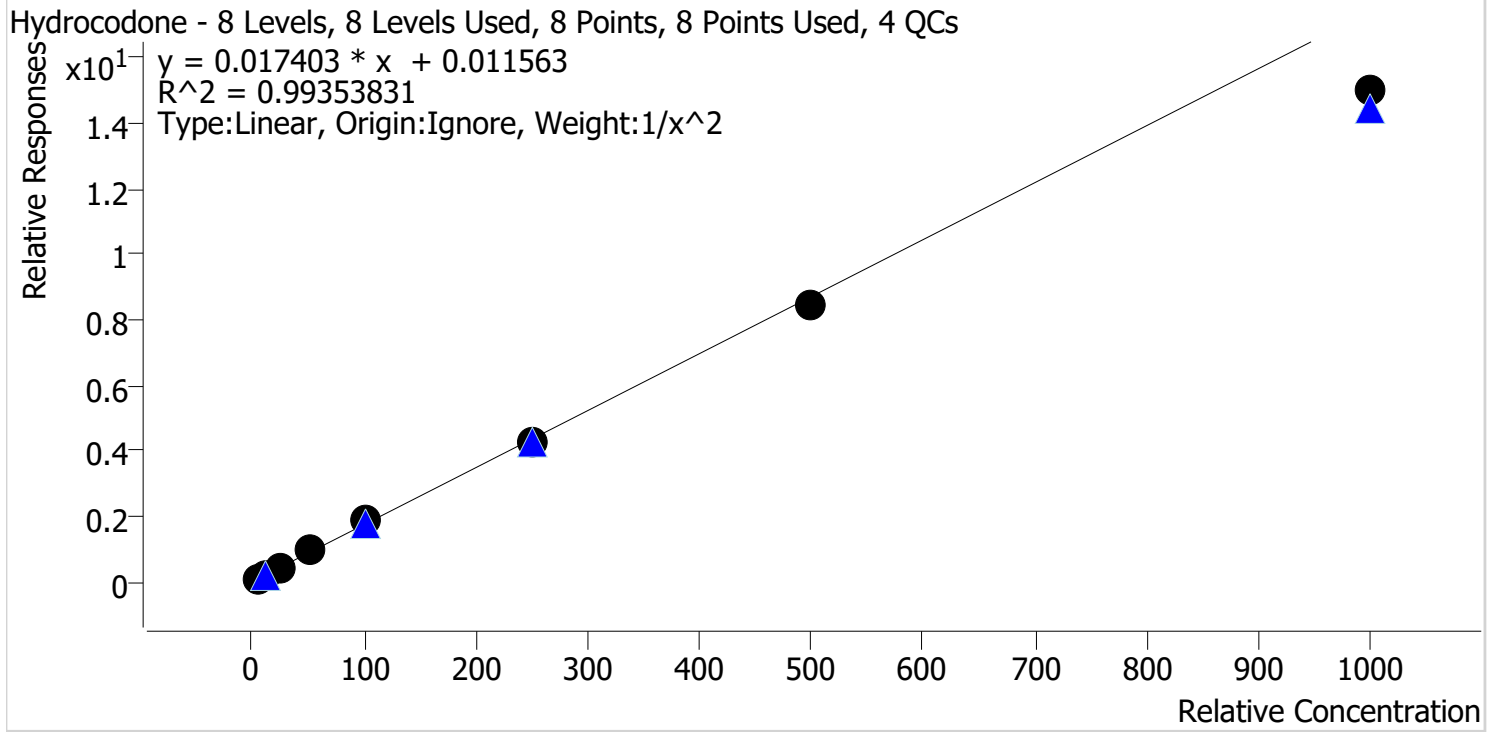
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	997.2	99.7

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	109.0	109.0
p1 Cal 6-250ng	6	✓	250.0	247.6	99.1
p1 Cal 7-500ng	7	✓	500.0	488.1	97.6
p1 Cal 8-1000ng	8	✓	1000.0	861.6	86.2

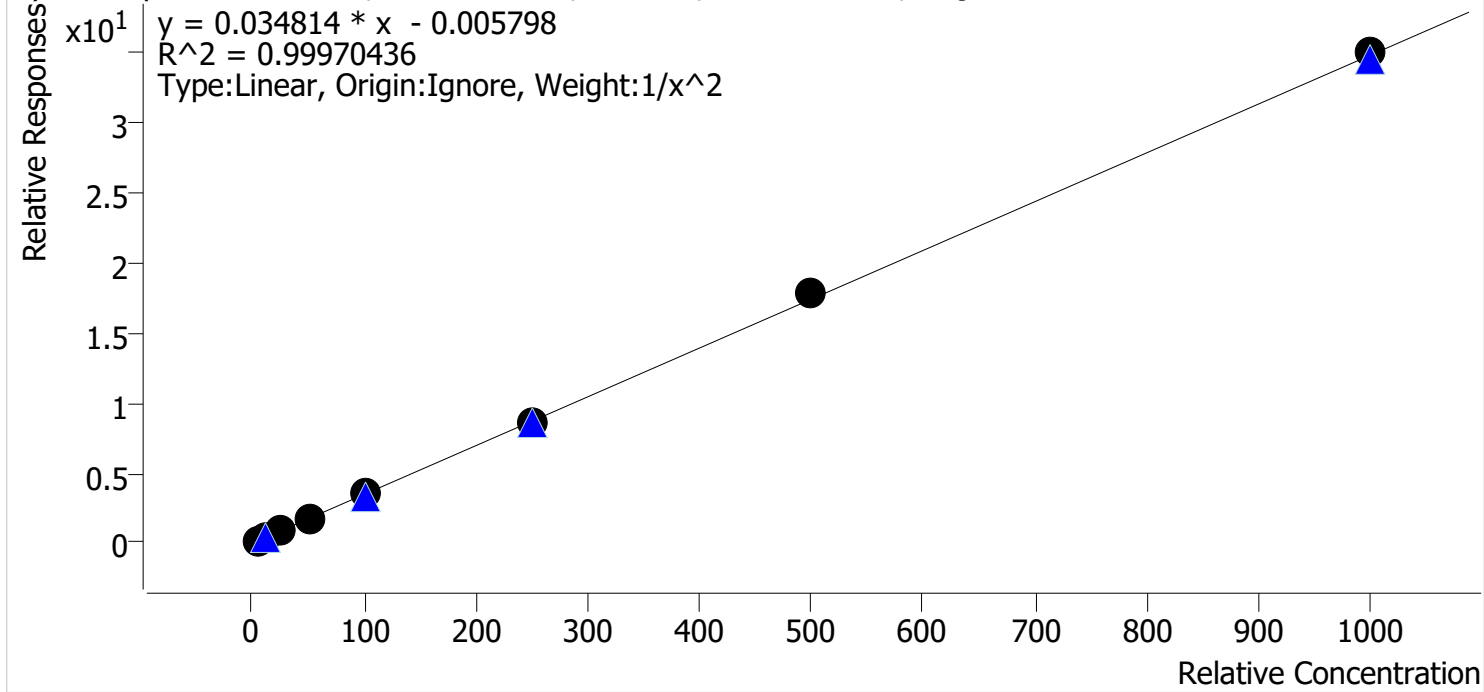
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



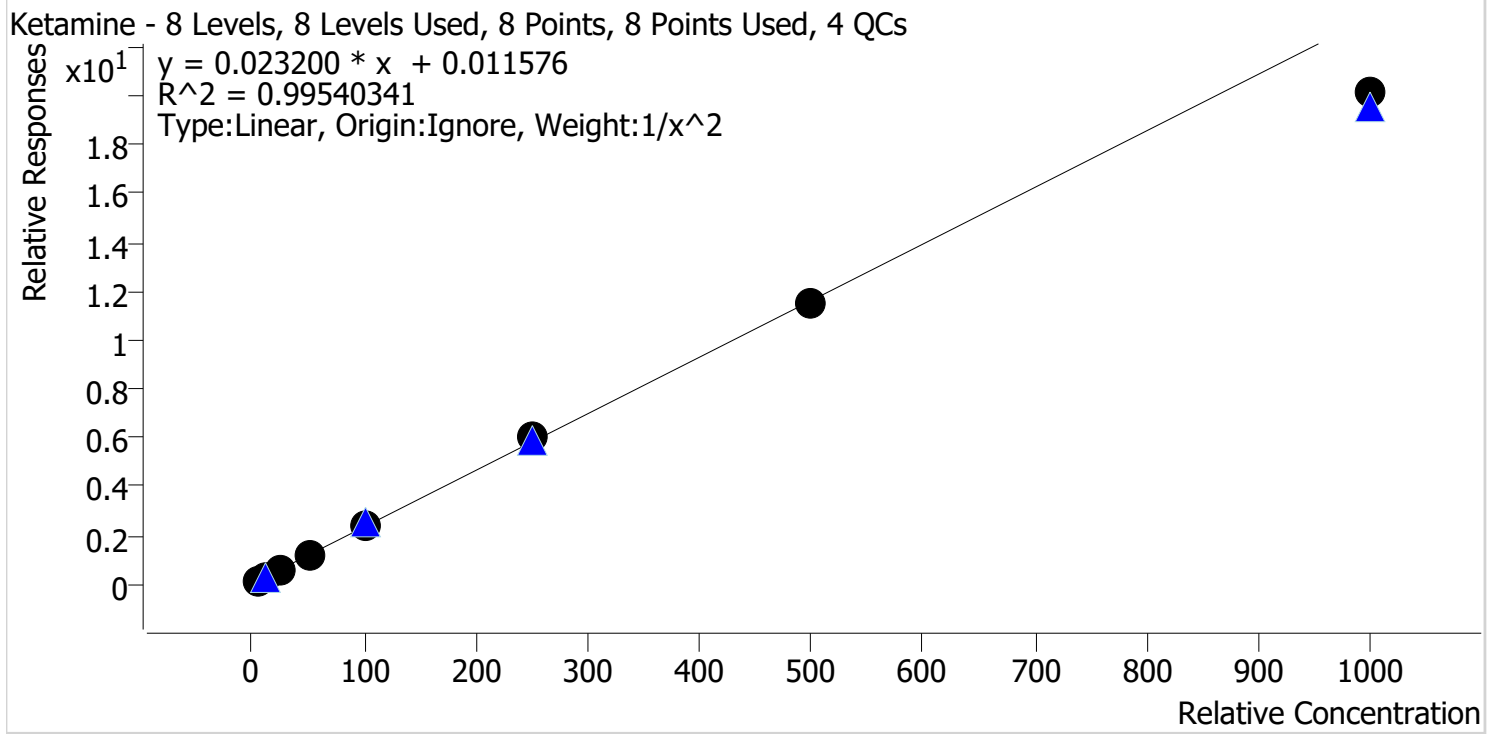
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	512.0	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1005.5	100.6

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**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	98.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	256.9	102.8
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	867.6	86.8

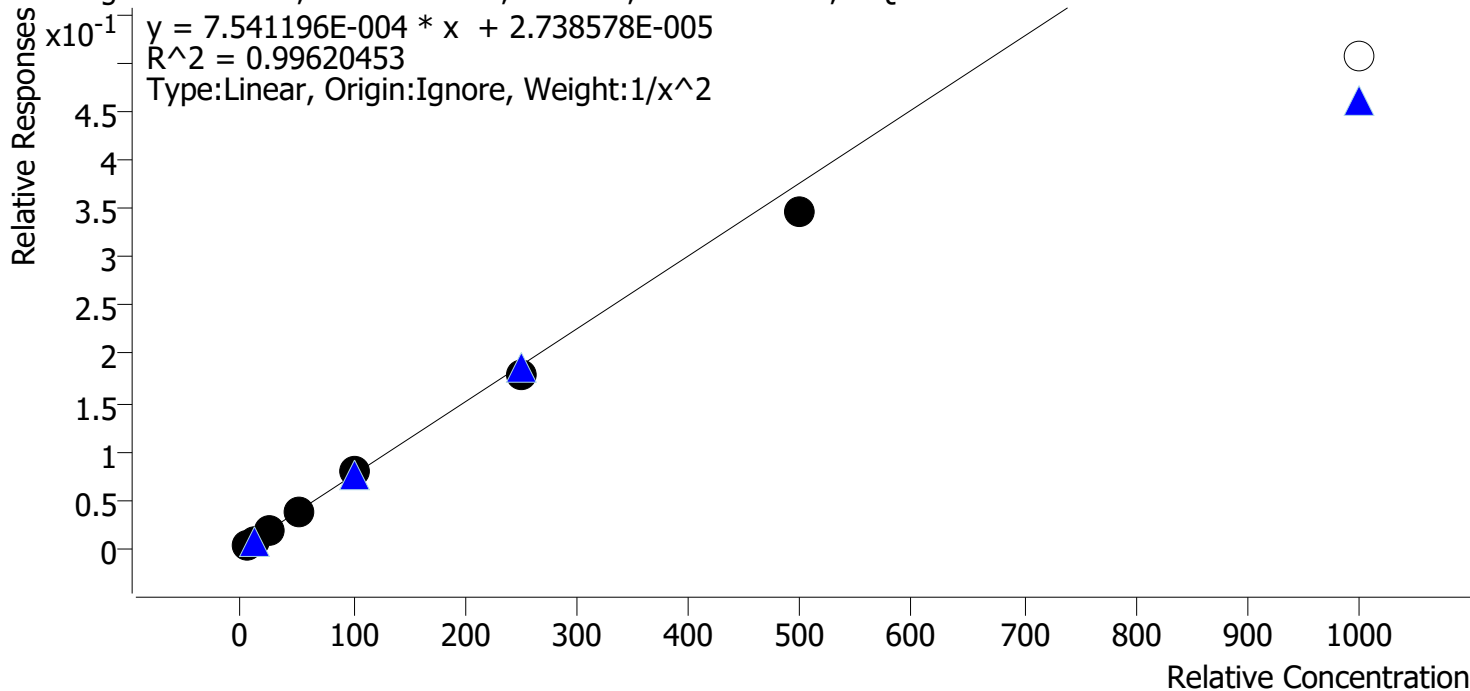
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3

Lamotrigine - 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	96.9
p1 Cal 2-10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	239.5	95.8
p1 Cal 7-500ng	7	✓	500.0	458.5	91.7
p1 Cal 8-1000ng	8	✗	1000.0	672.4	67.2

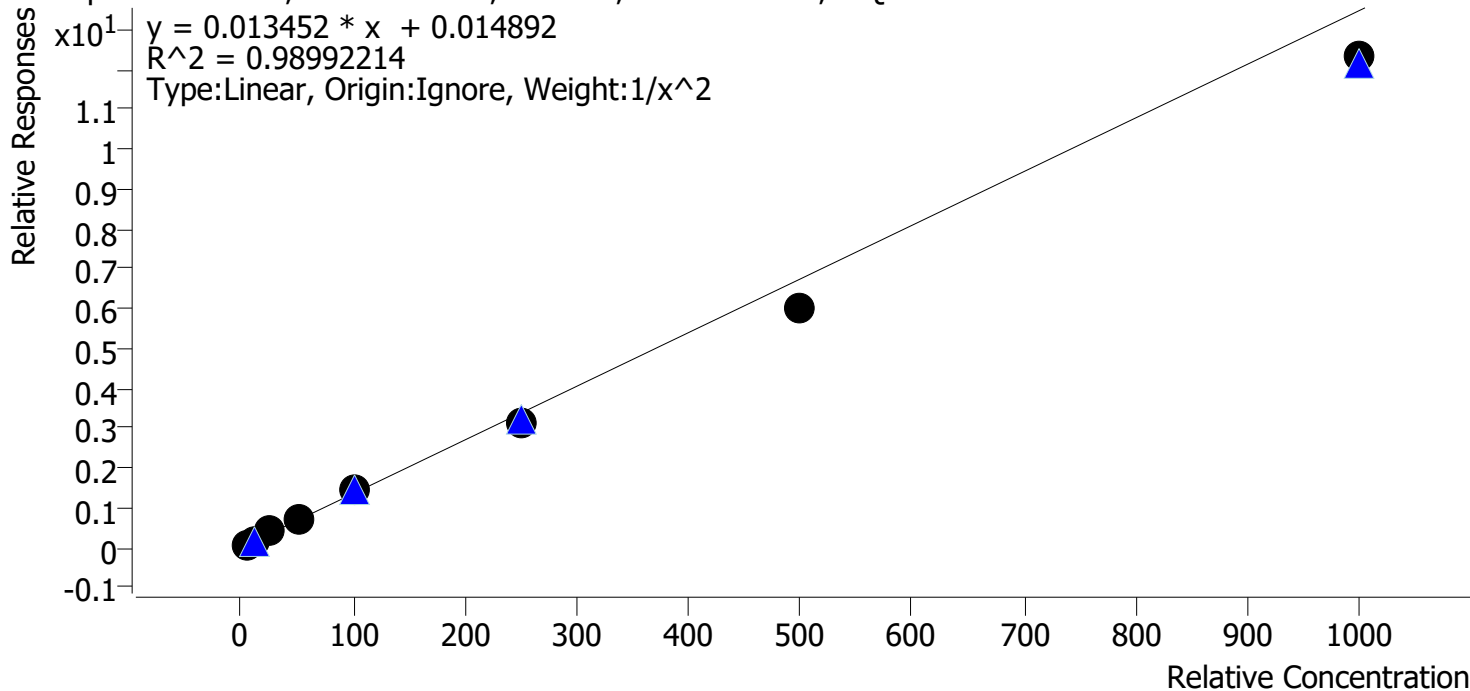
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

Lorazepam - 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	4.7	95.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.6
p1 Cal 4-50ng	4	✓	50.0	54.6	109.3
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	232.6	93.1
p1 Cal 7-500ng	7	✓	500.0	447.2	89.4
p1 Cal 8-1000ng	8	✓	1000.0	914.3	91.4



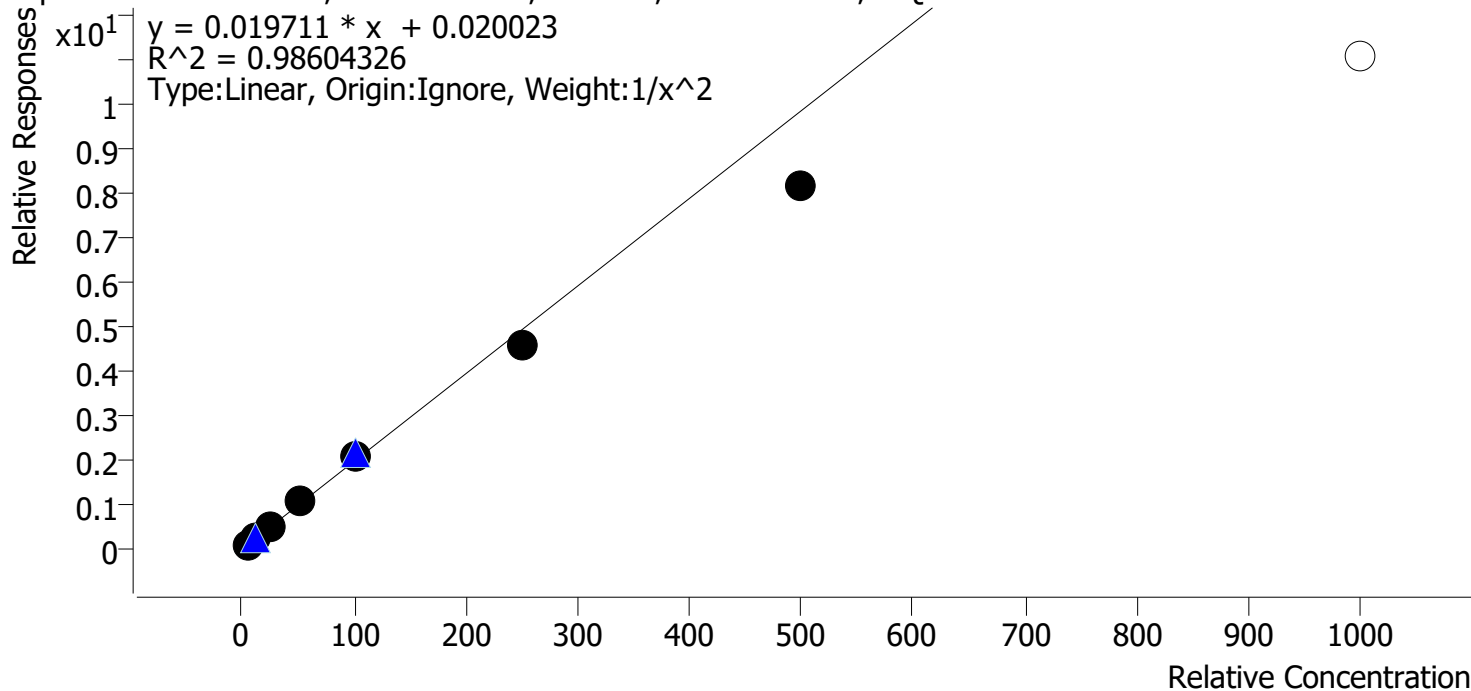
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

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



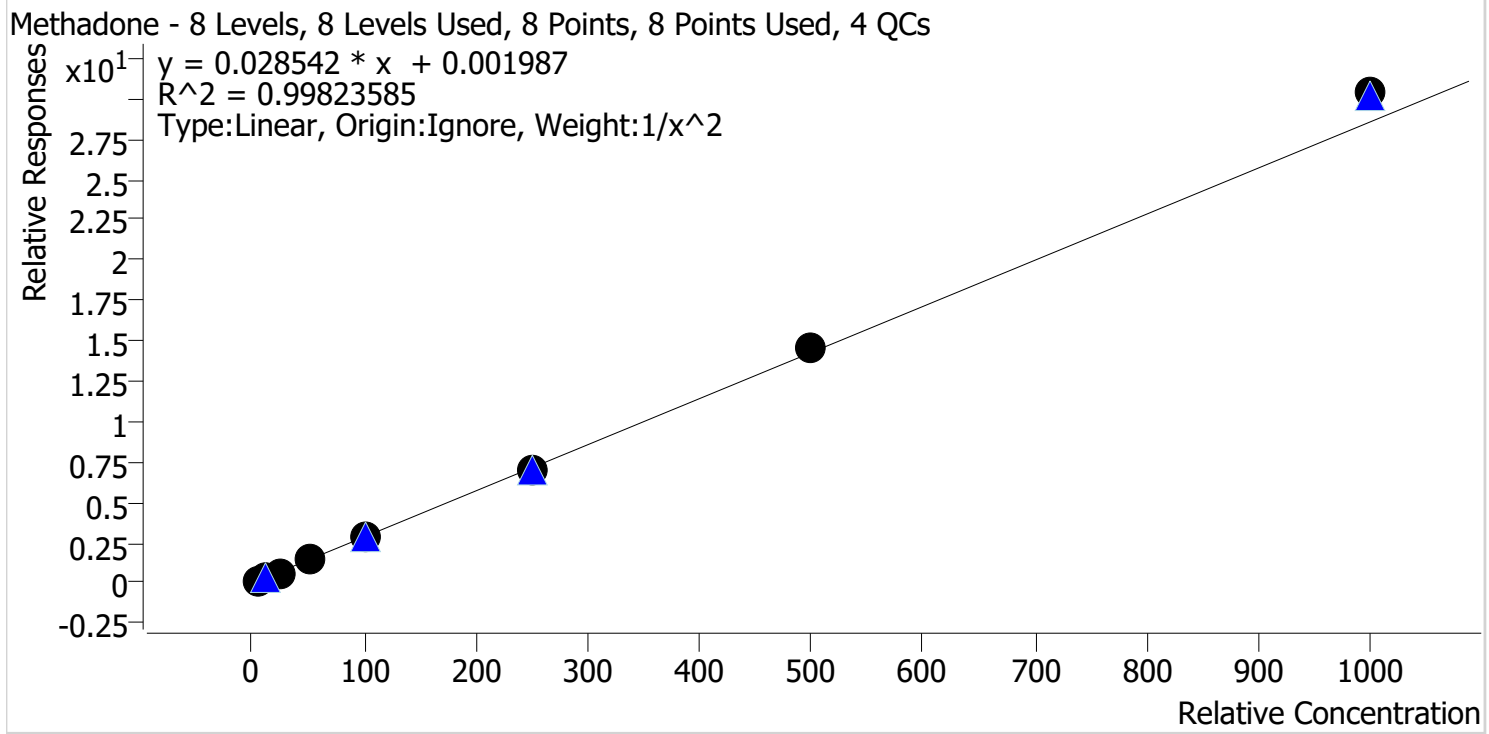
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.2
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	107.1	107.1
p1 Cal 6-250ng	6	✓	250.0	232.8	93.1
p1 Cal 7-500ng	7	✓	500.0	412.4	82.5
p1 Cal 8-1000ng	8	✗	1000.0	561.7	56.2

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



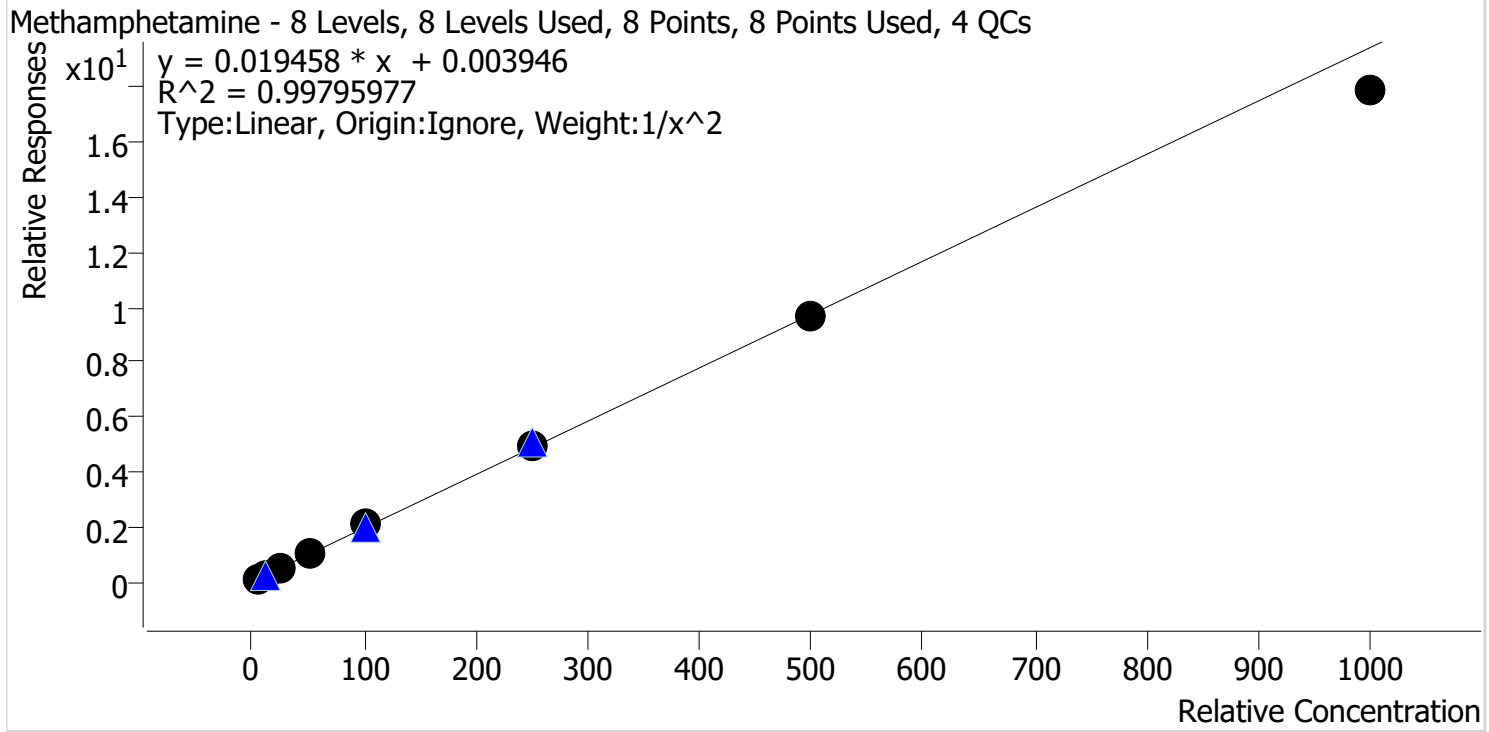
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	511.6	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1063.6	106.4

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**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	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	919.4	91.9

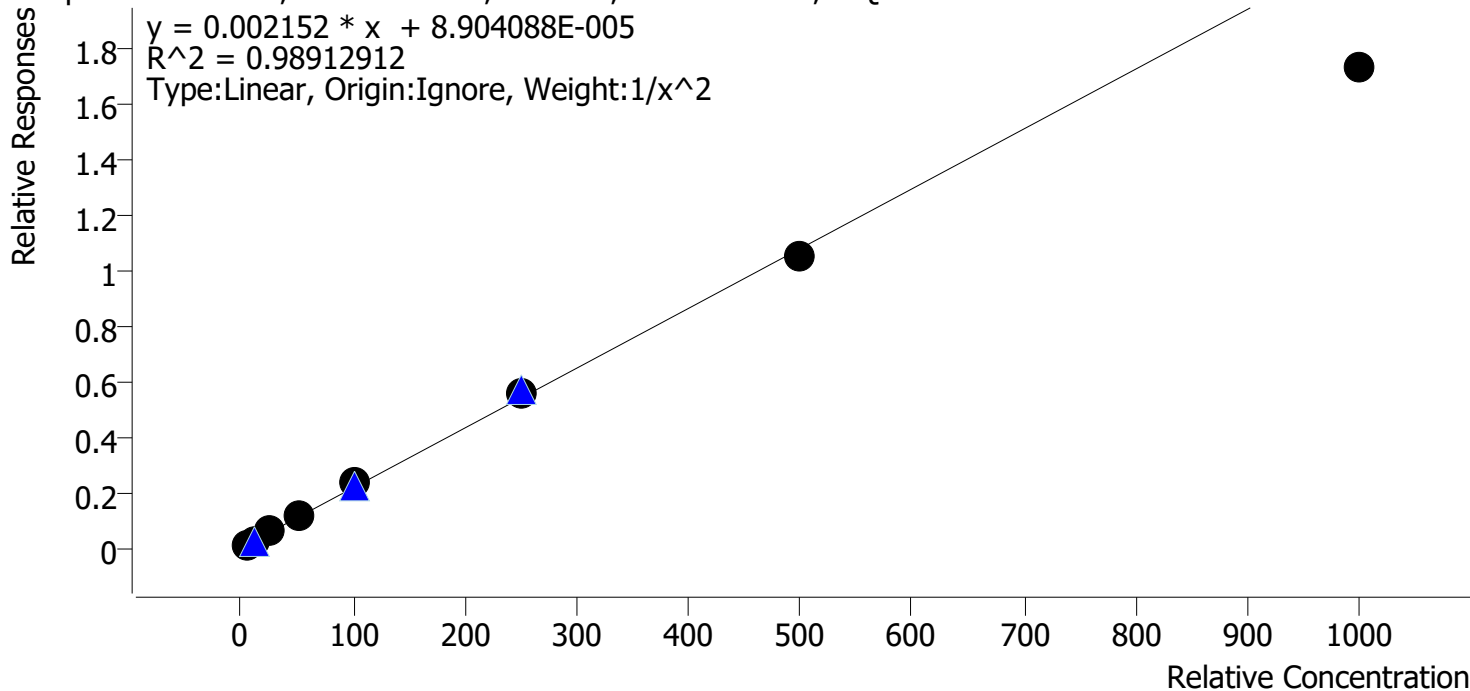
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



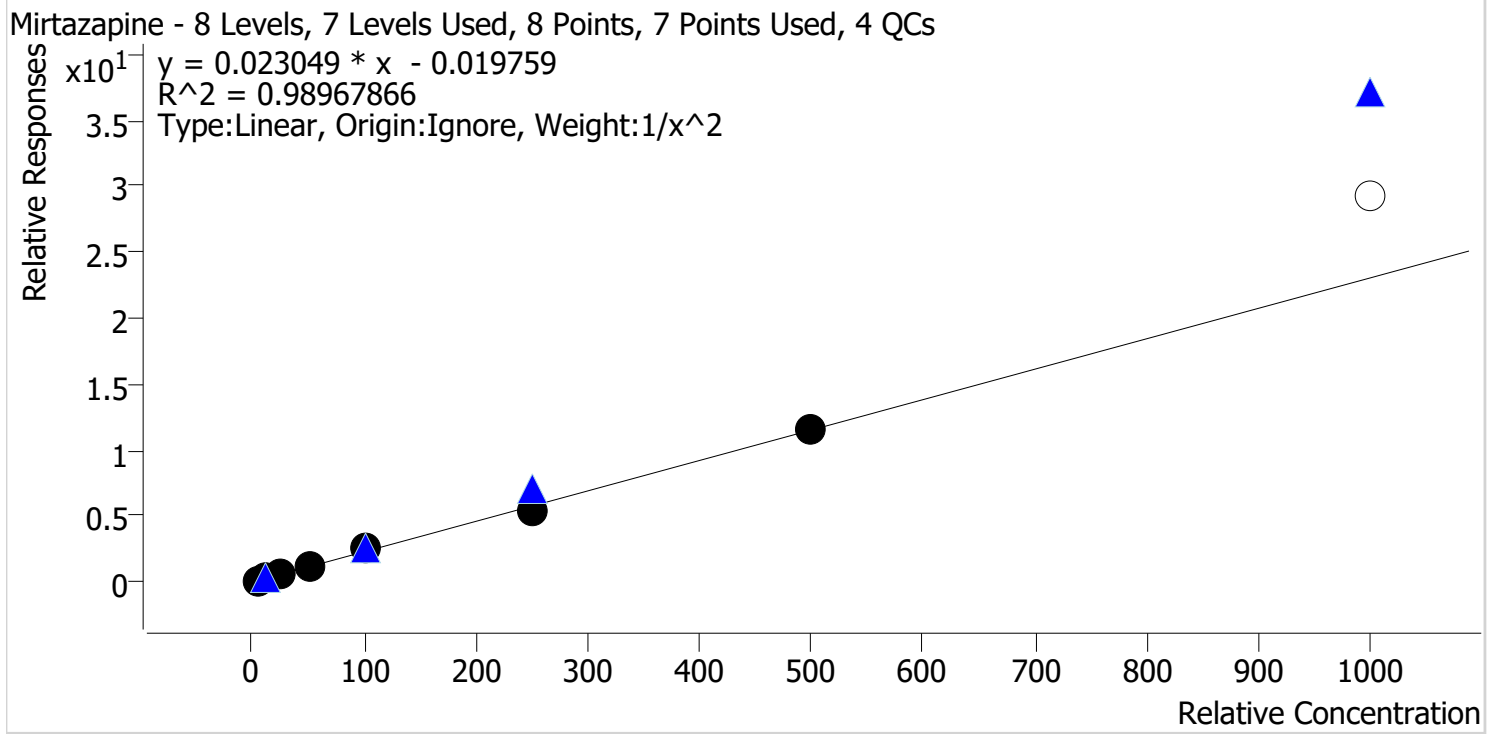
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	484.7	96.9
p1 Cal 8-1000ng	8	✓	1000.0	804.9	80.5

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8



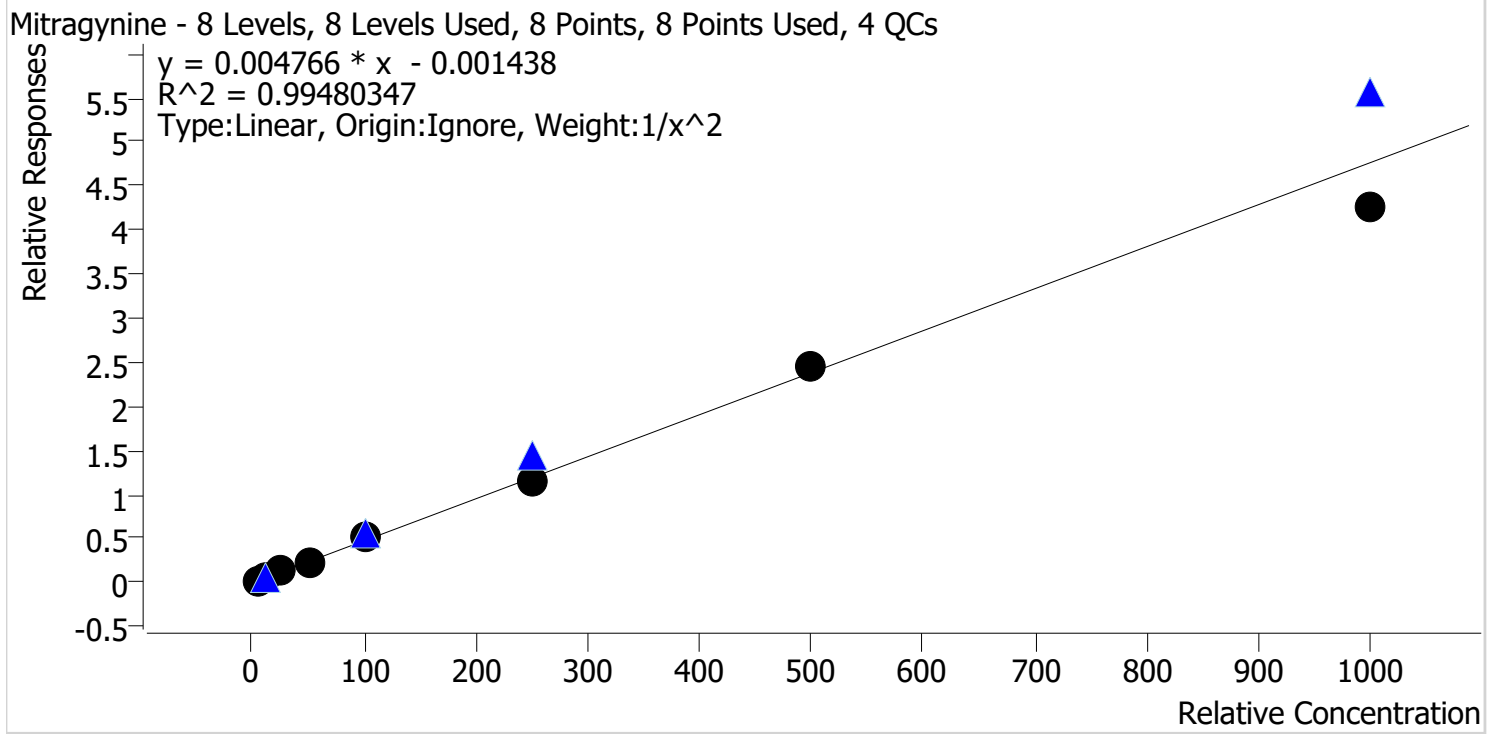
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	11.0	110.3
p1 Cal 3 -25ng	3	✓	25.0	21.9	87.6
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	112.2	112.2
p1 Cal 6-250ng	6	✓	250.0	240.3	96.1
p1 Cal 7-500ng	7	✓	500.0	502.6	100.5
p1 Cal 8-1000ng	8	x	1000.0	1265.0	126.5

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



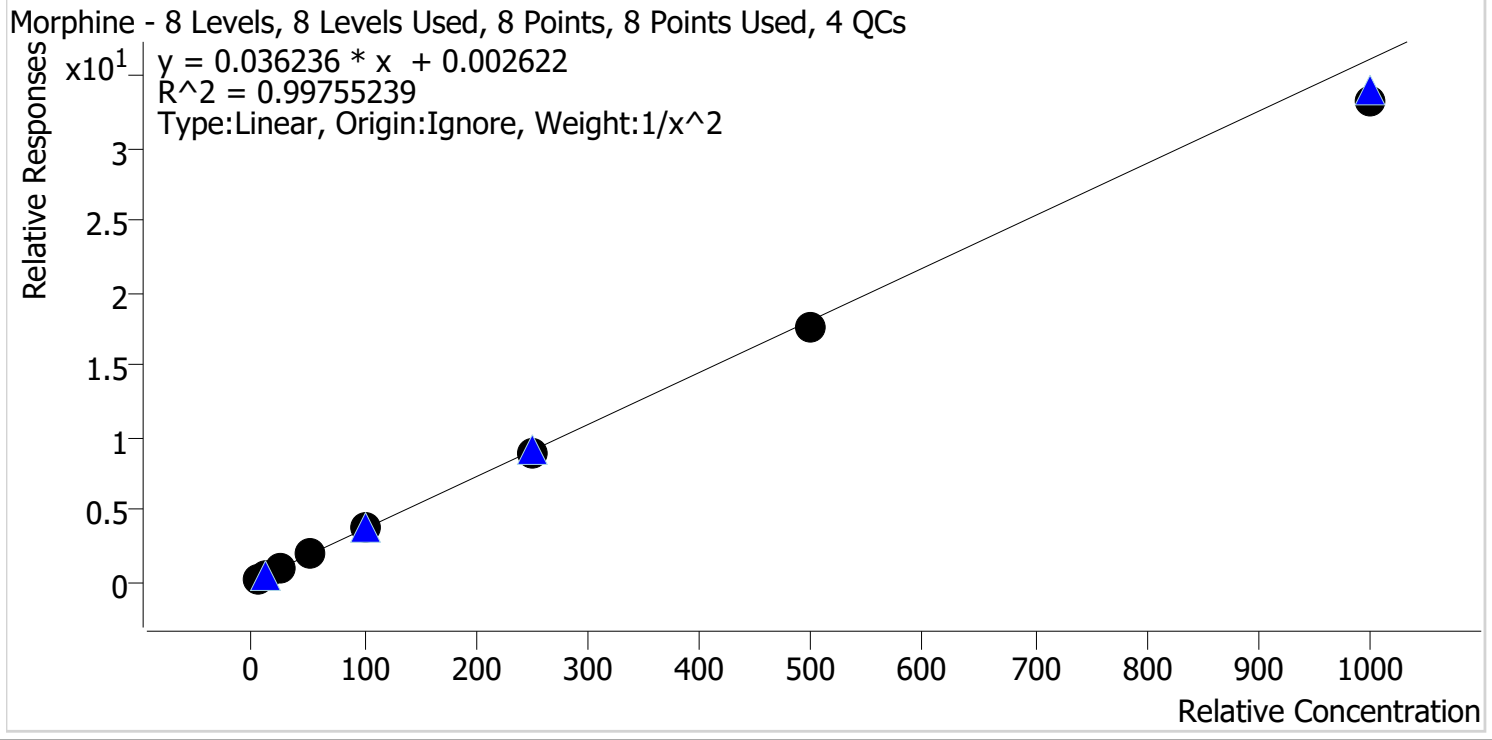
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	110.2	110.2
p1 Cal 6-250ng	6	✓	250.0	237.5	95.0
p1 Cal 7-500ng	7	✓	500.0	513.4	102.7
p1 Cal 8-1000ng	8	✓	1000.0	895.1	89.5

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	489.5	97.9
p1 Cal 8-1000ng	8	✓	1000.0	918.1	91.8

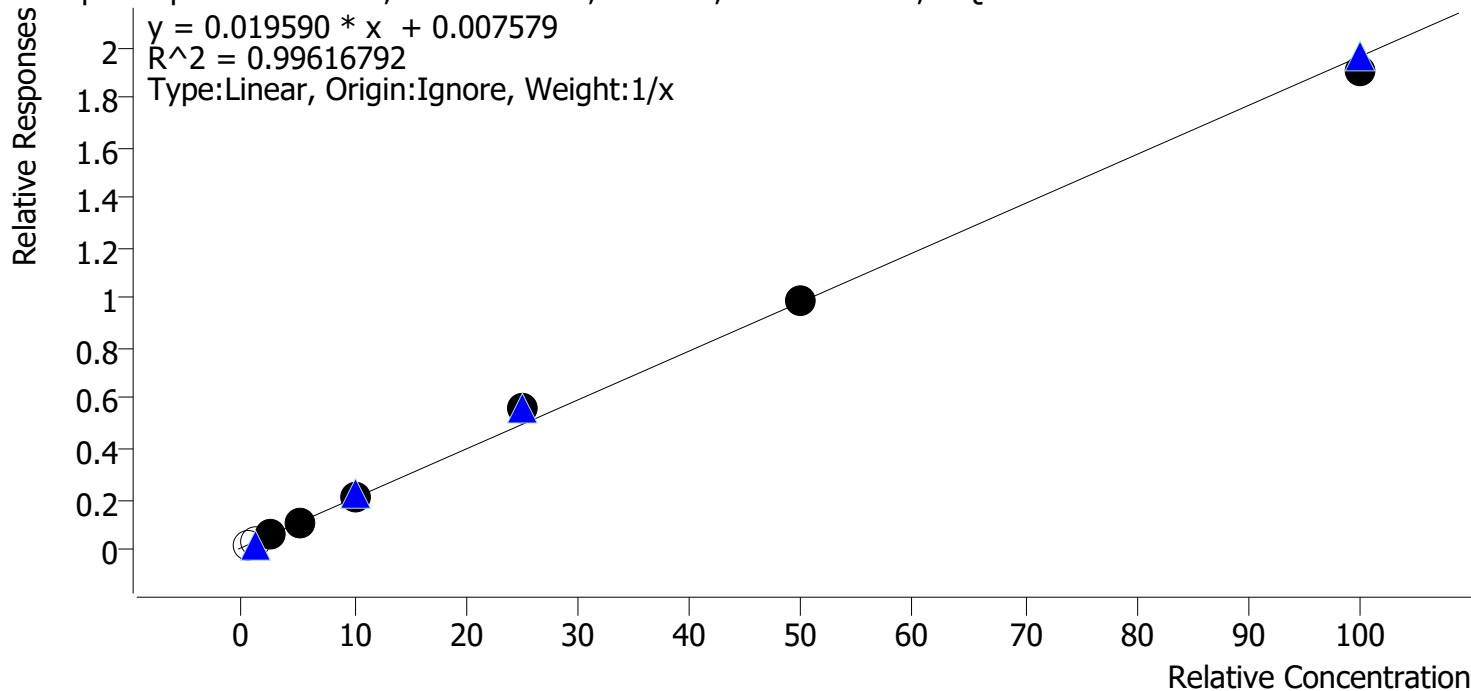
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.6	125.6
p1 Cal 2-10ng	2	x	1.0	0.9	90.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.7
p1 Cal 4-50ng	4	✓	5.0	4.6	91.1
p1 Cal 5-100ng	5	✓	10.0	10.3	103.2
p1 Cal 6-250ng	6	✓	25.0	28.2	112.7
p1 Cal 7-500ng	7	✓	50.0	50.2	100.5
p1 Cal 8-1000ng	8	✓	100.0	96.8	96.8

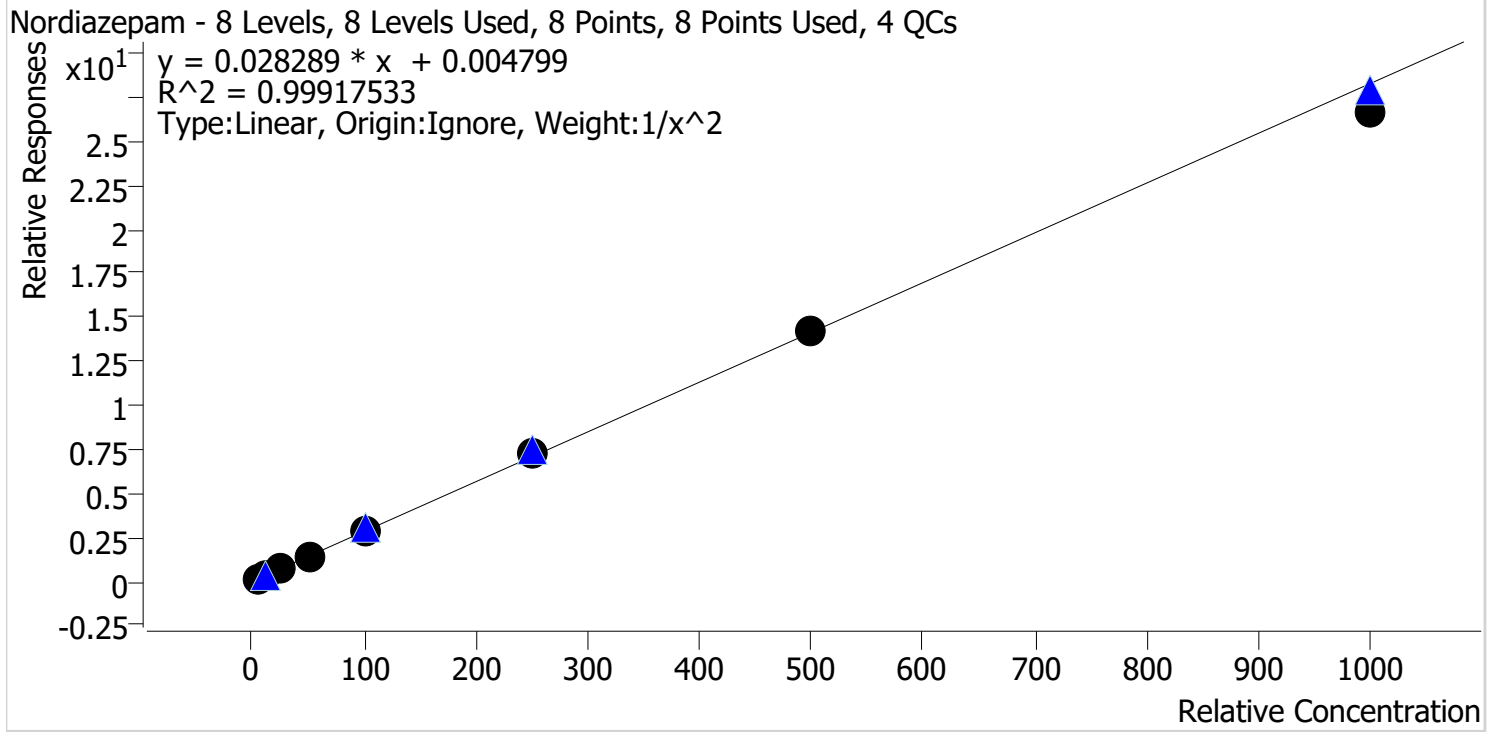


SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	503.5	100.7
p1 Cal 8-1000ng	8	✓	1000.0	942.6	94.3

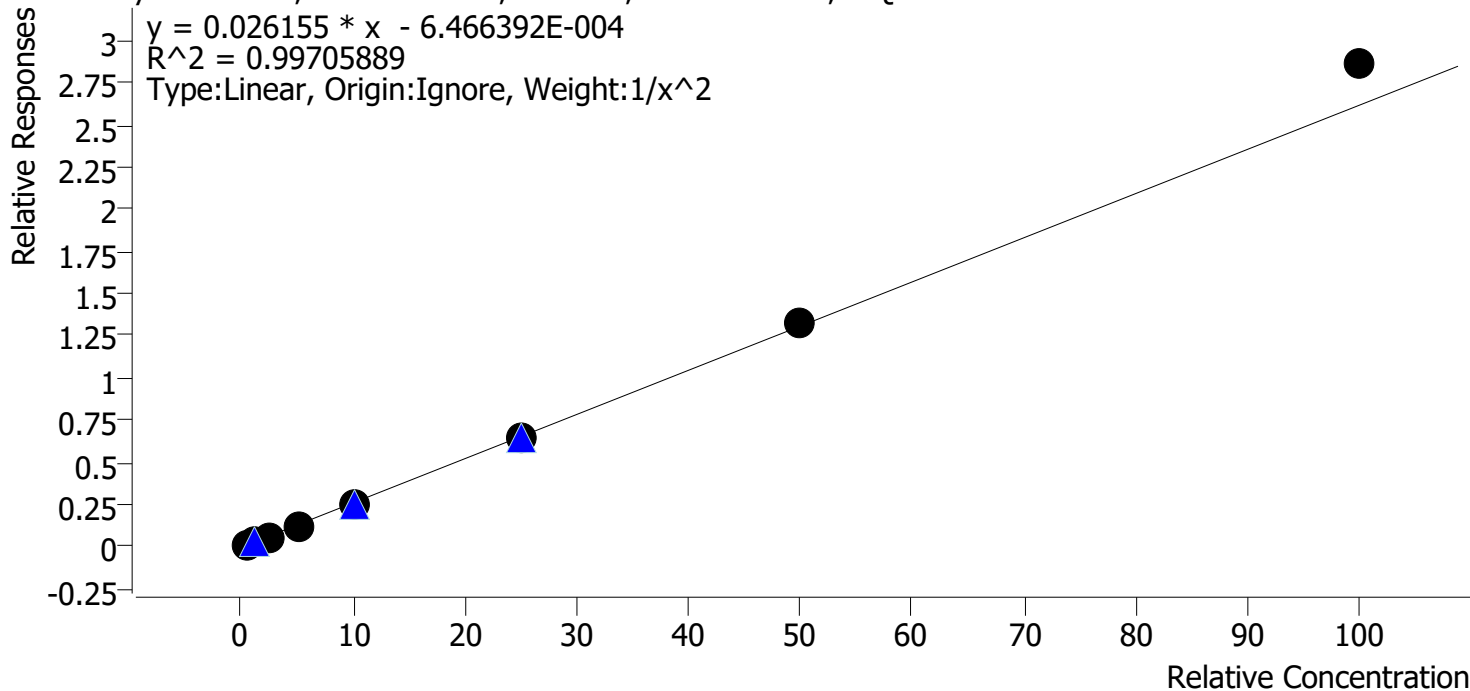
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5

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



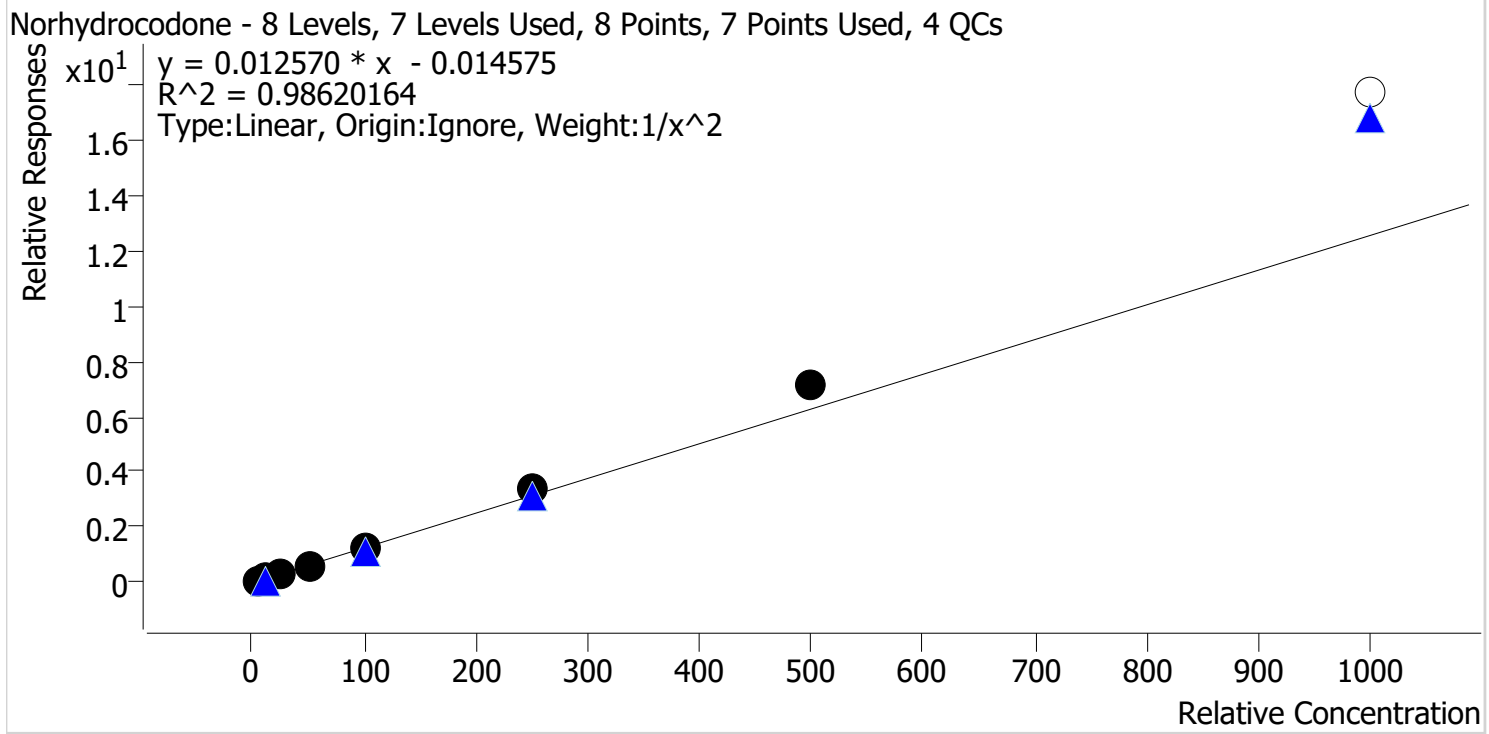
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.7
p1 Cal 2-10ng	2	✓	1.0	1.0	97.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.7
p1 Cal 4-50ng	4	✓	5.0	4.8	96.2
p1 Cal 5-100ng	5	✓	10.0	9.8	98.1
p1 Cal 6-250ng	6	✓	25.0	24.9	99.8
p1 Cal 7-500ng	7	✓	50.0	50.6	101.3
p1 Cal 8-1000ng	8	✓	100.0	109.7	109.7

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



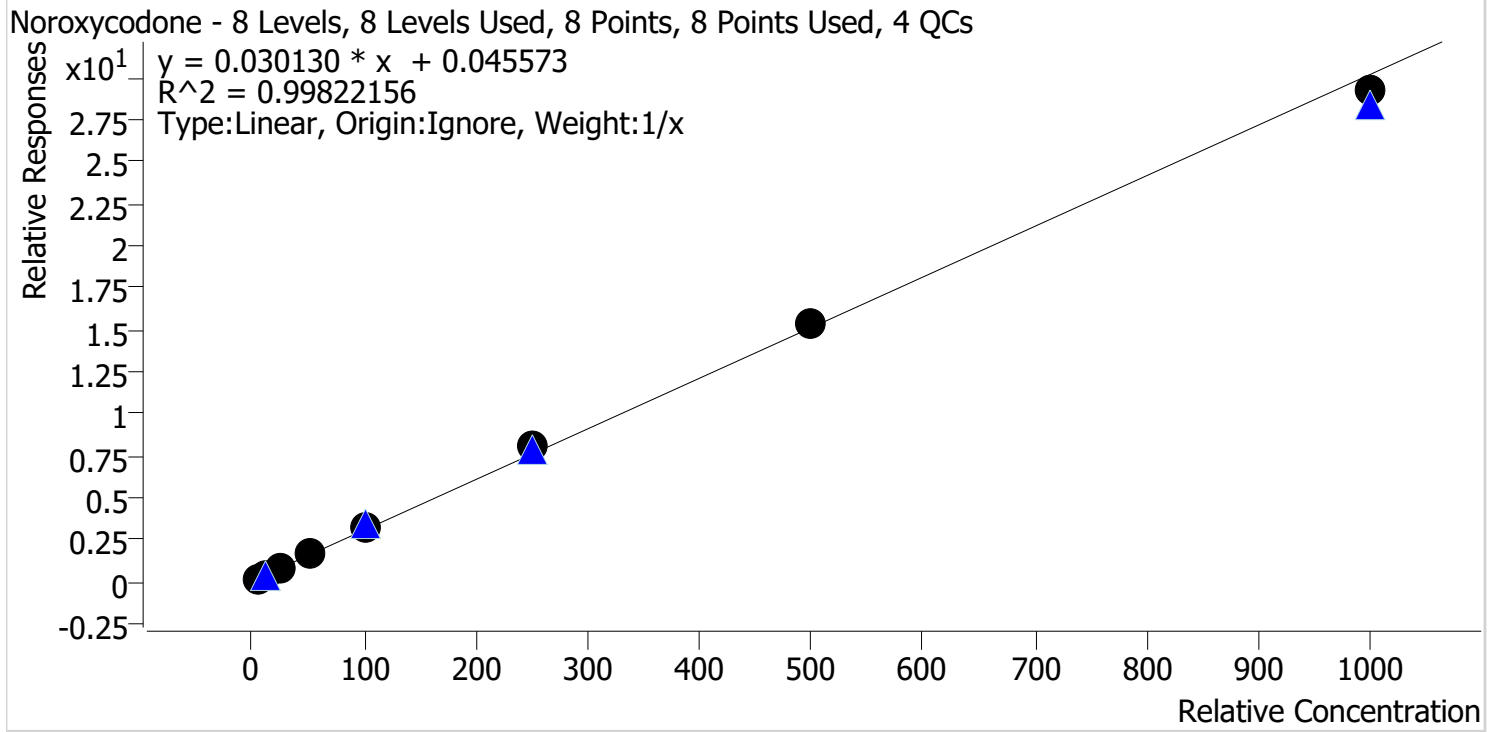
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.8
p1 Cal 2-10ng	2	✓	10.0	9.3	92.7
p1 Cal 3 -25ng	3	✓	25.0	21.3	85.3
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	267.6	107.0
p1 Cal 7-500ng	7	✓	500.0	573.0	114.6
p1 Cal 8-1000ng	8	✗	1000.0	1411.6	141.2

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



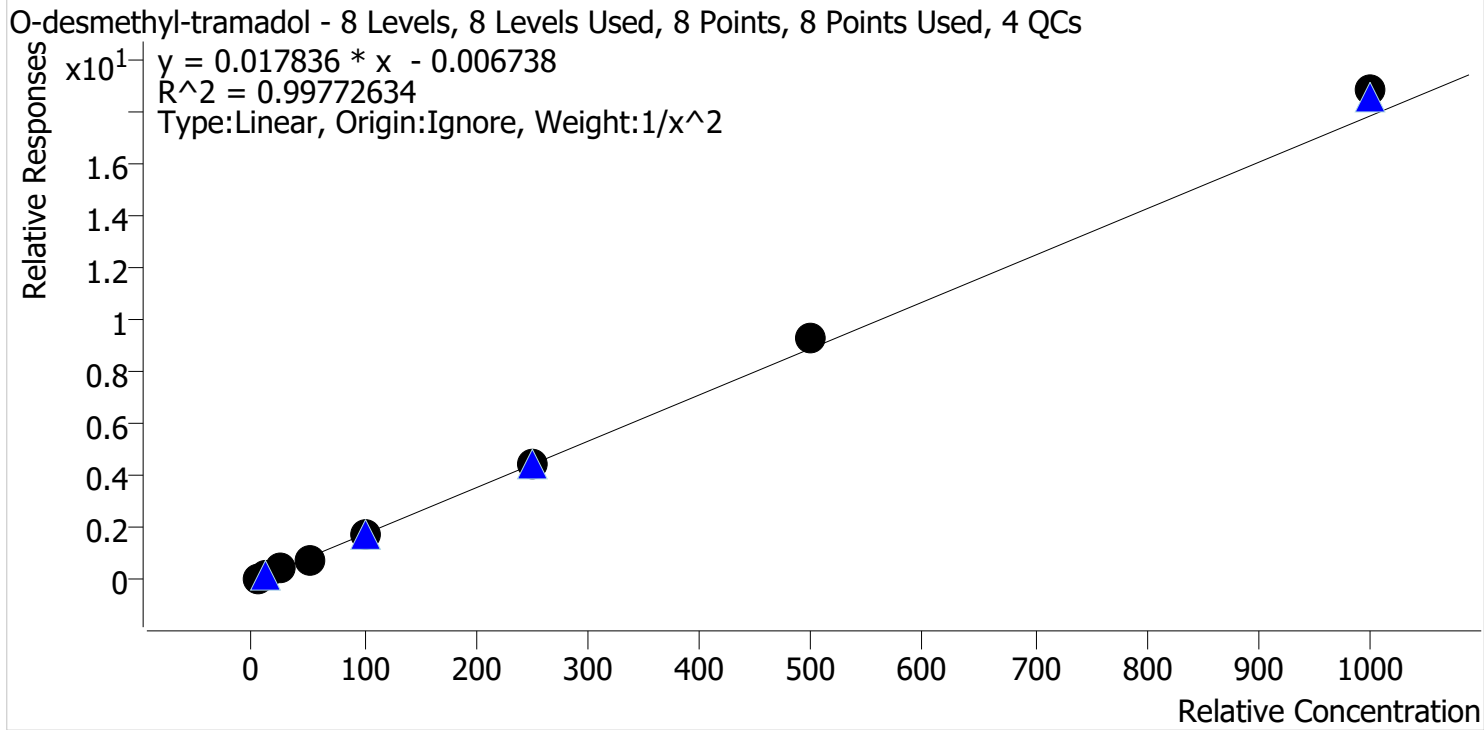
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.0	80.6
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	265.0	106.0
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	968.1	96.8

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	47.6	95.1
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	524.0	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1055.2	105.5

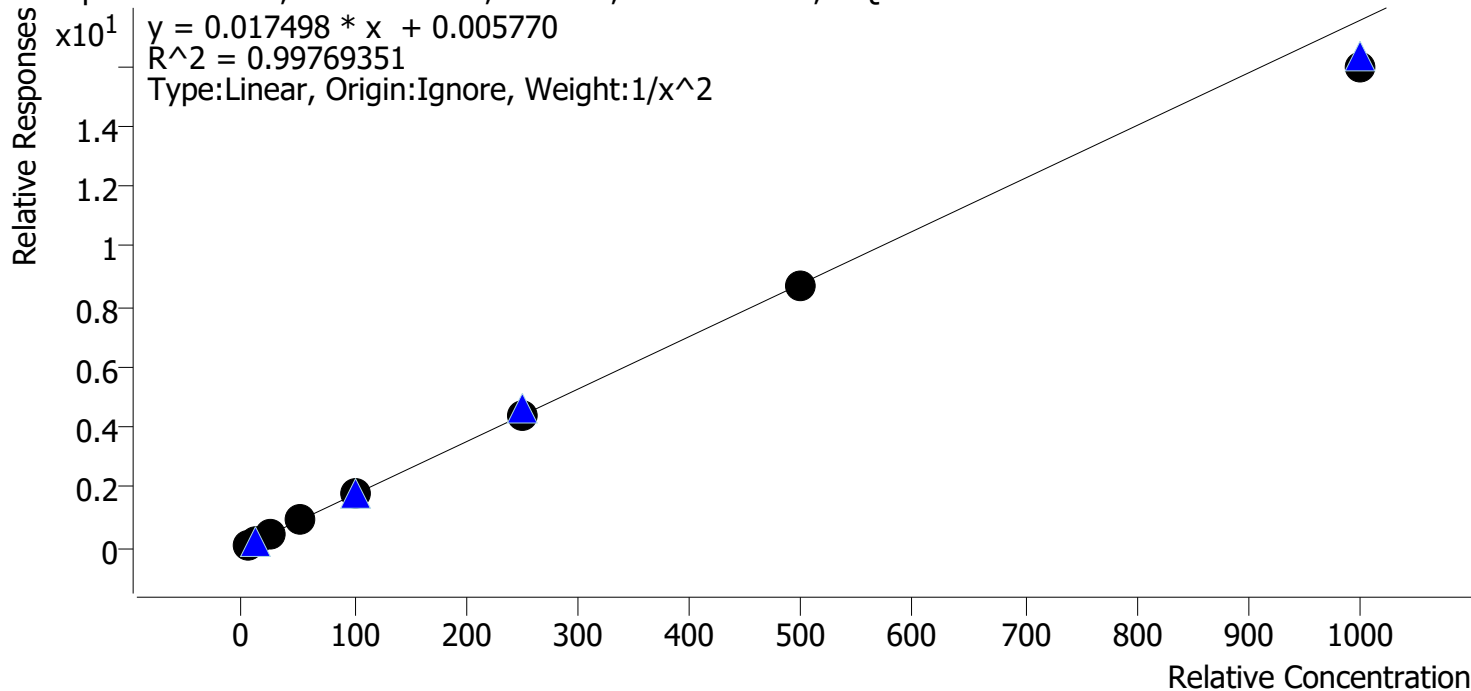
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 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	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	911.9	91.2

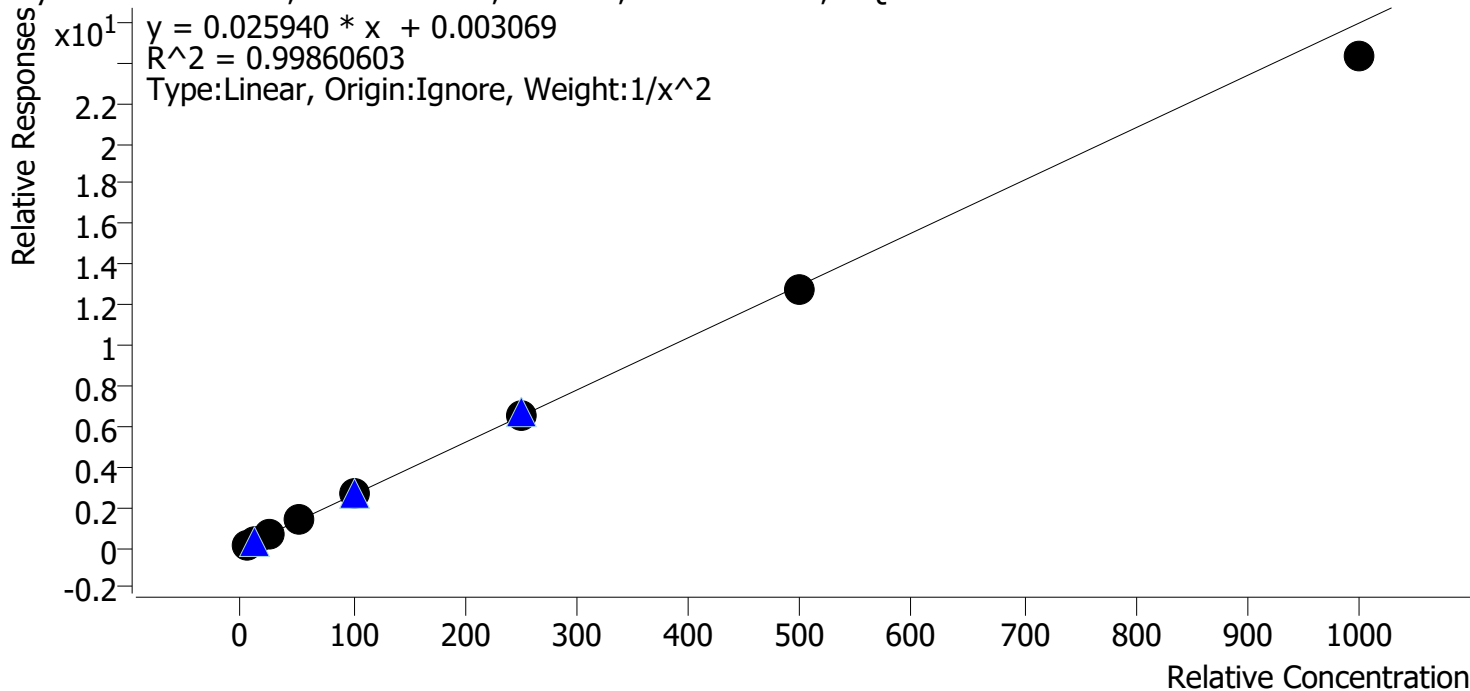
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



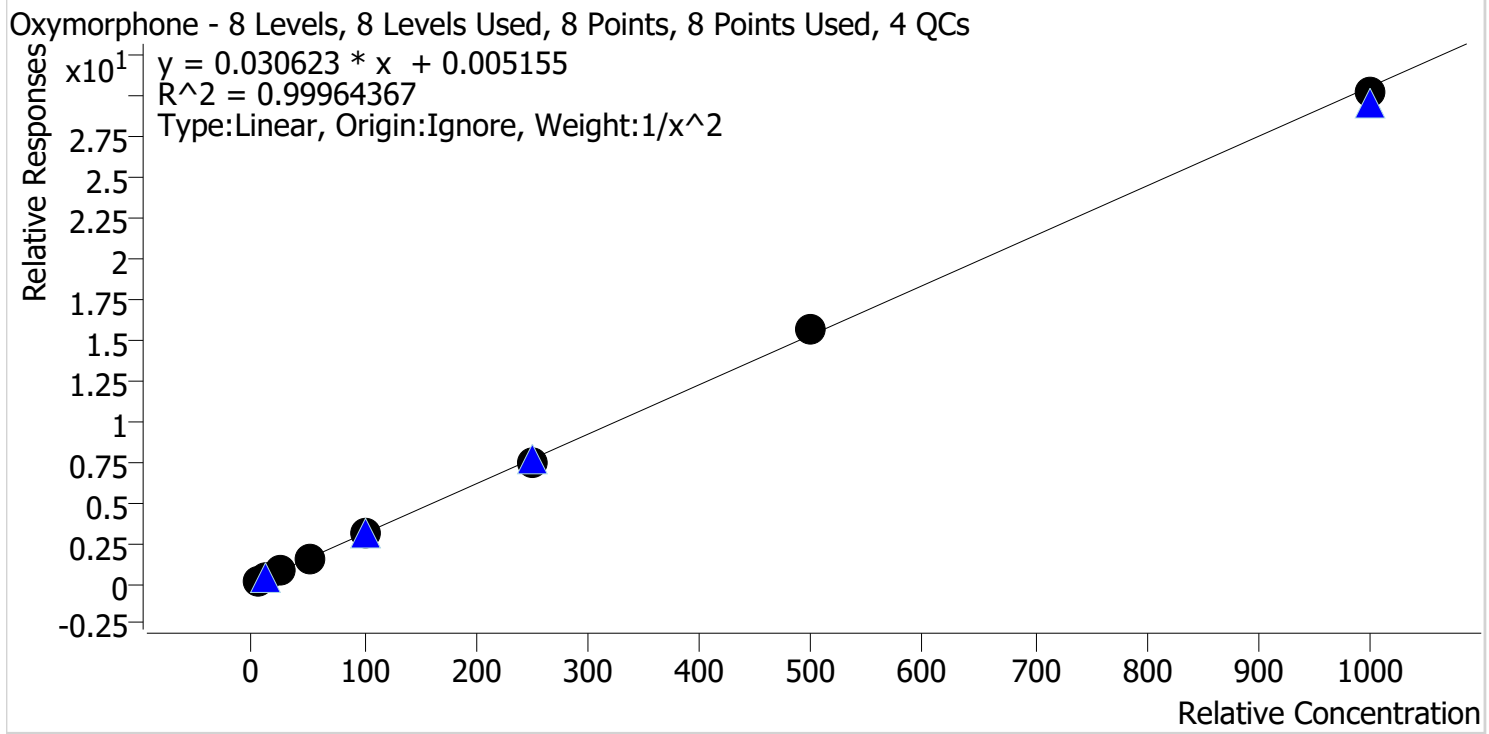
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	490.4	98.1
p1 Cal 8-1000ng	8	✓	1000.0	936.0	93.6

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✓	1000.0	988.2	98.8

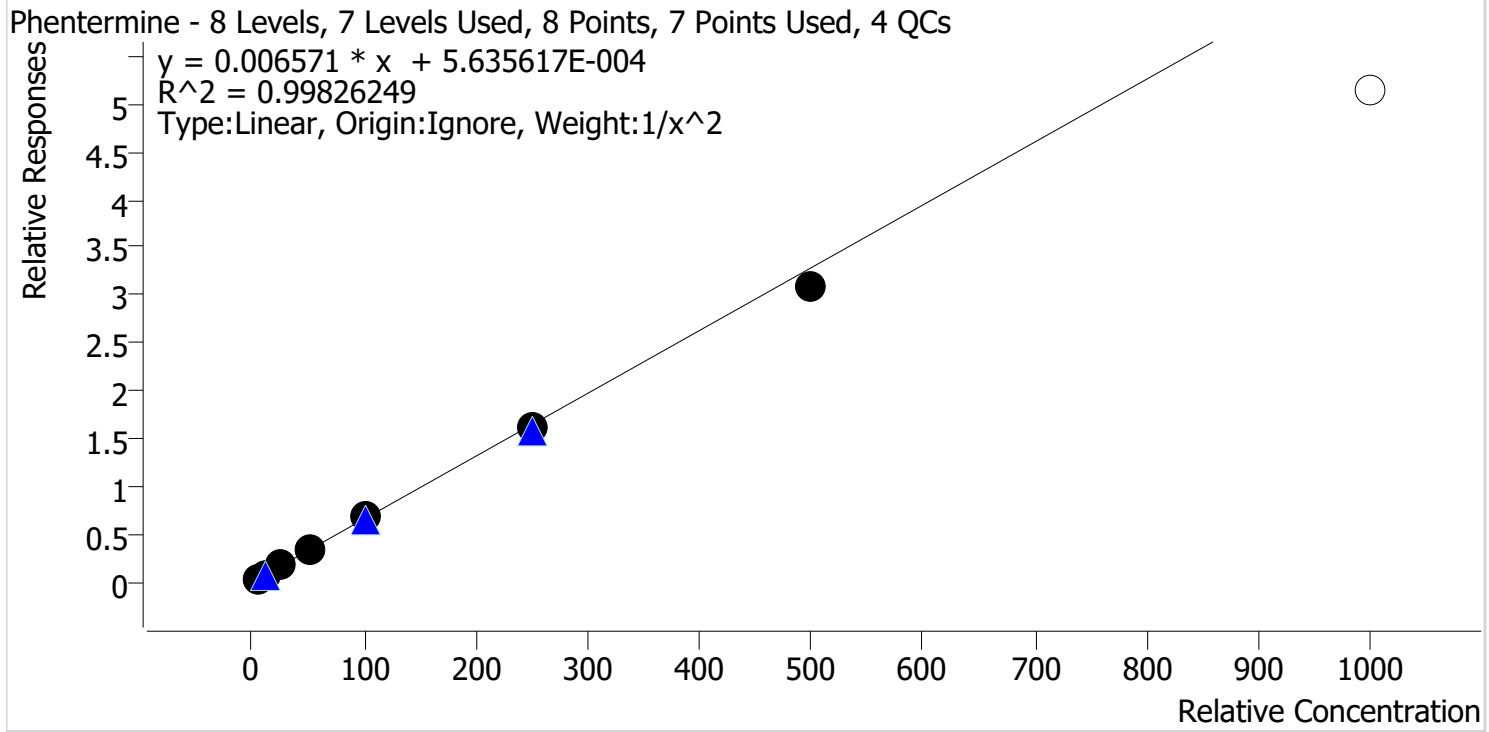


SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	467.8	93.6
p1 Cal 8-1000ng	8	✗	1000.0	781.9	78.2

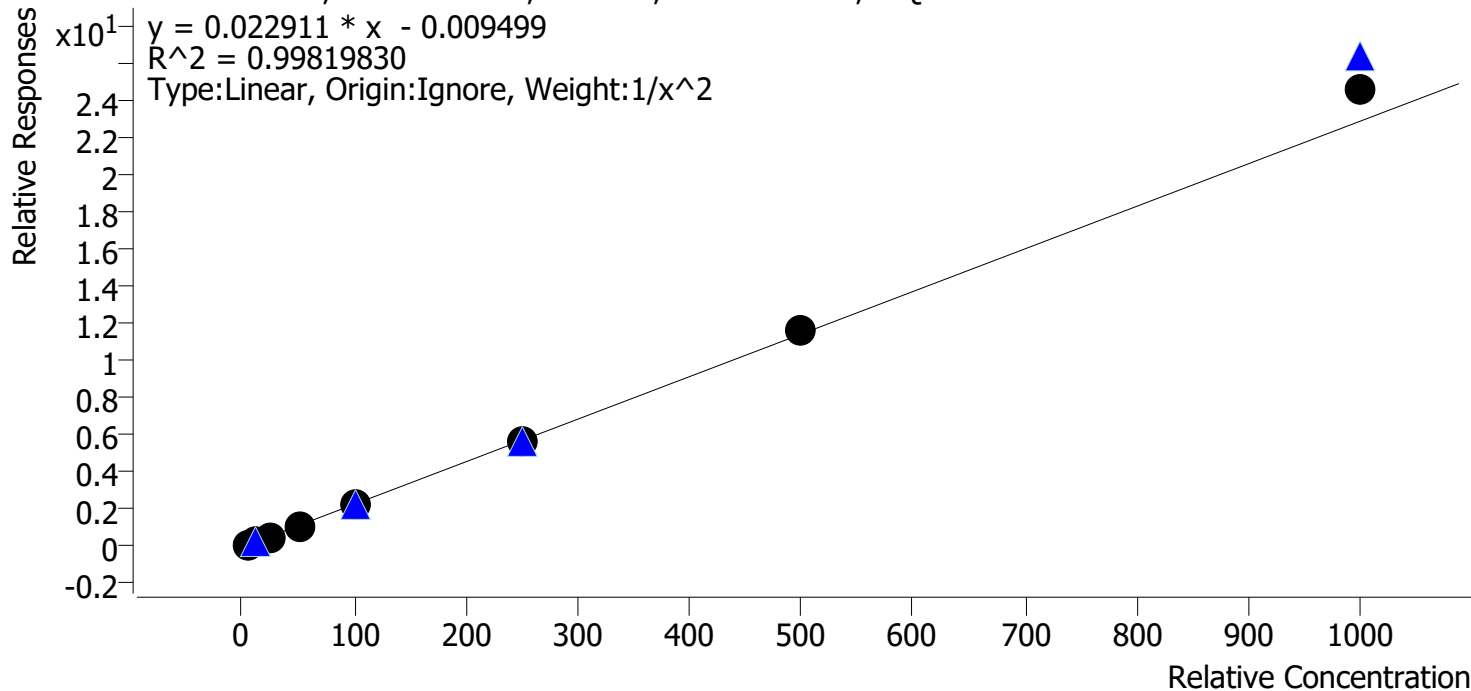
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



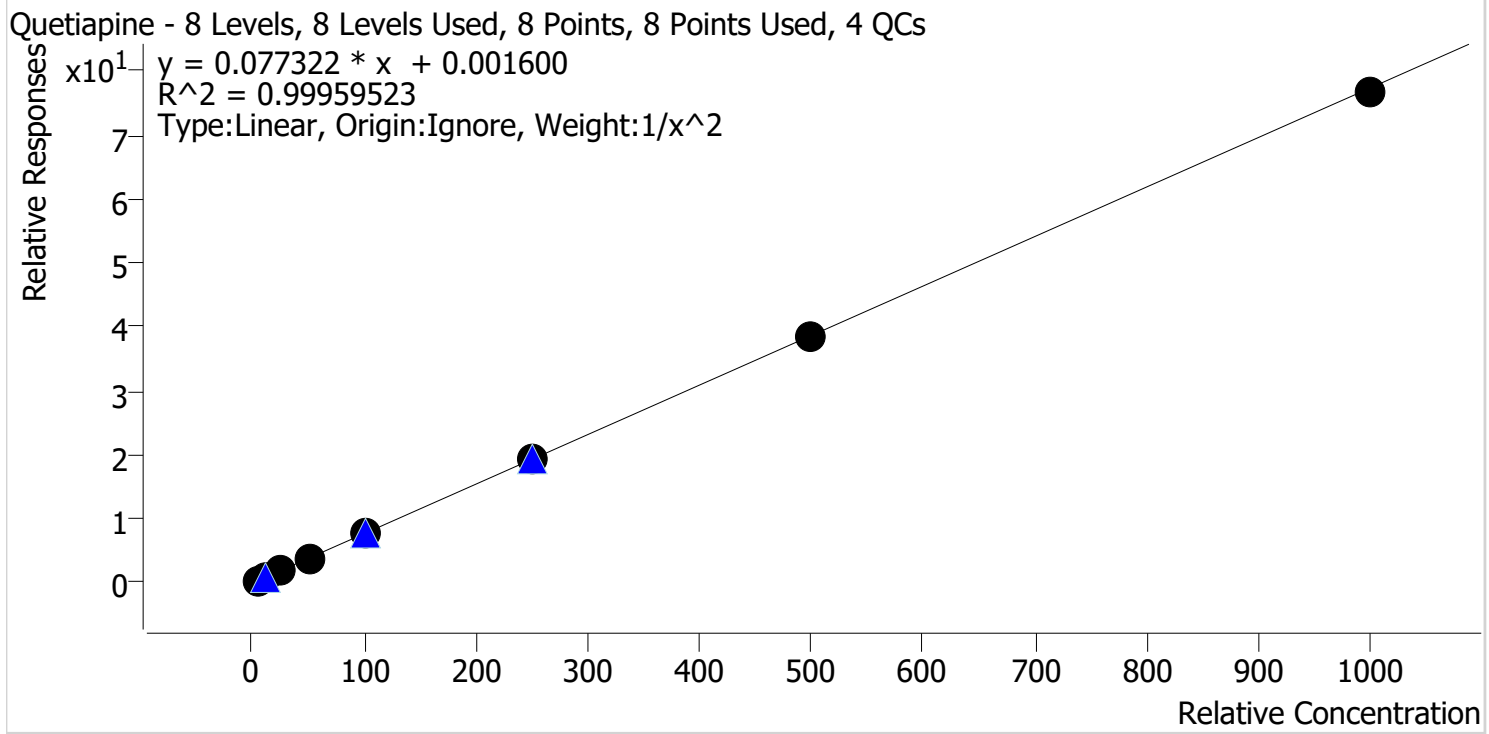
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	508.9	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1073.1	107.3

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



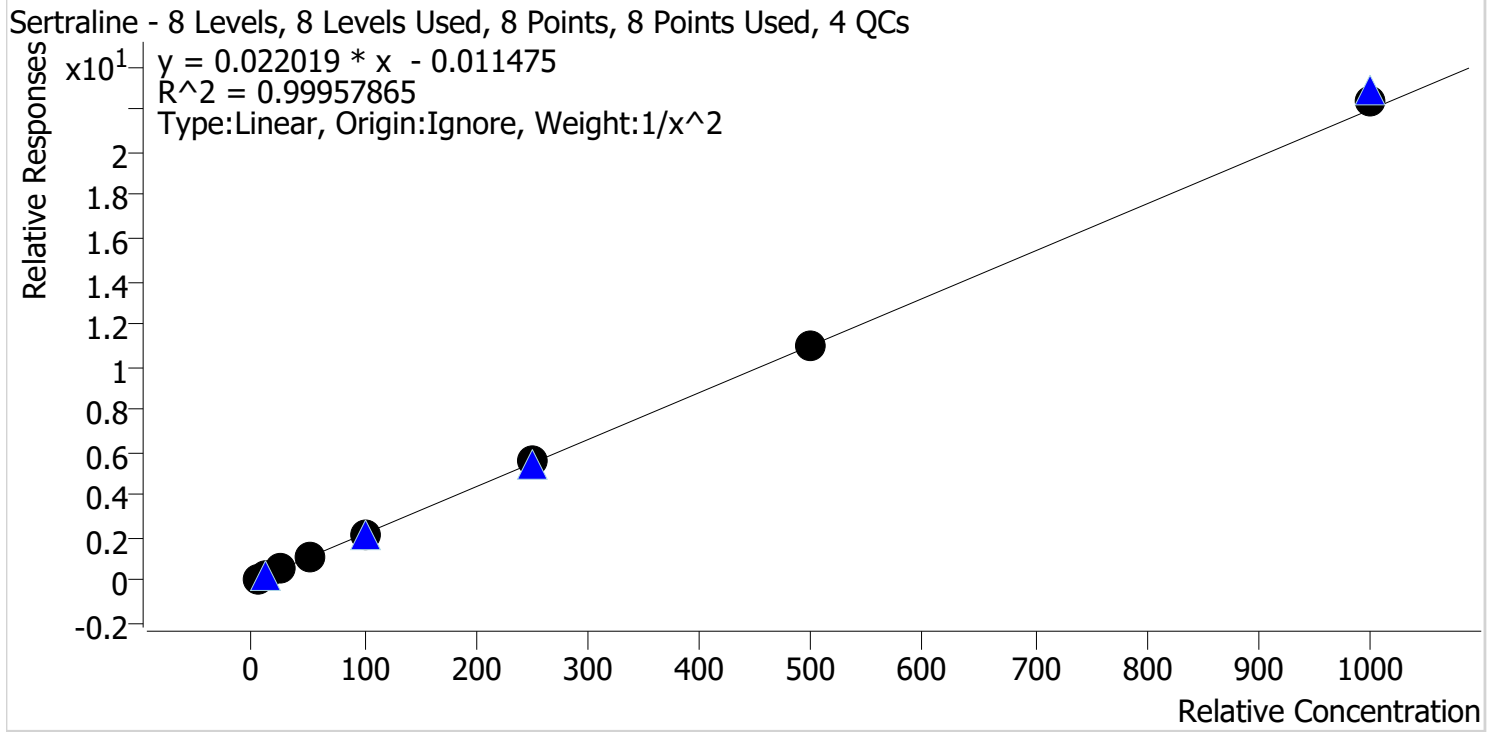
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	990.7	99.1

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



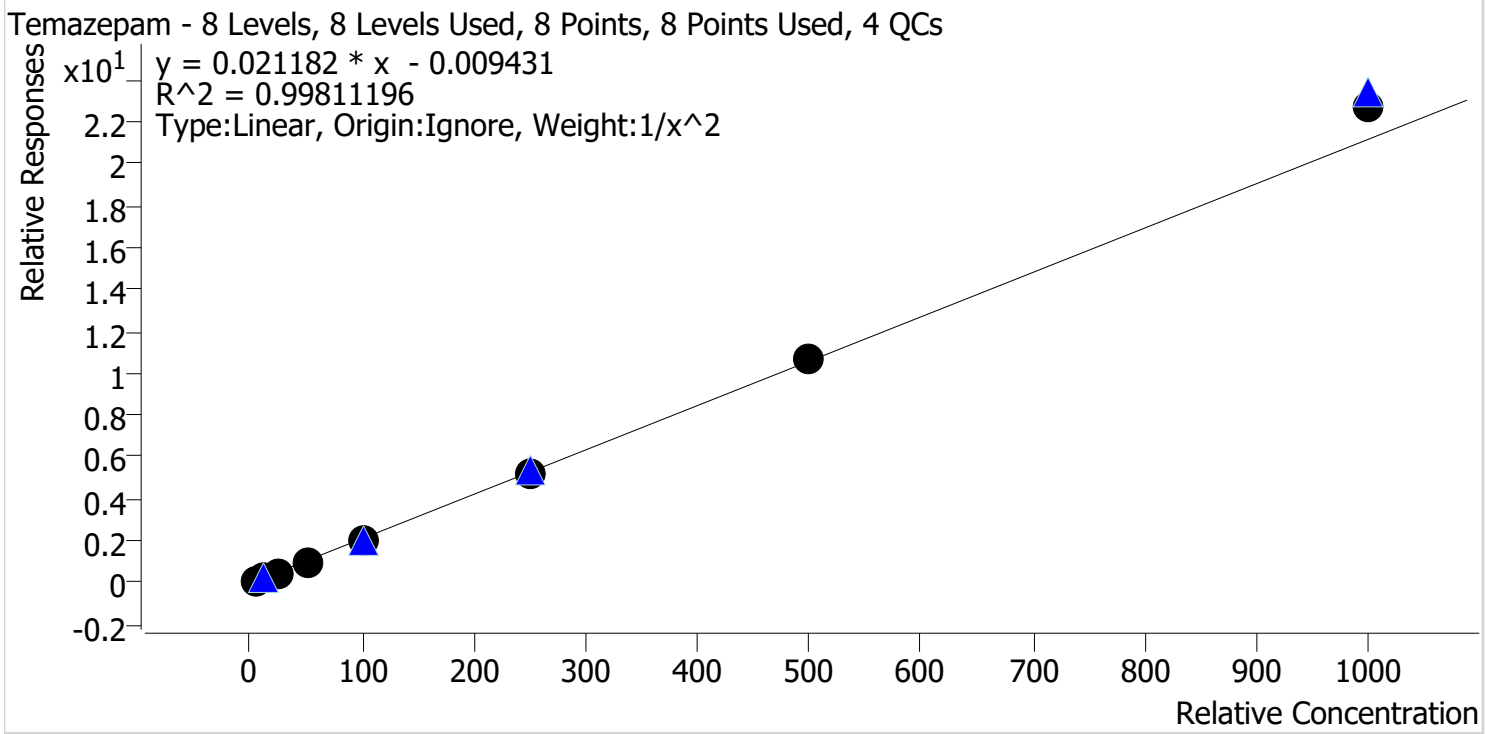
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1020.6	102.1

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



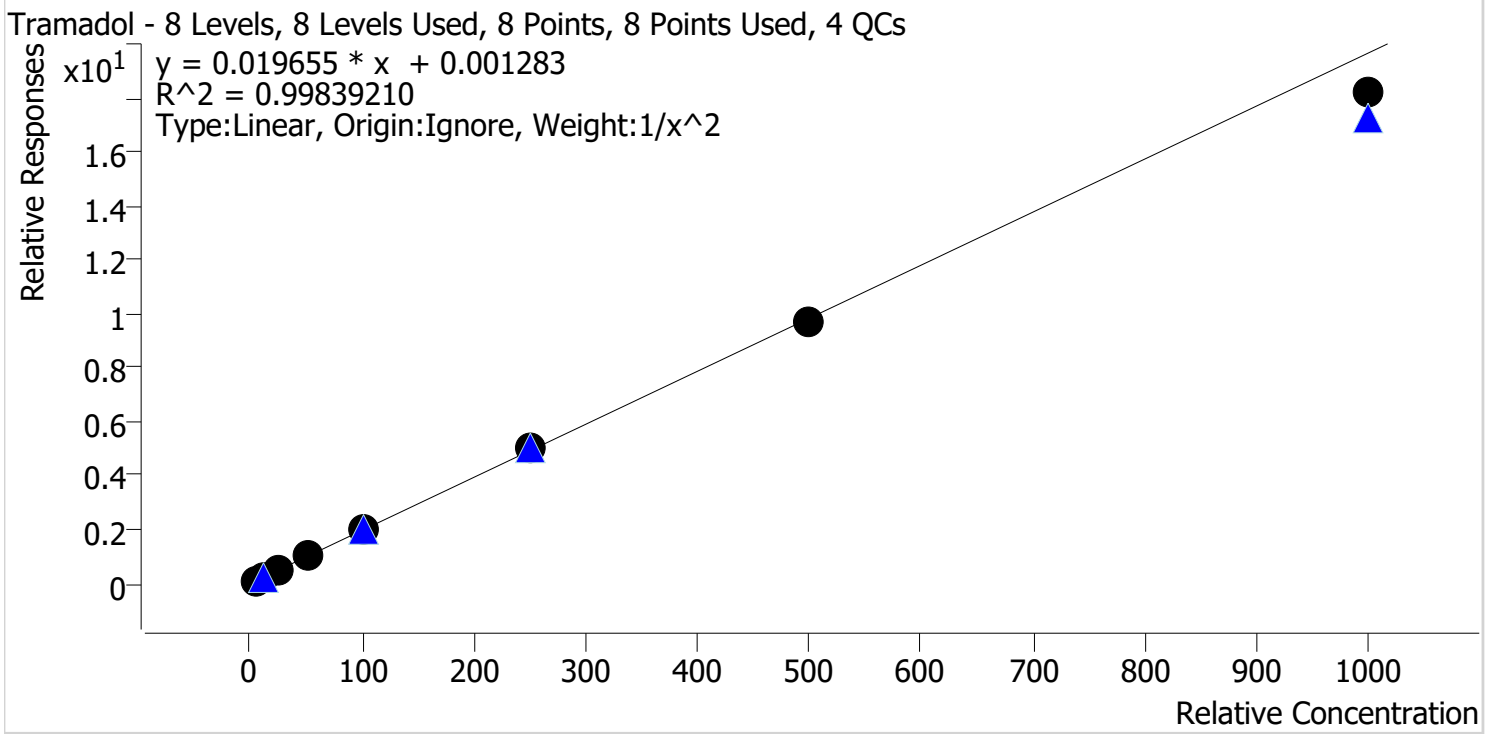
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	506.2	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1074.8	107.5

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	494.4	98.9
p1 Cal 8-1000ng	8	✓	1000.0	925.5	92.5

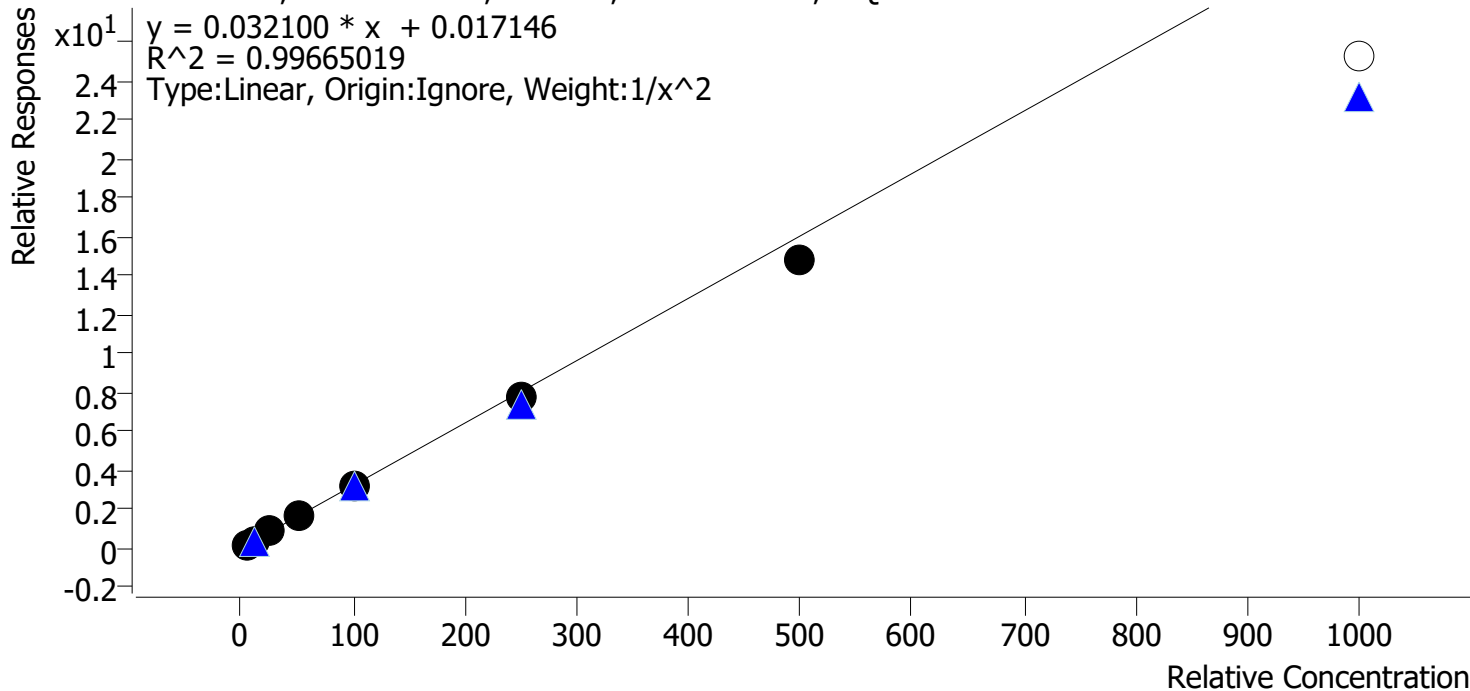
SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



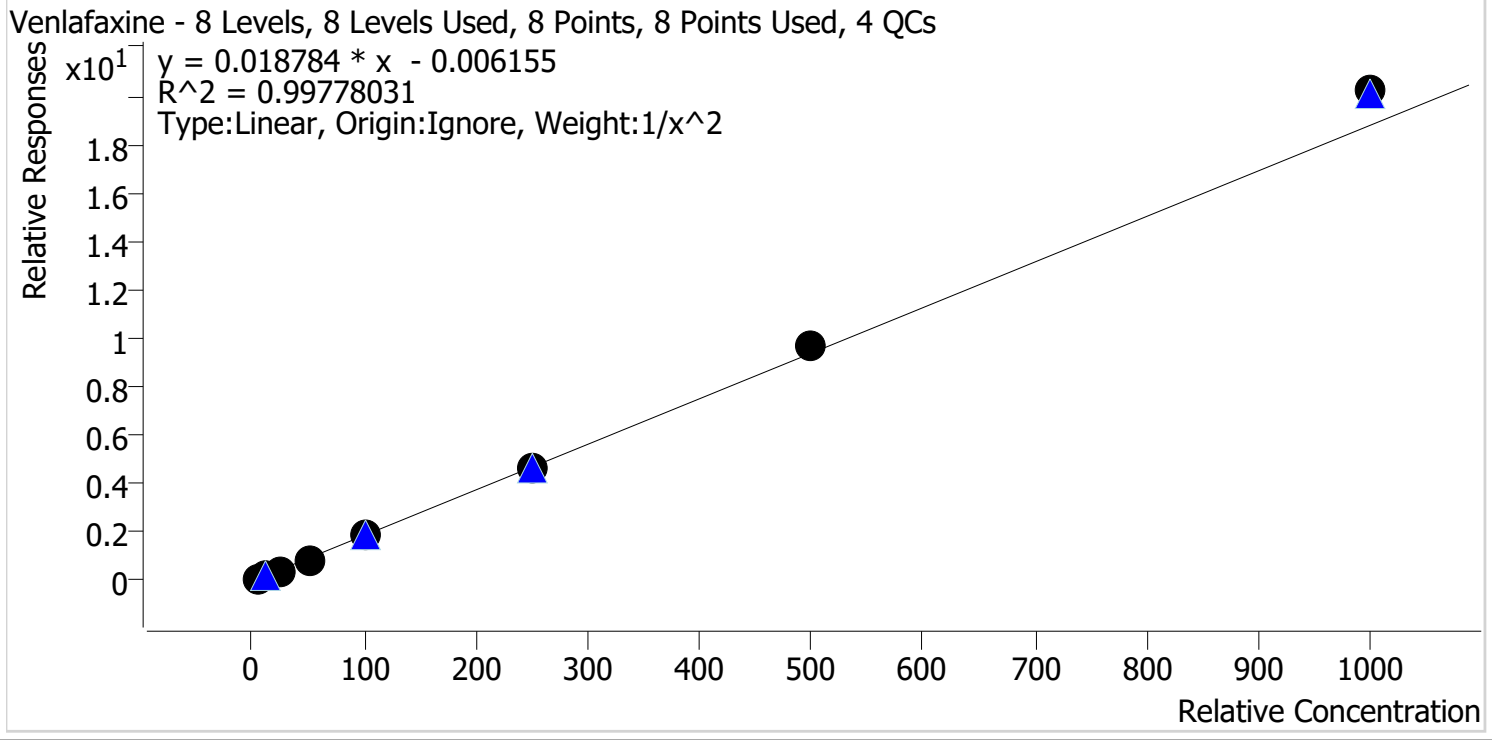
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	241.6	96.6
p1 Cal 7-500ng	7	✓	500.0	463.7	92.7
p1 Cal 8-1000ng	8	✗	1000.0	787.4	78.7

SC



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	517.3	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1076.2	107.6



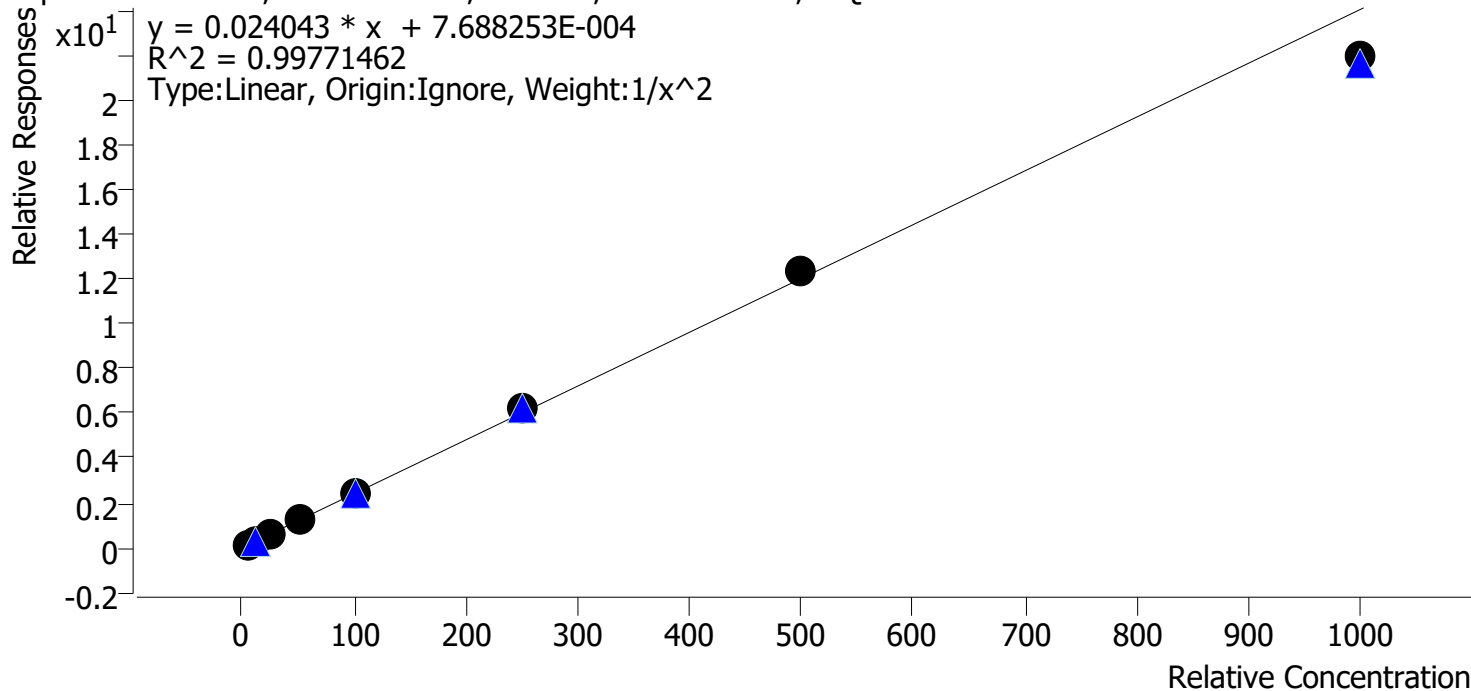
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/31/2023 6:44 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 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	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	515.2	103.0
p1 Cal 8-1000ng	8	✓	1000.0	912.5	91.2

SC



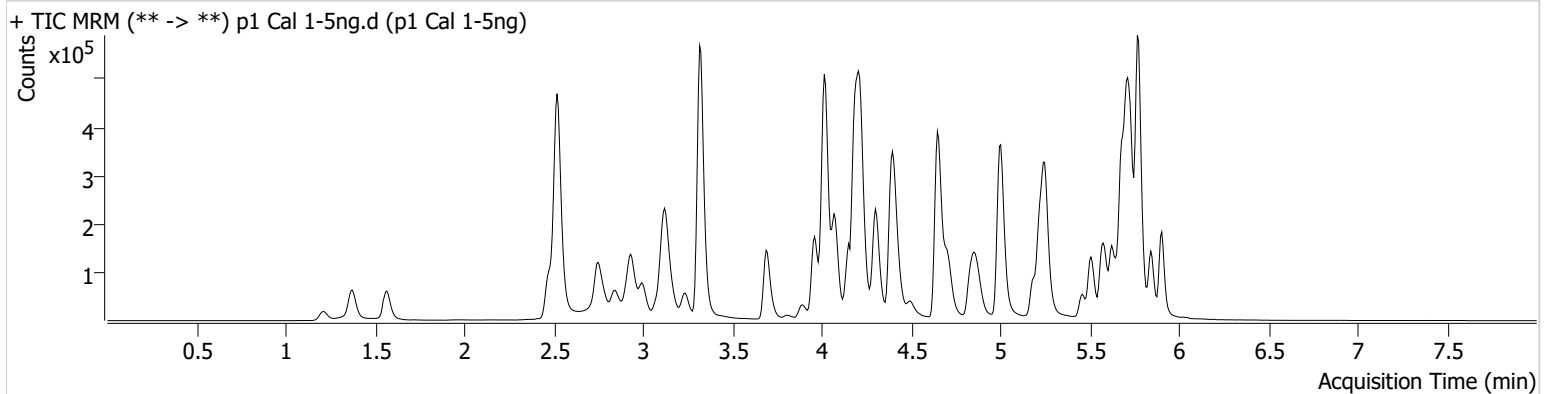
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**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** Sarah Collins  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/30/2023 10:28:41 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.
6-MAM	3.092	1205	4969.56	79.8	1285.40	69833	0.5095 ng/ml
7-aminoclonazepam	4.163	30417	394.76	83.3	289.29	230407	4.3955 ng/ml
a-hydroxyalprazolam	5.655	13604	153.29	74.1	2979.72	118818	4.9118 ng/ml
alpha-PHP	4.874	11656	231.76	283.3	769.51	484593	5.0739 ng/ml
alpha-PVP	4.309	62799	1227.56	44.9	163.92	484593	5.0722 ng/ml
Alprazolam	5.733	46457	805.88	116.1	288.72	417880	5.2281 ng/ml
Amphetamine	2.995	63478	2004.19	49.0	817.52	172398	4.8348 ng/ml
Benzoylcegonine	3.831	2822	65.53	7.9	6.43	15834	5.1072 ng/ml
Bromazolam	5.771	17946	884.41	122.2	20095.49	182376	4.9736 ng/ml
Bupropion	4.717	40020	461.91	67.9	233.60	250137	5.1020 ng/ml
Carisoprodol	5.687	56598	221.63	50.5	118.61	496237	5.0478 ng/ml
Citalopram	5.186	19093	458.21	37.0	521.76	183079	5.0885 ng/ml
Clonazepam	5.575	62421	1798.68	35.7	26787.25	154437	4.9089 ng/ml
Clonazolam	5.518	41572	41380.67	30.0	10796.42	154437	5.0726 ng/ml
Cocaine	4.217	45224	82.38	53.1	171.71	779948	5.0753 ng/ml
Codeine	2.519	6795	339.76	105.3	221.78	78216	4.8416 ng/ml
Cyclobenzaprine	5.591	13372	15676.46	9.2	41.45	119945	5.0494 ng/ml
Dextromethorphan	5.229	11638	481.87	86.1	1366.27	103118	5.0420 ng/ml
Dextrorphan	4.077	16763	517.97	208.3	1543.00	401566	5.1217 ng/ml
Diazepam	5.905	30676	505.23	93.2	167.82	305552	5.0296 ng/ml
Dihydrocodeine	2.504	19215	120.36	56.1	314.45	211116	4.8746 ng/ml
Diphenhydramine	5.250	56867	2622.51	26.8	151.11	576697	5.0854 ng/ml
Doxylamine	4.416	104221	2706.46	103.7	959.03	941503	5.1519 ng/ml
Duloxetine	5.624	1856	30.66	14.5	123.21	20509	5.0621 ng/ml
EDDP	5.222	32277	278.73	44.4	183.02	366576	5.0566 ng/ml
Etizolam	5.778	19670	24572.14	26.5	3614.18	154437	4.9895 ng/ml
Fentanyl	5.028	1470	60.20	88.9	17.75	149100	0.5232 ng/ml
Fluorofentanyl	5.074	3700	53.15	38.5	1485.52	1626	0.4995 ng/ml
Fluoxetine	5.678	18382	735.19	6.5	1505.59	129462	5.0919 ng/ml
Hydrocodone	2.965	28342	334.08	30.4	55.44	290559	4.9407 ng/ml
Hydromorphone	1.575	26441	1880.18	71.2	533.65	154865	5.0708 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.661	15225	706.35	63.8	1916.78	103118	5.0546 ng/ml
Ketamine	3.975	49128	254.33	38.7	207.43	392031	4.9025 ng/ml
Lamotrigine	4.206	4382	65.16	91.4	544.41	1190819	4.8431 ng/ml
Lorazepam	5.711	49097	294.84	48.3	54.91	623204	4.7494 ng/ml
MDA	3.150	54650	539.01	29.6	74.82	348146	4.9615 ng/ml
MDMA	3.244	34083	1094.02	86.2	590.84	80713	5.0518 ng/ml
Meprobamate	4.855	26813	192.98	31.2	259.08	235660	4.7564 ng/ml
Methadone	5.630	32816	239.17	41.3	162.59	221313	5.1256 ng/ml
Methamphetamine	3.171	34923	121.45	41.8	166.94	346976	4.9699 ng/ml
Metoprolol	4.287	9934	1484.48	105.5	346.07	961588	4.7591 ng/ml
Mirtazapine	4.498	44698	703.87	47.0	443.03	484593	4.8592 ng/ml
Mitragynine	5.156	4839	152.12	35.0	1994.04	221313	4.8897 ng/ml
Morphine	1.220	4604	587.65	37.6	173.34	25736	4.8648 ng/ml
Norbuprenorphine	4.951	118	56.92	78.7 <b>Low</b>	107.67	5922	0.6280 ng/ml
Nordiazepam	5.851	32141	373.36	61.0	731.26	221484	4.9603 ng/ml
Norfentanyl	4.037	9832	123.64	37.8	59.18	769316	0.5134 ng/ml
Norhydrocodone	3.026	4242	67.19	33.7	38.62	80713	5.3405 ng/ml
Noroxycodone	2.862	26372	386.72	47.0	444.49	157963	4.0284 ng/ml
O-desmethyl-tramadol	3.324	117211	1214.47	5.4	161.19	1372736	5.1651 ng/ml
o-desmethylvenlafaxine	4.022	97227	11322.76	29.7	252.60	294642	5.2122 ng/ml
Olanzapine	3.979	7047	60.05	57.4	75.67	29836	4.9031 ng/ml
Oxazepam	5.713	57400	125.38	74.3	509.82	623204	4.9339 ng/ml
Oxycodone	2.781	52387	791.58	26.7	631.77	396955	4.9693 ng/ml
Oxymorphone	1.371	27976	234.34	43.6	182.31	175282	5.0437 ng/ml
Phentermine	3.726	12925	89.12	7.4	8.67 <b>Low</b>	393174	4.9175 ng/ml
Promethazine	5.508	25313	248.41	28.4	76.33	234761	5.1209 ng/ml
Pseudoephedrine	2.528	114810	2912.91	16.2	1147.67	1190819	5.2410 ng/ml
Quetiapine	5.462	31002	87385.22	50.8	26821.69	81045	4.9266 ng/ml
Sertraline	5.747	6360	100.49	96.8	89.58	64151	5.0240 ng/ml
Temazepam	5.781	89783	1452.64	27.7	41.55	902021	5.1443 ng/ml
Tramadol	4.199	95008	204.23	3.4	54.01	961588	4.9616 ng/ml
Trazodone	4.883	38462	1308.24	52.4	490.24	221151	4.8839 ng/ml
Venlafaxine	5.002	70780	627.15	35.0	165.27	786762	5.1169 ng/ml
Xylazine	4.030	22423	32663.28	42.7	63.96	165964	5.0323 ng/ml
Zolpidem	4.667	119783	1404.05	29.2	405.88	978609	5.0589 ng/ml

SC



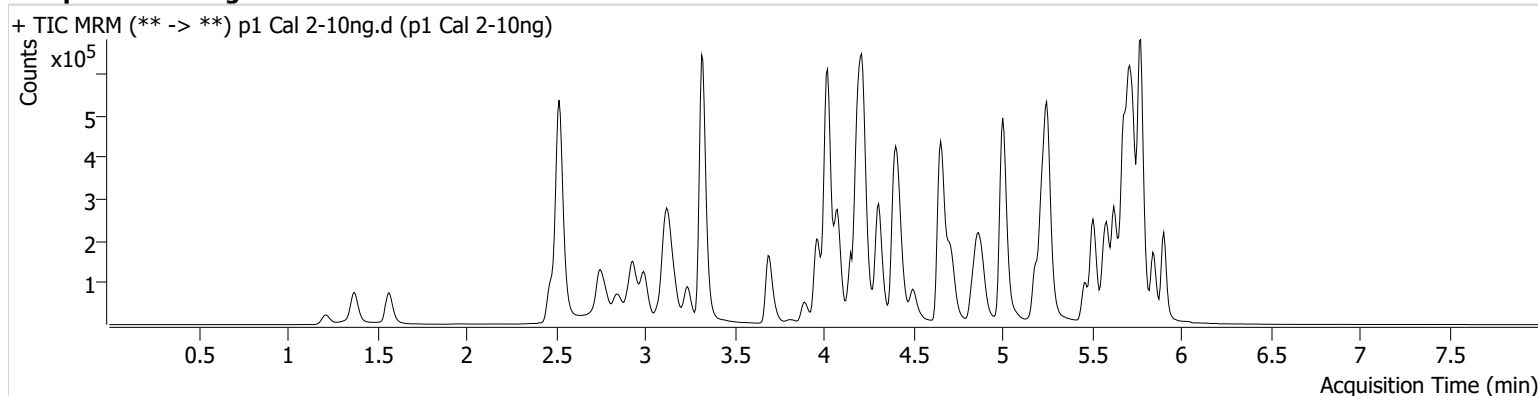
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**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** Sarah Collins  
**Sample Position** P2-B1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/30/2023 10:39:28 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.
6-MAM	3.085	2446	278.52	73.9	308.55	72256	0.9703 ng/ml
7-aminoclonazepam	4.170	61813	562.69	81.1	246.57	243819	9.6546 ng/ml
a-hydroxyalprazolam	5.655	28083	394.78	69.0	1198.41	117120	10.3184 ng/ml
alpha-PHP	4.881	25492	589.92	283.0	710.26	522243	9.8777 ng/ml
alpha-PVP	4.316	134276	414.06	45.6	594.52	522243	9.8117 ng/ml
Alprazolam	5.733	89345	378.30	123.6	809.19	418250	9.3686 ng/ml
Amphetamine	2.995	146534	245.30	49.4	1730.38	197639	10.2949 ng/ml
Benzoylcegonine	3.837	5180	110.29	7.2	31.05	15582	9.8484 ng/ml
Bromazolam	5.771	35829	563.79	119.4	160.18	190772	9.7896 ng/ml
Buprenorphine	5.571	1287	168.30	19.5 <b>High</b>	307.83	50492	0.4436 ng/ml
Bupropion	4.724	91656	4194.03	67.3	1573.59	294234	9.7043 ng/ml
Carisoprodol	5.687	109887	110709.96	51.9	254.79	498493	9.8785 ng/ml
Citalopram	5.186	58242	665.75	38.4	121.30	277973	9.7711 ng/ml
Clonazepam	5.575	128291	2241.32	34.6	76837.68	162135	10.0365 ng/ml
Clonazolam	5.518	78148	117531.13	29.9	28277.40	162135	9.4278 ng/ml
Cocaine	4.217	96236	5896.88	55.2	971.05	844710	9.8099 ng/ml
Codeine	2.512	13356	116.50	114.4	157.85	81235	9.9898 ng/ml
Cyclobenzaprine	5.591	50841	38822.99	9.3	80.00	218887	9.9626 ng/ml
Dextromethorphan	5.229	36726	13081.90	83.6	1215.09	165964	9.9364 ng/ml
Dextrorphan	4.077	37598	24742.40	212.5	213987.39	465329	9.6708 ng/ml
Diazepam	5.905	60679	1620.29	90.0	390.88	315667	9.6951 ng/ml
Dihydrocodeine	2.504	38554	726.77	58.0	510.99	218132	9.9950 ng/ml
Diphenhydramine	5.257	166131	32438.86	27.4	601.64	859457	9.7205 ng/ml
Doxylamine	4.423	227583	2246.63	102.4	2145.71	1049774	9.6131 ng/ml
Duloxetine	5.617	6649	7778.69	13.5	882.60	37320	9.8018 ng/ml
EDDP	5.222	81459	834.05	43.2	245.80	465607	9.8088 ng/ml
Etizolam	5.778	39966	3554.10	26.9	10858.23	162135	9.8905 ng/ml
Fentanyl	5.021	4724	71.44	77.6	3176.08	268902	0.9399 ng/ml
Fluorofentanyl	5.074	13279	734.75	40.0	7570.38	2812	1.0059 ng/ml
Fluoxetine	5.678	60411	1557.67	8.9	87.61	223739	9.6574 ng/ml
Hydrocodone	2.958	58549	119.38	28.7	53.91	318628	9.8946 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	53100	1453.58	71.9	1112.82	158604	9.7834 ng/ml
Hydroxyzine	5.661	49556	650.68	71.3	1130.02	165964	9.8405 ng/ml
Ketamine	3.975	100873	1496.19	39.8	226.57	410356	10.0965 ng/ml
Lamotrigine	4.213	9714	193.56	81.9	2817.75	1239735	10.3544 ng/ml
Lorazepam	5.711	97854	1976.48	46.5	164.55	635333	10.3424 ng/ml
MDA	3.150	124032	791.23	30.2	139.90	401478	9.9657 ng/ml
MDMA	3.244	77302	724.91	85.7	849.58	93772	9.8134 ng/ml
Meprobamate	4.861	52534	9551.47	31.1	398.62	232989	10.4233 ng/ml
Methadone	5.630	101732	18378.77	42.1	138.86	363380	9.7392 ng/ml
Methamphetamine	3.171	82854	490.18	41.2	681.48	418620	9.9691 ng/ml
Metoprolol	4.287	22853	22790.47	94.6	309.88	995902	10.6217 ng/ml
Mirtazapine	4.498	122458	3997.69	46.2	1786.11	522243	11.0308 ng/ml
Mitragynine	5.156	17203	15449.10	33.6	9253.03	363380	10.2358 ng/ml
Morphine	1.220	9616	224.59	35.2	344.28	25659	10.2701 ng/ml
Norbuprenorphine	4.957	213	325.06	141.4 <b>High</b>	6867.17	8414	0.9023 ng/ml
Nordiazepam	5.851	65310	497.74	62.2	4501.56	225220	10.0813 ng/ml
Norfentanyl	4.043	20855	275.71	35.3	107.33	837922	0.9763 ng/ml
Norhydrocodone	3.019	9136	108.13	35.3	87.73	89604	9.2711 ng/ml
Noroxycodone	2.862	55159	886.25	44.4	1190.30	165914	9.5215 ng/ml
O-desmethyl-tramadol	3.324	237618	1046.89	5.7	276.94	1451240	9.5580 ng/ml
o-desmethylvenlafaxine	4.029	199013	7769.44	28.9	410.47	308164	9.5351 ng/ml
Olanzapine	3.979	25488	436.80	53.8	339.09	55896	10.1360 ng/ml
Oxazepam	5.713	115008	420.21	77.8	591.65	635333	10.0153 ng/ml
Oxycodone	2.774	107779	1158.57	28.7	410.11	412937	9.9436 ng/ml
Oxymorphone	1.378	55310	495.82	45.2	550.41	181923	9.7600 ng/ml
Phentermine	3.726	30159	920.87	6.9	55.33	450303	10.1073 ng/ml
Promethazine	5.508	87083	2776.54	30.8	152.37	408135	9.7276 ng/ml
Pseudoephedrine	2.528	236711	447.14	16.4	135.20	1239735	9.5284 ng/ml
Quetiapine	5.462	90984	186330.70	51.0	56509.37	114930	10.2176 ng/ml
Sertraline	5.747	22542	136.19	106.1	22548.36	107359	10.0571 ng/ml
Temazepam	5.781	176768	3244.46	29.5	114.65	910946	9.6062 ng/ml
Tramadol	4.206	196763	323.31	3.3	50.12	995902	9.9867 ng/ml
Trazodone	4.890	123837	7220.50	51.7	127750.93	362428	10.1104 ng/ml
Venlafaxine	5.002	157169	1762.54	36.5	706.14	885820	9.7731 ng/ml
Xylazine	4.030	56243	2576.06	43.6	240.06	211044	9.8613 ng/ml
Zolpidem	4.667	238466	2599.41	30.2	782.72	1027696	9.6190 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

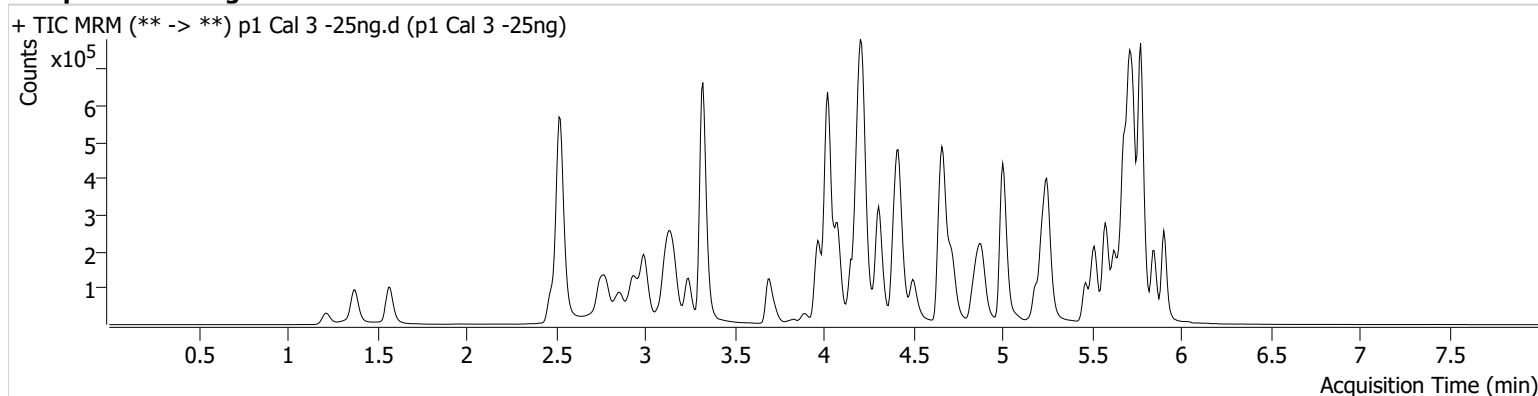
**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-C1  
**Injection Volume** 2  
**Acq. Date-Time** 8/30/2023 10:50:05 PM  
**Sample Info.**

**Data File** p1 Cal 3 -25ng.d  
**Sample** p1 Cal 3 -25ng  
**Operator** Sarah Collins  
**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.
6-MAM	3.085	5450	18299.48	74.4	2770.42	61586	2.4886 ng/ml
7-aminoclonazepam	4.170	134438	867.50	82.7	3011.29	214742	25.7786 ng/ml
a-hydroxyalprazolam	5.655	58237	309.19	72.7	599.66	103251	24.3113 ng/ml
alpha-PHP	4.881	47695	1120.84	266.8	2013.06	395005	23.8337 ng/ml
alpha-PVP	4.316	261710	748.50	45.8	632.95	395005	24.8798 ng/ml
Alprazolam	5.733	202093	879.95	118.2	837.70	353624	23.8329 ng/ml
Amphetamine	2.995	269863	793.94	49.3	258.76	145282	26.6228 ng/ml
Benzoylcegonine	3.837	11049	189.53	8.8	194.79	14098	23.7243 ng/ml
Bromazolam	5.771	79078	119529.17	116.3	111802.18	160332	26.2396 ng/ml
Buprenorphine	5.578	2131	1104.17	13.1	546.87	26220	2.5893 ng/ml
Bupropion	4.724	164674	8755.65	67.9	266.70	205242	24.6133 ng/ml
Carisoprodol	5.687	234911	996475.52	54.4	80.68	438534	24.1928 ng/ml
Citalopram	5.186	80174	2577.19	39.0	12389.39	148370	24.4917 ng/ml
Clonazepam	5.575	269773	3502.02	34.6	76422.76	134923	26.0412 ng/ml
Clonazolam	5.518	173072	376772.89	30.4	68393.44	134923	25.8153 ng/ml
Cocaine	4.217	193783	6869.08	54.6	6830.97	673800	24.5077 ng/ml
Codeine	2.519	29727	3032.24	114.7	925.05	69322	27.5475 ng/ml
Cyclobenzaprine	5.591	56134	51479.87	9.0	389.63	96108	24.2733 ng/ml
Dextromethorphan	5.229	45457	30272.64	87.9	23038.69	83186	24.6141 ng/ml
Dextrorphan	4.077	70727	1047.36	213.6	9761.72	339195	24.5481 ng/ml
Diazepam	5.905	131473	3560.71	92.4	381.80	255758	26.0462 ng/ml
Dihydrocodeine	2.504	88161	789.48	56.1	226.50	188746	27.3363 ng/ml
Diphenhydramine	5.257	234526	171.42	27.1	390.09	466703	24.8568 ng/ml
Doxylamine	4.423	452835	5203.26	103.5	6648.82	815589	23.8441 ng/ml
Duloxetine	5.624	7245	287.84	13.7	566.52	15622	25.2431 ng/ml
EDDP	5.228	134455	∞	42.9	93673.21	297145	24.9862 ng/ml
Etizolam	5.778	85262	692.63	24.4	2255.80	134923	25.7470 ng/ml
Fentanyl	5.021	5365	62.33	88.2	14371.13	123378	2.3406 ng/ml
Fluorofentanyl	5.074	16556	487.52	37.9	1212.89	1435	2.4174 ng/ml
Fluoxetine	5.678	68695	∞	7.6	3820.69	100828	24.3257 ng/ml
Hydrocodone	2.965	125925	∞	28.7	99.63	273022	25.8390 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	117299	21335.44	73.0	468420.06	137517	24.6677 ng/ml
Hydroxyzine	5.661	63478	1101.17	69.9	947.91	83186	24.5666 ng/ml
Ketamine	3.975	206479	815.22	39.9	519.34	334538	26.1043 ng/ml
Lamotrigine	4.213	19927	464.92	85.0	1014.39	1000928	26.3633 ng/ml
Lorazepam	5.711	200782	1970.39	48.5	379.88	514537	27.9008 ng/ml
MDA	3.150	228185	812.30	29.8	900.80	290209	25.6849 ng/ml
MDMA	3.244	143990	3468.16	85.5	1098.85	68341	25.0023 ng/ml
Meprobamate	4.861	116294	843.98	31.7	956.09	208393	27.2955 ng/ml
Methadone	5.630	124004	426.06	43.1	393.24	182141	23.7838 ng/ml
Methamphetamine	3.171	160473	415.24	42.0	1354.06	322733	25.3515 ng/ml
Metoprolol	4.287	46235	2377.80	97.5	527.64	822713	26.0734 ng/ml
Mirtazapine	4.498	191481	615.48	47.3	6429.70	395005	21.8892 ng/ml
Mitragynine	5.156	22303	21035.97	30.9	3699.57	182141	25.9963 ng/ml
Morphine	1.220	20848	1228.20	34.6	1100.70	21894	26.2058 ng/ml
Norbuprenorphine	4.957	255	193.49	93.5	282.99	4684	2.3933 ng/ml
Nordiazepam	5.851	134940	1146.18	63.6	1071.48	187041	25.3336 ng/ml
Norfentanyl	4.043	40746	33965.92	36.0	199.72	665169	2.3668 ng/ml
Norhydrocodone	3.026	18291	274.39	37.7	120.89	72183	21.3175 ng/ml
Noroxycodone	2.862	115692	239.16	46.0	507.00	136933	26.5288 ng/ml
O-desmethyl-tramadol	3.324	518416	913.46	5.4	384.26	1217620	24.2493 ng/ml
o-desmethylvenlafaxine	4.029	423671	20252.28	28.6	1253.11	254292	23.5005 ng/ml
Olanzapine	3.979	30146	260.78	56.4	227.75	26816	26.0427 ng/ml
Oxazepam	5.713	237155	667.65	77.7	274.77	514537	26.0107 ng/ml
Oxycodone	2.781	232715	1455.46	27.6	788.96	346052	25.8065 ng/ml
Oxymorphone	1.378	120262	998.10	45.5	455.32	153583	25.4024 ng/ml
Phentermine	3.726	58199	356.99	6.0	266.98	337417	26.1654 ng/ml
Promethazine	5.508	101956	674.92	30.6	133.63	187669	24.1273 ng/ml
Pseudoephedrine	2.535	490459	9892.00	16.7	17215.93	1000928	23.0937 ng/ml
Quetiapine	5.462	137191	21402.13	52.1	44804.96	70011	25.3221 ng/ml
Sertraline	5.747	24978	224.43	104.2	84.54	48107	24.1015 ng/ml
Temazepam	5.781	370229	4925.18	28.5	509.96	737053	24.1591 ng/ml
Tramadol	4.206	413989	549.85	3.3	340.44	822713	25.5362 ng/ml
Trazodone	4.890	170789	2918.96	51.8	393.29	192946	27.0412 ng/ml
Venlafaxine	5.002	300406	1771.80	36.1	281.84	673068	24.0879 ng/ml
Xylazine	4.030	99281	187931.97	44.2	446.67	146830	24.9178 ng/ml
Zolpidem	4.667	541077	3182.27	29.0	1077.40	879225	25.5637 ng/ml

SC



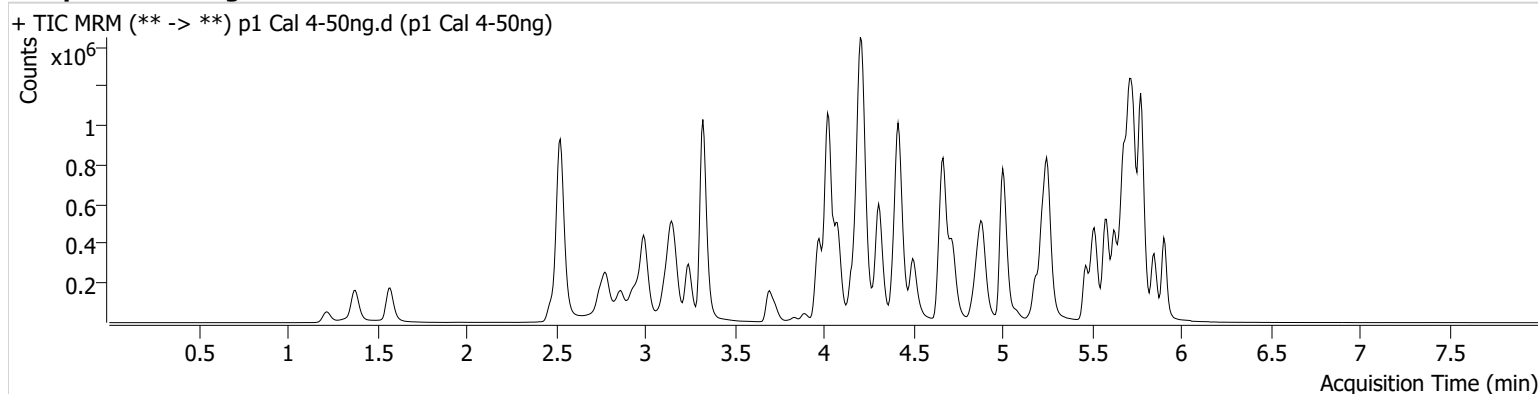
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng.d  
**Type** Cal **Sample** p1 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/30/2023 11:00:42 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.
6-MAM	3.085	12893	448.53	74.9	28479.59	73445	4.9074 ng/ml
7-aminoclonazepam	4.170	301188	318.46	81.9	1625.45	245024	51.8855 ng/ml
a-hydroxyalprazolam	5.655	134709	221.02	70.9	631.40	107690	53.9520 ng/ml
alpha-PHP	4.881	127720	2578.29	267.1	9089.08	499138	50.0525 ng/ml
alpha-PVP	4.316	644709	36346.91	46.8	815.14	499138	48.2601 ng/ml
Alprazolam	5.733	449150	3773.14	117.1	911.19	390853	47.1804 ng/ml
Amphetamine	2.995	712889	1027.45	48.9	4635.28	195132	52.8957 ng/ml
Benzoylcegonine	3.837	25067	1689.88	8.4	1964.47	15659	48.8480 ng/ml
Bromazolam	5.771	166172	8817.32	120.6	242049.29	169491	52.4826 ng/ml
Buprenorphine	5.578	5367	163.03	15.4	750.87	40415	4.5716 ng/ml
Bupropion	4.724	442751	3886.43	66.9	10143.86	276182	48.9369 ng/ml
Carisoprodol	5.687	517554	621.49	52.5	383.10	460840	50.8653 ng/ml
Citalopram	5.186	247227	416.43	37.9	27675.92	225551	49.2194 ng/ml
Clonazepam	5.575	594623	25424.28	35.2	432.87	146364	53.3714 ng/ml
Clonazolam	5.518	382106	576096.46	31.1	121120.43	146364	52.9911 ng/ml
Cocaine	4.217	482733	1019.39	53.9	25872.38	828461	49.4815 ng/ml
Codeine	2.519	67612	362.50	109.5	715.19	79522	55.5291 ng/ml
Cyclobenzaprine	5.591	187128	185895.61	8.4	468.22	158231	48.6208 ng/ml
Dextromethorphan	5.229	147675	764.99	83.8	162206.89	135824	49.0256 ng/ml
Dextrorphan	4.084	179010	2416.40	214.9	3139.57	438997	47.7584 ng/ml
Diazepam	5.911	287337	792.42	93.4	532.31	289465	50.3618 ng/ml
Dihydrocodeine	2.504	195248	1082.88	58.1	1574.21	215762	53.4869 ng/ml
Diphenhydramine	5.257	715604	651.64	27.8	556.10	720179	48.8977 ng/ml
Doxylamine	4.416	1187380	66876.30	101.6	4282.97	1030541	48.9463 ng/ml
Duloxetine	5.624	22838	3913.75	14.0	3304.41	25773	48.0772 ng/ml
EDDP	5.228	367184	5392.58	43.5	2530.66	406337	49.6577 ng/ml
Etizolam	5.778	182461	24844.52	26.7	62816.15	146364	51.0349 ng/ml
Fentanyl	5.028	17474	120.33	82.3	860.47	197886	4.7634 ng/ml
Fluorofentanyl	5.074	53121	899.99	37.5	1327.84	2041	5.4158 ng/ml
Fluoxetine	5.678	223041	1324.43	7.9	1211.86	152234	52.2789 ng/ml
Hydrocodone	2.965	293510	∞	30.2	559.74	311325	53.5104 ng/ml



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	254682	473328.50	71.0	4408.58	148309	49.4935 ng/ml
Hydroxyzine	5.661	207988	1663.22	70.9	220917.69	135824	48.9226 ng/ml
Ketamine	3.975	496624	11845.30	39.4	7792.82	408350	51.9214 ng/ml
Lamotrigine	4.213	45518	2209.34	87.2	1458.78	1180248	51.1049 ng/ml
Lorazepam	5.711	406430	18154.25	47.6	830.77	542071	54.6290 ng/ml
MDA	3.150	600309	932.91	29.5	1227.05	380805	51.7049 ng/ml
MDMA	3.244	371874	5297.05	88.7	4138.06	89967	49.0013 ng/ml
Meprobamate	4.861	254392	6223.53	30.3	1230.18	232933	54.3903 ng/ml
Methadone	5.630	408491	575.80	41.9	1255.77	294387	48.5469 ng/ml
Methamphetamine	3.171	372217	1897.63	41.7	1186.21	372776	51.1135 ng/ml
Metoprolol	4.287	113969	195510.72	98.9	6784.00	1010139	52.3871 ng/ml
Mirtazapine	4.498	543205	1703.08	46.9	21323.71	499138	48.0745 ng/ml
Mitragynine	5.156	68634	95612.16	30.8	34182.03	294387	49.2239 ng/ml
Morphine	1.220	44558	309.43	35.5	634.98	23820	51.5503 ng/ml
Norbuprenorphine	4.951	676	1046.02	107.8	413.93	6985	4.5548 ng/ml
Nordiazepam	5.851	303977	3109.59	63.7	1529.65	214137	50.0113 ng/ml
Norfentanyl	4.043	96531	856.49	35.7	143.64	771612	4.8078 ng/ml
Norhydrocodone	3.026	45148	∞	34.4	373.62	76426	48.1544 ng/ml
Noroxycodone	2.862	266543	227.35	47.7	10359.25	162546	52.9123 ng/ml
O-desmethyl-tramadol	3.324	1215939	43183.17	5.7	5055.29	1444744	47.5660 ng/ml
o-desmethylvenlafaxine	4.029	1020409	55254.58	28.3	2885.01	301870	46.9645 ng/ml
Olanzapine	3.979	97476	915.05	55.4	1436.08	43528	52.5917 ng/ml
Oxazepam	5.713	490958	445.14	77.8	219.47	542071	51.4304 ng/ml
Oxycodone	2.781	551696	4494.88	28.6	698.98	421064	50.3924 ng/ml
Oxymorphone	1.378	279771	6135.46	44.3	∞	183103	49.7277 ng/ml
Phentermine	3.733	141633	928.92	6.5	179.55	422538	50.9288 ng/ml
Promethazine	5.508	335085	2666.12	30.6	2075.99	304786	48.4012 ng/ml
Pseudoephedrine	2.535	1175273	12973.52	16.5	12874.46	1180248	46.0352 ng/ml
Quetiapine	5.462	407515	19196.90	51.5	187216.49	102751	51.2717 ng/ml
Sertraline	5.747	79975	1962.89	97.2	73762.04	74239	49.4453 ng/ml
Temazepam	5.781	782772	1537.24	28.3	469.87	763011	48.8776 ng/ml
Tramadol	4.206	1017072	∞	3.3	303.48	1010139	51.1612 ng/ml
Trazodone	4.890	500255	1811.35	53.1	2034.60	302795	50.9342 ng/ml
Venlafaxine	5.002	780297	963.60	36.4	967.20	873424	47.8871 ng/ml
Xylazine	4.030	260915	2838.14	46.0	1155.51	191107	50.2451 ng/ml
Zolpidem	4.667	1245421	1869043.78	29.1	2018.37	1024564	50.5253 ng/ml

SC



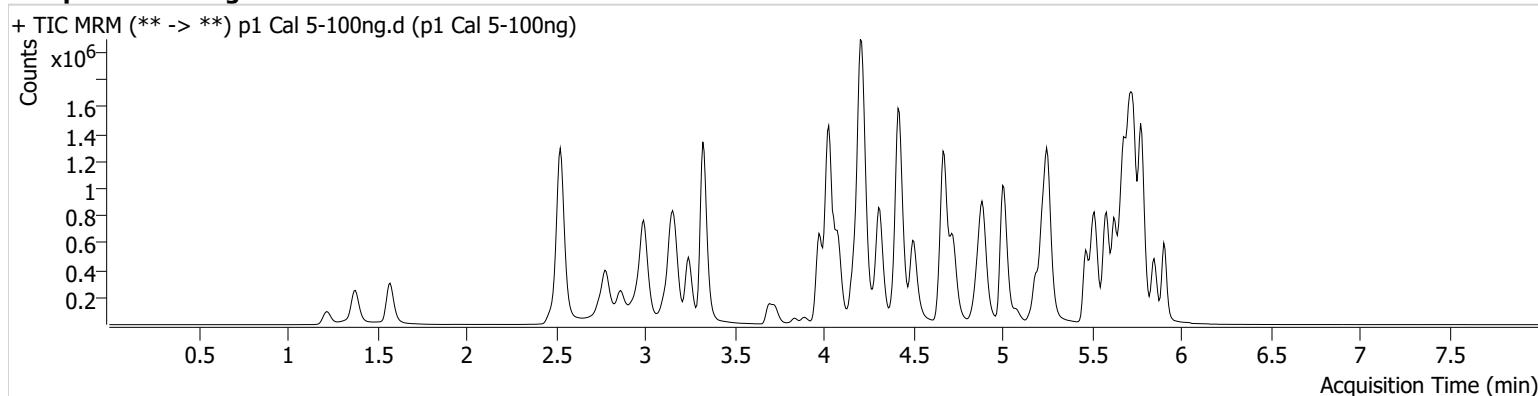
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901) **Data File** p1 Cal 5-100ng.d  
**Type** Cal **Sample** p1 Cal 5-100ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-E1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/30/2023 11:11:18 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.
6-MAM	3.085	22590	3802.50	76.4	560.10	65248	9.6496 ng/ml
7-aminoclonazepam	4.170	560858	524.71	80.7	623.17	220806	108.6218 ng/ml
a-hydroxyalprazolam	5.662	211737	468.77	77.2	781.57	93196	98.0147 ng/ml
alpha-PHP	4.881	220999	1549.75	265.1	8532.58	424899	101.3201 ng/ml
alpha-PVP	4.316	1118355	892.71	47.1	602.71	424899	98.0765 ng/ml
Alprazolam	5.733	789239	∞	116.0	926.02	325908	98.6114 ng/ml
Amphetamine	2.995	1315088	1196.60	49.7	516.56	185806	102.9931 ng/ml
Benzoylcegonine	3.837	50947	2961.93	7.9	160.59	16393	95.1898 ng/ml
Bromazolam	5.771	268910	6056.96	122.5	20169.31	140237	102.9592 ng/ml
Buprenorphine	5.578	11233	10911.18	15.2	116.75	40178	10.2184 ng/ml
Bupropion	4.724	800017	1674.24	67.5	947.28	246429	98.8532 ng/ml
Carisoprodol	5.687	872689	1512.89	53.5	661.17	384790	102.8531 ng/ml
Citalopram	5.186	493325	1172.40	37.8	736.44	225372	97.8454 ng/ml
Clonazepam	5.575	1005256	164819.85	35.0	776.47	127636	103.8862 ng/ml
Clonazolam	5.518	651380	496368.02	31.5	231174.95	127636	104.0062 ng/ml
Cocaine	4.224	831127	67239.19	54.0	1032.72	715412	98.4880 ng/ml
Codeine	2.512	116489	528.33	108.7	7276.00	70630	108.5866 ng/ml
Cyclobenzaprine	5.591	416961	526002.51	8.2	1147.47	168858	100.9594 ng/ml
Dextromethorphan	5.229	291635	485.34	81.4	152.12	132446	99.3416 ng/ml
Dextrorphan	4.084	308018	832.92	211.2	1724.93	360293	99.8441 ng/ml
Diazepam	5.905	479886	∞	90.8	9292.54	242074	100.6476 ng/ml
Dihydrocodeine	2.504	344900	583.37	59.1	982.07	196886	104.0672 ng/ml
Diphenhydramine	5.257	1440869	34190.42	28.4	654.08	706986	100.0209 ng/ml
Doxylamine	4.423	2085490	3517.74	100.9	1419.86	895680	98.4049 ng/ml
Duloxetine	5.624	50802	6154.52	14.2	393.19	28226	97.4752 ng/ml
EDDP	5.228	684025	1198.48	42.8	6700.68	380318	98.5964 ng/ml
Etizolam	5.778	311796	5899.41	27.1	1664.11	127636	100.2472 ng/ml
Fentanyl	5.028	36951	17168.14	84.0	33661.70	202436	9.8571 ng/ml
Fluorofentanyl	5.074	115022	∞	38.1	2390.27	2530	9.4390 ng/ml
Fluoxetine	5.678	455026	10322.77	8.0	364.43	164295	98.7997 ng/ml
Hydrocodone	2.965	519439	468.98	30.9	118.62	272094	109.0347 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	503088	3210205.40	70.9	3967.40	144555	100.1345 ng/ml
Hydroxyzine	5.661	446092	2115.52	72.9	4314.89	132446	107.1575 ng/ml
Ketamine	3.975	877640	11478.53	39.3	1189.90	360444	104.4513 ng/ml
Lamotrigine	4.213	79393	6995.19	86.9	819.57	1007693	104.4391 ng/ml
Lorazepam	5.711	607263	11232.23	48.3	736.27	418318	106.8067 ng/ml
MDA	3.150	1032463	6770.04	29.6	616.68	328666	103.2401 ng/ml
MDMA	3.244	661993	6889.28	86.8	5141.34	77516	101.1859 ng/ml
Meprobamate	4.861	441082	11936.05	30.1	5238.92	207046	107.0624 ng/ml
Methadone	5.630	834583	1289.14	42.1	11534.58	290598	100.5531 ng/ml
Methamphetamine	3.171	785767	2271.56	40.6	551.75	380680	105.8789 ng/ml
Metoprolol	4.287	195938	159269.26	101.7	3580.17	837908	108.6219 ng/ml
Mirtazapine	4.505	1090071	2479.59	46.6	10840.26	424899	112.1651 ng/ml
Mitragynine	5.156	152230	145700.95	32.0	44.83	290598	110.2257 ng/ml
Morphine	1.220	89548	2595.17	36.2	6135.51	23945	103.1348 ng/ml
Norbuprenorphine	4.957	1515	728.22	97.9	3226.24	7227	10.3161 ng/ml
Nordiazepam	5.851	499045	37370.24	64.0	10192.13	172286	102.2252 ng/ml
Norfentanyl	4.043	173366	15576.29	35.7	455.55	677307	9.8111 ng/ml
Norhydrocodone	3.026	76300	161.17	35.3	128.13	63148	97.2818 ng/ml
Noroxycodone	2.862	473106	971.35	47.0	1682.24	142930	108.3478 ng/ml
O-desmethyl-tramadol	3.324	2175530	79393.38	5.6	4304.34	1246823	98.2081 ng/ml
o-desmethylvenlafaxine	4.029	1738610	49104.64	28.5	1950.62	251296	95.3961 ng/ml
Olanzapine	3.979	218603	715.16	57.5	2417.88	51581	100.1721 ng/ml
Oxazepam	5.713	764211	665.91	75.5	475.61	418318	104.0733 ng/ml
Oxycodone	2.781	985904	19118.03	28.2	1171.29	365820	103.7779 ng/ml
Oxymorphone	1.378	510938	∞	42.9	653.93	163906	101.6280 ng/ml
Phentermine	3.733	260355	1328.28	6.4	79.44	389423	101.6659 ng/ml
Promethazine	5.508	737781	18036.54	30.5	15754.33	328811	98.3504 ng/ml
Pseudoephedrine	2.535	2078167	1853.85	16.6	89855.47	1007693	94.4108 ng/ml
Quetiapine	5.462	818474	877812.79	52.8	76695.93	108066	97.9310 ng/ml
Sertraline	5.747	161465	1675.70	97.5	159630.02	73330	100.5204 ng/ml
Temazepam	5.781	1193607	23031.58	28.4	589.00	571441	99.0552 ng/ml
Tramadol	4.206	1715312	∞	3.5	345.69	837908	104.0874 ng/ml
Trazodone	4.890	987736	5033.24	56.6	385299.96	300639	101.8171 ng/ml
Venlafaxine	5.002	1366852	2773.15	35.6	823.60	744911	98.0108 ng/ml
Xylazine	4.030	466980	5614.48	46.4	1008.29	169614	101.2552 ng/ml
Zolpidem	4.674	2270521	4546.78	28.7	6157.37	918421	102.7911 ng/ml

SC



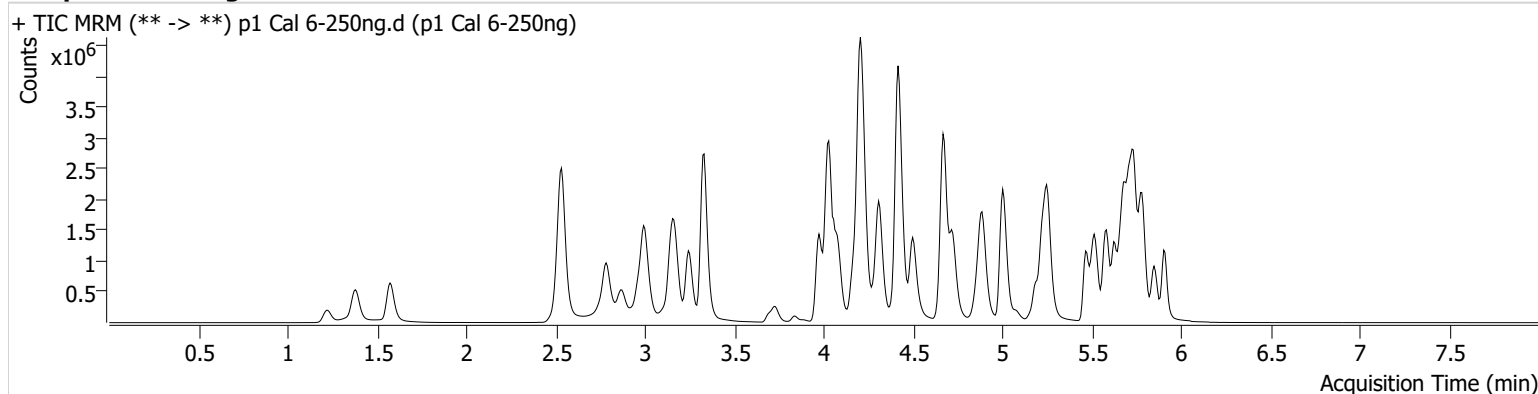
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901) **Data File** p1 Cal 6-250ng.d  
**Type** Cal **Sample** p1 Cal 6-250ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-F1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/30/2023 11:21:55 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.
6-MAM	3.085	62877	577.67	73.8	2021.84	69883	25.0294 ng/ml
7-aminoclonazepam	4.170	1270510	830.24	80.4	24281.63	210015	260.5254 ng/ml
a-hydroxyalprazolam	5.655	485141	962.04	70.7	765.81	81066	258.2263 ng/ml
alpha-PHP	4.881	555443	4263.48	263.2	6140.54	434135	248.6385 ng/ml
alpha-PVP	4.309	2916123	8442.01	47.7	9745.89	434135	249.8975 ng/ml
Alprazolam	5.733	1841027	∞	111.6	4337.37	284651	262.1397 ng/ml
Amphetamine	3.002	2792991	30216.27	49.1	53430.43	171403	237.8361 ng/ml
Benzoylcegonine	3.837	125578	9014.42	7.6	17622.56	15064	255.9593 ng/ml
Bromazolam	5.771	519920	1895.36	123.8	748926.69	109940	254.4017 ng/ml
Buprenorphine	5.578	20683	23200.43	14.8	203.11	30676	25.4002 ng/ml
Bupropion	4.724	1908087	1076.48	67.9	1588.09	235274	246.5858 ng/ml
Carisoprodol	5.687	1789986	587.48	53.2	8121.41	327145	248.3222 ng/ml
Citalopram	5.186	1000800	1257.00	37.2	786.43	178067	250.5267 ng/ml
Clonazepam	5.575	2186151	53853.91	34.1	14558.91	114747	251.9313 ng/ml
Clonazolam	5.518	1409527	2689580.91	32.2	496305.04	114747	250.9529 ng/ml
Cocaine	4.217	2093859	34333.76	54.6	3315.67	714144	248.3052 ng/ml
Codeine	2.519	240559	10601.82	105.7	743.97	69796	227.9296 ng/ml
Cyclobenzaprine	5.591	687748	31561.04	8.1	1160.40	113444	247.1200 ng/ml
Dextromethorphan	5.229	553495	13874.86	80.7	7221.41	101264	246.6757 ng/ml
Dextrorphan	4.077	741643	∞	215.9	2128.77	350088	247.0287 ng/ml
Diazepam	5.905	1155292	8135.29	91.4	6518.76	234980	249.7221 ng/ml
Dihydrocodeine	2.504	818834	3986.39	61.4	∞	207508	235.1252 ng/ml
Diphenhydramine	5.257	2847317	938.33	28.3	789.60	558388	249.8630 ng/ml
Doxylamine	4.416	5833976	22543.09	98.0	156852.35	969357	253.5682 ng/ml
Duloxetine	5.624	78259	117514.19	13.0	180.37	16555	255.7465 ng/ml
EDDP	5.228	1733036	928.81	44.2	1527.14	393141	241.3045 ng/ml
Etizolam	5.778	683427	5633.09	26.7	3239.62	114747	244.7730 ng/ml
Fentanyl	5.028	62091	13051.98	81.9	4965.50	127872	26.2383 ng/ml
Fluorofentanyl	5.074	190577	5708.40	36.9	10493.70	1694	23.3197 ng/ml
Fluoxetine	5.678	679568	43441.50	7.9	74865.68	96197	251.9644 ng/ml
Hydrocodone	2.965	1266412	∞	32.8	∞	293070	247.6445 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	1184241	22007.54	71.8	8833859.05	136157	250.0008 ng/ml
Hydroxyzine	5.661	747275	17625.98	76.9	10340.66	101264	234.3360 ng/ml
Ketamine	3.975	2240356	35803.90	38.8	1398.02	375105	256.9366 ng/ml
Lamotrigine	4.213	168068	1686.86	87.1	799.89	930453	239.4881 ng/ml
Lorazepam	5.711	894357	22670.16	48.6	1205.25	284440	232.6299 ng/ml
MDA	3.150	2276003	6027.55	28.9	4185.15	307426	243.5925 ng/ml
MDMA	3.244	1655074	17243.66	88.0	12119.68	77867	251.7648 ng/ml
Meprobamate	4.861	901746	596.01	28.9	5644.90	195647	232.8130 ng/ml
Methadone	5.630	1589981	5076.52	42.1	3909.07	225841	246.5959 ng/ml
Methamphetamine	3.171	1629405	20400.97	41.1	694.32	333504	250.8903 ng/ml
Metoprolol	4.287	487264	847672.22	97.9	5278.22	875155	258.6845 ng/ml
Mirtazapine	4.498	2395964	3534.91	45.7	4830.57	434135	240.3058 ng/ml
Mitragynine	5.156	255309	248.54	32.0	34069.83	225841	237.5194 ng/ml
Morphine	1.227	201072	1673.10	37.4	1268.14	22362	248.0723 ng/ml
Norbuprenorphine	4.957	2769	1663.16	93.7	4880.71	4949	28.1778 ng/ml
Nordiazepam	5.851	1110913	9825.14	63.4	4889.92	154741	253.6141 ng/ml
Norfentanyl	4.043	393067	783.32	36.8	638.36	603218	24.9383 ng/ml
Norhydrocodone	3.026	169064	962.27	37.7	50.15	50488	267.5507 ng/ml
Noroxycodone	2.869	1114245	2224.74	47.5	3153.36	138742	265.0380 ng/ml
O-desmethyl-tramadol	3.331	5786383	155293.46	5.6	1005.64	1293829	251.1292 ng/ml
o-desmethylvenlafaxine	4.029	4484197	64916.98	27.7	6173.61	242387	253.9230 ng/ml
Olanzapine	3.979	340603	924.51	58.4	1022.82	32821	246.3304 ng/ml
Oxazepam	5.713	1247753	497.60	74.9	271.24	284440	250.3650 ng/ml
Oxycodone	2.781	2621959	4579.02	28.3	1733.12	397313	254.2869 ng/ml
Oxymorphone	1.378	1242026	∞	43.5	∞	164811	245.9277 ng/ml
Phentermine	3.733	608407	889.50	6.1	188.91	374648	247.0685 ng/ml
Promethazine	5.508	1256722	9851.87	31.0	575.46	220766	248.8804 ng/ml
Pseudoephedrine	2.535	5115176	52389.74	16.0	25867.61	930453	250.2269 ng/ml
Quetiapine	5.462	1800332	2147308.51	56.3	614.33	93862	248.0410 ng/ml
Sertraline	5.747	205764	543.92	95.9	914.41	36850	254.1110 ng/ml
Temazepam	5.781	2065150	94316.07	27.8	244.43	395067	247.2266 ng/ml
Tramadol	4.199	4340664	∞	3.6	261.63	875155	252.2800 ng/ml
Trazodone	4.890	1882032	10567.62	59.0	2979.46	242184	241.5577 ng/ml
Venlafaxine	5.002	3680188	102204.60	34.6	1470.65	794858	246.8084 ng/ml
Xylazine	4.030	1043997	13158.55	48.6	3388.29	153059	250.7554 ng/ml
Zolpidem	4.667	6145018	97375.15	27.5	4478.08	999759	255.6116 ng/ml

SC



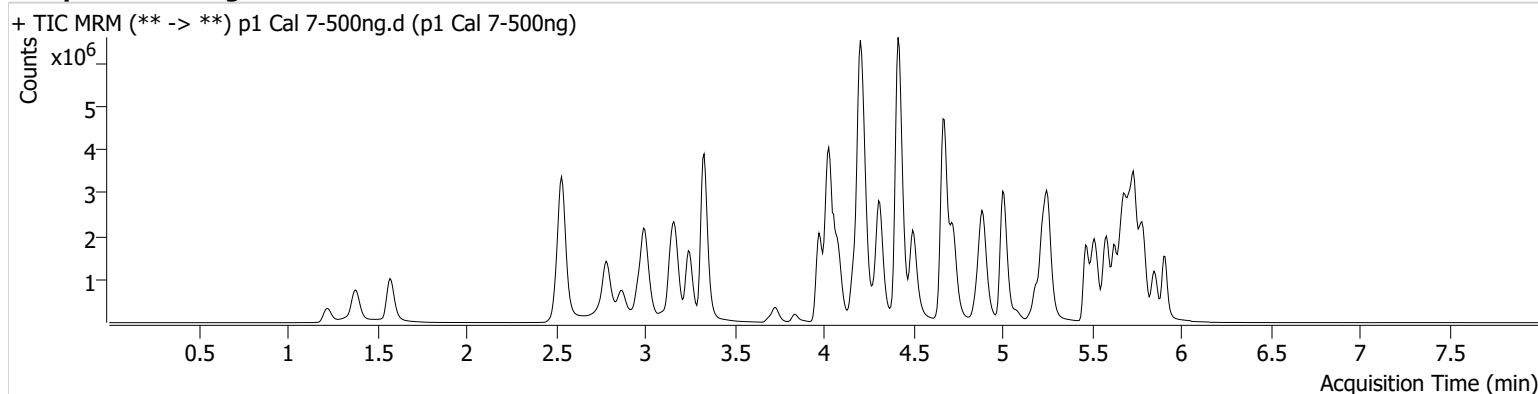
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**Instrument** Falco (069901) **Data File** p1 Cal 7-500ng.d  
**Type** Cal **Sample** p1 Cal 7-500ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-G1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/30/2023 11:32:32 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.
6-MAM	3.092	103725	2731.06	72.6	33237.58	57197	50.4169 ng/ml
7-aminoclonazepam	4.170	1891051	3701.17	79.8	634.94	170358	479.1387 ng/ml
a-hydroxyalprazolam	5.662	662228	676.74	74.0	1116.07	56583	505.0300 ng/ml
alpha-PHP	4.881	806637	6862.26	264.0	139728.59	324226	483.1020 ng/ml
alpha-PVP	4.316	4412237	200674.78	48.3	37734.78	324226	506.0191 ng/ml
Alprazolam	5.739	2632147	1332.42	111.7	5875.16	203910	522.4549 ng/ml
Amphetamine	3.002	4056912	86197.81	47.9	43758.93	131811	449.7231 ng/ml
Benzoylcegonine	3.837	234861	2045.89	7.9	26121.17	14093	512.0738 ng/ml
Bromazolam	5.771	669540	55.72	127.1	4271.56	76747	469.5820 ng/ml
Buprenorphine	5.578	30510	757.43	14.0	6321.98	22558	51.4924 ng/ml
Bupropion	4.724	3029975	151843.49	67.0	22523.99	180787	509.3254 ng/ml
Carisoprodol	5.687	2498972	134028.92	52.7	246.31	228403	496.6830 ng/ml
Citalopram	5.192	1399824	1888.39	38.2	666.54	122321	509.6413 ng/ml
Clonazepam	5.575	3025120	90177.91	34.4	14403.65	81351	492.1471 ng/ml
Clonazolam	5.518	1981707	5699.31	33.0	778773.69	81351	498.0912 ng/ml
Cocaine	4.224	3092146	90349.97	54.9	542.03	520252	503.1772 ng/ml
Codeine	2.519	345025	823.23	103.7	584.86	55573	411.3186 ng/ml
Cyclobenzaprine	5.598	961934	29056.90	7.9	11774.51	77494	505.4447 ng/ml
Dextromethorphan	5.229	770424	350.45	79.4	208.48	67430	515.6917 ng/ml
Dextrorphan	4.084	1070661	1397.52	216.1	6518.36	244023	511.3467 ng/ml
Diazepam	5.911	1657440	4070.65	90.4	988.08	165728	508.0449 ng/ml
Dihydrocodeine	2.504	1268248	20691.97	59.1	27500.69	171702	440.6032 ng/ml
Diphenhydramine	5.257	4074730	3485.05	28.4	580.56	395855	504.1254 ng/ml
Doxylamine	4.416	9558759	254291.55	96.6	178499.88	737762	545.3096 ng/ml
Duloxetine	5.624	107369	10448.44	13.3	581.46	11635	499.0759 ng/ml
EDDP	5.228	2778521	495.38	44.0	2045.19	297520	510.9442 ng/ml
Etizolam	5.778	973824	1070.97	27.1	165568.77	81351	492.2111 ng/ml
Fentanyl	5.028	87947	263.76	84.0	97652.53	87250	54.4781 ng/ml
Fluorofentanyl	5.074	281686	15363.71	36.6	1190.02	1124	51.9083 ng/ml
Fluoxetine	5.678	852853	27739.60	8.1	330.48	60581	502.0924 ng/ml
Hydrocodone	2.965	2008128	2756.16	31.5	∞	236102	488.0781 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	2012598	1818121.05	70.7	5208445.70	112945	512.0154 ng/ml
Hydroxyzine	5.661	1099840	7409.04	76.6	2119.14	67430	517.4975 ng/ml
Ketamine	3.975	3423048	4620.62	38.0	2281.79	298542	493.7115 ng/ml
Lamotrigine	4.220	226096	4164.12	88.5	16234.91	653871	458.4860 ng/ml
Lorazepam	5.711	957819	77009.11	46.6	4406.31	158836	447.1656 ng/ml
MDA	3.150	3124124	14659.38	28.2	1683.68	218130	471.4376 ng/ml
MDMA	3.244	2463796	19526.96	86.6	5627.66	56411	517.2768 ng/ml
Meprobamate	4.861	1242859	51579.39	28.3	7120.59	152503	412.4409 ng/ml
Methadone	5.630	2271742	1413.67	42.1	2111.27	155564	511.5776 ng/ml
Methamphetamine	3.171	2556877	5270.25	40.7	1596.72	265095	495.4923 ng/ml
Metoprolol	4.287	694023	22275.54	100.2	1781.93	665251	484.7431 ng/ml
Mirtazapine	4.498	3749291	209986.69	45.4	88895.94	324226	502.5736 ng/ml
Mitragynine	5.156	380366	233656.00	33.2	52873.33	155564	513.3728 ng/ml
Morphine	1.227	351180	1075.48	35.2	548.73	19794	489.5378 ng/ml
Norbuprenorphine	4.957	3819	5708.19	104.3	136.14	3850	50.2420 ng/ml
Nordiazepam	5.851	1539443	18497.20	63.6	58235.33	108054	503.4591 ng/ml
Norfentanyl	4.043	570070	11276.89	36.5	9577.95	430561	50.6464 ng/ml
Norhydrocodone	3.026	261622	629.21	38.8	967.03	36396	572.9938 ng/ml
Noroxycodone	2.869	1626249	6431.61	47.9	469.83	106455	505.5119 ng/ml
O-desmethyl-tramadol	3.331	9230382	2502.39	5.6	1162.23	988285	524.0392 ng/ml
o-desmethylvenlafaxine	4.029	6407235	303276.92	28.4	5108.55	172919	507.8763 ng/ml
Olanzapine	3.979	510924	1097.96	58.8	2617.40	26252	462.5920 ng/ml
Oxazepam	5.713	1374752	333.99	74.3	374.84	158836	494.3034 ng/ml
Oxycodone	2.781	4118773	2057.80	28.5	2307.22	323720	490.3731 ng/ml
Oxymorphone	1.378	1911236	∞	45.5	∞	122769	508.2070 ng/ml
Phentermine	3.733	894103	1252.78	5.9	1321.05	290820	467.8215 ng/ml
Promethazine	5.508	1781683	9431.15	31.4	29044.06	152928	508.9298 ng/ml
Pseudoephedrine	2.535	7613630	3567.46	15.8	57937.34	653871	529.0191 ng/ml
Quetiapine	5.462	2836225	53048.07	56.2	742.26	73916	496.2294 ng/ml
Sertraline	5.747	244519	8322.87	96.8	3466.41	22360	497.1578 ng/ml
Temazepam	5.788	2333669	23001.19	28.4	1355.74	217842	506.1883 ng/ml
Tramadol	4.206	6465989	∞	3.4	401.44	665251	494.4430 ng/ml
Trazodone	4.890	2826034	96221.99	61.5	8501.85	189633	463.7260 ng/ml
Venlafaxine	5.002	5729878	55671.12	33.8	1245.22	590078	517.2652 ng/ml
Xylazine	4.030	1530626	24135.36	49.7	5652.94	112672	499.3492 ng/ml
Zolpidem	4.674	10131979	61751.29	27.3	9735.44	817870	515.2168 ng/ml

SC



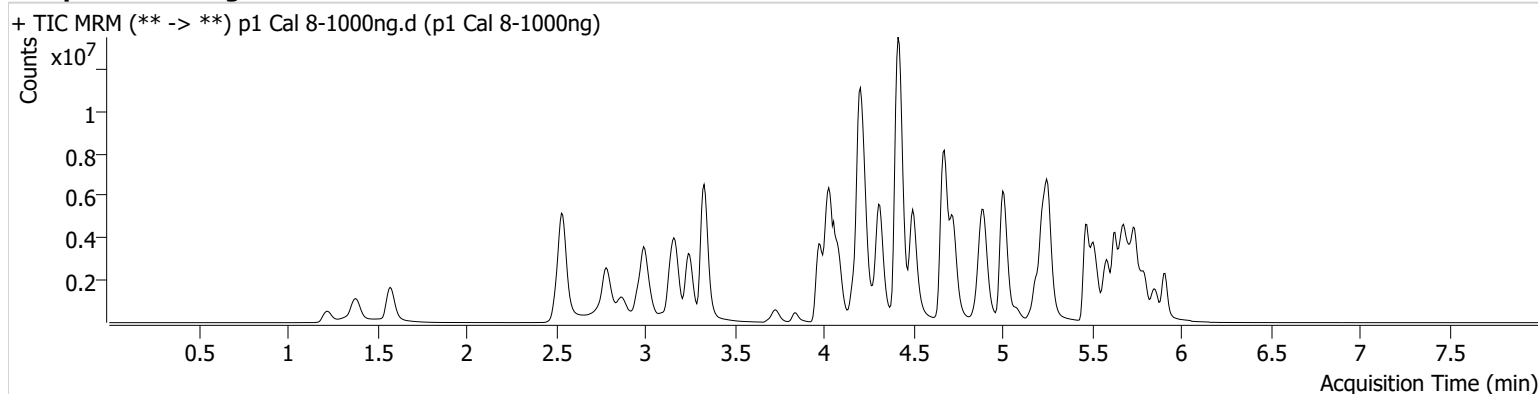
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\083023 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/31/2023 6:44:39 PM

**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** Sarah Collins  
**Sample Position** P2-H1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/30/2023 11:43:10 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.
6-MAM	3.092	237185	2450.53	69.4	9754.11	62226	105.9376 ng/ml
7-aminoclonazepam	4.170	2857390	548.83	79.8	302.63	152742	808.3817 ng/ml
a-hydroxyalprazolam	5.655	824946	542.54	73.0	1039.55	39068	911.1949 ng/ml
alpha-PHP	4.881	1853809	11054.13	266.6	237917.50	336556	1069.0912 ng/ml
alpha-PVP	4.316	9520612	109039.12	49.2	1026.51	336556	1051.5961 ng/ml
Alprazolam	5.739	3971052	2608.31	111.2	758.89	154284	1041.0185 ng/ml
Amphetamine	3.002	6818876	126643.48	47.3	2985.89	149328	667.4932 ng/ml
Benzoylcegonine	3.837	577427	7341.36	7.9	793.52	16621	1067.9072 ng/ml
Bromazolam	5.771	881898	337564.33	125.1	989916.04	50478	940.7302 ng/ml
Buprenorphine	5.578	71179	729.77	14.4	14303.05	27724	98.2282 ng/ml
Bupropion	4.724	7086667	3076.61	66.1	2868.57	204592	1052.3729 ng/ml
Carisoprodol	5.687	3296503	201549.79	52.3	305.51	149313	1002.3820 ng/ml
Citalopram	5.192	3496730	1255.83	37.4	1165.25	149483	1041.2831 ng/ml
Clonazepam	5.575	4156002	53337.33	34.5	24575.93	62915	874.6006 ng/ml
Clonazolam	5.525	2799584	2510091.64	35.0	1461759.92	62915	910.2173 ng/ml
Cocaine	4.224	6153000	1373.39	52.3	58985.75	496230	1049.5515 ng/ml
Codeine	2.519	514425	12023.25	102.9	381.35	52297	652.2346 ng/ml
Cyclobenzaprine	5.598	2198523	648.59	7.7	5292.10	85905	1041.5531 ng/ml
Dextromethorphan	5.236	1543503	1287.10	76.9	1738.03	68211	1021.3916 ng/ml
Dextrorphan	4.084	2208321	∞	219.3	1423.67	242224	1062.2423 ng/ml
Diazepam	5.911	2725036	789.81	92.1	23486.45	145110	954.0321 ng/ml
Dihydrocodeine	2.504	2196859	1681.72	60.6	15675.32	190253	689.1124 ng/ml
Diphenhydramine	5.257	9574424	50342.63	28.3	5051.48	454813	1030.7231 ng/ml
Doxylamine	4.416	21660638	334897.81	98.0	139528.43	923577	986.6854 ng/ml
Duloxetine	5.624	190028	1029.91	13.6	27626.23	9878	1040.2302 ng/ml
EDDP	5.228	7527409	1760.21	42.4	1094.19	395092	1042.1230 ng/ml
Etizolam	5.778	1524328	2899.92	27.1	369941.63	62915	996.4860 ng/ml
Fentanyl	5.028	195554	616.27	81.2	206.23	82100	128.7465 ng/ml
Fluorofentanyl	5.074	685106	15844.02	35.9	5240.67	1377	103.0156 ng/ml
Fluoxetine	5.685	1502543	35788.17	8.2	251.80	53735	997.2342 ng/ml
Hydrocodone	2.965	3777439	∞	33.6	3568.28	251750	861.5530 ng/ml



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	3739898	21363228.67	71.7	75514.81	106852	1005.5396 ng/ml
Hydroxyzine	5.661	2518061	56733.93	79.6	61539.47	68211	1170.7730 ng/ml
Ketamine	3.975	6231530	173225.50	37.9	11526.70	309420	867.5624 ng/ml
Lamotrigine	4.227	267962	6666.14	89.9	6833.66	528401	672.4282 ng/ml
Lorazepam	5.711	961867	31007.08	47.3	4572.62	78107	914.3419 ng/ml
MDA	3.150	5161083	26039.40	27.2	4553.88	218434	777.8687 ng/ml
MDMA	3.244	5077010	195397.76	88.3	6369.54	61687	974.7123 ng/ml
Meprobamate	4.855	1545224	32856.40	28.3	10595.54	139309	561.7121 ng/ml
Methadone	5.630	5996997	92084.30	40.9	765.33	197537	1063.5966 ng/ml
Methamphetamine	3.171	5215200	82313.98	39.2	1464.55	291448	919.4342 ng/ml
Metoprolol	4.287	1184297	2680583.23	100.4	36226.99	683706	804.8780 ng/ml
Mirtazapine	4.498	9806493	31459.96	44.0	6497.99	336556	1265.0490 ng/ml
Mitragynine	5.156	842321	618312.17	33.6	831.45	197537	895.0763 ng/ml
Morphine	1.227	629194	∞	35.9	∞	18912	918.0872 ng/ml
Norbuprenorphine	4.957	9134	72.83	98.2	390.81	4797	96.8160 ng/ml
Nordiazepam	5.858	2228093	123435.02	63.5	21037.80	83543	942.6156 ng/ml
Norfentanyl	4.050	900981	13909.25	37.2	694.56	314054	109.7118 ng/ml
Norhydrocodone	3.026	577205	276.43	39.1	∞	32556	1411.5847 ng/ml
Noroxycodone	2.869	2645469	∞	48.3	15994.82	90554	968.1113 ng/ml
O-desmethyl-tramadol	3.331	17627878	346109.70	5.6	29720.94	936980	1055.2091 ng/ml
o-desmethylvenlafaxine	4.029	11455545	116805.49	26.2	6934.30	137711	1139.3284 ng/ml
Olanzapine	3.979	1313786	1953.81	60.3	2812.56	42600	733.4510 ng/ml
Oxazepam	5.713	1246705	145.62	74.9	241.14	78107	911.8559 ng/ml
Oxycodone	2.781	8507231	1793.47	27.8	1196.94	350343	935.9922 ng/ml
Oxymorphone	1.378	3467049	∞	43.3	376.91	114550	988.2115 ng/ml
Phentermine	3.733	1749044	∞	5.8	160.00	340419	781.8727 ng/ml
Promethazine	5.508	4242139	58367.56	30.4	2192.93	172617	1073.0700 ng/ml
Pseudoephedrine	2.542	13403673	263431.86	15.4	77263.69	528401	1151.4531 ng/ml
Quetiapine	5.462	7624417	1083.03	57.7	100429.00	99532	990.6765 ng/ml
Sertraline	5.747	365357	394.67	94.9	331.65	16267	1020.5542 ng/ml
Temazepam	5.795	2628975	41212.38	27.2	258.21	115527	1074.7688 ng/ml
Tramadol	4.199	12437640	∞	3.5	303.03	683706	925.4702 ng/ml
Trazodone	4.897	6582831	139761.38	66.4	1688.65	260262	787.4174 ng/ml
Venlafaxine	5.002	13200715	235762.78	32.7	5628.84	653210	1076.1657 ng/ml
Xylazine	4.030	3342731	33115.54	50.5	4108.57	123916	991.5126 ng/ml
Zolpidem	4.675	19229302	11022.87	27.8	5645.98	876462	912.4781 ng/ml