

Worklist: 6504

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-2661	3	UCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3186	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3353	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3354	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3704	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2645	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0787	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2253	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2266	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2334	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2335	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2336	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2415	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2419	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2521	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2644	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2646	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2649	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2650	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2660	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2662	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

TS

Extraction Date: 09/18/2023

Plate lot#: 230707

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

Blank Blood Lot: Lampire 23A52594

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

Analyst: Tamara Salazar

Plate Retest Date: 01/07/2024

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot: POC021022

LCMS-QQQ ID: 069901

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. **Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.**
- 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: 42
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **200-450µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate. *Transferred: 250uL*
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). *(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
- 17. Reconstitute in 100µL 20% LC MeOH and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

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

## COMMENTS:

Urine QC and case samples P2023-2662-1 and P2023-2266-1 had the wrong well position specified and did not initially inject. The well position was corrected, and the samples were injected without issue.

Amphetamine 5-250 -- calibrators 7 & 8 dropped due to accuracy

Benzoylcegonine 10-1000 -- calibrator 1 dropped due to peak shape

Buprenorphine 0.5-50 -- calibrator 8 dropped due to accuracy

Clonazepam 5-500 -- calibrator 8 dropped due to accuracy

Codeine 5-250 -- calibrators 7 & 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 5-250 -- calibrators 7 & 8 dropped due to accuracy  
Methamphetamine 5-500 -- calibrator 8 dropped due to accuracy  
Metoprolol 5-500 -- calibrator 8 dropped due to accuracy  
Norbuprenorphine 2.5-100 -- calibrator 1 & 2 dropped due to poor peak shape/response  
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  
Morphine qualitative due to QC 100 accuracy out

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2023-3354-1	P2023-2415-1	P2023-2662-1							
B	IS + Cal. 2	IS + QC_2	M2023-3704-2	P2023-2419-1	Neg Urine							
C	IS + Cal. 3	IS + QC_3	P2021-2645-1	P2023-2521-1	M2023-2661-3							
D	IS + Cal. 4	IS + QC_4	P2023-0787-1	P2023-2644-1	P2023-2266-1							
E	IS + Cal. 5	IS + QC_2	P2023-2253-1	P2023-2646-1								
F	IS + Cal. 6	Neg Blood	P2023-2334-1	P2023-2649-4								
G	IS + Cal. 7	M2023-3186-1	P2023-2335-1	P2023-2650-3								
H	IS + Cal. 8	M2023-3353-1	P2023-2336-1	P2023-2660-1								

All wells to contain 60 µl of Trapping Solution

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# AM #28 Multi-Drug Quant. Results

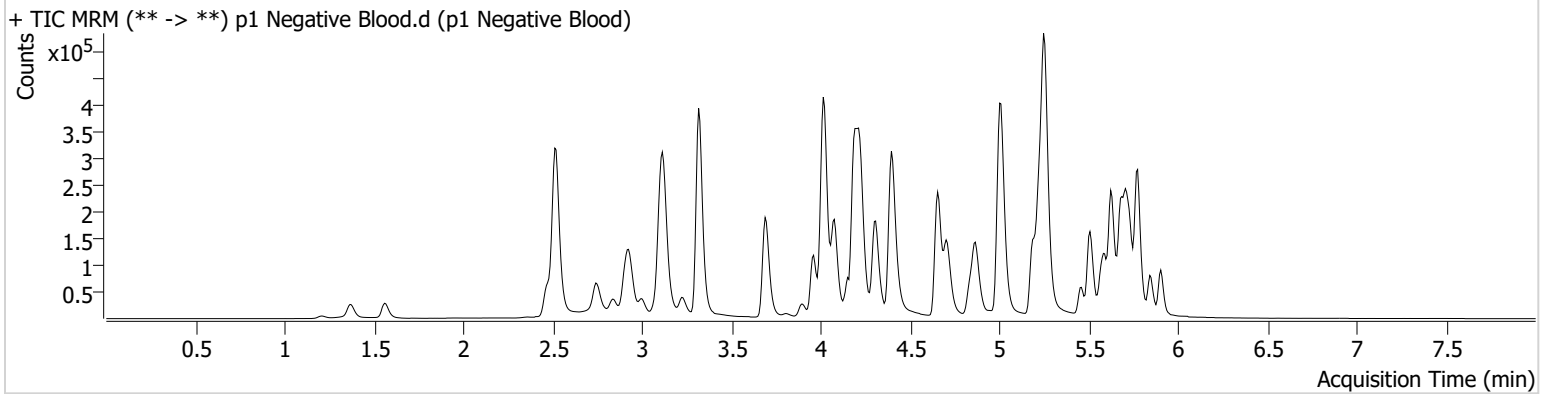
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**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-F2  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 2:40:17 AM  
**Sample Info.**

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

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



# AM #28 Multi-Drug Quant. Results

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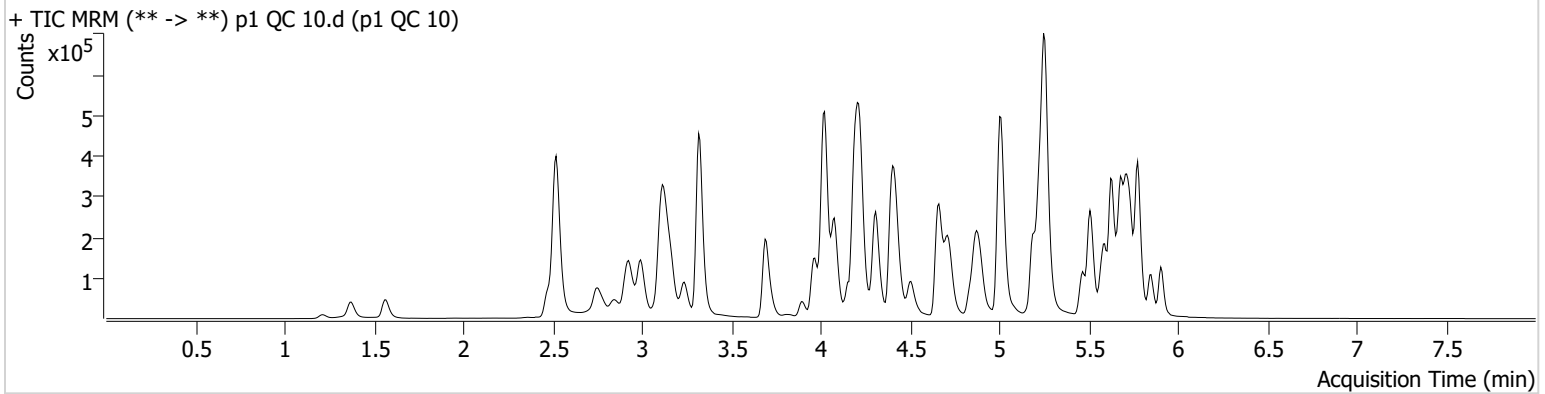
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**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-A2  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 1:36:32 AM  
**Sample Info.**

**Data File** p1 QC 10.d  
**Sample** p1 QC 10  
**Operator** Tamara Salazar

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	1724	2370.44	67.0	2735.72	48053	1.0924 ng/ml
7-aminoclonazepam	4.170	30736	278.91	73.6	147.92	121682	10.4968 ng/ml
a-hydroxyalprazolam	5.662	15397	226.74	70.2	217.15	59999	10.0120 ng/ml
alpha-PHP	4.881	32063	268.88	262.0	4758.51	480162	10.5337 ng/ml
alpha-PVP	4.316	122644	392.11	48.4	1521.34	480162	9.8645 ng/ml
Alprazolam	5.739	56733	1315.93	106.8	423.77	209328	10.0290 ng/ml
Amphetamine	2.995	205681	1284.63	48.3	2694.86	284764	10.4441 ng/ml
Benzoylcegonine	3.837	3509	253.97	7.3	29.91	11744	10.2682 ng/ml
Bromazolam	5.771	23297	4936.10	122.0	665.05	111278	10.6628 ng/ml
Buprenorphine	5.585	2646	227.34	13.3	346.93	89766	1.1449 ng/ml
Bupropion	4.724	109969	16566.19	66.7	277.65	348845	9.9779 ng/ml
Carisoprodol	5.687	65627	220.71	62.9	66.00	307350	10.0039 ng/ml
Citalopram	5.192	90277	1525.48	30.1	867.97	403809	10.1233 ng/ml
Clonazepam	5.575	57990	922.26	35.9	37138.63	81670	10.3507 ng/ml
Clonazolam	5.518	42980	49995.22	35.6	11353.33	81670	10.5926 ng/ml
Cocaine	4.217	76672	639.94	54.2	21000.63	658509	10.0825 ng/ml
Codeine	2.512	9649	520.67	101.2	146.27	50023	10.2930 ng/ml
Cyclobenzaprine	5.598	43331	649.85	8.3	60.61	198831	9.9347 ng/ml
Dextromethorphan	5.236	50752	76.82	84.5	3602.69	227478	10.2113 ng/ml
Dextrorphan	4.077	35606	864.21	214.6	713.77	417807	9.7583 ng/ml
Diazepam	5.911	37868	294.39	89.9	351.09	171099	10.5817 ng/ml
Dihydrocodeine	2.504	24131	227.48	67.1	498.38	139326	10.6342 ng/ml
Diphenhydramine	5.257	233929	5456.20	29.8	134.43	1189919	9.9285 ng/ml
Doxylamine	4.423	205549	885.78	98.6	1976.02	931029	9.8708 ng/ml
Duloxetine	5.624	3616	145.62	16.3	182.01	18387	10.4880 ng/ml
EDDP	5.228	83876	349.77	40.3	49153.80	441491	10.0735 ng/ml
Etizolam	5.778	33785	1320.11	25.8	710.37	81670	10.2603 ng/ml
Fentanyl	5.028	5944	204.80	74.0	160.25	323351	0.9285 ng/ml
Fluorofentanyl	5.081	14752	629.34	36.4	7360.73	2847	1.0240 ng/ml
Fluoxetine	5.685	43921	239.14	7.9	985.77	154513	10.4301 ng/ml
Hydrocodone	2.958	36864	94.47	35.9	52.20	209928	10.0624 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	28989	1130.48	80.6	11673.91	94334	9.9804 ng/ml
Hydroxyzine	5.661	81069	1602.87	66.7	69186.02	227478	10.2720 ng/ml
Ketamine	3.975	75333	3192.40	35.3	169.48	304308	10.6452 ng/ml
Lamotrigine	4.213	6365	84.15	88.3	65.66	919807	9.5911 ng/ml
Lorazepam	5.711	52859	764.20	54.8	106.90	352078	10.8146 ng/ml
MDA	3.143	132803	989.21	30.4	315.40	397543	10.7343 ng/ml
MDMA	3.244	74071	1914.19	89.4	352.73	83154	9.9487 ng/ml
Meprobamate	4.861	34757	2168.35	35.6	650.04	164279	9.8692 ng/ml
Methadone	5.630	124728	1174.40	58.3	186.05	508818	9.8971 ng/ml
Methamphetamine	3.171	157764	1360.50	37.8	338.83	635613	10.2497 ng/ml
Metoprolol	4.287	21342	28042.29	104.9	747.77	867763	10.4291 ng/ml
Mirtazapine	4.505	138324	1460.41	53.9	1218.68	480162	9.7124 ng/ml
Mitragynine	5.156	29819	25650.72	28.3	30.01	508818	10.0028 ng/ml
Morphine	1.220	4038	1035.85	32.3	131.55	4772	9.9432 ng/ml
Norbuprenorphine	4.957	346	339.91	96.4	857.68	14924	0.6206 ng/ml
Nordiazepam	5.851	44403	489.77	55.9	2896.65	143065	10.6326 ng/ml
Norfentanyl	4.043	18277	423.75	37.3	51.81	741103	0.9856 ng/ml
Norhydrocodone	3.019	7612	93.45	38.5	110.78	66984	8.4400 ng/ml
Noroxycodone	2.862	32586	1198.83	53.0	776.20	100842	9.7636 ng/ml
O-desmethyl-tramadol	3.324	178650	1413.24	5.5	527.75	1010149	10.0922 ng/ml
o-desmethylvenlafaxine	4.029	160686	2170.75	22.8	457.65	174085	10.1268 ng/ml
Olanzapine	3.986	19449	311.57	57.9	361.88	46275	10.3005 ng/ml
Oxazepam	5.720	65604	840.57	72.3	182.55	352078	10.6101 ng/ml
Oxycodone	2.774	57076	386.61	32.3	443.14	232510	10.4073 ng/ml
Oxymorphone	1.371	27729	249.57	51.9	491.33	92618	9.7779 ng/ml
Phentermine	3.726	39043	279.28	6.0	115.92	531426	10.1371 ng/ml
Promethazine	5.508	98325	429.85	31.1	341.57	439293	9.6391 ng/ml
Pseudoephedrine	2.528	186212	493.59	16.6	523.39	919807	10.0241 ng/ml
Quetiapine	5.469	102242	2191.34	55.2	1047.50	130383	10.6682 ng/ml
Sertraline	5.747	11455	67.39	89.7	22327.81	46117	10.4559 ng/ml
Temazepam	5.781	106752	275.08	27.0	126.25	473368	10.1659 ng/ml
Tramadol	4.206	167860	∞	3.4	53.63	867763	10.0900 ng/ml
Trazodone	4.897	126982	890.66	58.8	375.71	379985	10.7205 ng/ml
Venlafaxine	5.002	169122	505.47	32.4	806.84	883710	10.1941 ng/ml
Xylazine	4.030	64152	2039.97	43.7	234.50	228916	10.1198 ng/ml
Zolpidem	4.674	146447	1136.36	27.8	1035.67	676999	10.1247 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

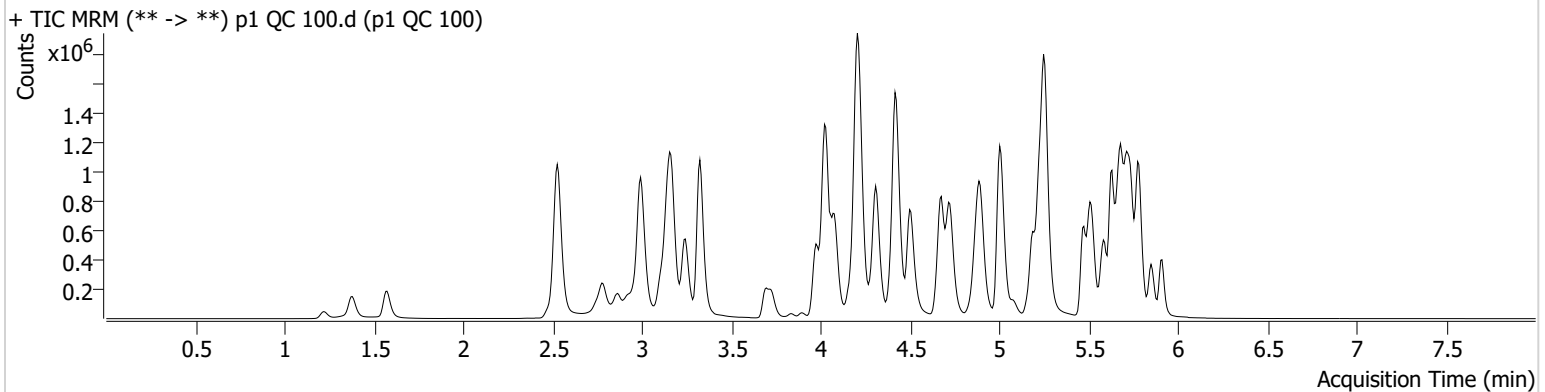


**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-B2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 10:49:37 AM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	16706	18308.40	68.8	16561.64	48269	10.0327 ng/ml
7-aminoclonazepam	4.170	296420	711.34	73.4	506.69	117866	108.8831 ng/ml
a-hydroxyalprazolam	5.662	131707	506.02	73.1	1005.53	50357	105.4570 ng/ml
alpha-PHP	4.881	296328	1981.21	264.2	4864.65	445432	103.3196 ng/ml
alpha-PVP	4.316	1156140	1271.05	49.5	6911.40	445432	97.8474 ng/ml
Alprazolam	5.739	531469	2542.34	100.2	1749.15	183686	102.2818 ng/ml
Amphetamine	2.995	1820040	3778.42	47.4	2977.97	271659	103.5911 ng/ml
Benzoylcegonine	3.837	31800	432.45	8.0	90.11	11318	98.2522 ng/ml
Bromazolam	5.771	193731	303044.87	129.8	380481.05	96196	103.7279 ng/ml
Buprenorphine	5.585	21907	962.85	15.3	4761.08	82690	10.7715 ng/ml
Bupropion	4.724	1058210	150582.10	67.4	845.29	330649	98.7379 ng/ml
Carisoprodol	5.687	577083	420.90	62.5	271.01	262732	102.1222 ng/ml
Citalopram	5.186	798980	57461.48	31.5	490.32	357998	98.9418 ng/ml
Clonazepam	5.575	513273	3678.43	36.3	275206.24	74756	103.6881 ng/ml
Clonazolam	5.518	388038	659130.54	36.4	201217.83	74756	109.5693 ng/ml
Cocaine	4.217	727232	174492.51	54.6	169442.67	620969	100.4460 ng/ml
Codeine	2.519	86302	881.10	96.9	517.08	45871	103.8110 ng/ml
Cyclobenzaprine	5.598	347790	670436.22	8.4	547.81	155689	96.6509 ng/ml
Dextromethorphan	5.229	430478	363.52	81.4	383.00	197015	99.7077 ng/ml
Dextrorphan	4.077	349338	4630.22	208.9	15793.70	385895	99.2893 ng/ml
Diazepam	5.911	340260	7015.96	91.1	753.62	155641	104.8228 ng/ml
Dihydrocodeine	2.504	226800	2045.10	69.0	3063.24	133509	109.2323 ng/ml
Diphenhydramine	5.257	2081509	36483.16	30.9	13474.88	1025192	98.5994 ng/ml
Doxylamine	4.416	2088227	4154.68	94.6	121193.14	905255	100.1870 ng/ml
Duloxetine	5.624	29584	785.49	12.9	4966.28	16742	95.8949 ng/ml
EDDP	5.228	825690	791.73	40.4	773.55	432536	99.6547 ng/ml
Etizolam	5.778	294225	6352.40	27.1	105562.14	74756	96.2993 ng/ml
Fentanyl	5.028	51198	598.83	72.6	1898.38	257001	9.8378 ng/ml
Fluorofentanyl	5.074	126167	610.22	38.5	2400.70	2623	10.0376 ng/ml
Fluoxetine	5.685	355108	1285.61	7.9	55290.67	125765	99.5593 ng/ml
Hydrocodone	2.958	346608	288.04	38.0	∞	204109	101.8440 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	283485	2621800.81	79.2	2984913.96	91192	100.2823 ng/ml
Hydroxyzine	5.661	665463	12130.60	73.8	691.89	197015	91.7993 ng/ml
Ketamine	3.975	700676	2898.43	34.4	1121.40	287436	112.2012 ng/ml
Lamotrigine	4.213	56076	825.98	87.2	2343.10	833132	98.5366 ng/ml
Lorazepam	5.711	380695	28472.71	56.7	1420.87	277186	109.3530 ng/ml
MDA	3.143	1149108	4340.96	30.8	5868.15	369608	106.9953 ng/ml
MDMA	3.244	706804	2619.11	91.3	752.34	78897	99.3639 ng/ml
Meprobamate	4.861	311783	457.07	33.0	2213.88	152945	102.2353 ng/ml
Methadone	5.630	1078109	18815.86	58.5	982.81	445532	95.9812 ng/ml
Methamphetamine	3.171	1453739	20064.89	38.8	1439.39	622679	102.8751 ng/ml
Metoprolol	4.287	199508	508475.35	104.1	4007.13	821552	105.6987 ng/ml
Mirtazapine	4.498	1300309	14090.33	52.8	17737.23	445432	92.4514 ng/ml
Mitragynine	5.156	252229	198906.08	32.5	3206.12	445532	92.1487 ng/ml
Morphine	1.220	39649	6690.64	31.4	273.47	4626	102.1932 ng/ml
Norbuprenorphine	4.957	2891	228.95	113.5	11681.35	12739	10.3515 ng/ml
Nordiazepam	5.851	400244	588.77	56.6	4150.00	131390	105.0530 ng/ml
Norfentanyl	4.043	164087	13935.56	36.9	792.64	641386	9.8233 ng/ml
Norhydrocodone	3.019	67735	70.39	38.7	277.02	49562	90.3570 ng/ml
Noroxycodone	2.862	299180	545.60	54.7	1283.57	96780	104.7250 ng/ml
O-desmethyl-tramadol	3.324	1764135	2411.17	5.7	1619.65	975291	99.8530 ng/ml
o-desmethylvenlafaxine	4.029	1495479	37208.95	23.4	2553.84	158543	99.4928 ng/ml
Olanzapine	3.986	165073	1524.65	60.2	1653.40	40285	106.7769 ng/ml
Oxazepam	5.713	503511	14166.51	72.9	294.33	277186	105.4769 ng/ml
Oxycodone	2.781	548659	1064.73	32.7	904.65	230092	102.9469 ng/ml
Oxymorphone	1.378	271331	∞	51.5	545.46	90002	99.9048 ng/ml
Phentermine	3.726	368260	810.44	6.4	221.09	529066	101.5818 ng/ml
Promethazine	5.508	811264	574.51	31.7	784.93	347686	96.6731 ng/ml
Pseudoephedrine	2.535	1744747	3580.38	17.0	318.20	833132	97.0093 ng/ml
Quetiapine	5.469	923644	1044573.56	57.0	800019.04	123622	104.6481 ng/ml
Sertraline	5.747	97723	5489.74	87.8	536.96	38984	106.7848 ng/ml
Temazepam	5.781	857024	9143.53	26.3	975.53	367223	102.0319 ng/ml
Tramadol	4.206	1636393	∞	3.6	184.38	821552	104.2995 ng/ml
Trazodone	4.897	1009453	7132.92	61.4	2448.60	328865	104.4201 ng/ml
Venlafaxine	5.002	1636780	1853.37	31.9	789.61	844278	99.6766 ng/ml
Xylazine	4.030	578036	91720.89	46.8	1260.00	207678	101.0052 ng/ml
Zolpidem	4.674	1430539	8597.90	27.6	1920.60	660102	102.7054 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



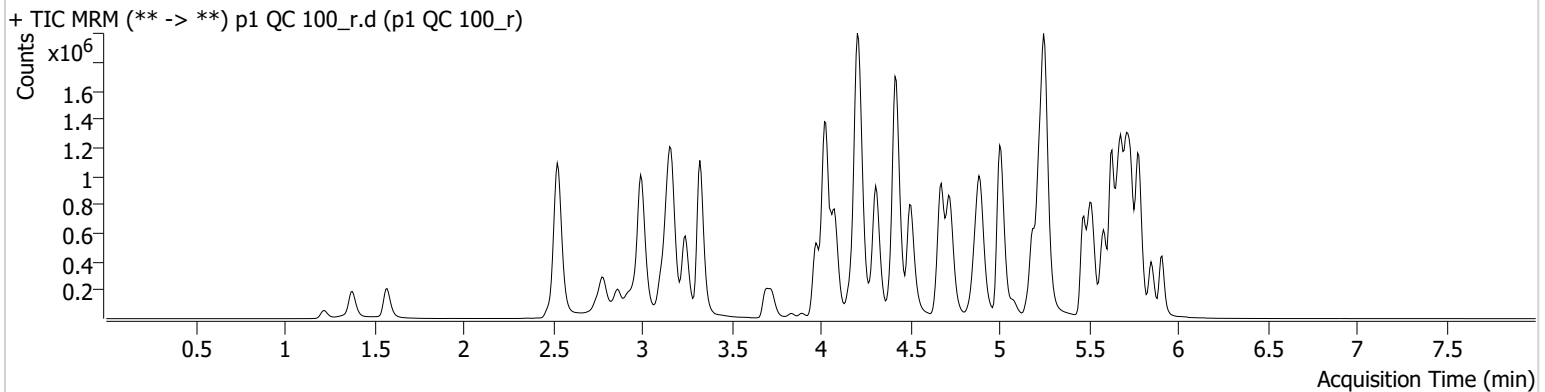
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**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-B2  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 5:28:02 PM  
**Sample Info.** QC followed re-injected samples.

**Data File** p1 QC 100\_r.d  
**Sample** p1 QC 100\_r  
**Operator** Tamara Salazar

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	17580	570.39	73.8	7929.48	54347	9.3805 ng/ml
7-aminoclonazepam	4.170	314324	7184.57	81.2	377.23	131040	103.8297 ng/ml
a-hydroxyalprazolam	5.662	154404	1141.43	71.1	298.75	62260	99.9746 ng/ml
alpha-PHP	4.881	307742	10142.88	259.3	50272.59	468877	101.9368 ng/ml
alpha-PVP	4.316	1193288	339214.64	50.2	650.33	468877	95.9466 ng/ml
Alprazolam	5.739	570615	635.52	112.2	707.92	229758	87.8648 ng/ml
Amphetamine	2.995	1857223	5736.17	49.6	26864.71	294569	97.4383 ng/ml
Benzoylcegonine	3.837	34602	1913.31	7.8	363.35	11426	105.9079 ng/ml
Bromazolam	5.771	212376	5218.87	124.3	334390.16	104929	104.2486 ng/ml
Buprenorphine	5.585	22429	784.69	16.3	2746.33	88244	10.3318 ng/ml
Bupropion	4.724	1142160	103618.78	65.9	16982.92	362864	97.1144 ng/ml
Carisoprodol	5.687	677918	680669.47	58.0	464.05	306839	102.7212 ng/ml
Citalopram	5.186	838482	647.86	35.8	1985.86	366382	101.4515 ng/ml
Clonazepam	5.575	631523	1148.87	35.7	272468.42	85337	111.7904 ng/ml
Clonazolam	5.518	472844	6380.43	36.8	246158.42	85337	116.9998 ng/ml
Cocaine	4.217	750007	1019.15	56.0	26110.63	650964	98.8201 ng/ml
Codeine	2.519	91861	1568.48	103.3	399.23	53609	94.5128 ng/ml
Cyclobenzaprine	5.598	390956	425652.00	8.3	16088.64	167470	100.9789 ng/ml
Dextromethorphan	5.229	470643	687.38	80.6	652.89	209125	102.6974 ng/ml
Dextrorphan	4.077	376689	8923.19	211.3	1184.59	416579	99.1775 ng/ml
Diazepam	5.911	373635	1852.97	90.9	569.35	171263	104.6049 ng/ml
Dihydrocodeine	2.504	261272	6027.72	63.3	11173.13	151330	111.0252 ng/ml
Diphenhydramine	5.257	2299122	429243.25	30.1	1012.72	1122598	99.4542 ng/ml
Doxylamine	4.423	2258954	544626.75	98.8	82987.92	952647	102.9776 ng/ml
Duloxetine	5.624	26479	3764.72	13.6	5156.44	14784	97.1959 ng/ml
EDDP	5.228	974052	61589.02	41.6	296.41	506982	100.2970 ng/ml
Etizolam	5.778	279074	6231.99	25.1	6810.45	85337	80.0413 ng/ml
Fentanyl	5.028	53826	1801.28	76.6	52605.11	272167	9.7665 ng/ml
Fluorofentanyl	5.074	128326	15889.13	39.1	9592.85	2512	10.6626 ng/ml
Fluoxetine	5.685	315636	8104.58	7.8	41364.59	114481	97.2262 ng/ml
Hydrocodone	2.958	416520	4596.68	33.7	∞	229395	108.9320 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	324382	9913.49	75.0	1181774.06	99373	105.2986 ng/ml
Hydroxyzine	5.661	722187	19767.87	73.5	844782.04	209125	93.8407 ng/ml
Ketamine	3.975	738575	746.30	37.2	1050.17	308696	110.1092 ng/ml
Lamotrigine	4.213	60176	1598.30	82.1	303.93	861803	102.2470 ng/ml
Lorazepam	5.711	452779	18879.20	51.7	987.69	323075	111.6117 ng/ml
MDA	3.150	1203699	5185.56	31.8	2442.69	423111	97.8334 ng/ml
MDMA	3.244	741241	9171.27	92.6	3290.41	88877	92.5095 ng/ml
Meprobamate	4.861	380608	477.81	30.6	1282.75	182388	104.6756 ng/ml
Methadone	5.630	1363199	614.78	49.3	18320.62	520296	103.9068 ng/ml
Methamphetamine	3.171	1547903	10237.75	39.5	8100.31	641247	106.3931 ng/ml
Metoprolol	4.287	201485	166290.39	107.1	1948.86	835357	104.9800 ng/ml
Mirtazapine	4.505	1453007	5427.48	47.8	517457.69	468877	98.1023 ng/ml
Mitragynine	5.156	274967	1553.85	33.7	1315.99	520296	86.0549 ng/ml
Morphine	1.220	48793	786.83	26.8	1162.11	8987	64.6750 ng/ml
Norbuprenorphine	4.957	2973	243.23	111.4	6651.71	15415	8.7253 ng/ml
Nordiazepam	5.851	423139	398.44	60.0	1306.54	137802	105.8957 ng/ml
Norfentanyl	4.043	166634	873.58	37.0	304.47	662160	9.6635 ng/ml
Norhydrocodone	3.026	81875	250.87	40.4	70.91	58808	92.0309 ng/ml
Noroxycodone	2.862	375135	3424.57	50.2	2860.76	113776	111.7855 ng/ml
O-desmethyl-tramadol	3.324	1801026	171884.28	5.7	1119.79	1016421	97.8235 ng/ml
o-desmethylvenlafaxine	4.029	1550875	136627.28	26.1	1453.15	189615	86.3283 ng/ml
Olanzapine	3.986	151716	1446.10	57.3	1501.03	37870	104.3801 ng/ml
Oxazepam	5.713	600281	393.05	73.2	∞	323075	107.8925 ng/ml
Oxycodone	2.781	688406	5107.16	30.6	1324.71	282109	105.3564 ng/ml
Oxymorphone	1.378	342164	∞	47.8	1854.73	119283	95.0518 ng/ml
Phentermine	3.733	382660	523.79	6.7	199.35	542078	103.0296 ng/ml
Promethazine	5.508	781173	22674.30	30.7	465.37	342357	94.5452 ng/ml
Pseudoephedrine	2.535	1817668	1445.76	17.2	12918.69	861803	97.6964 ng/ml
Quetiapine	5.469	1080765	53814.44	55.9	890512.11	144565	104.7107 ng/ml
Sertraline	5.747	80160	653.75	92.6	214.44	36142	94.4650 ng/ml
Temazepam	5.781	980455	42547.25	26.9	740.34	438170	97.8408 ng/ml
Tramadol	4.206	1696520	∞	3.5	443.97	835357	106.3458 ng/ml
Trazodone	4.890	1092088	3823.35	60.8	1727.97	365196	101.7108 ng/ml
Venlafaxine	5.002	1681439	62037.80	34.1	8897.94	863728	100.0888 ng/ml
Xylazine	4.030	603280	3395.30	47.4	5817.20	216123	101.2972 ng/ml
Zolpidem	4.674	1670765	2730013.22	28.2	1122.76	709797	111.5664 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

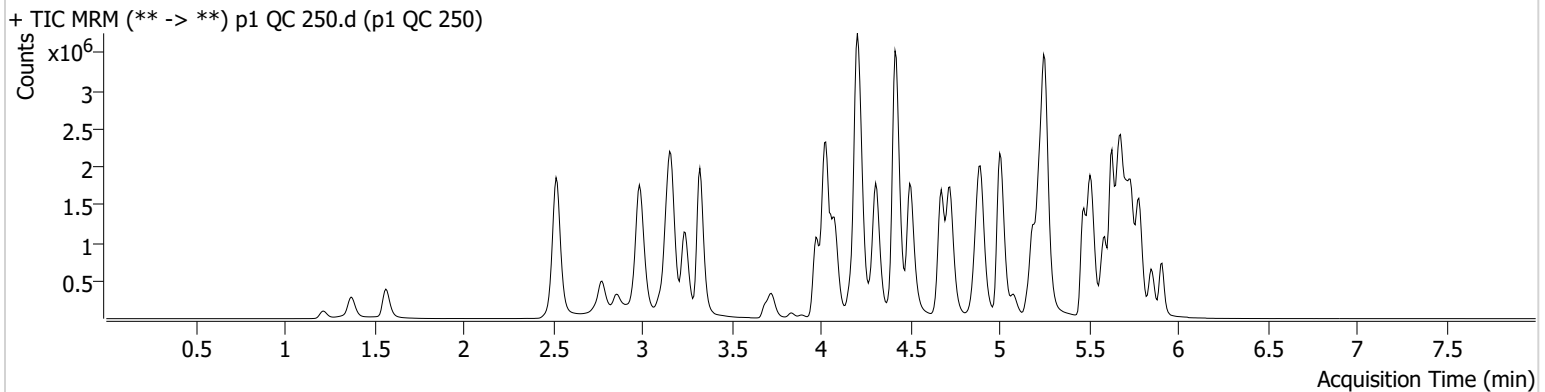


**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-C2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 1:57:47 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	3.085	38657	348.96	70.0	65882.38	45847	24.3577 ng/ml
7-aminoclonazepam	4.170	633069	6957.67	73.5	1095.33	111242	247.0073 ng/ml
a-hydroxyalprazolam	5.662	236430	242.15	69.8	528.87	37362	255.6767 ng/ml
alpha-PHP	4.881	658371	10529.52	265.5	4442.32	408225	250.2163 ng/ml
alpha-PVP	4.316	2621065	73454.73	50.1	8853.42	408225	241.6612 ng/ml
Alprazolam	5.739	1110856	920.78	99.4	1859.46	143176	273.4406 ng/ml
Amphetamine	2.989	3659448	1210.10	46.3	45823.69	254323	223.4134 ng/ml
Benzoylcegonine	3.837	77955	601.46	8.3	132.09	10900	250.3865 ng/ml
Bromazolam	5.771	361038	493386.19	132.1	415384.22	72469	256.7985 ng/ml
Buprenorphine	5.585	52473	306.62	15.0	4643.73	87221	24.5374 ng/ml
Bupropion	4.724	2543398	6136.36	65.9	33559.35	315362	248.3944 ng/ml
Carisoprodol	5.694	1037677	1024.32	63.2	9101.68	194660	247.7244 ng/ml
Citalopram	5.186	1920733	1938.04	31.1	2163.73	328604	258.7494 ng/ml
Clonazepam	5.575	990546	3503898.44	35.8	2474.38	60127	249.3718 ng/ml
Clonazolam	5.525	740586	94999.68	37.8	376954.32	60127	260.7861 ng/ml
Cocaine	4.217	1562955	15186.88	56.2	734.78	539802	248.1797 ng/ml
Codeine	2.505	171232	390.13	93.1	313.60	41371	228.8438 ng/ml
Cyclobenzaprine	5.598	1037873	73702.85	8.1	153078.50	179531	249.2331 ng/ml
Dextromethorphan	5.229	989411	2091.35	79.8	1435.80	180462	250.1383 ng/ml
Dextrorphan	4.077	752790	1101.16	215.4	2580.20	342521	240.4043 ng/ml
Diazepam	5.911	690025	7674.59	90.4	1087.83	130242	254.0748 ng/ml
Dihydrocodeine	2.497	485825	9814.45	70.8	1017.36	126090	248.4618 ng/ml
Diphenhydramine	5.257	4892389	2515.42	30.5	28291.62	963949	245.8390 ng/ml
Doxylamine	4.416	5081640	14199.32	94.3	260130.06	858988	256.4455 ng/ml
Duloxetine	5.624	84783	2881.03	12.7	89.37	18300	251.7559 ng/ml
EDDP	5.228	1922181	1680.31	40.5	554.51	395777	253.2729 ng/ml
Etizolam	5.778	583257	4849.35	27.4	5132.29	60127	237.1190 ng/ml
Fentanyl	5.028	140719	225.86	70.2	11648.31	269472	25.7509 ng/ml
Fluorofentanyl	5.081	370231	1622.33	38.1	7674.60	2905	26.6986 ng/ml
Fluoxetine	5.685	952866	1691.10	7.9	773.79	136490	245.4898 ng/ml
Hydrocodone	2.958	762431	∞	37.6	∞	189253	242.3296 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	649025	8054.98	79.4	5158.70	84372	248.0407 ng/ml
Hydroxyzine	5.661	1700969	39560.68	76.8	11168.44	180462	254.9945 ng/ml
Ketamine	3.975	1583701	7917.21	34.7	1467.35	272575	268.5825 ng/ml
Lamotrigine	4.213	110858	2537.59	85.4	1163.48	692471	235.1993 ng/ml
Lorazepam	5.711	563346	2579.53	56.2	1075.63	180167	250.5906 ng/ml
MDA	3.143	2171313	21048.95	28.8	7682.53	304144	246.7977 ng/ml
MDMA	3.244	1582099	6633.33	91.0	7274.12	71984	243.6623 ng/ml
Meprobamate	4.861	582967	100397.50	31.0	26333.67	133707	219.6045 ng/ml
Methadone	5.630	2721733	2029.09	58.1	33399.37	436314	247.1224 ng/ml
Methamphetamine	3.164	3289505	2506.19	37.7	13536.16	592630	245.6477 ng/ml
Metoprolol	4.287	415988	376352.54	107.1	11008.95	743959	243.7746 ng/ml
Mirtazapine	4.498	3174231	1489.25	51.6	83403.48	408225	245.1690 ng/ml
Mitragynine	5.156	669937	19449.36	33.1	3655.06	436314	249.0382 ng/ml
Morphine	1.220	90196	5713.45	31.0	390.63	4286	251.1829 ng/ml
Norbuprenorphine	4.957	7917	211.47	90.7	151.42	13953	26.6121 ng/ml
Nordiazepam	5.851	802806	104635.68	55.8	3964.77	106391	260.3432 ng/ml
Norfentanyl	4.043	333163	6121.22	36.7	610.50	506733	25.1781 ng/ml
Norhydrocodone	3.019	134199	91.57	39.8	167.63	35822	245.9260 ng/ml
Noroxycodone	2.856	606265	7552.61	55.5	3872.88	82468	250.8669 ng/ml
O-desmethyl-tramadol	3.324	4077550	396309.04	5.8	8702.33	896122	250.6331 ng/ml
o-desmethylvenlafaxine	4.029	2961274	106492.97	24.6	5667.42	131010	237.8101 ng/ml
Olanzapine	3.986	427828	5356.39	59.7	1738.26	44048	254.0911 ng/ml
Oxazepam	5.713	810246	562.11	73.0	451.08	180167	261.4777 ng/ml
Oxycodone	2.774	1260635	1205.22	32.5	1973.16	214295	254.2860 ng/ml
Oxymorphone	1.371	585900	∞	50.4	∞	77780	249.8659 ng/ml
Phentermine	3.726	790789	1839.55	5.9	385.38	491379	235.7215 ng/ml
Promethazine	5.508	2406547	2070.59	31.6	2985.26	403496	246.4787 ng/ml
Pseudoephedrine	2.528	3781750	105840.80	16.7	25118.69	692471	251.8298 ng/ml
Quetiapine	5.469	2205456	79018.94	59.2	268025.70	121599	254.5348 ng/ml
Sertraline	5.747	251868	579.58	89.1	490.26	41169	260.8169 ng/ml
Temazepam	5.781	1412774	18070.88	26.5	1904.89	238035	258.9571 ng/ml
Tramadol	4.206	3674155	∞	3.6	583.91	743959	258.6701 ng/ml
Trazodone	4.897	2384945	129551.53	65.0	697537.03	326665	249.3672 ng/ml
Venlafaxine	5.002	3817022	2567.45	30.5	1150.47	779393	251.2002 ng/ml
Xylazine	4.030	1284036	240984.64	49.3	3193.80	186280	250.2253 ng/ml
Zolpidem	4.674	3337760	5895.88	27.7	2658.22	627547	252.2707 ng/ml

TS



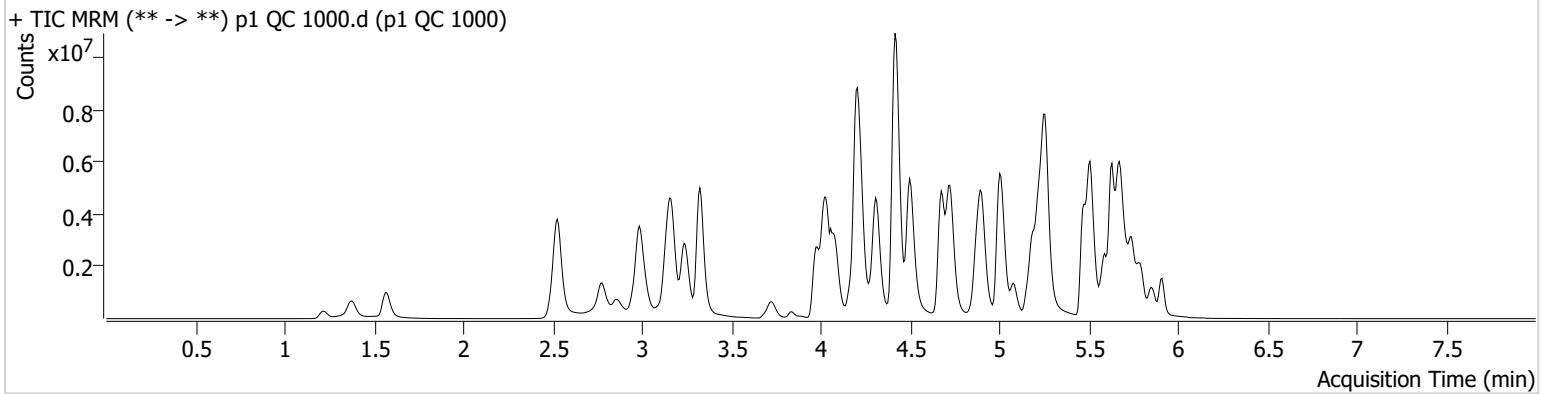
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-D2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 2:19:01 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	3.085	140149	9792.19	69.0	1410.31	40497	99.7913 ng/ml
7-aminoclonazepam	4.170	1767718	463.53	72.2	10808.37	93991	817.4354 ng/ml
a-hydroxyalprazolam	5.662	324104	217.60	72.3	291.78	13414	977.2369 ng/ml
alpha-PHP	4.881	1915032	45380.85	266.9	66960.16	293506	1011.7325 ng/ml
alpha-PVP	4.309	7882434	1288.70	49.4	339765.90	293506	1009.9833 ng/ml
Alprazolam	5.739	2621020	1386.96	96.2	941.87	89448	1031.3351 ng/ml
Amphetamine	2.989	7782053	91317.29	46.7	45184.28	220249	549.7866 ng/ml
Benzoylcegonine	3.837	292128	939.82	8.1	2943.46	10234	1000.0229 ng/ml
Bromazolam	5.771	667252	393107.71	132.3	956053.32	36888	932.7501 ng/ml
Buprenorphine	5.578	153506	5860.26	14.4	18481.47	82480	76.0350 ng/ml
Bupropion	4.724	8192254	164941.58	65.4	5681.81	242327	1040.3156 ng/ml
Carisoprodol	5.694	1778389	453.30	62.5	318.23	78616	1050.9617 ng/ml
Citalopram	5.186	5230436	305435.28	31.3	1314.60	223145	1036.9017 ng/ml
Clonazepam	5.575	1698295	38174.46	35.2	13572.74	31554	815.6471 ng/ml
Clonazolam	5.525	1358661	1810304.99	39.3	632942.26	31554	913.0992 ng/ml
Cocaine	4.224	4359333	16616.00	53.7	104861.69	373313	1000.6011 ng/ml
Codeine	2.505	357428	2572.97	93.0	290.54	32877	601.7414 ng/ml
Cyclobenzaprine	5.598	3410570	83747.57	7.6	6734.80	140744	1042.9217 ng/ml
Dextromethorphan	5.229	2391599	55647.96	78.4	31612.74	105993	1029.3351 ng/ml
Dextrorphan	4.077	2154556	1841.00	217.6	3170.21	224533	1048.0920 ng/ml
Diazepam	5.911	1681814	7818.61	90.3	28673.83	86426	933.3016 ng/ml
Dihydrocodeine	2.491	1335104	66660.25	68.2	11229.49	113297	761.0534 ng/ml
Diphenhydramine	5.257	13277427	679057.45	30.2	58977.85	623160	1030.6936 ng/ml
Doxylamine	4.416	17253685	657504.70	94.0	3954.12	730171	1023.3857 ng/ml
Duloxetine	5.617	163380	5090.59	14.3	2640.68	8937	994.0051 ng/ml
EDDP	5.228	6445191	1739.88	38.3	889.18	311138	1079.6950 ng/ml
Etizolam	5.778	1426870	5969.73	27.1	8732.61	31554	1104.7979 ng/ml
Fentanyl	5.028	540150	793.23	69.5	788.09	208224	127.8299 ng/ml
Fluorofentanyl	5.074	1712816	186308.05	38.5	32668.03	3275	109.7666 ng/ml
Fluoxetine	5.685	2546581	5692580.82	7.6	3002.82	86368	1035.3672 ng/ml
Hydrocodone	2.951	2248115	1321.99	39.2	395.33	159734	847.8863 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	2005394	3061176.48	80.3	4965933.96	65033	994.0990 ng/ml
Hydroxyzine	5.661	5333719	509924.33	78.7	47773.60	105993	1358.5187 ng/ml
Ketamine	3.975	3803852	∞	34.0	24499.01	204638	861.1021 ng/ml
Lamotrigine	4.220	174498	249.95	92.6	6104.82	402178	638.4736 ng/ml
Lorazepam	5.711	600239	86002.17	54.2	2278.50	54334	888.5956 ng/ml
MDA	3.136	3763613	3214.48	28.8	5407.11	200437	650.5130 ng/ml
MDMA	3.237	4348840	216829.72	91.0	2899.09	50661	951.4617 ng/ml
Meprobamate	4.855	1037660	21192.91	29.9	7076.70	95504	548.4821 ng/ml
Methadone	5.630	8579536	3090.48	56.2	3509.53	330593	1027.4891 ng/ml
Methamphetamine	3.164	9346555	56655.75	35.6	31914.96	540372	767.0905 ng/ml
Metoprolol	4.287	960521	1186937.64	105.4	8762.98	561281	746.7095 ng/ml
Mirtazapine	4.498	10236054	194519.86	50.2	5238634.24	293506	1097.3400 ng/ml
Mitragynine	5.156	2229503	1197.21	34.0	1137375.20	330593	1092.0646 ng/ml
Morphine	1.220	281401	∞	32.2	∞	3587	936.7444 ng/ml
Norbuprenorphine	4.957	27921	872.48	100.5	23802.17	13631	97.3530 ng/ml
Nordiazepam	5.858	1686896	44952.55	55.7	5761.51	58174	1000.6858 ng/ml
Norfentanyl	4.043	645567	53744.21	38.1	4337.75	216881	113.8382 ng/ml
Norhydrocodone	3.019	420925	82.76	41.1	82.89	24703	1114.9710 ng/ml
Noroxycodone	2.856	1573219	∞	54.3	5194.06	57631	935.1306 ng/ml
O-desmethyl-tramadol	3.324	12918998	706051.91	5.6	1280.29	677496	1049.1720 ng/ml
o-desmethylvenlafaxine	4.029	7092893	80188.22	22.6	17735.21	68567	1086.7904 ng/ml
Olanzapine	3.986	1878875	4445.94	62.2	9381.80	72044	683.4845 ng/ml
Oxazepam	5.713	867569	178.52	71.0	178.26	54334	928.9750 ng/ml
Oxycodone	2.774	4147759	7381.48	32.7	1590.68	193977	924.8488 ng/ml
Oxymorphone	1.371	1867361	∞	50.6	∞	66372	933.6879 ng/ml
Phentermine	3.726	2015721	1478.16	5.7	1267.69	428286	690.6273 ng/ml
Promethazine	5.508	9603277	1130976.16	29.9	5731.14	374517	1058.3391 ng/ml
Pseudoephedrine	2.528	9869128	202368.65	16.2	3030.74	402178	1129.0584 ng/ml
Quetiapine	5.469	6888133	3926.16	60.6	465110.53	100648	961.4274 ng/ml
Sertraline	5.747	469023	415.87	88.2	80598.93	19679	1016.4548 ng/ml
Temazepam	5.795	1960249	51576.98	26.2	167.86	82270	1038.5772 ng/ml
Tramadol	4.199	10073702	∞	3.5	385.15	561281	940.1547 ng/ml
Trazodone	4.897	6268657	128978.68	71.4	144299.81	261963	818.9864 ng/ml
Venlafaxine	5.002	12078110	50245.27	29.7	1479.27	570434	1084.7314 ng/ml
Xylazine	4.030	3738878	325868.65	50.4	14094.66	137711	985.7507 ng/ml
Zolpidem	4.674	11002327	9766.86	25.8	4915.21	542304	962.6744 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

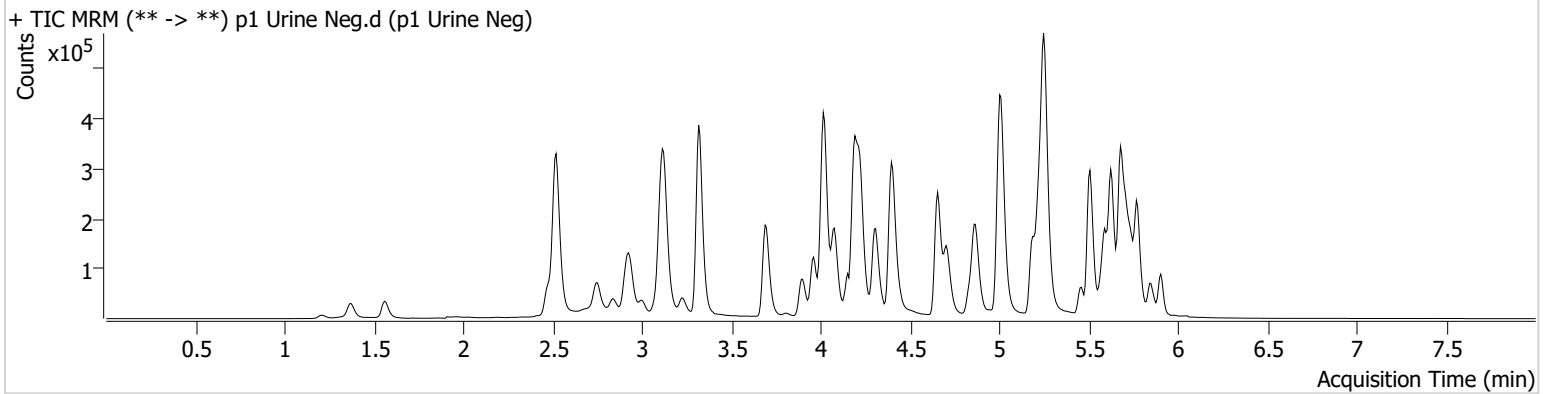
**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-B5  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 9:45:50 AM  
**Sample Info.**

**Data File** p1 Urine Neg.d  
**Sample** p1 Urine Neg  
**Operator** Tamara Salazar  
**Comment**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram





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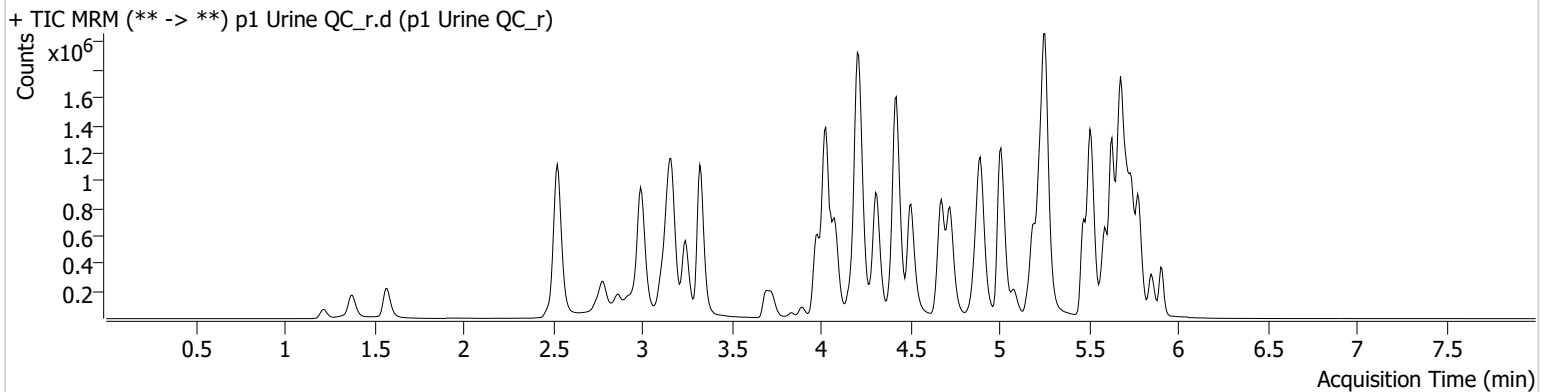
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901) **Data File** p1 Urine QC\_r.d  
**Type** QC **Sample** p1 Urine QC\_r  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-E2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 2:06:41 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	3.085	17373	432.03	66.4	209.68	51497	9.7806 ng/ml
7-aminoclonazepam	4.170	324855	2838.71	71.3	387.71	130846	107.4839 ng/ml
a-hydroxyalprazolam	5.662	106005	764.55	70.3	580.19	38588	110.7816 ng/ml
alpha-PHP	4.881	289082	2544.83	255.4	4999.13	457888	98.0606 ng/ml
alpha-PVP	4.316	1173484	571.75	49.8	1468.90	457888	96.6167 ng/ml
Alprazolam	5.739	484915	1152.19	99.9	1027.94	167408	102.3959 ng/ml
Amphetamine	2.995	1781460	1633.14	48.5	1852.23	279486	98.5164 ng/ml
Benzoylcegonine	3.837	39966	309.03	8.6	88.01	12899	108.3659 ng/ml
Bromazolam	5.771	164868	1110.06	129.2	9687.84	83743	101.3981 ng/ml
Buprenorphine	5.585	24805	475.49	15.4	2013.93	99673	10.1147 ng/ml
Bupropion	4.724	1064410	31894.63	66.2	7258.58	330318	99.4140 ng/ml
Carisoprodol	5.694	469170	1650200.89	63.8	1105.10	222117	98.2104 ng/ml
Citalopram	5.192	911994	15381.24	31.5	1914.49	401444	100.7102 ng/ml
Clonazepam	5.575	341919	11385.25	36.3	2240.61	49724	103.8458 ng/ml
Clonazolam	5.525	299723	2659.79	39.1	174590.05	49724	127.3308 ng/ml
Cocaine	4.224	693849	16973.01	54.8	1782.80	610489	97.4834 ng/ml
Codeine	2.519	86185	291.10	97.6	156.14	48059	98.9331 ng/ml
Cyclobenzaprine	5.598	692260	60314.01	8.1	820.79	307557	97.3806 ng/ml
Dextromethorphan	5.236	552672	857.89	80.6	1677.00	255389	98.7516 ng/ml
Dextrorphan	4.084	347273	553.74	210.5	1581.97	391610	97.2709 ng/ml
Diazepam	5.911	271657	598.46	90.8	606.12	134777	96.6411 ng/ml
Dihydrocodeine	2.504	234915	21476.63	67.7	3984.30	141215	106.9553 ng/ml
Diphenhydramine	5.257	2412480	750.51	30.8	534.98	1229848	95.2750 ng/ml
Doxylamine	4.423	2161378	64197.02	96.5	162805.40	939116	99.9583 ng/ml
Duloxetine	5.624	109508	1150.10	13.3	354.48	59237	100.3291 ng/ml
EDDP	5.228	816911	630.96	40.2	1011.99	429846	99.2129 ng/ml
Etizolam	5.778	262512	7190.33	27.8	1077.14	49724	129.1209 ng/ml
Fentanyl	5.028	89029	283.96	69.8	1256.59	424696	10.3510 ng/ml
Fluorofentanyl	5.081	249974	935.09	39.5	3022.63	4903	10.6429 ng/ml
Fluoxetine	5.685	1159934	4041.25	7.8	253.90	424436	96.3757 ng/ml
Hydrocodone	2.965	355944	869.87	37.7	396.42	209730	101.7837 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

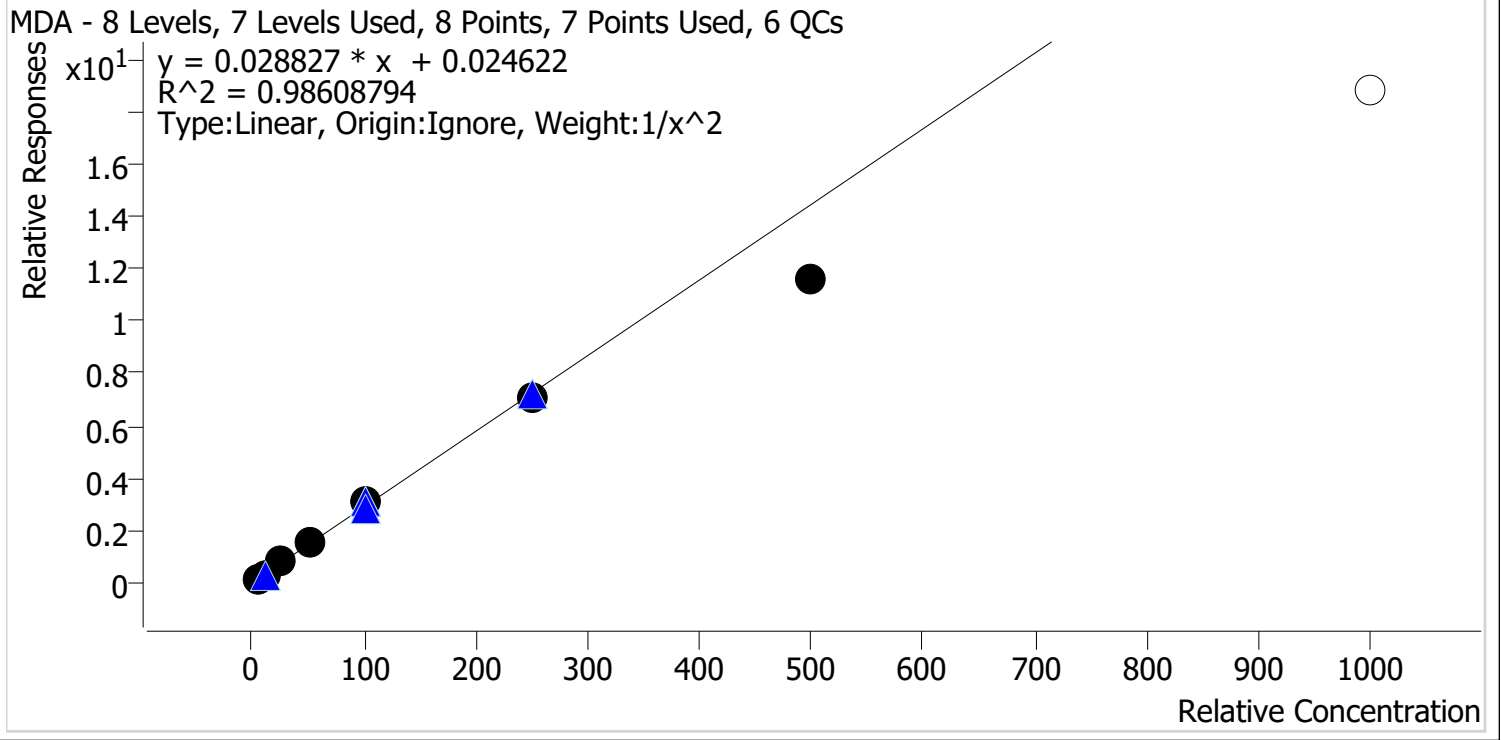
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	340181	1274188.93	79.3	2301707.22	112767	97.3172 ng/ml
Hydroxyzine	5.661	942177	17856.00	77.2	19227.63	255389	100.2037 ng/ml
Ketamine	3.975	704497	2403.03	35.1	808.66	298162	108.7293 ng/ml
Lamotrigine	4.213	60968	397.77	82.7	3870.69	880894	101.3407 ng/ml
Lorazepam	5.711	300205	981.30	54.1	426.94	225263	106.0713 ng/ml
MDA	3.150	1151113	5419.48	30.3	2770.91	367132	107.9123 ng/ml
MDMA	3.244	726516	4399.44	90.6	3982.14	81664	98.6749 ng/ml
Meprobamate	4.861	273517	27215.88	32.2	297.09	139536	98.2745 ng/ml
Methadone	5.630	1320330	1467.32	57.9	1075.70	540347	96.9178 ng/ml
Methamphetamine	3.171	1486263	19217.83	38.2	8211.63	630620	103.8597 ng/ml
Metoprolol	4.287	200159	2500.49	104.6	2741.16	848027	102.7243 ng/ml
Mirtazapine	4.505	1453222	7283.12	52.5	7464.08	457888	100.4555 ng/ml
Mitragynine	5.163	372509	568583.90	32.7	1134.04	540347	112.0985 ng/ml
Morphine	1.220	55386	235.81	30.3	399.52	6729	98.1400 ng/ml
Norbuprenorphine	4.957	3525	34.09	101.6	223.07	16020	10.0215 ng/ml
Nordiazepam	5.851	334308	1208.11	56.9	6292.47	108466	106.2932 ng/ml
Norfentanyl	4.043	163547	1856.72	37.0	233.21	651826	9.6350 ng/ml
Norhydrocodone	3.026	64783	1595.88	42.8	799.18	49296	86.9250 ng/ml
Noroxycodone	2.862	312774	2922.67	54.0	1678.49	103141	102.7063 ng/ml
O-desmethyl-tramadol	3.324	1798615	94726.58	5.9	∞	1011064	98.2086 ng/ml
o-desmethylvenlafaxine	4.029	1551019	48285.72	23.1	494.70	160246	102.0803 ng/ml
Olanzapine	3.986	355350	2542.10	59.2	3054.35	89251	103.7288 ng/ml
Oxazepam	5.720	383312	542.84	70.1	91.22	225263	98.7909 ng/ml
Oxycodone	2.781	626166	2201.29	32.8	1378.90	262568	102.9581 ng/ml
Oxymorphone	1.378	310821	∞	51.1	890.30	106762	96.4734 ng/ml
Phentermine	3.733	363943	374.46	6.3	64.57	519422	102.2595 ng/ml
Promethazine	5.508	1665110	27100.52	32.1	824.56	707593	97.4934 ng/ml
Pseudoephedrine	2.535	1873730	1356.35	16.5	7174.47	880894	98.5209 ng/ml
Quetiapine	5.469	1033380	1050.29	60.0	401.50	144236	100.3337 ng/ml
Sertraline	5.747	282669	1668.56	88.5	616.35	122970	97.9093 ng/ml
Temazepam	5.781	595895	590.08	27.4	300.81	263178	99.0006 ng/ml
Tramadol	4.206	1663356	∞	3.6	198.07	848027	102.7077 ng/ml
Trazodone	4.897	1392548	6177.63	66.5	7189.25	478836	98.8943 ng/ml
Venlafaxine	5.002	1642553	44362.09	32.0	501.70	855907	98.6731 ng/ml
Xylazine	4.030	607957	175833.68	48.2	913.45	221155	99.7589 ng/ml
Zolpidem	4.674	1478915	5742.75	28.1	2016.32	700792	100.0099 ng/ml

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	54.5	108.9
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	402.0	80.4
p1 Cal 8-1000ng	8	✗	1000.0	649.0	64.9

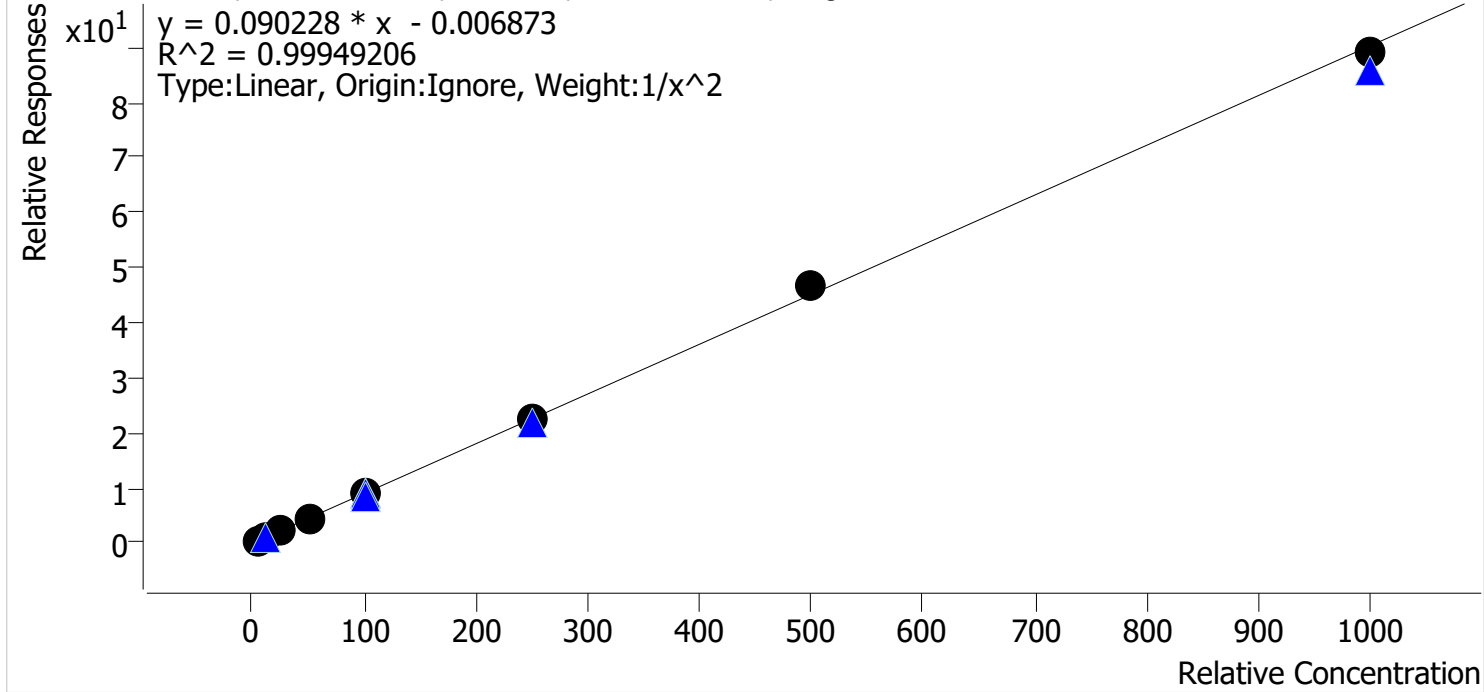
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	519.6	103.9
p1 Cal 8-1000ng	8	✓	1000.0	986.4	98.6

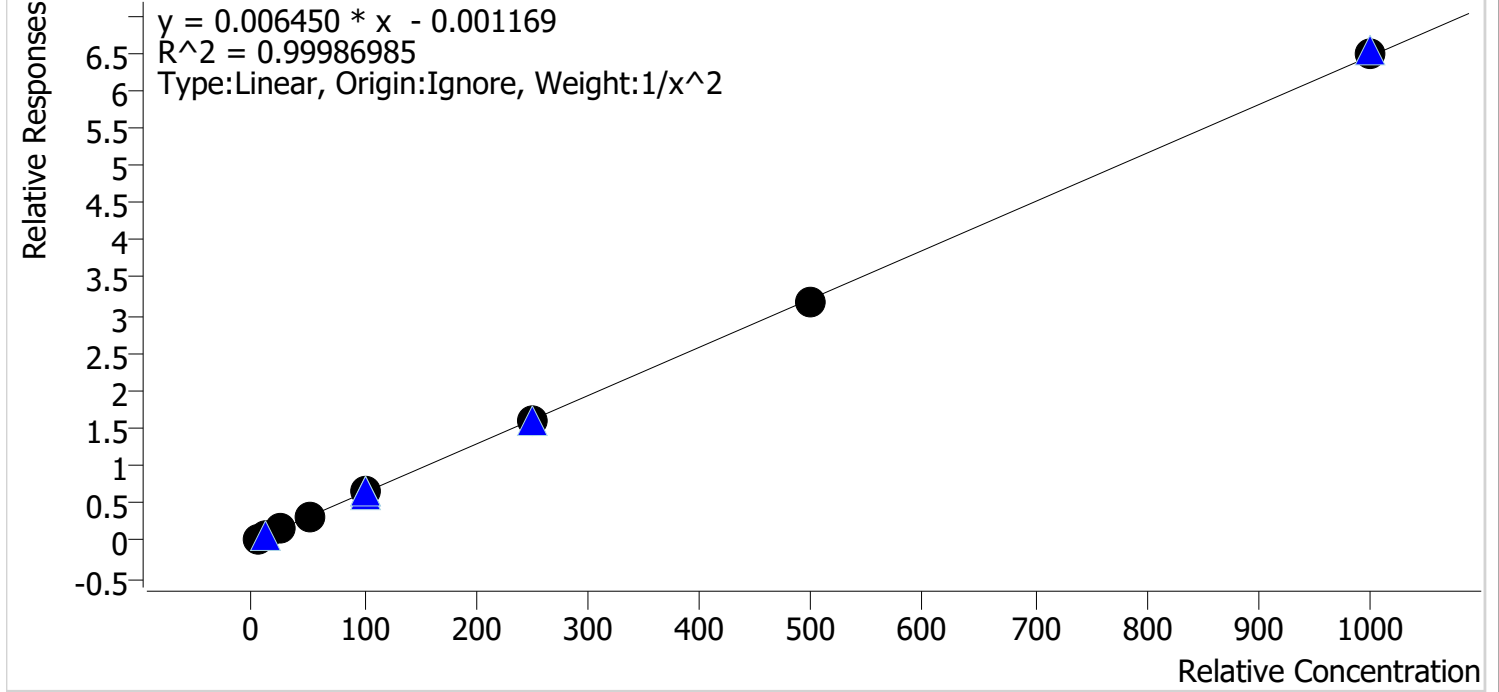
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8

alpha-PHP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



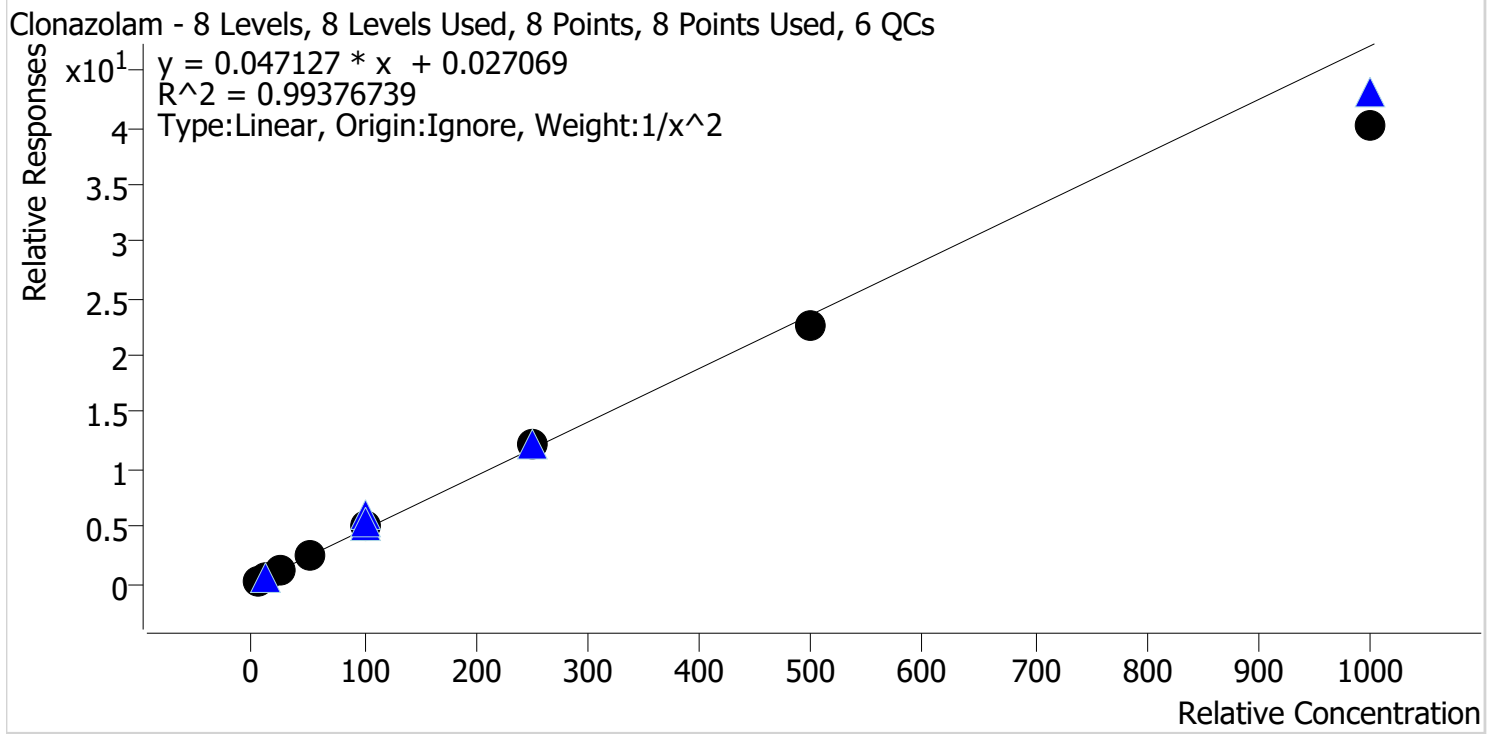
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1003.0	100.3

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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazolam **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	99.6
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.6
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	483.1	96.6
p1 Cal 8-1000ng	8	✓	1000.0	854.8	85.5

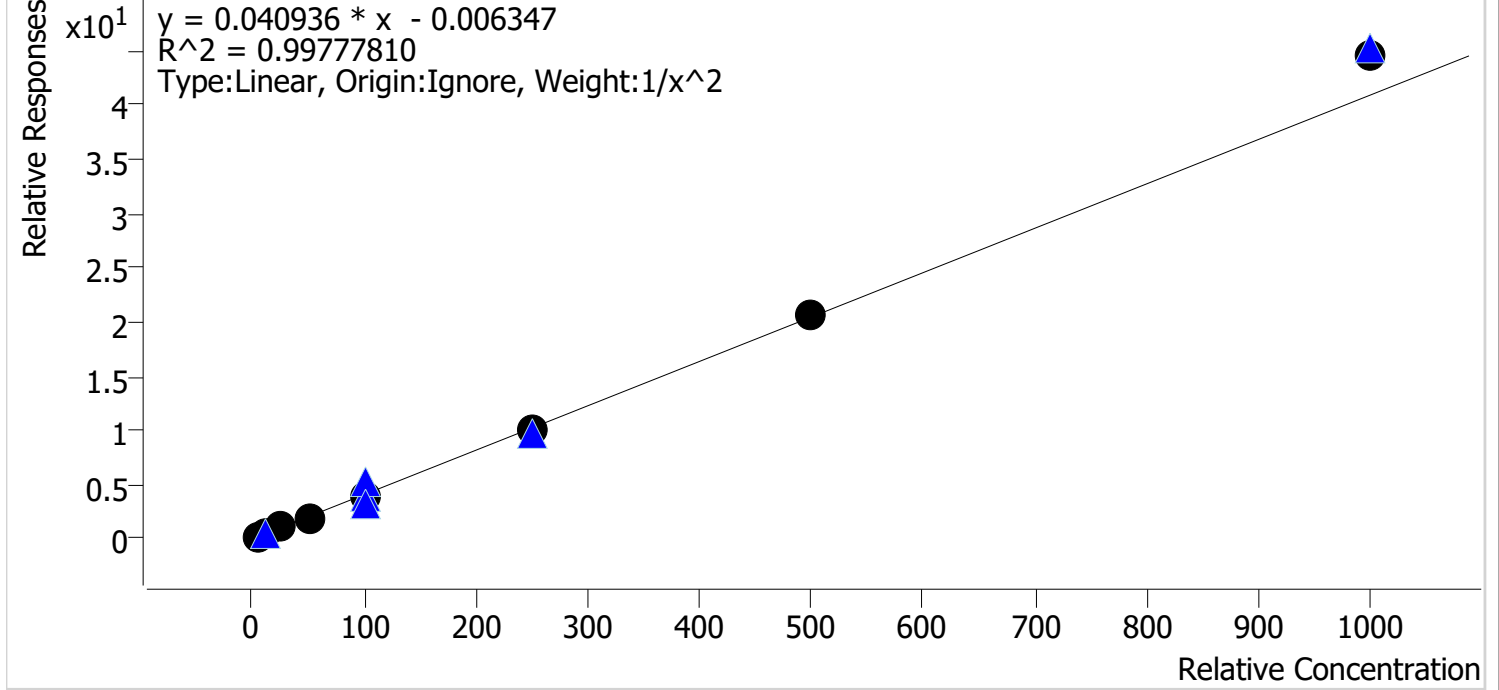
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

Etizolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 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	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	47.0	94.1
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	502.5	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1086.6	108.7

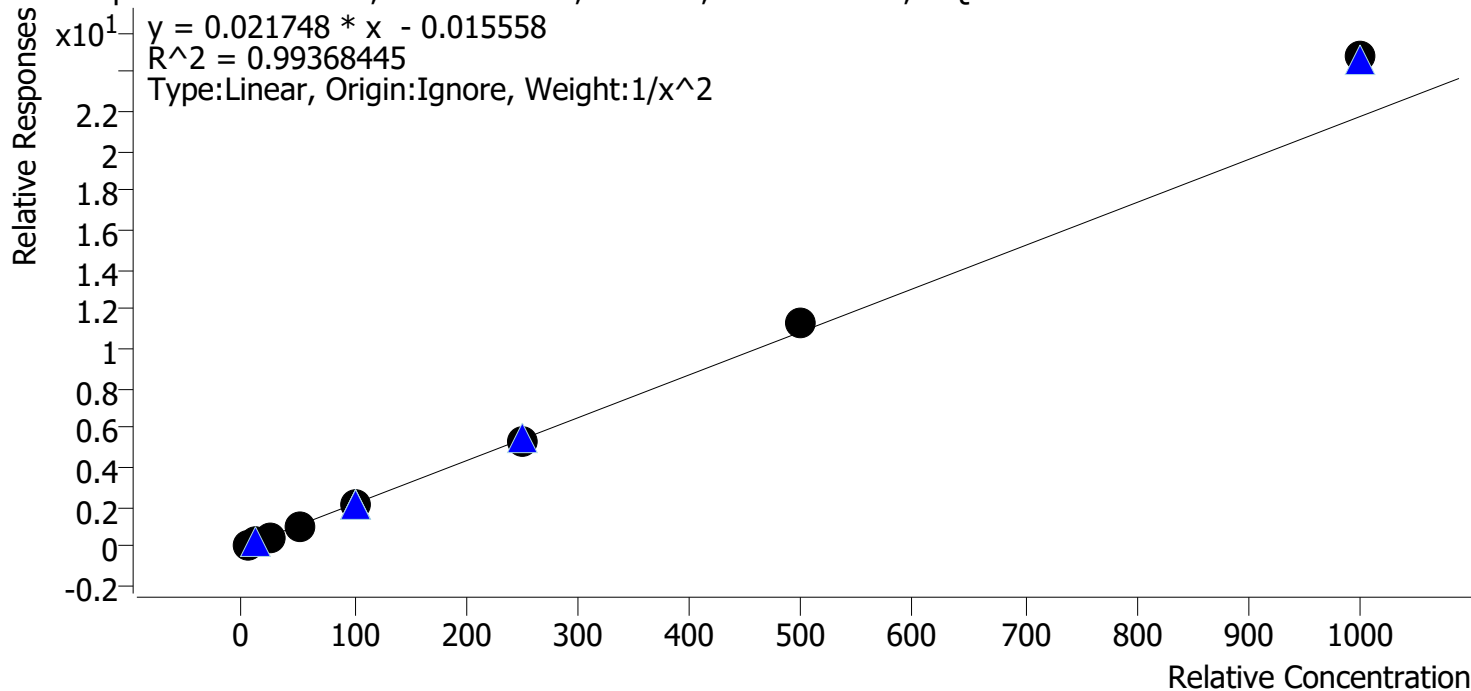
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

Pseudoephedrine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	46.7	93.5
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	522.0	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1139.1	113.9



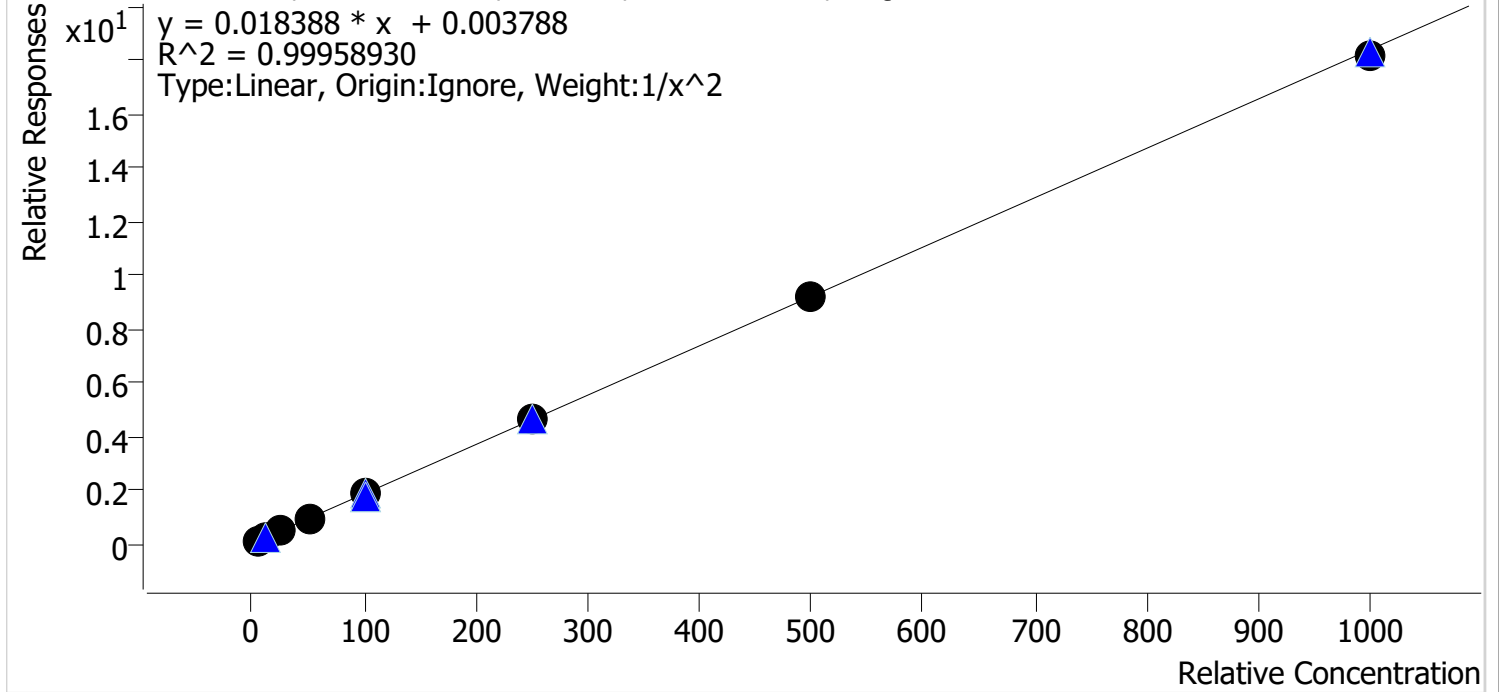
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3

Duloxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



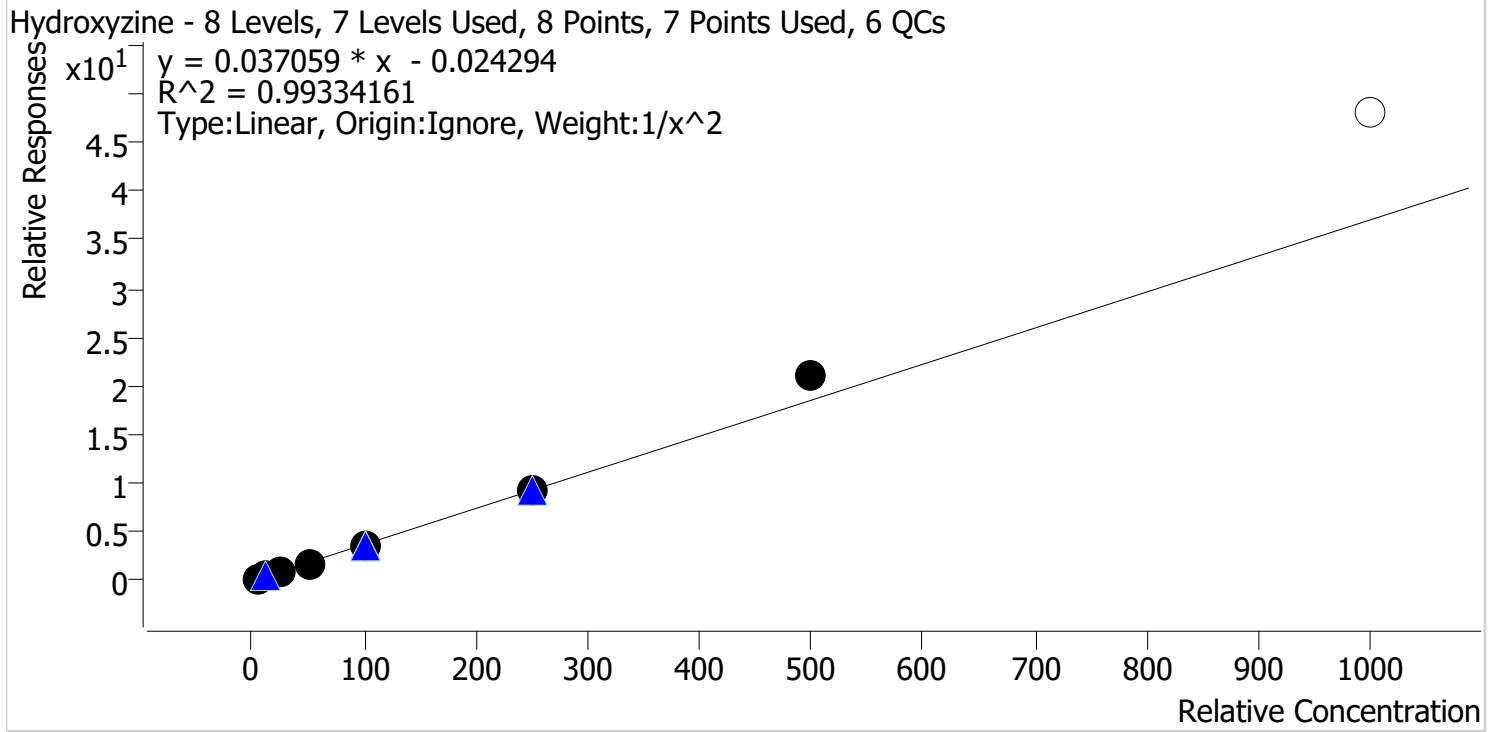
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✓	1000.0	989.4	98.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3



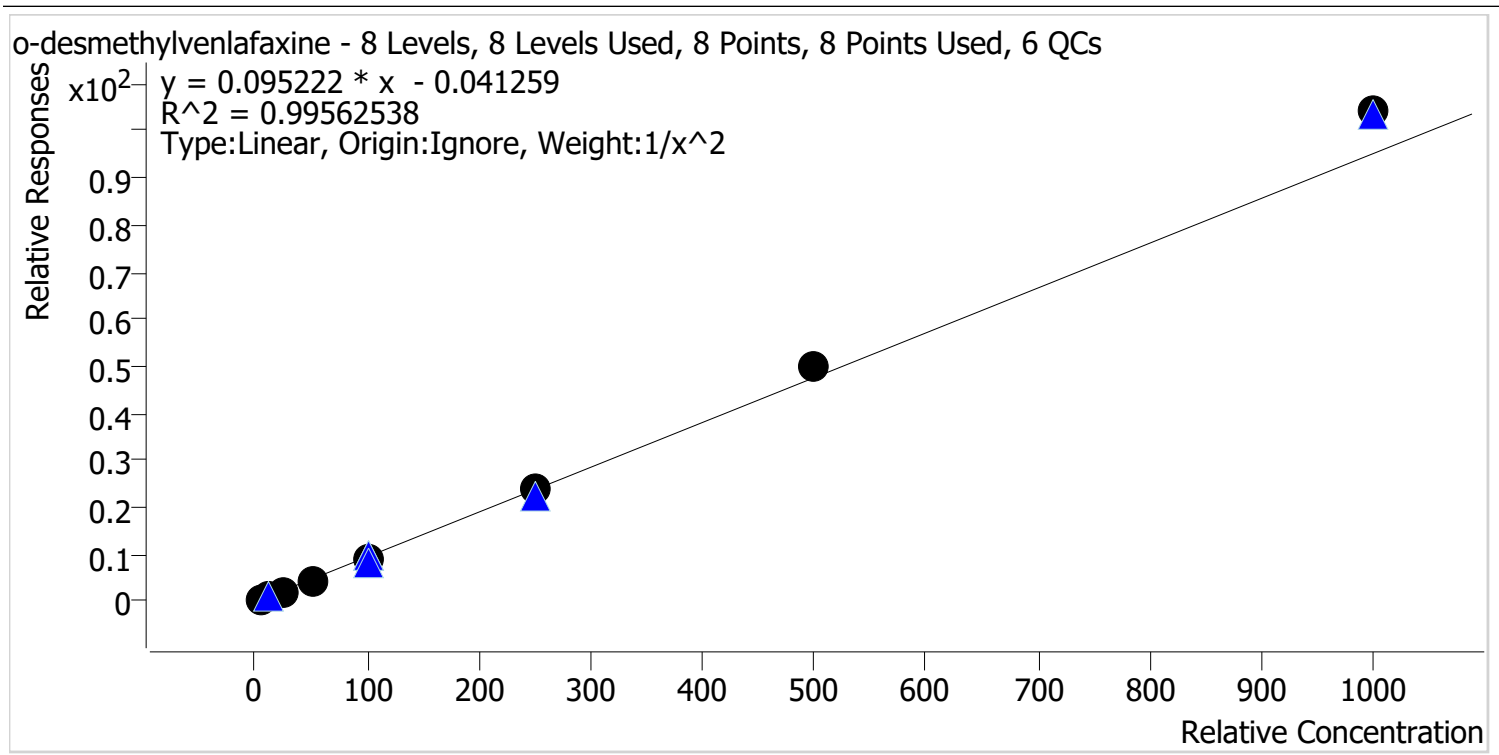
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	45.6	91.1
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	567.3	113.5
p1 Cal 8-1000ng	8	✗	1000.0	1301.7	130.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	103.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.5
p1 Cal 4-50ng	4	✓	50.0	47.3	94.7
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	521.3	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1094.5	109.4

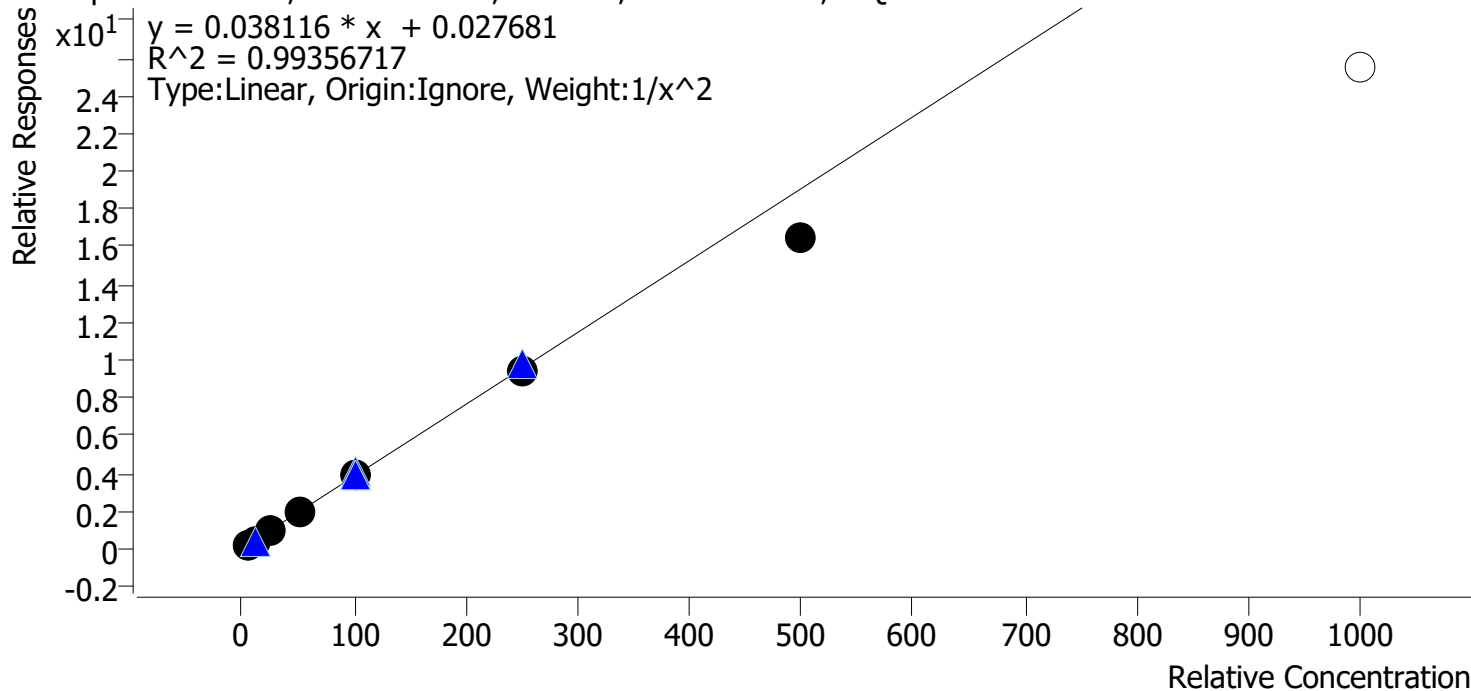
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8

Olanzapine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



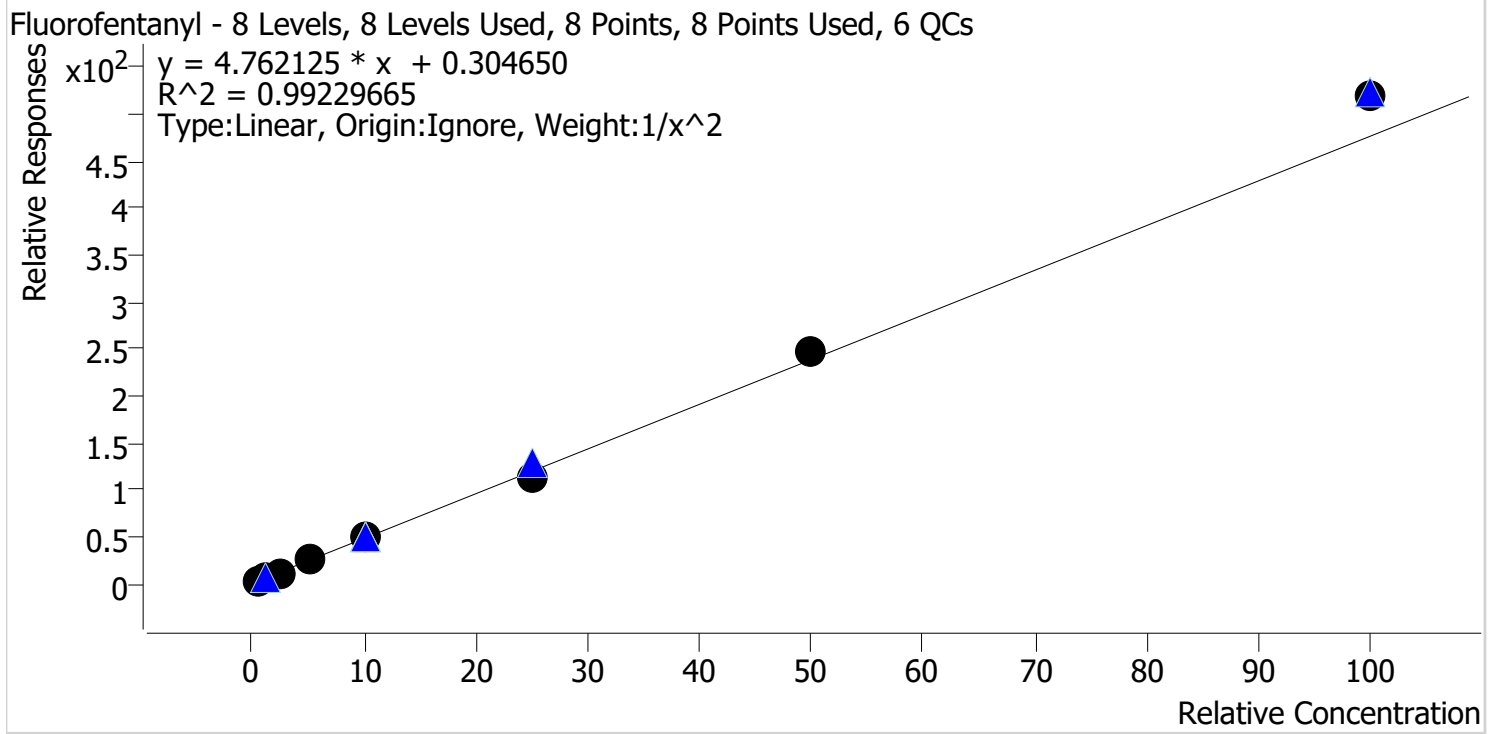
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.8
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	432.5	86.5
p1 Cal 8-1000ng	8	✗	1000.0	669.4	66.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5



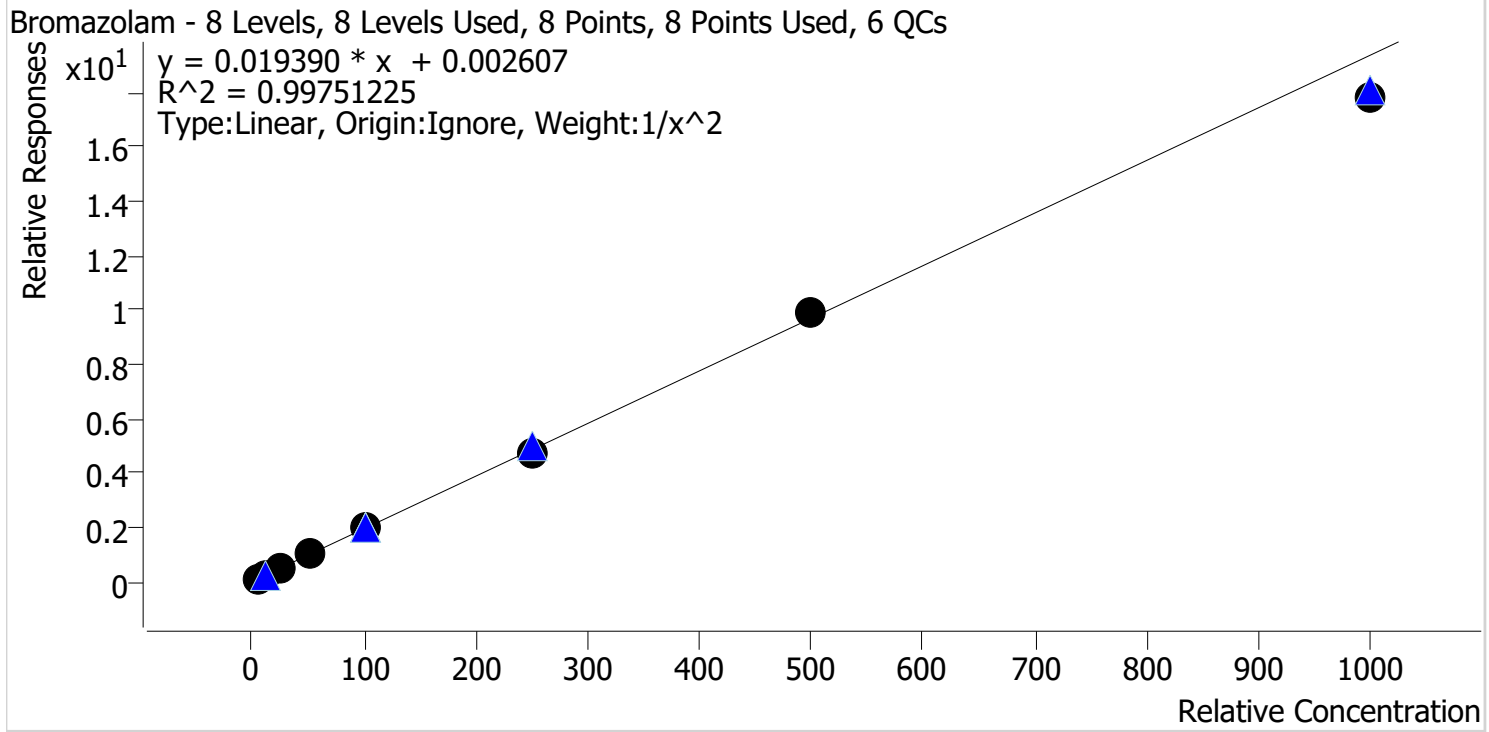
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.5
p1 Cal 2-10ng	2	✓	1.0	1.0	97.6
p1 Cal 3 -25ng	3	✓	2.5	2.1	85.3
p1 Cal 4-50ng	4	✓	5.0	5.4	107.3
p1 Cal 5-100ng	5	✓	10.0	10.0	99.5
p1 Cal 6-250ng	6	✓	25.0	23.7	94.6
p1 Cal 7-500ng	7	✓	50.0	51.5	102.9
p1 Cal 8-1000ng	8	✓	100.0	109.2	109.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	919.0	91.9

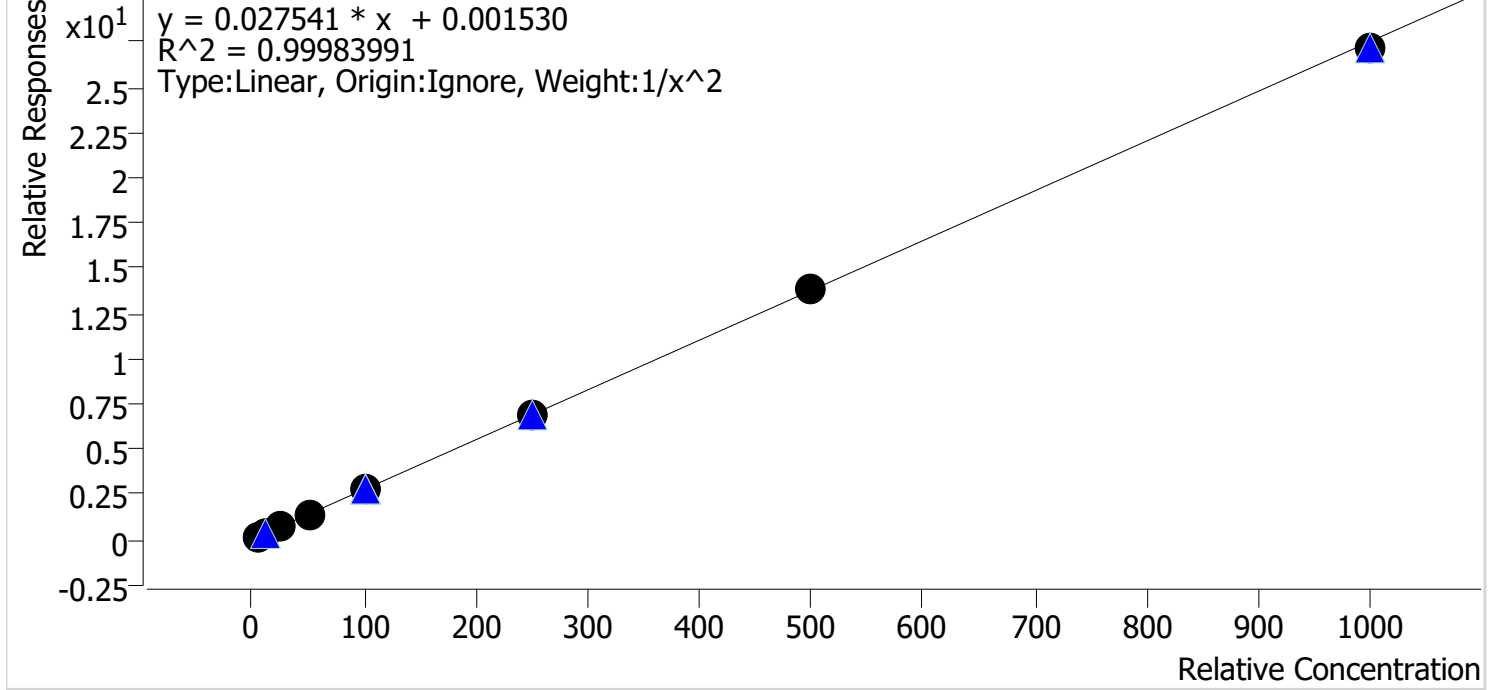
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Xylazine **Internal Standard** Xylanzine-D6

Xylazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	984.4	98.4

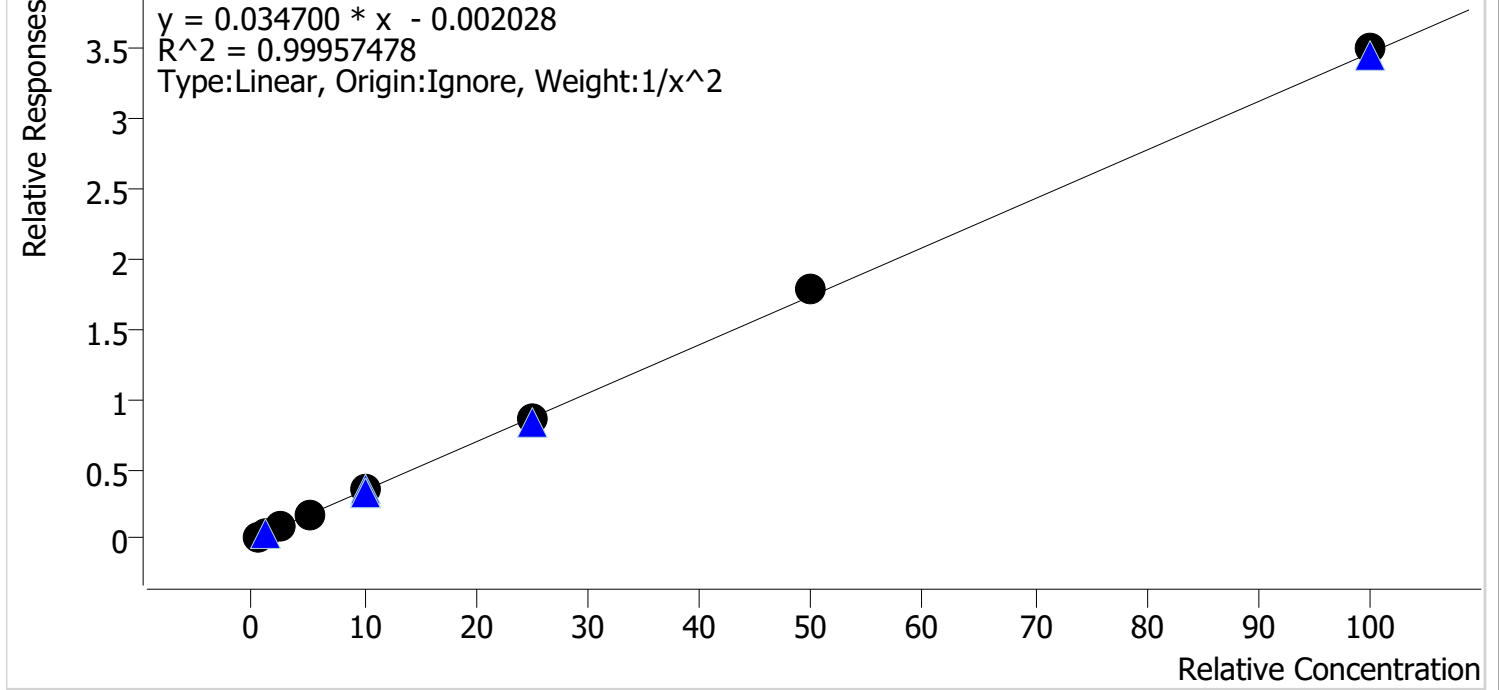
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.4
p1 Cal 2-10ng	2	✓	1.0	1.0	97.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.5
p1 Cal 4-50ng	4	✓	5.0	5.0	99.3
p1 Cal 5-100ng	5	✓	10.0	10.0	99.7
p1 Cal 6-250ng	6	✓	25.0	24.7	99.0
p1 Cal 7-500ng	7	✓	50.0	51.7	103.4
p1 Cal 8-1000ng	8	✓	100.0	100.9	100.9



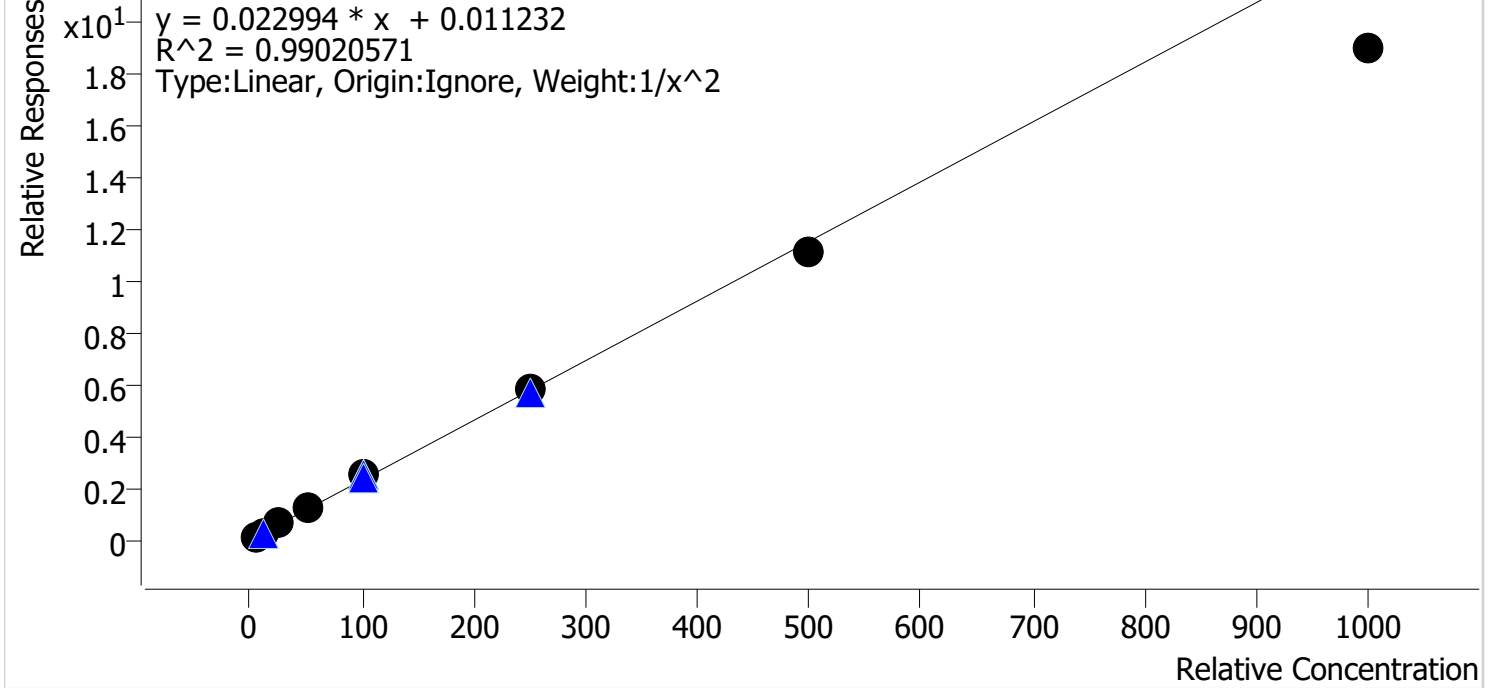
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



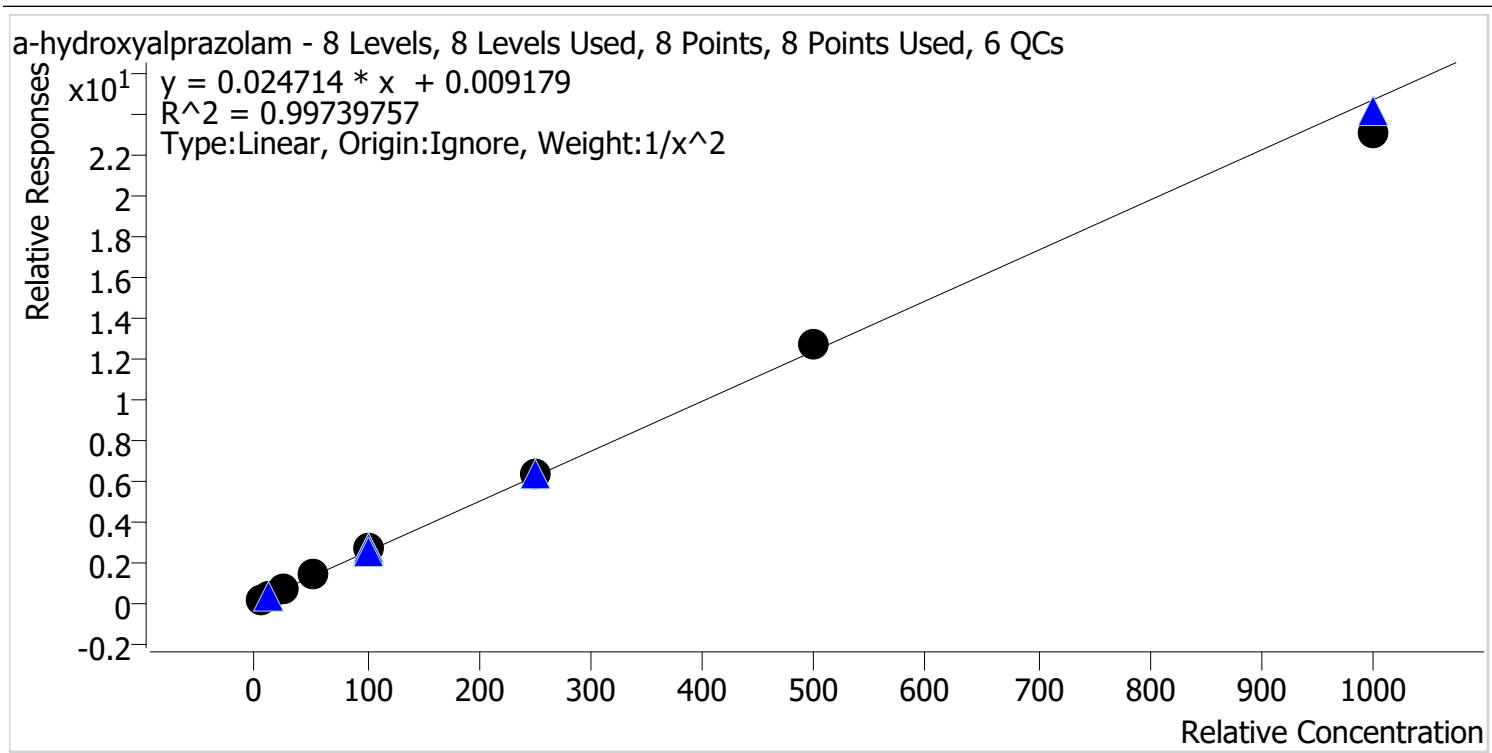
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.6
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	108.8	108.8
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	479.3	95.9
p1 Cal 8-1000ng	8	✓	1000.0	822.9	82.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-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	9.4	93.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	511.6	102.3
p1 Cal 8-1000ng	8	✓	1000.0	933.3	93.3

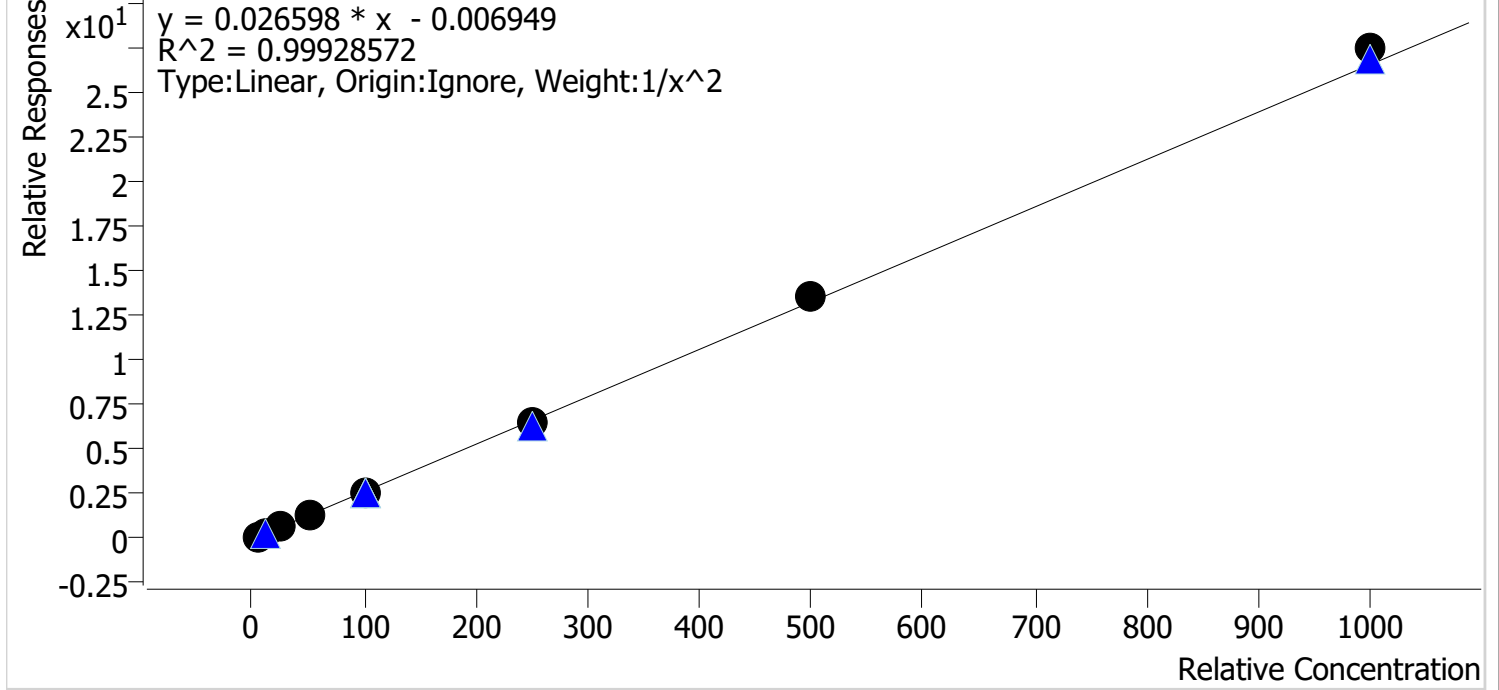
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-D8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



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	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	246.6	98.7
p1 Cal 7-500ng	7	✓	500.0	512.5	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1033.8	103.4

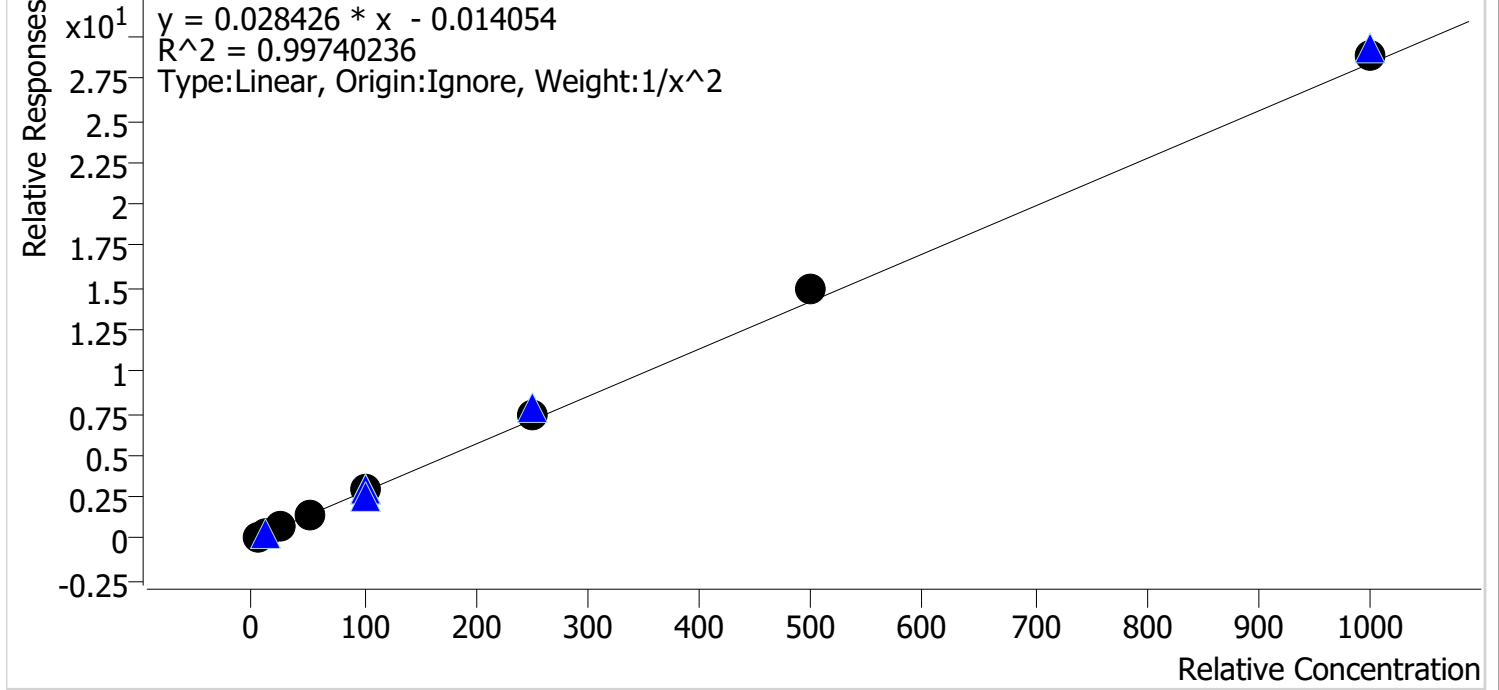
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	47.0	94.1
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	522.9	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1019.4	101.9

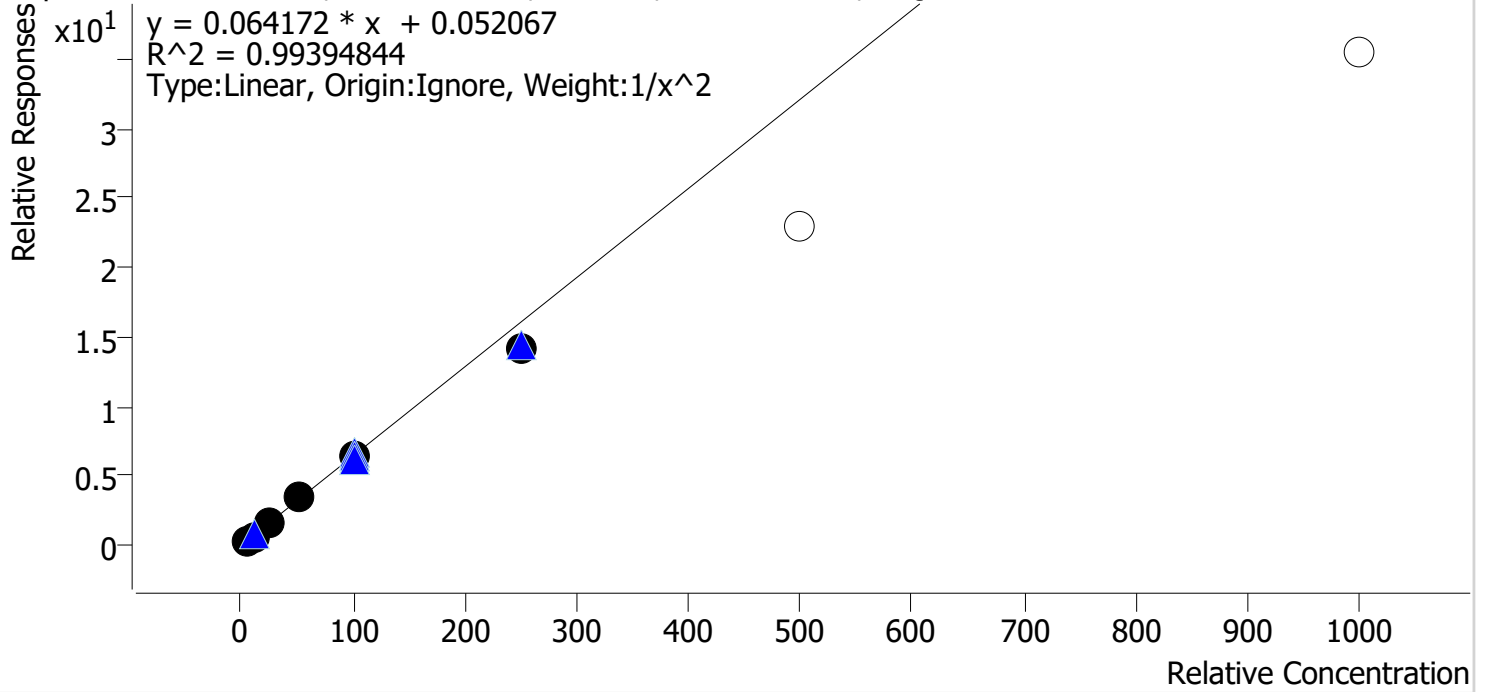
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 6 QCs



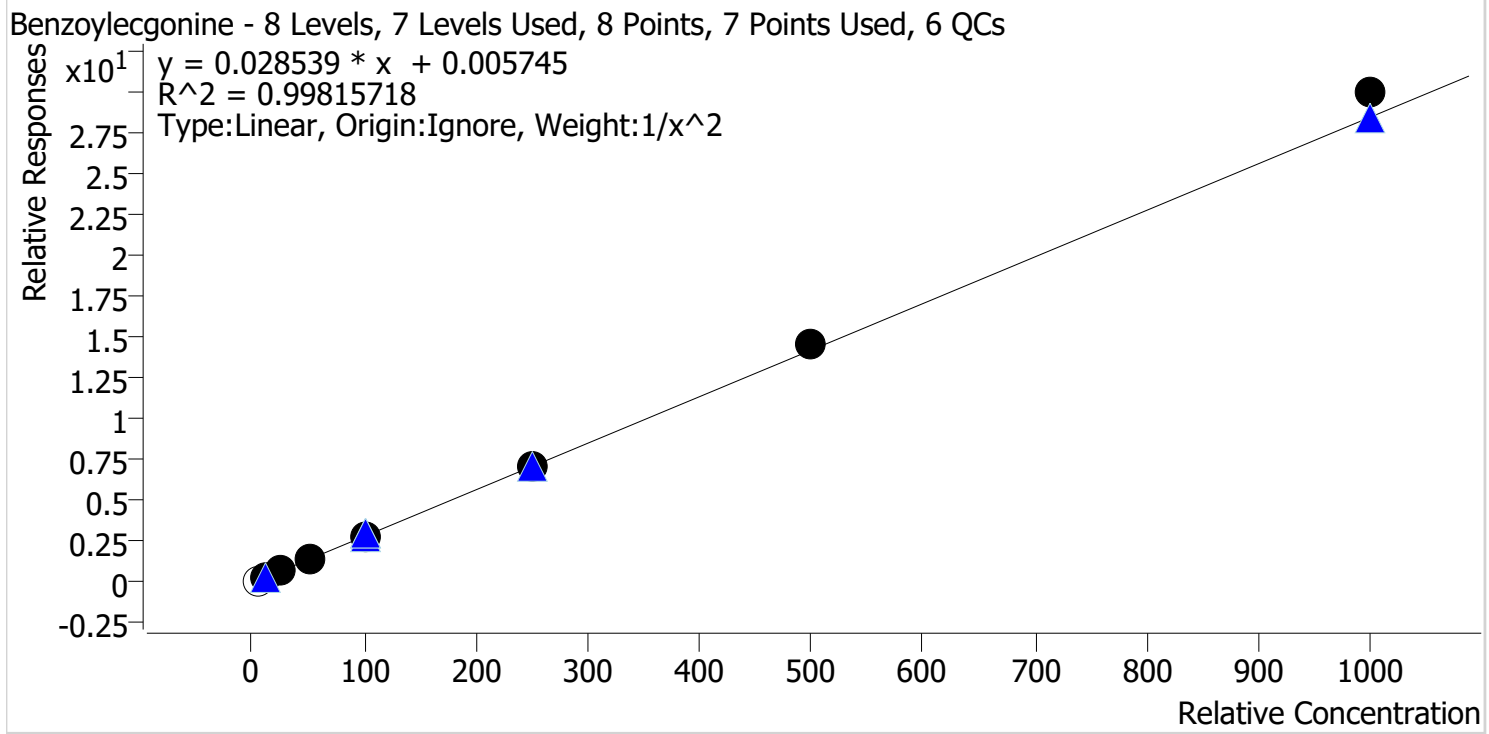
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.6
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	221.5	88.6
p1 Cal 7-500ng	7	x	500.0	358.3	71.7
p1 Cal 8-1000ng	8	x	1000.0	552.3	55.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



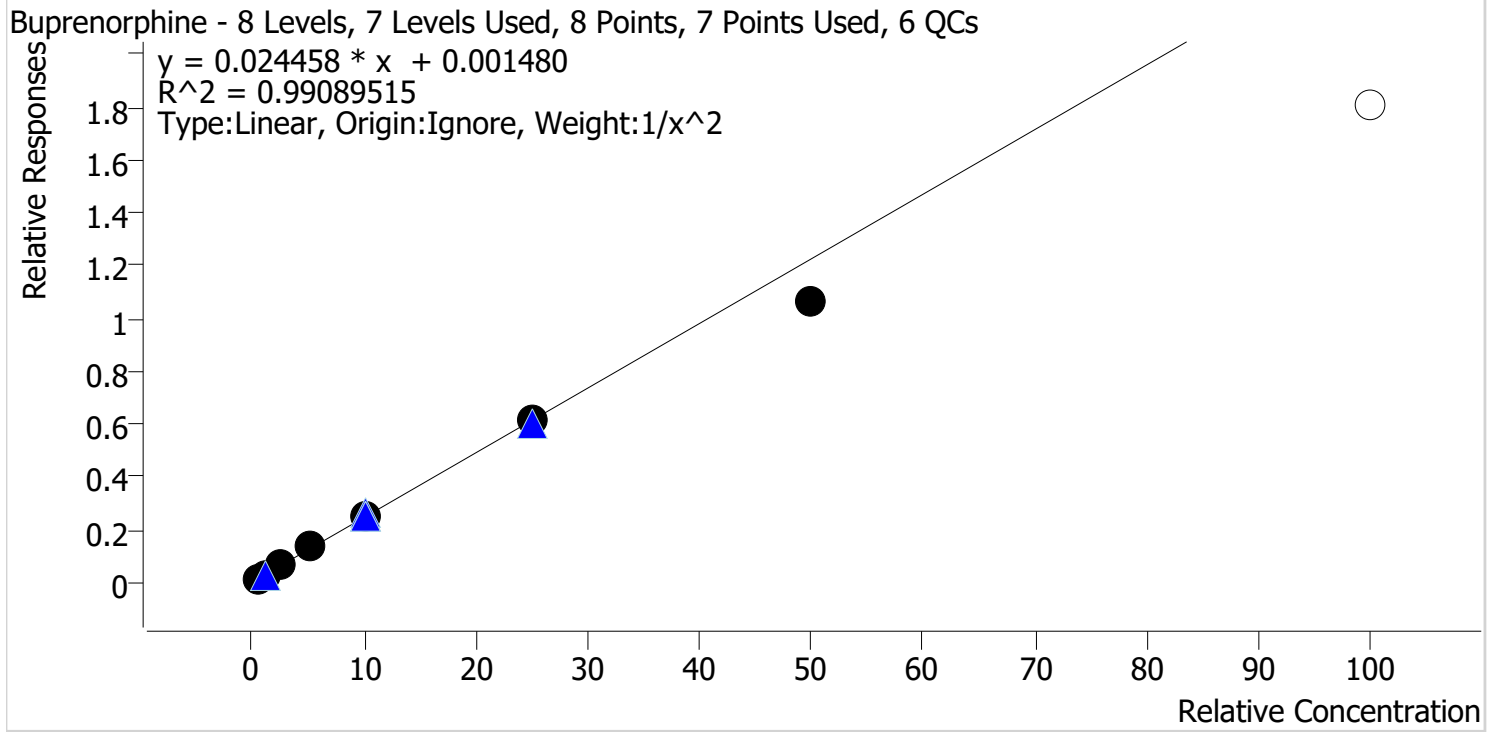
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	47.8	95.5
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	511.0	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1052.8	105.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



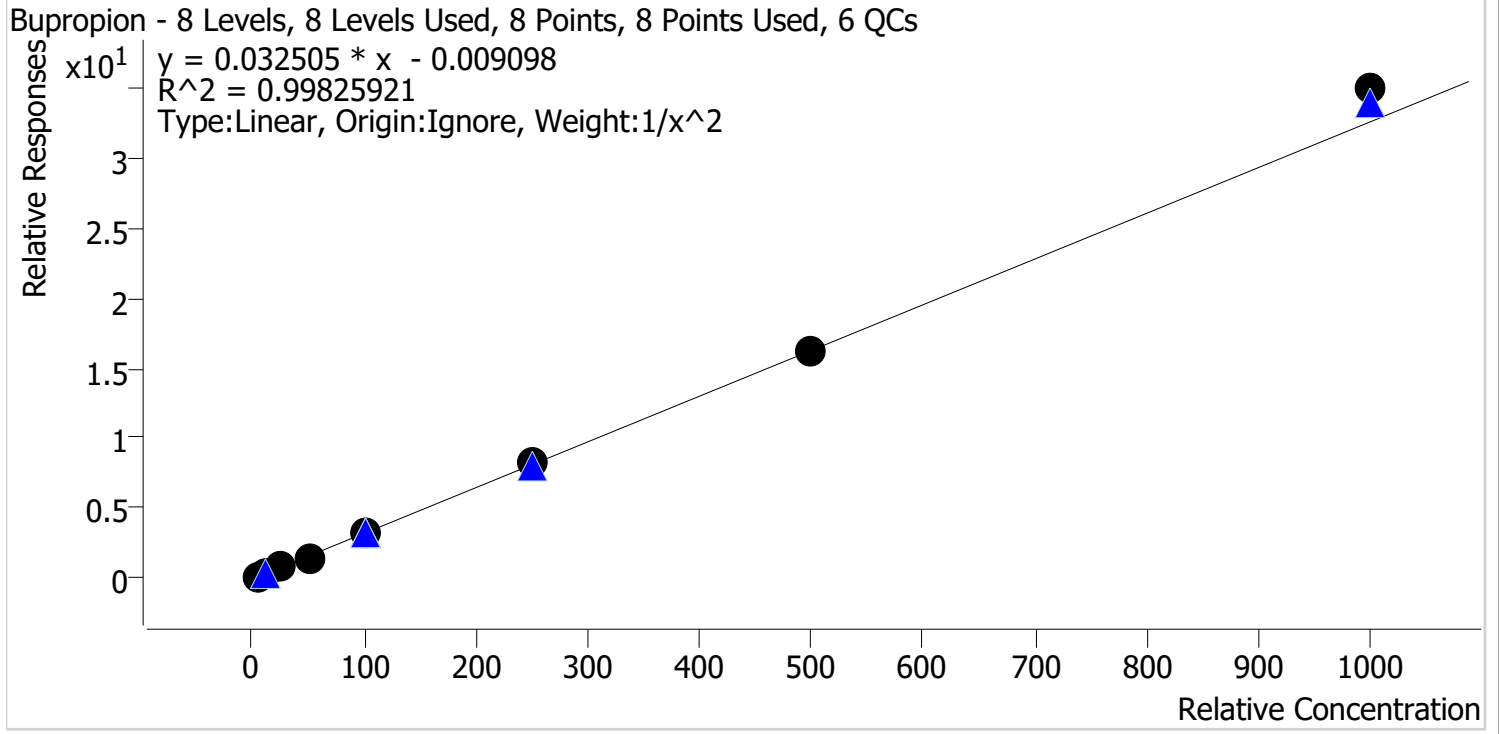
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.3
p1 Cal 2-10ng	2	✓	1.0	0.9	92.6
p1 Cal 3 -25ng	3	✓	2.5	2.7	107.2
p1 Cal 4-50ng	4	✓	5.0	5.6	111.2
p1 Cal 5-100ng	5	✓	10.0	10.1	101.2
p1 Cal 6-250ng	6	✓	25.0	24.8	99.3
p1 Cal 7-500ng	7	✓	50.0	43.7	87.4
p1 Cal 8-1000ng	8	✗	100.0	73.7	73.7

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1072.8	107.3

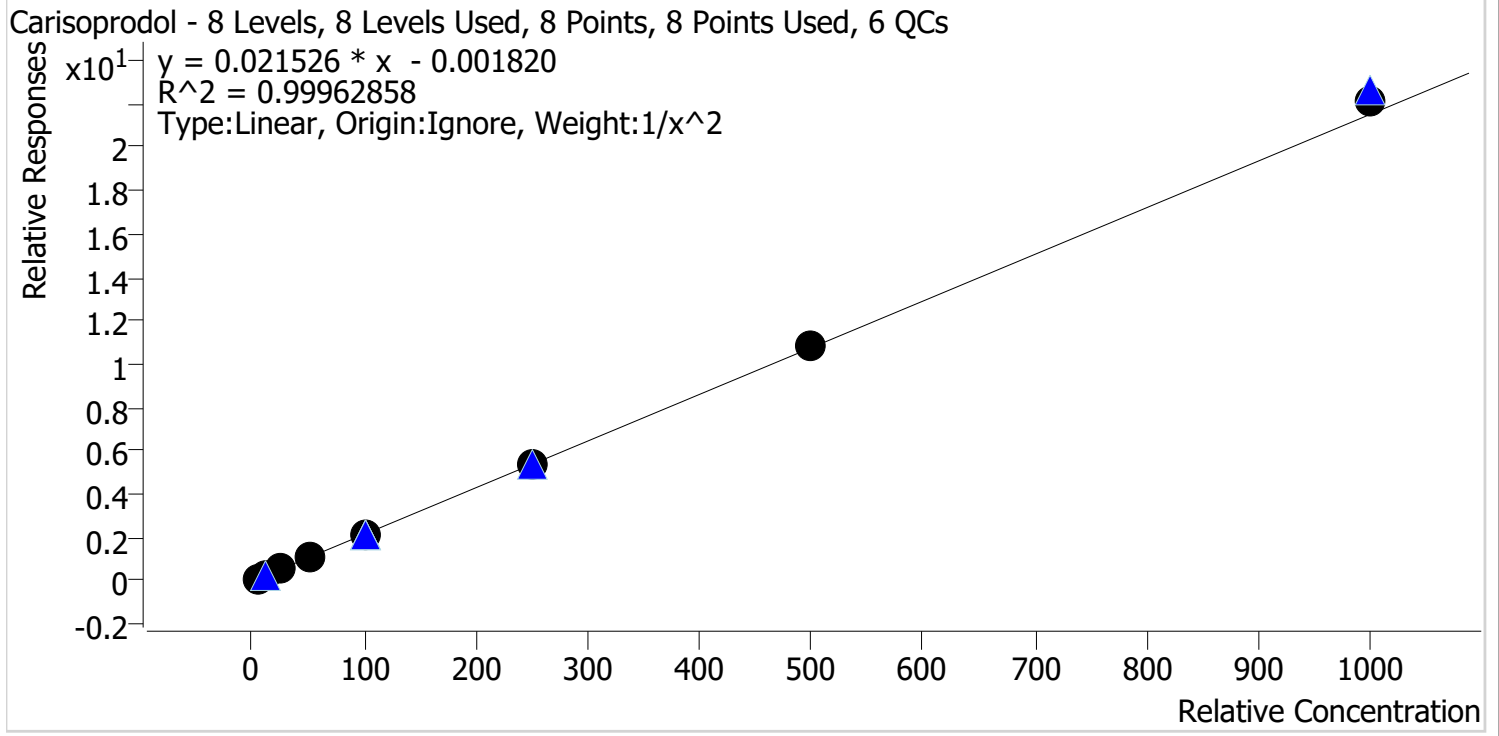


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



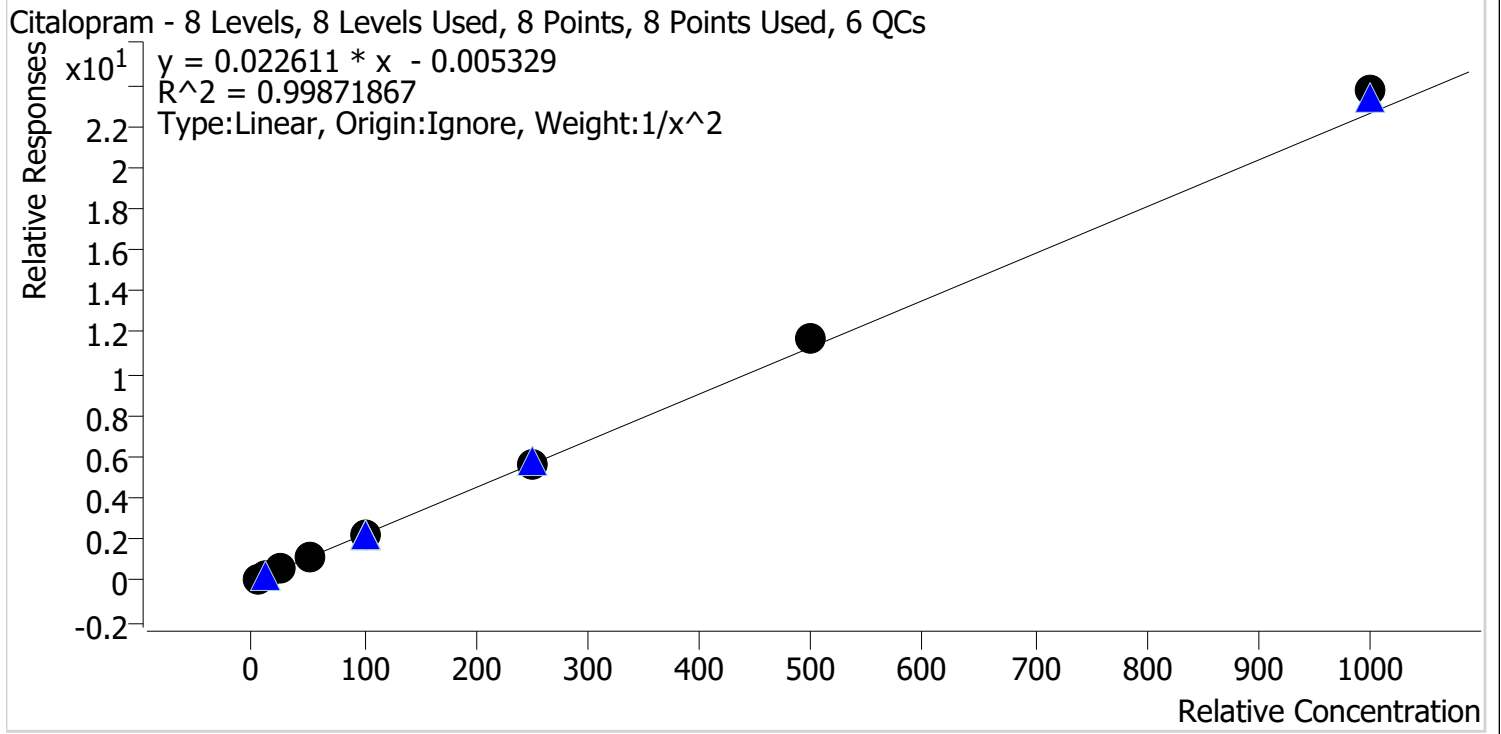
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1028.1	102.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6



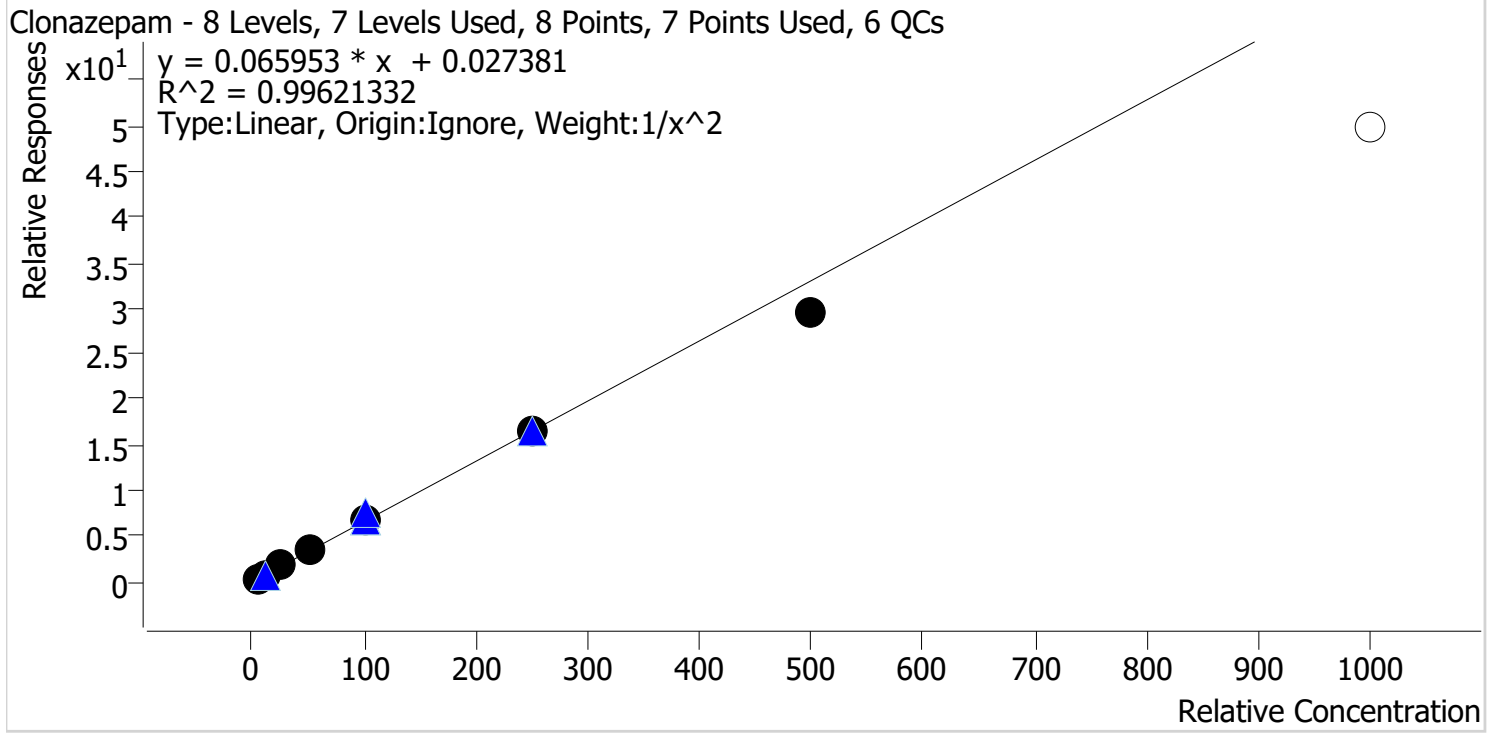
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	519.5	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1048.6	104.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	448.3	89.7
p1 Cal 8-1000ng	8	✗	1000.0	752.3	75.2

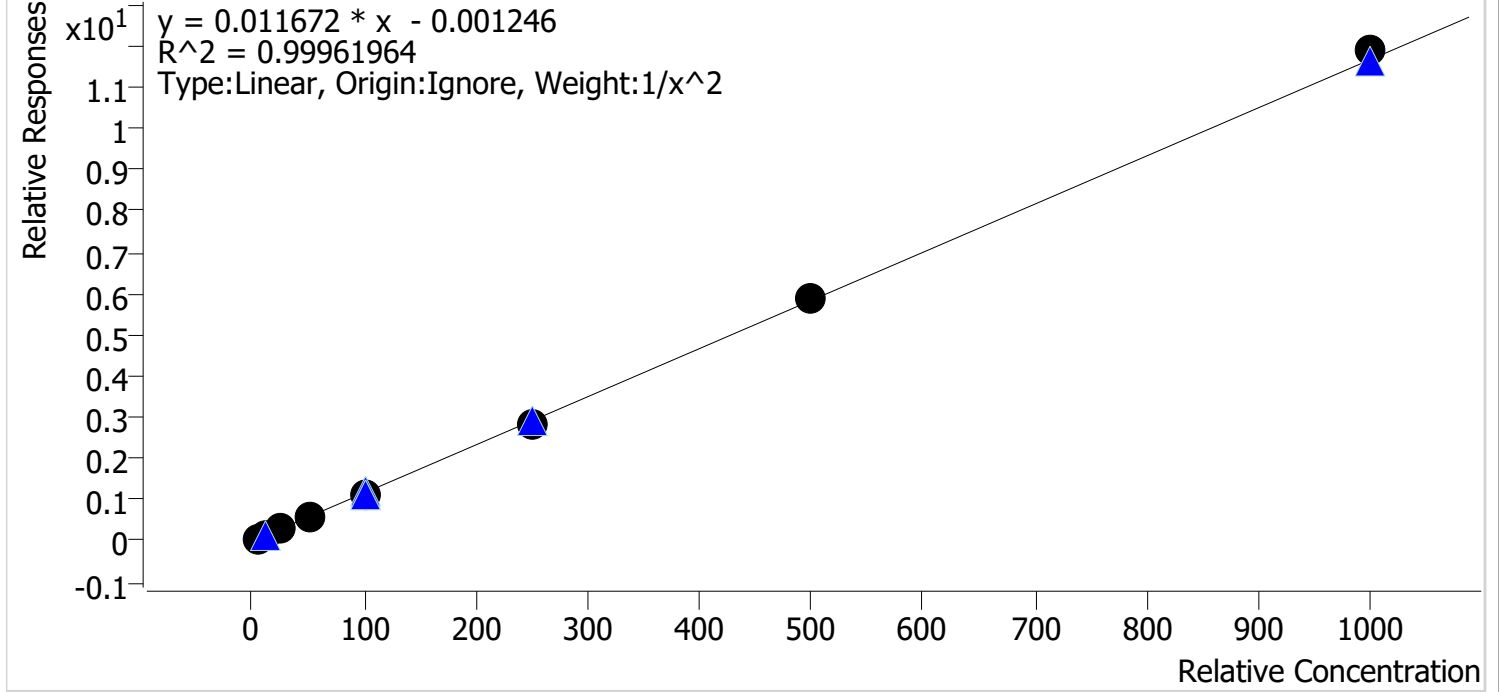
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-D3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



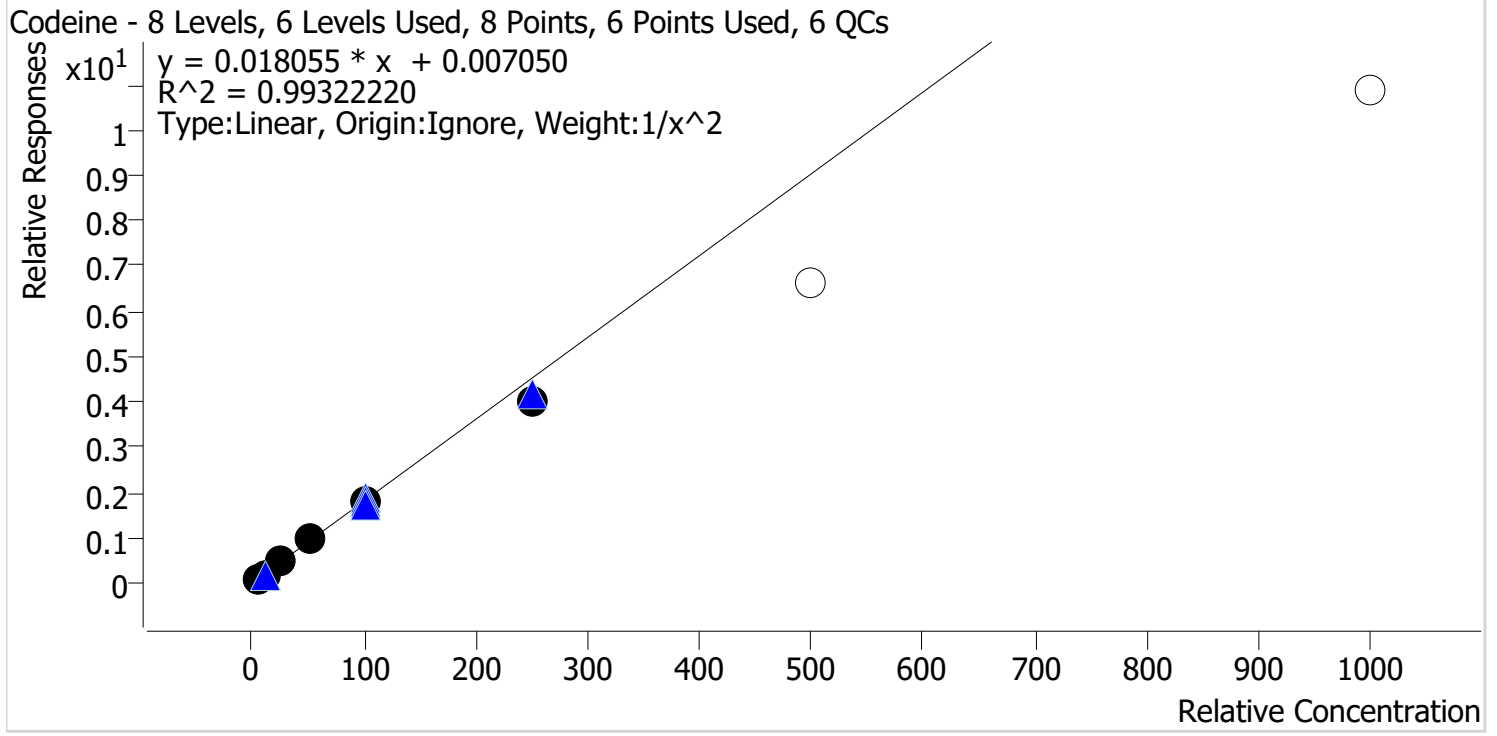
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	507.2	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1018.9	101.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	220.5	88.2
p1 Cal 7-500ng	7	x	500.0	366.0	73.2
p1 Cal 8-1000ng	8	x	1000.0	600.9	60.1

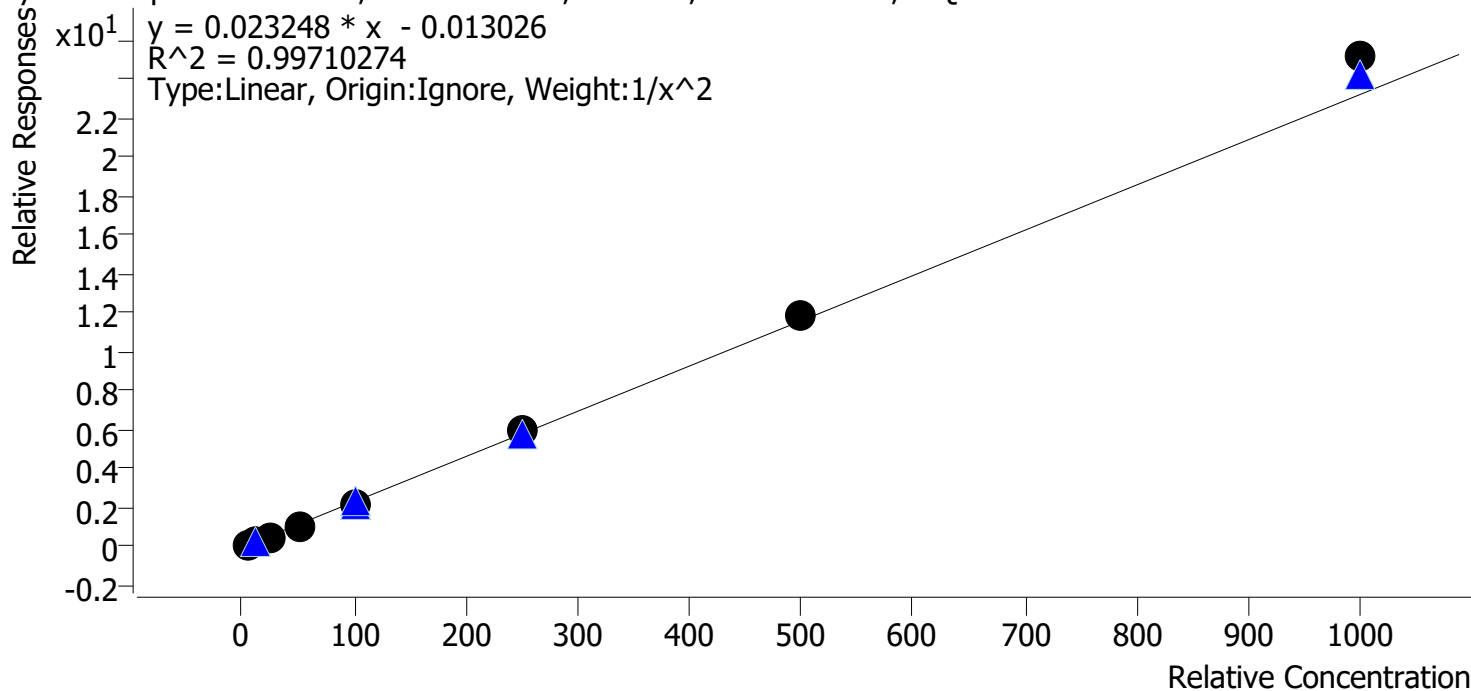
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	514.4	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1083.7	108.4

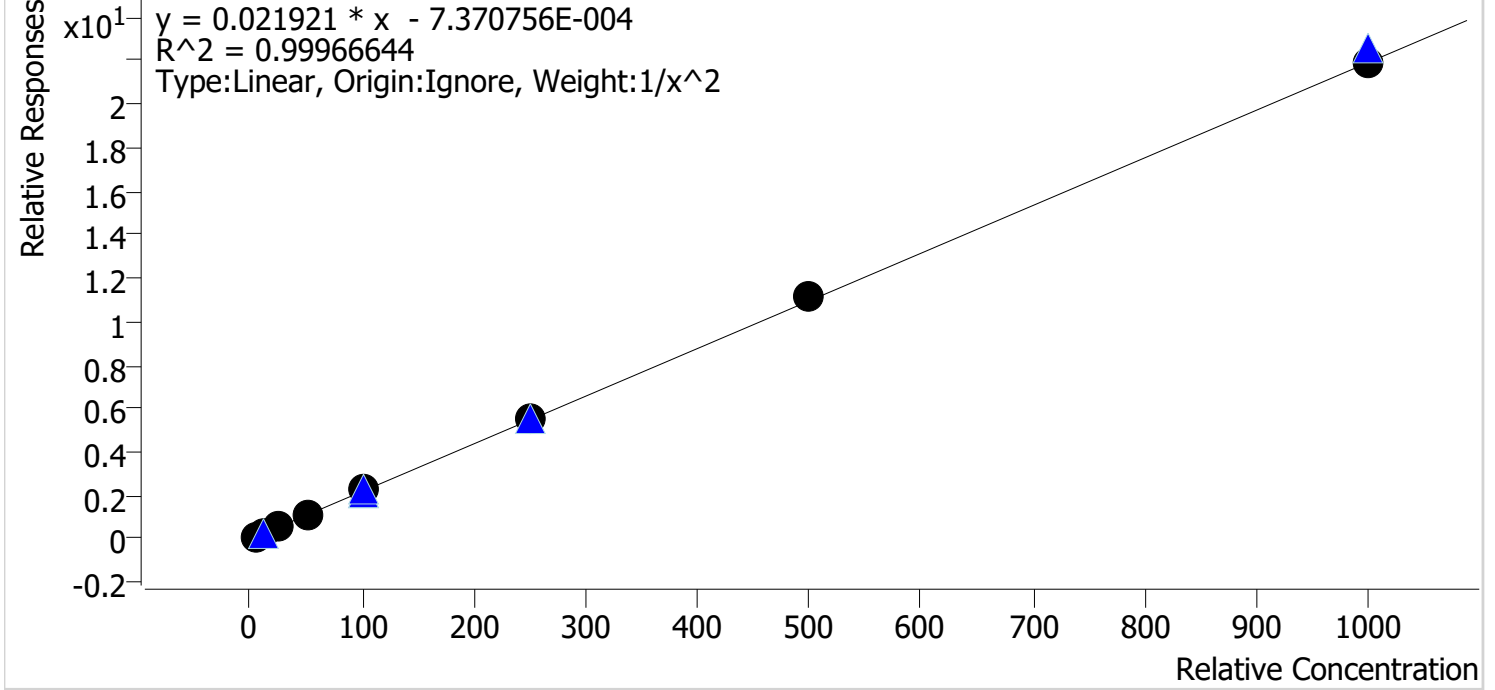
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



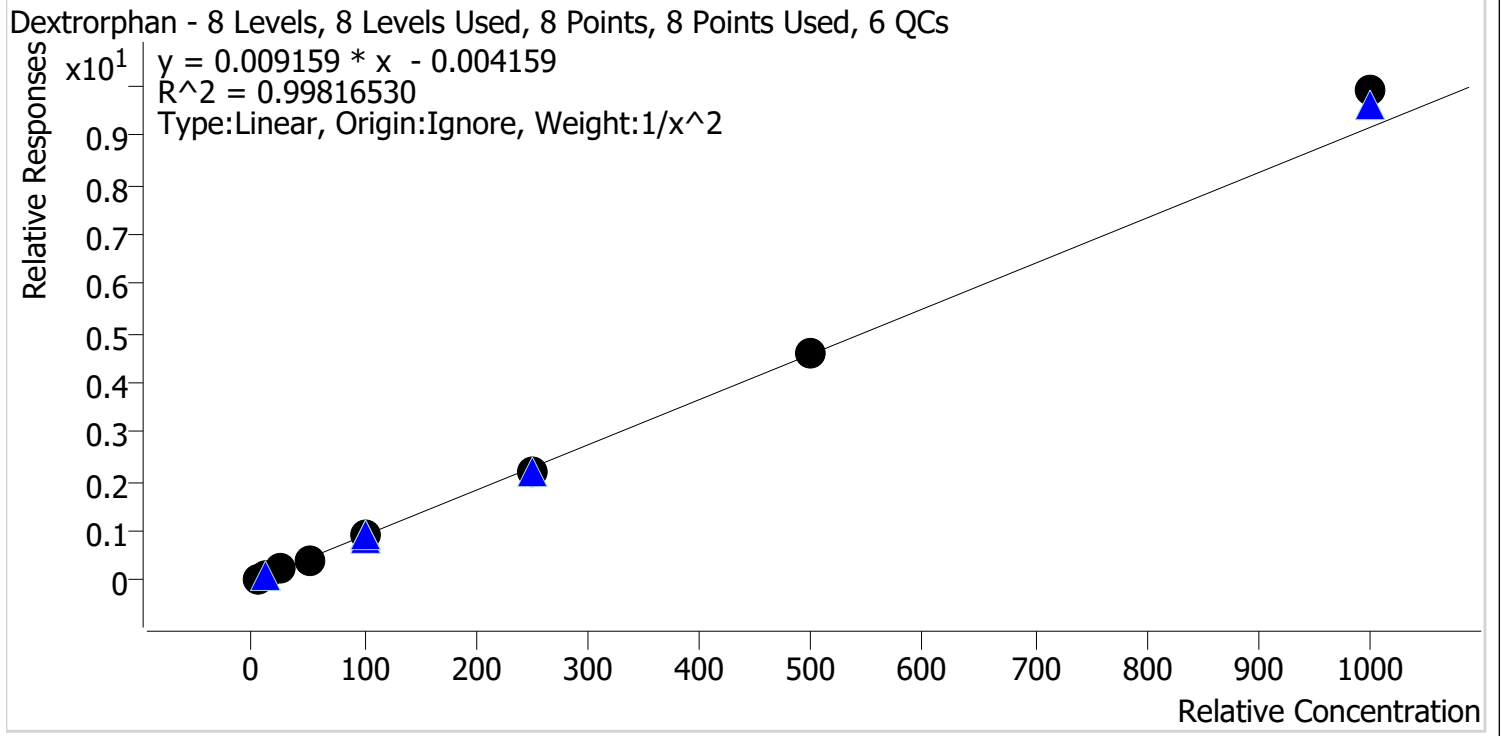
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	996.8	99.7

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrophan **Internal Standard** Dextrophan-D3



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	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.3	96.7
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	505.3	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1081.0	108.1

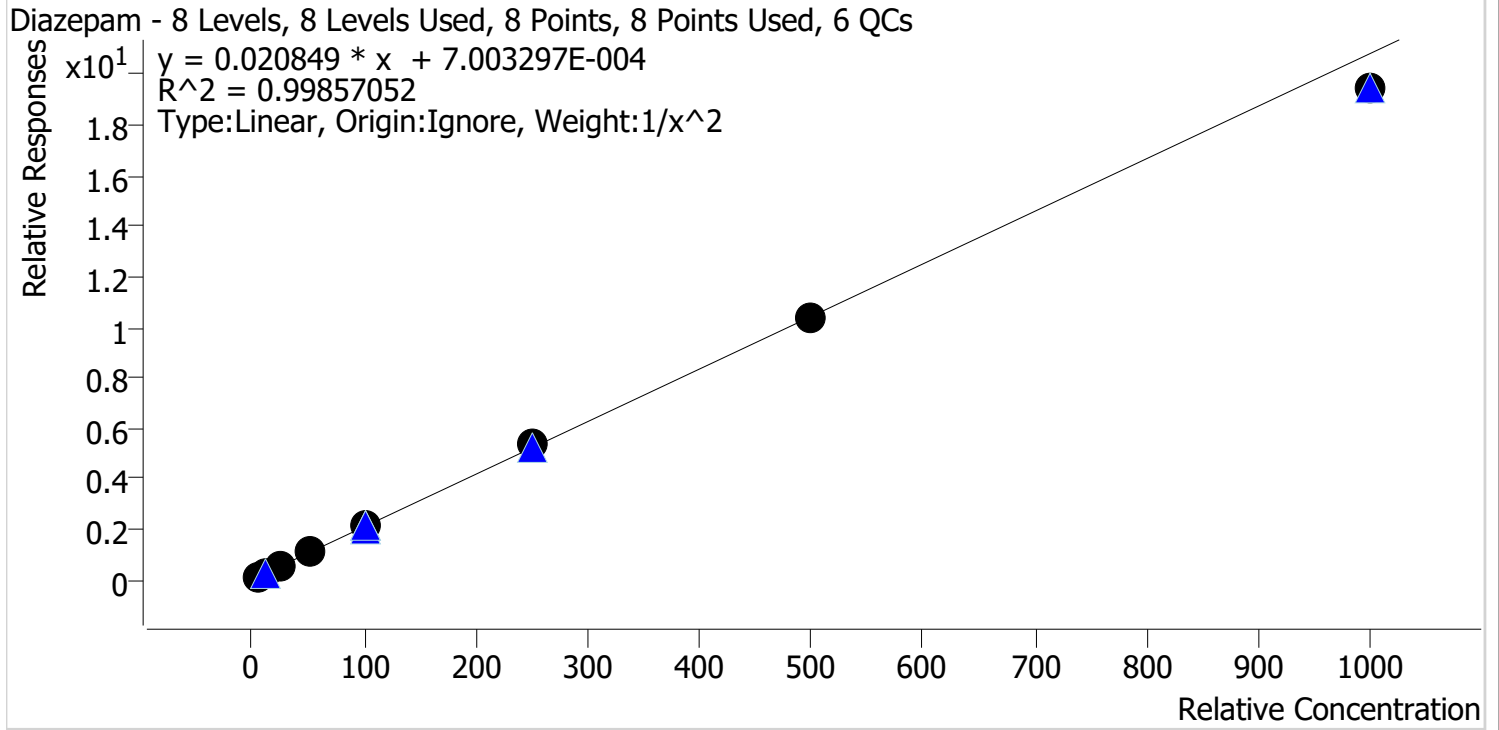


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	100.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	931.2	93.1

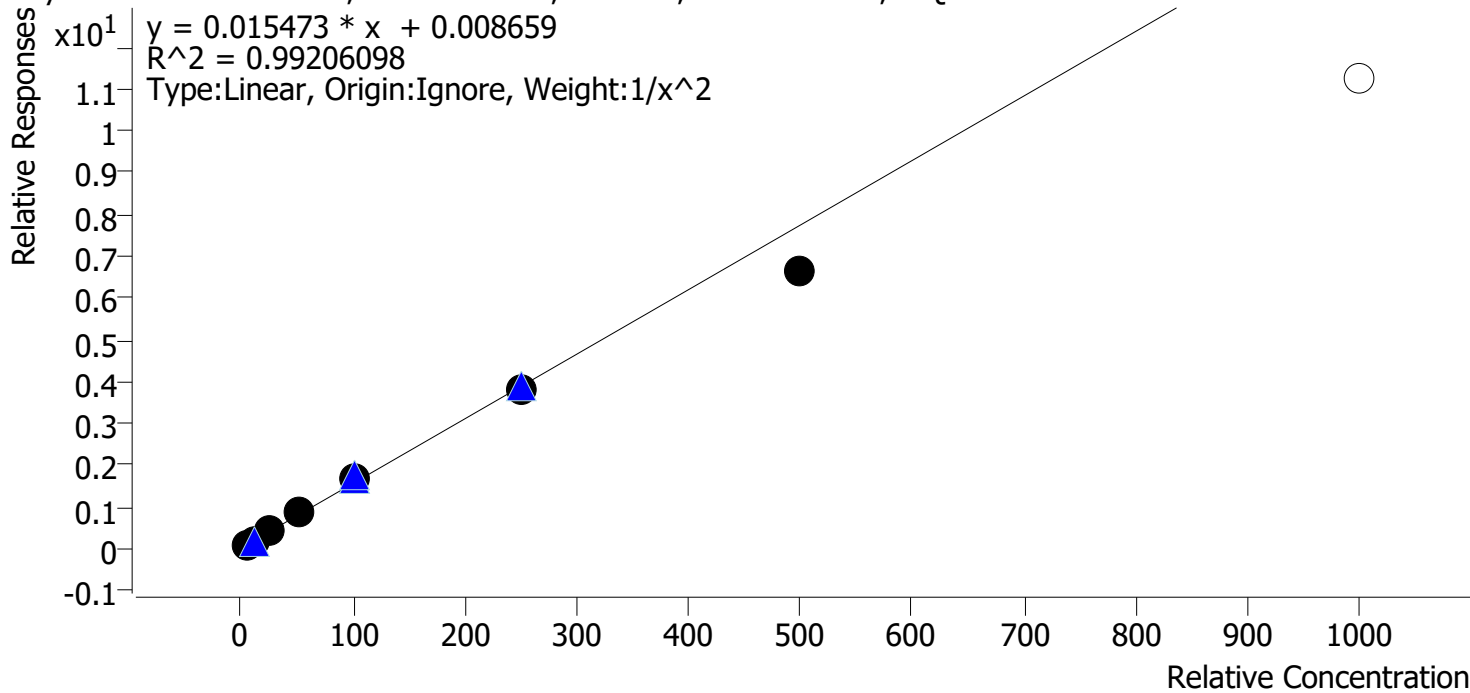
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



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	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	426.0	85.2
p1 Cal 8-1000ng	8	✗	1000.0	726.8	72.7

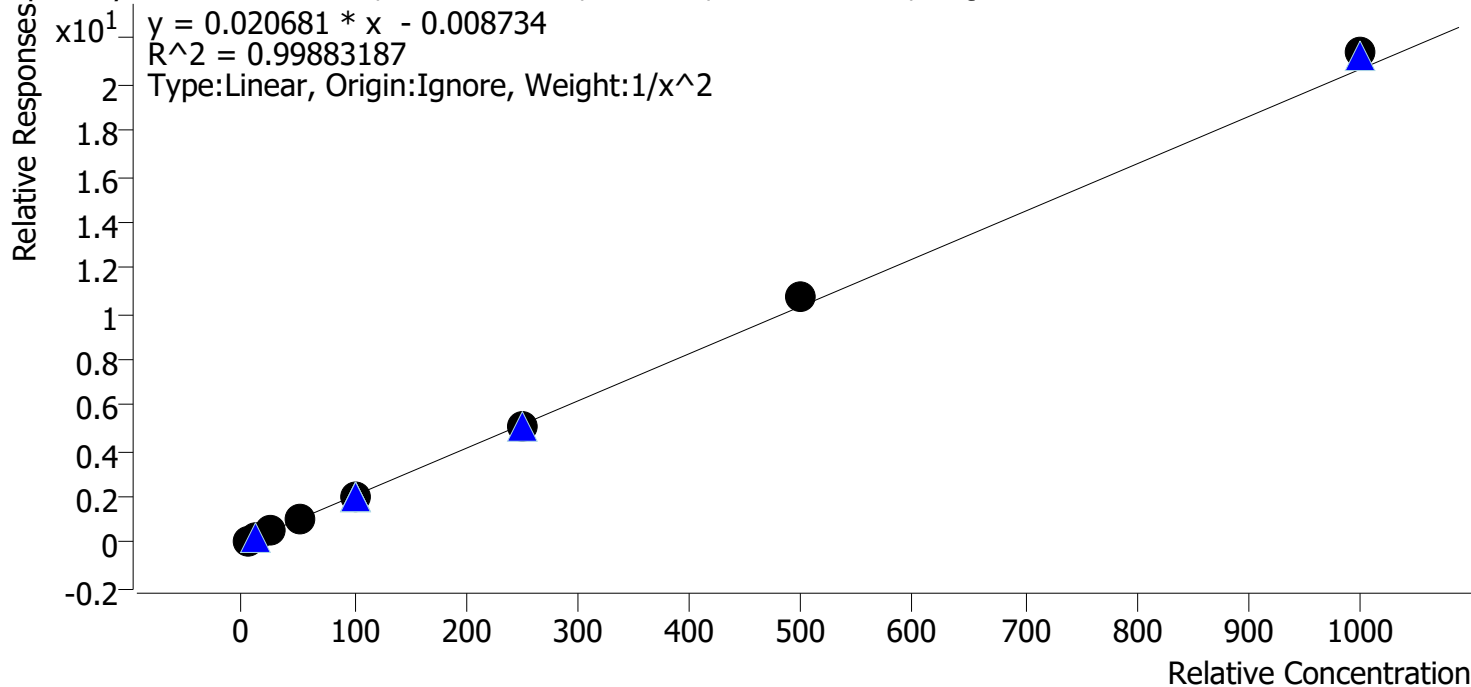
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



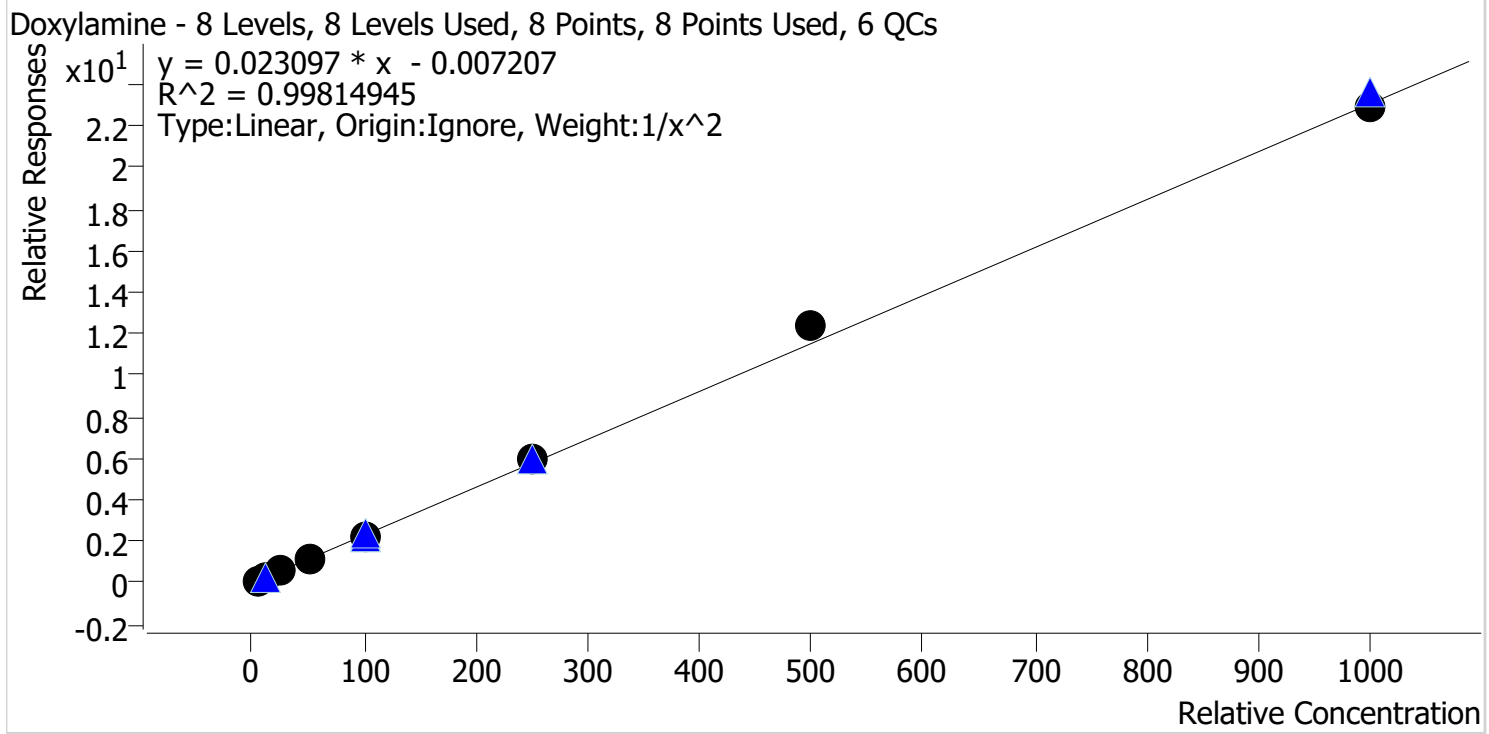
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	518.8	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1035.1	103.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	257.1	102.8
p1 Cal 7-500ng	7	✓	500.0	534.5	106.9
p1 Cal 8-1000ng	8	✓	1000.0	992.9	99.3

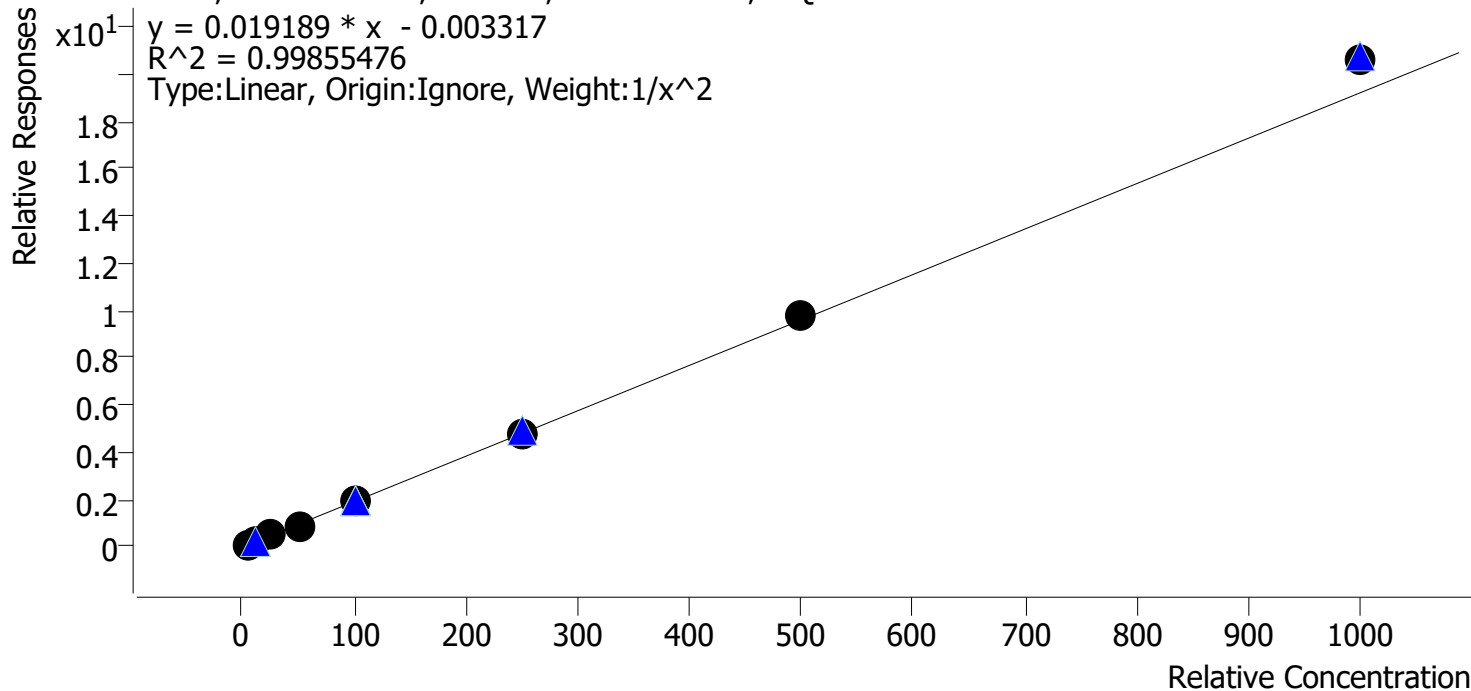
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	505.8	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1069.6	107.0

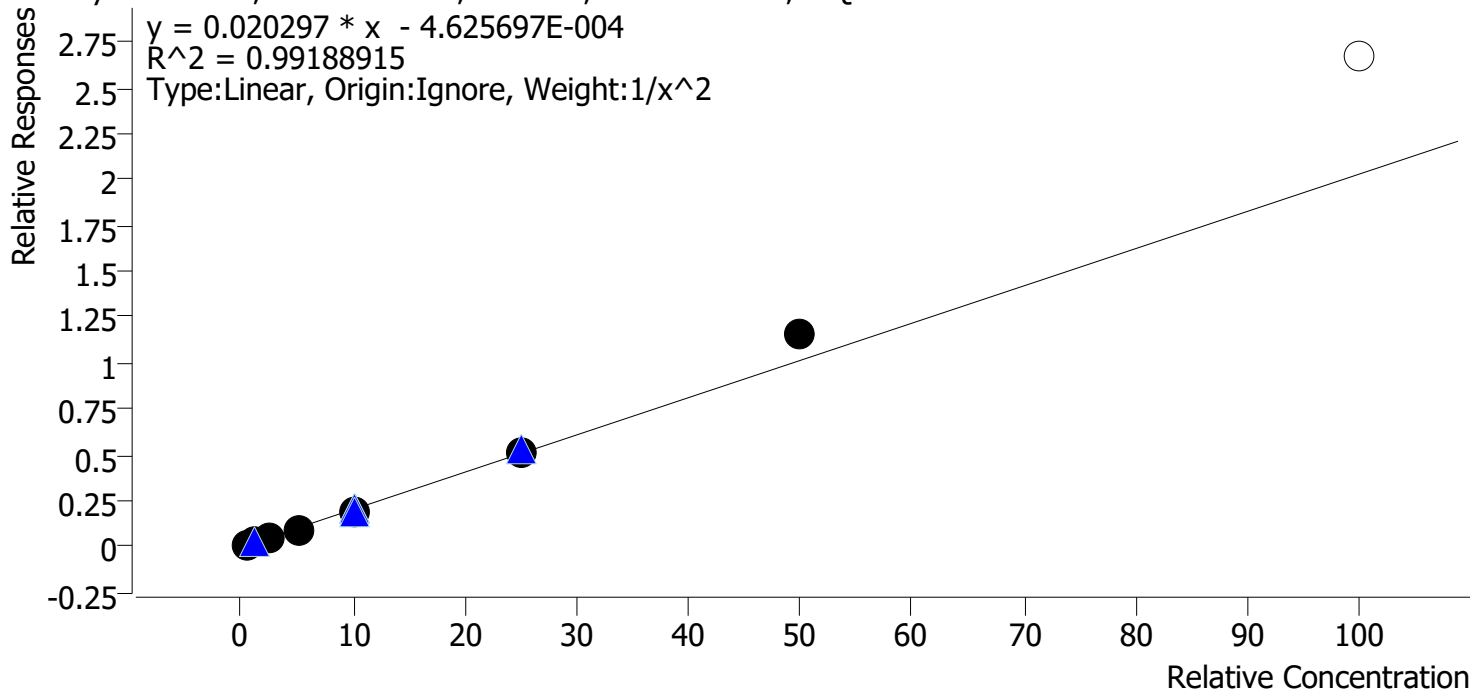
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 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	94.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.8
p1 Cal 4-50ng	4	✓	5.0	4.7	94.9
p1 Cal 5-100ng	5	✓	10.0	9.7	96.6
p1 Cal 6-250ng	6	✓	25.0	25.5	102.1
p1 Cal 7-500ng	7	✓	50.0	57.2	114.4
p1 Cal 8-1000ng	8	✗	100.0	131.6	131.6

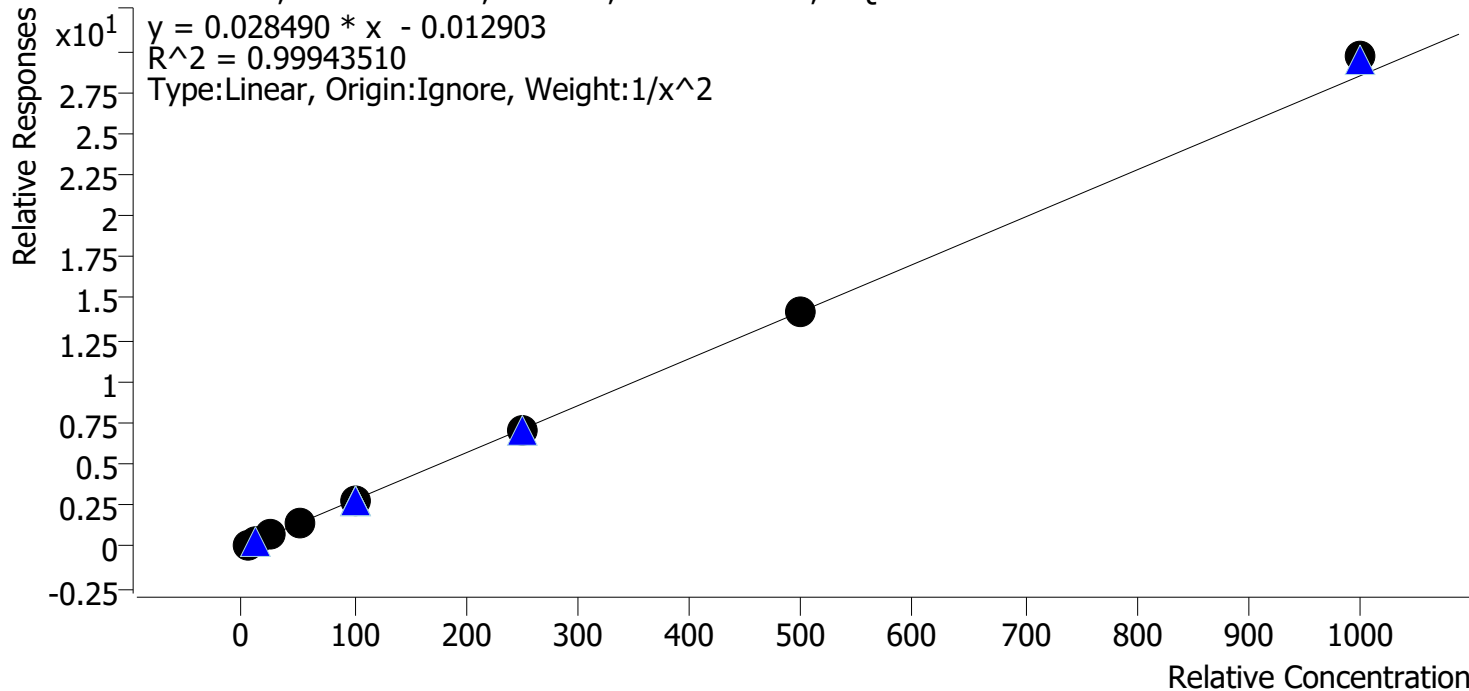
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1040.8	104.1

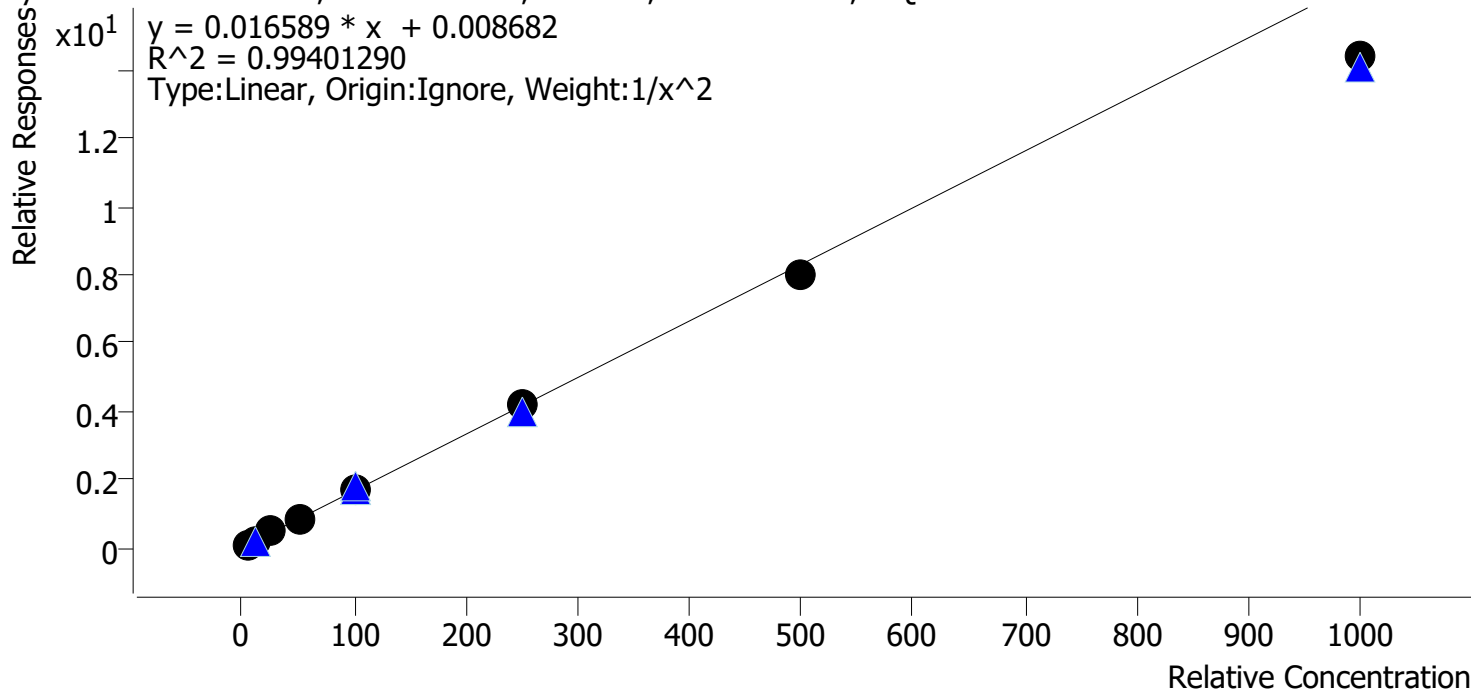
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

Hydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	480.2	96.0
p1 Cal 8-1000ng	8	✓	1000.0	866.9	86.7

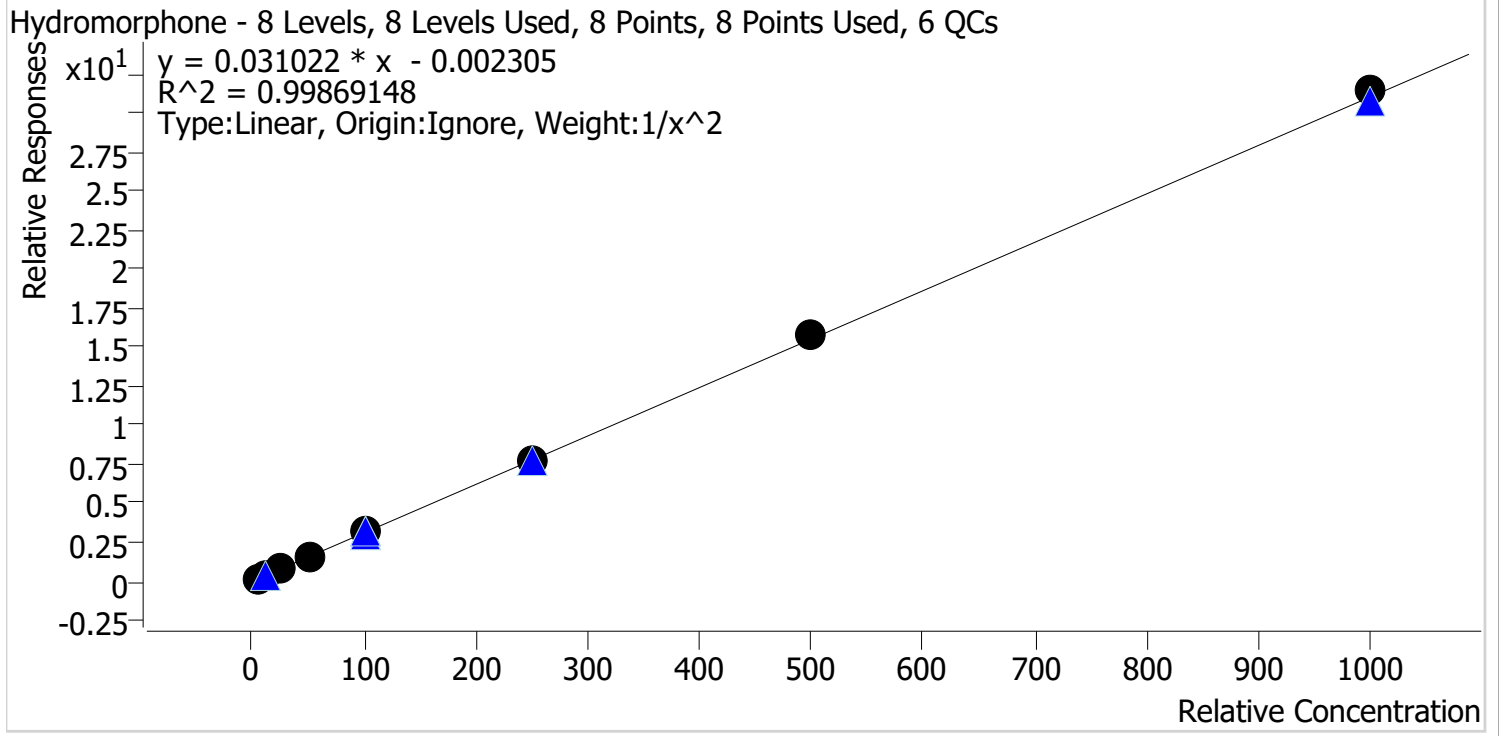


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



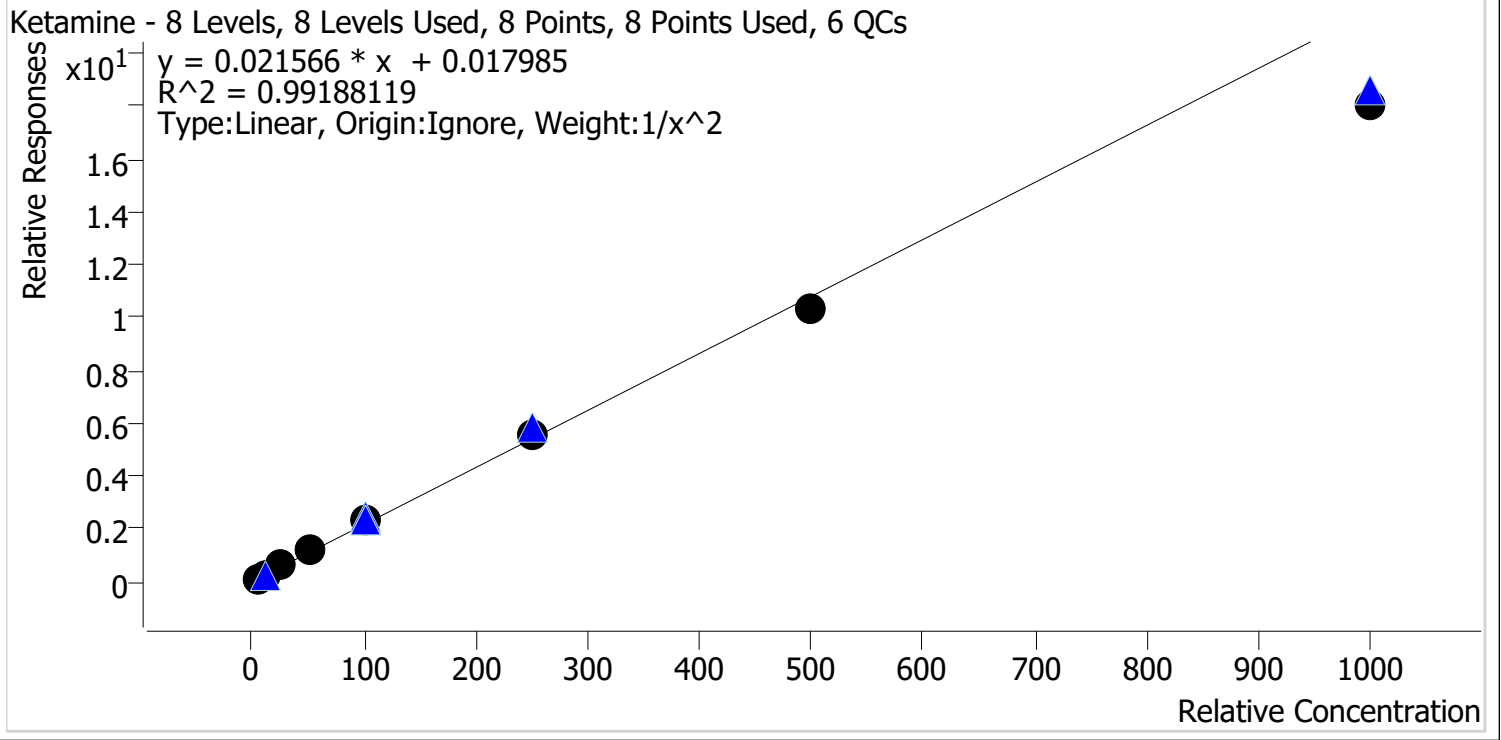
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.3	92.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1013.3	101.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



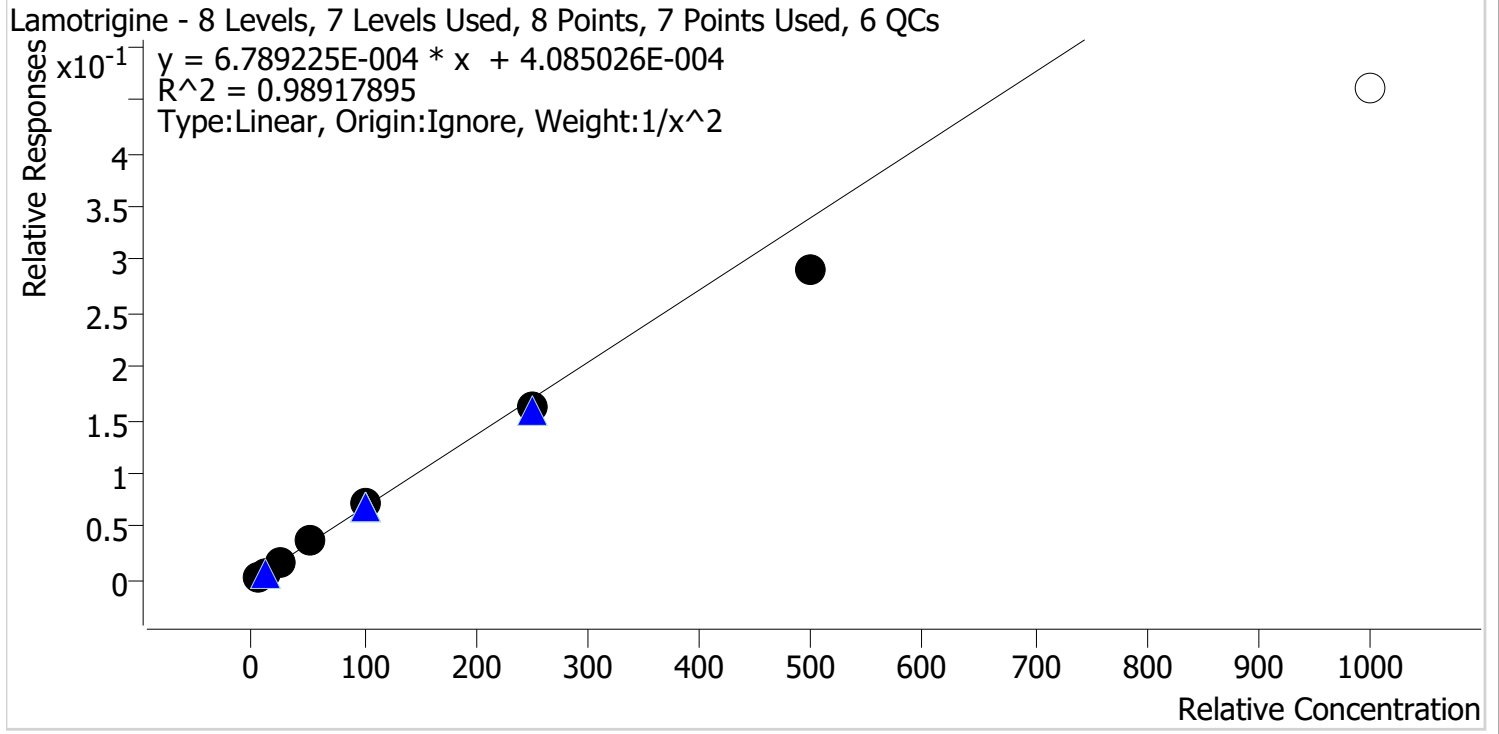
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	480.8	96.2
p1 Cal 8-1000ng	8	✓	1000.0	834.2	83.4

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.5
p1 Cal 2-10ng	2	✓	10.0	10.9	109.4
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	236.8	94.7
p1 Cal 7-500ng	7	✓	500.0	427.1	85.4
p1 Cal 8-1000ng	8	✗	1000.0	677.4	67.7

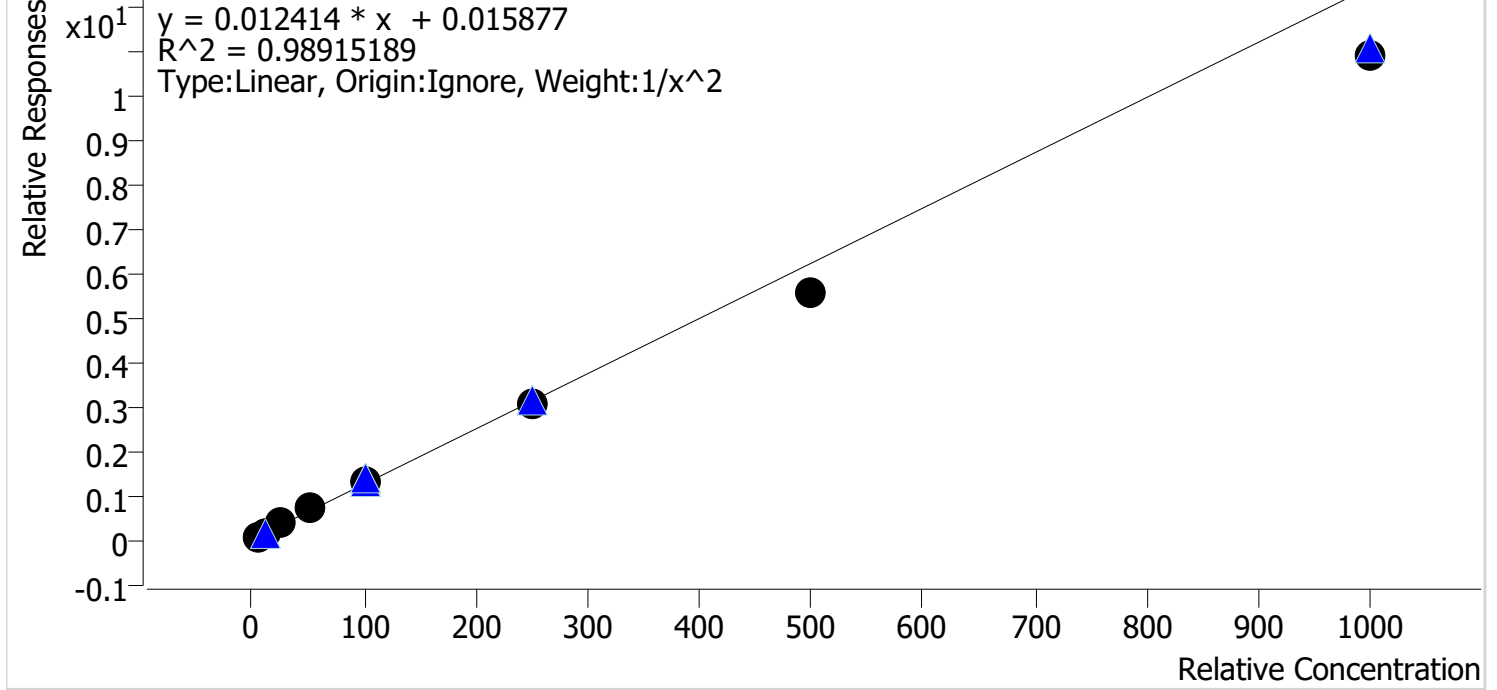
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

Lorazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



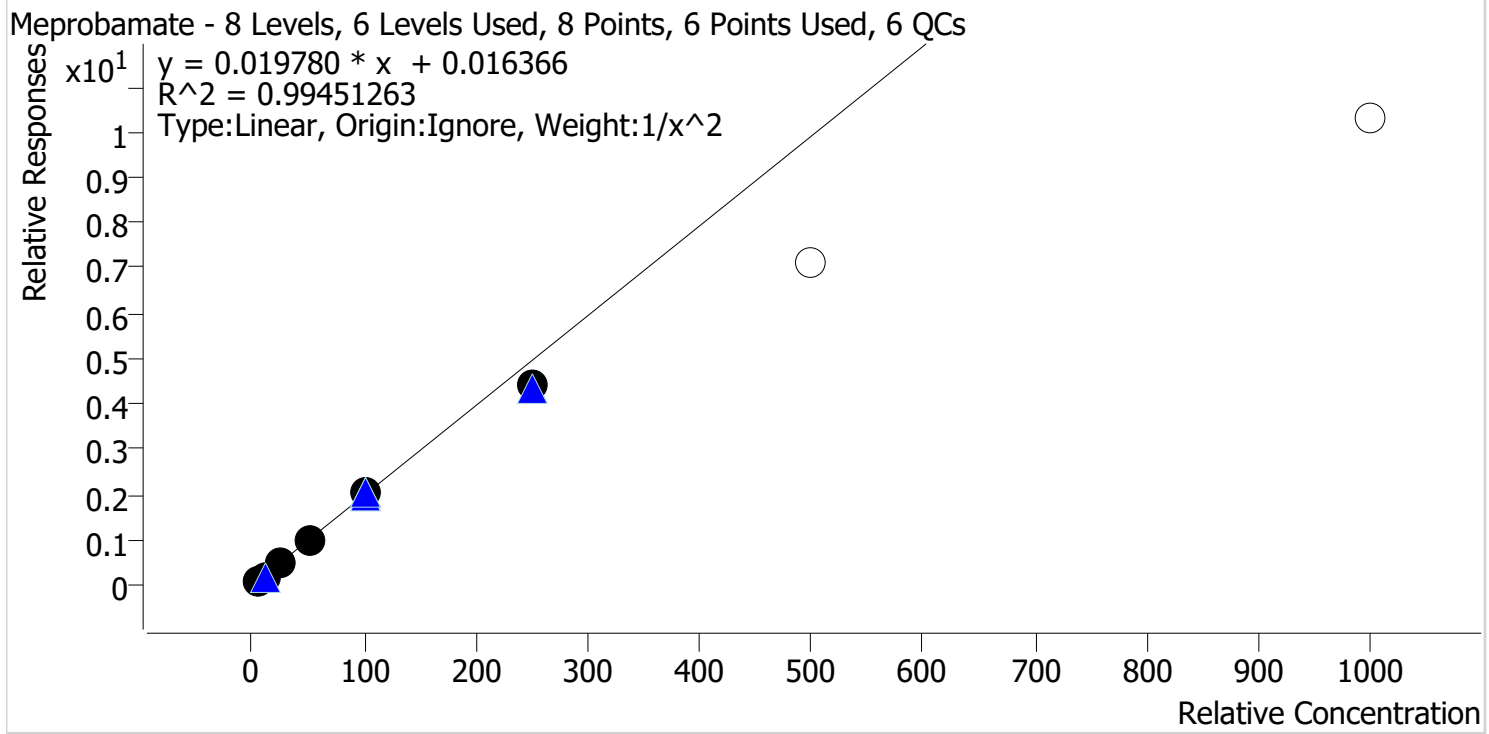
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.4
p1 Cal 2-10ng	2	✓	10.0	10.8	107.5
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	54.9	109.9
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	447.9	89.6
p1 Cal 8-1000ng	8	✓	1000.0	873.7	87.4

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



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	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	222.2	88.9
p1 Cal 7-500ng	7	x	500.0	358.4	71.7
p1 Cal 8-1000ng	8	x	1000.0	520.8	52.1

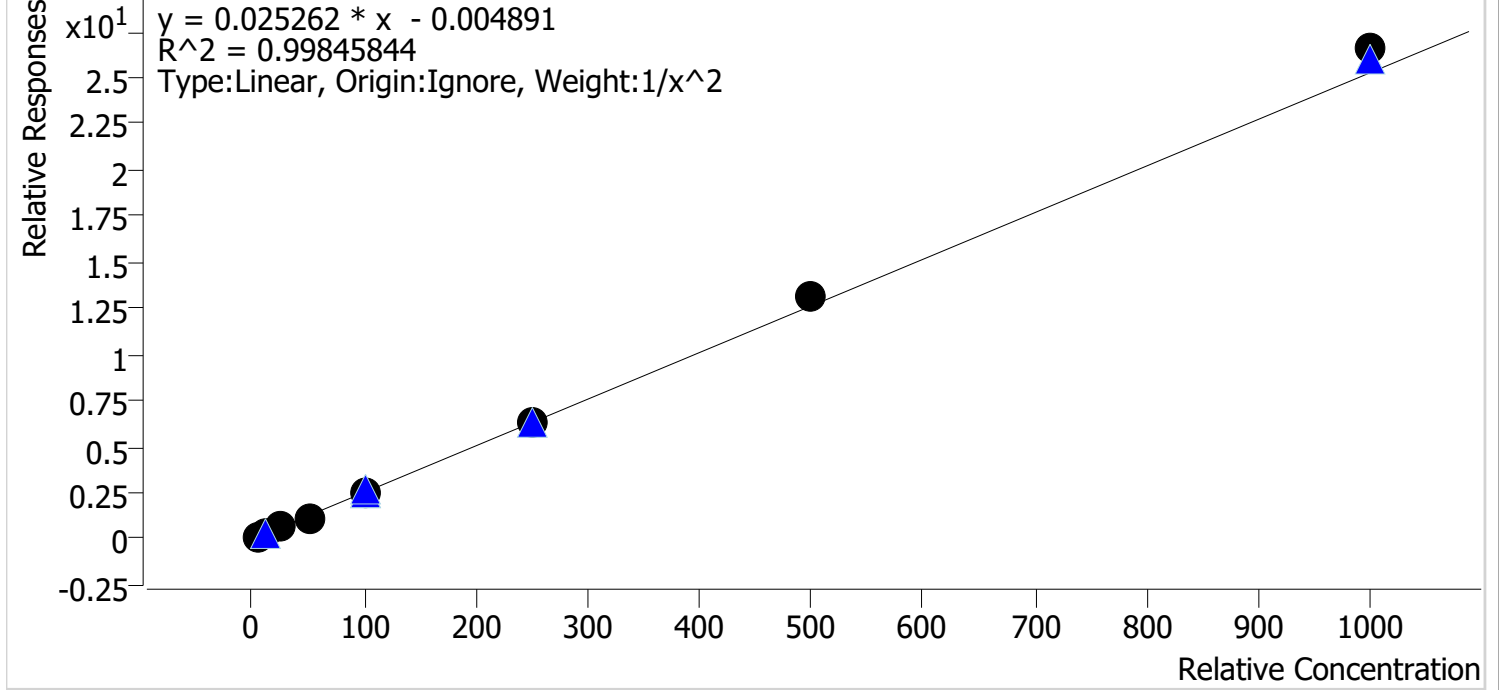
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



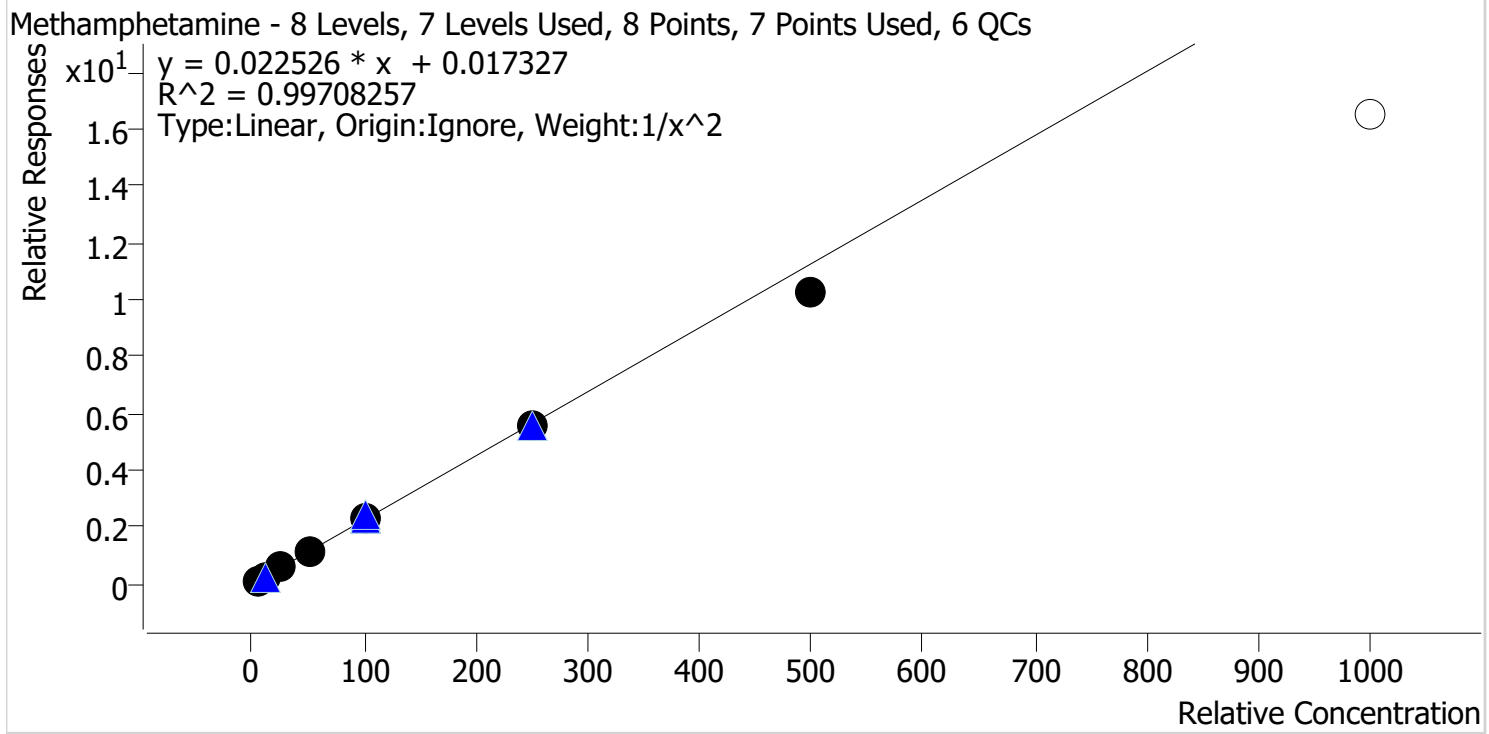
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	47.3	94.6
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	517.4	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1051.7	105.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	454.7	90.9
p1 Cal 8-1000ng	8	✗	1000.0	735.1	73.5

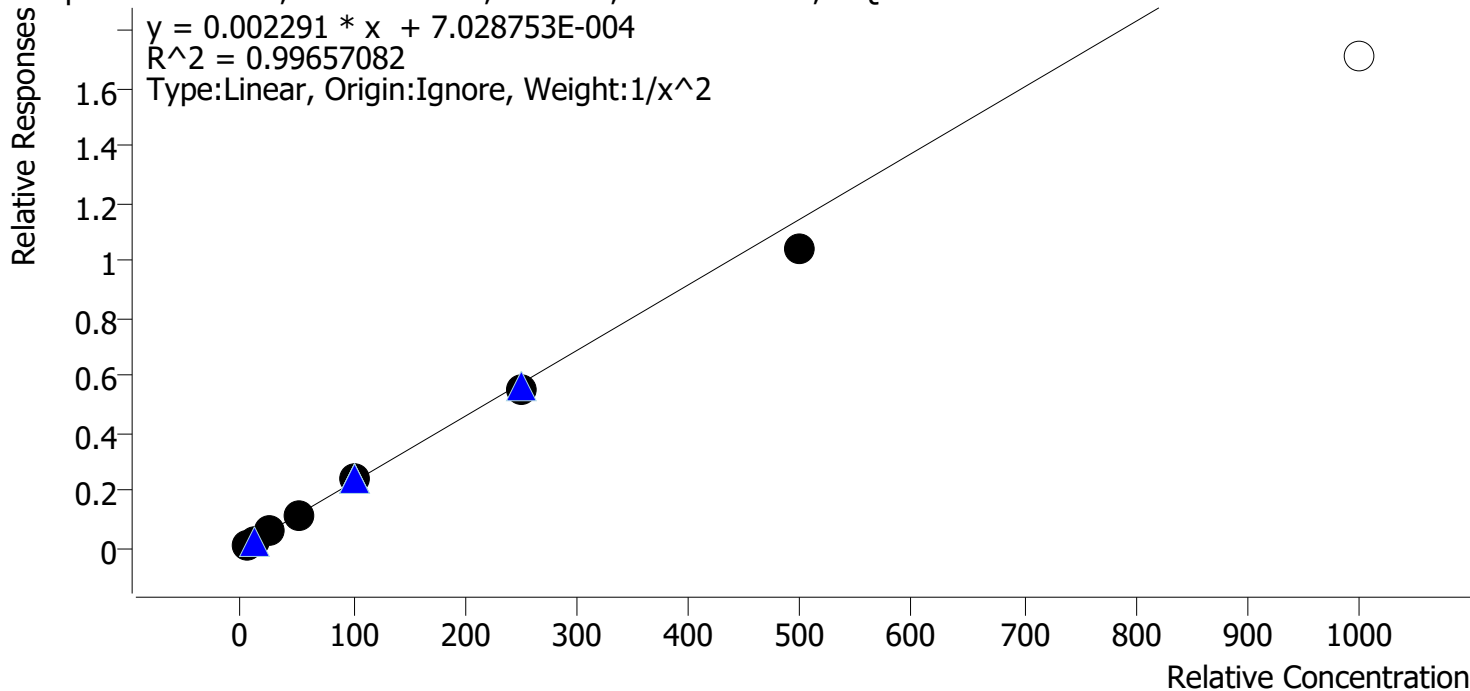
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

Metoprolol - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	455.9	91.2
p1 Cal 8-1000ng	8	✗	1000.0	745.6	74.6

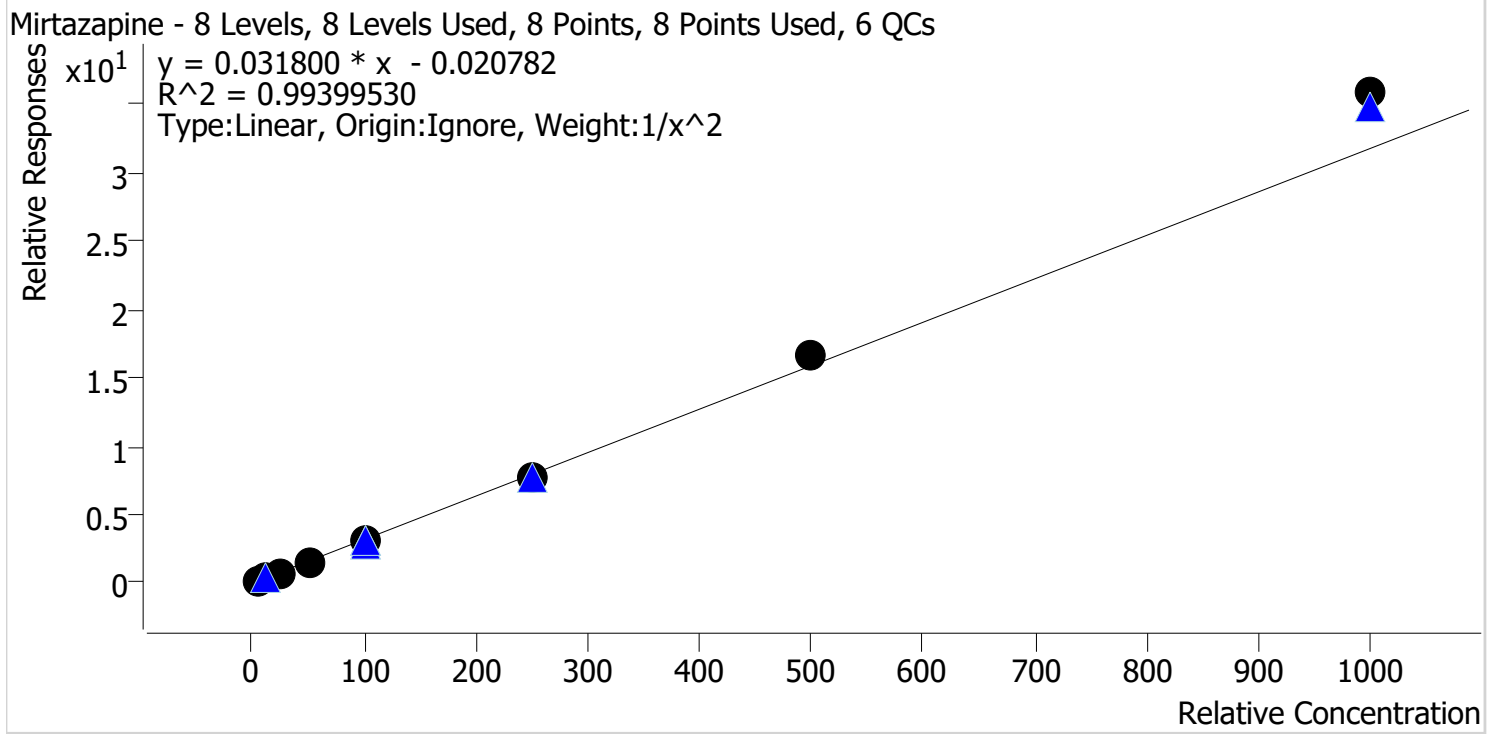


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8



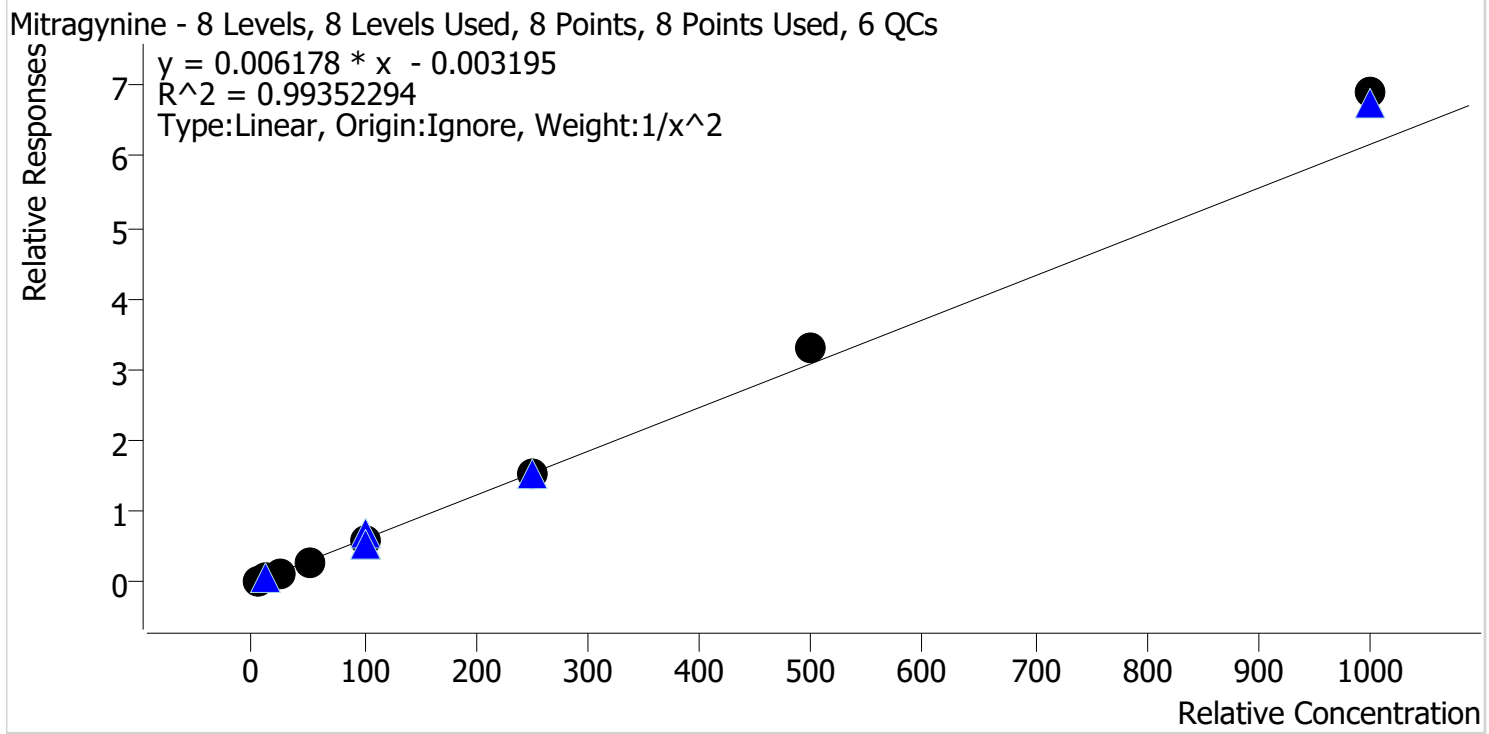
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	47.6	95.1
p1 Cal 5-100ng	5	✓	100.0	94.5	94.5
p1 Cal 6-250ng	6	✓	250.0	244.6	97.9
p1 Cal 7-500ng	7	✓	500.0	528.1	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1128.6	112.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



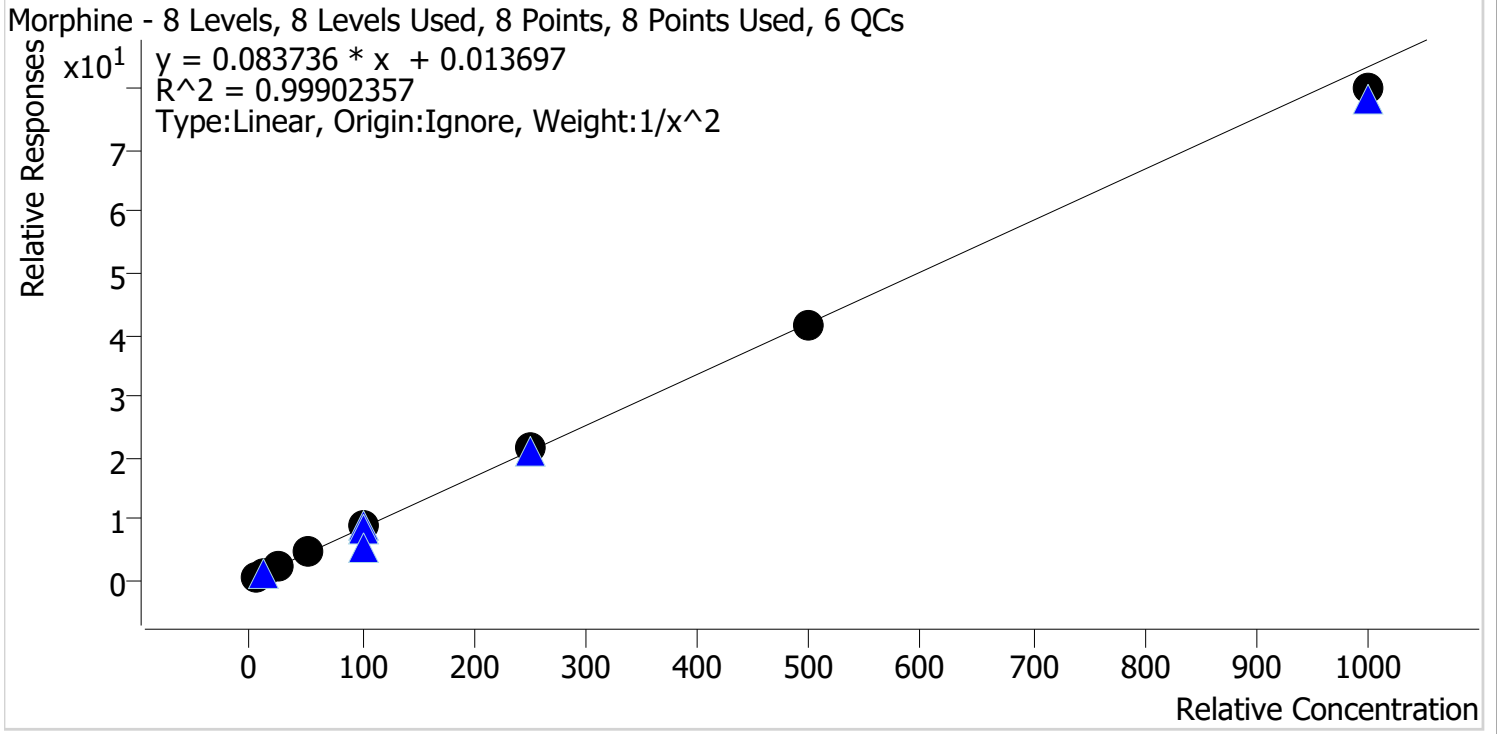
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	45.9	91.8
p1 Cal 5-100ng	5	✓	100.0	93.3	93.3
p1 Cal 6-250ng	6	✓	250.0	246.1	98.5
p1 Cal 7-500ng	7	✓	500.0	539.2	107.8
p1 Cal 8-1000ng	8	✓	1000.0	1117.9	111.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	957.4	95.7

Reported qualitatively due to QC accuracy being outside of tolerance.

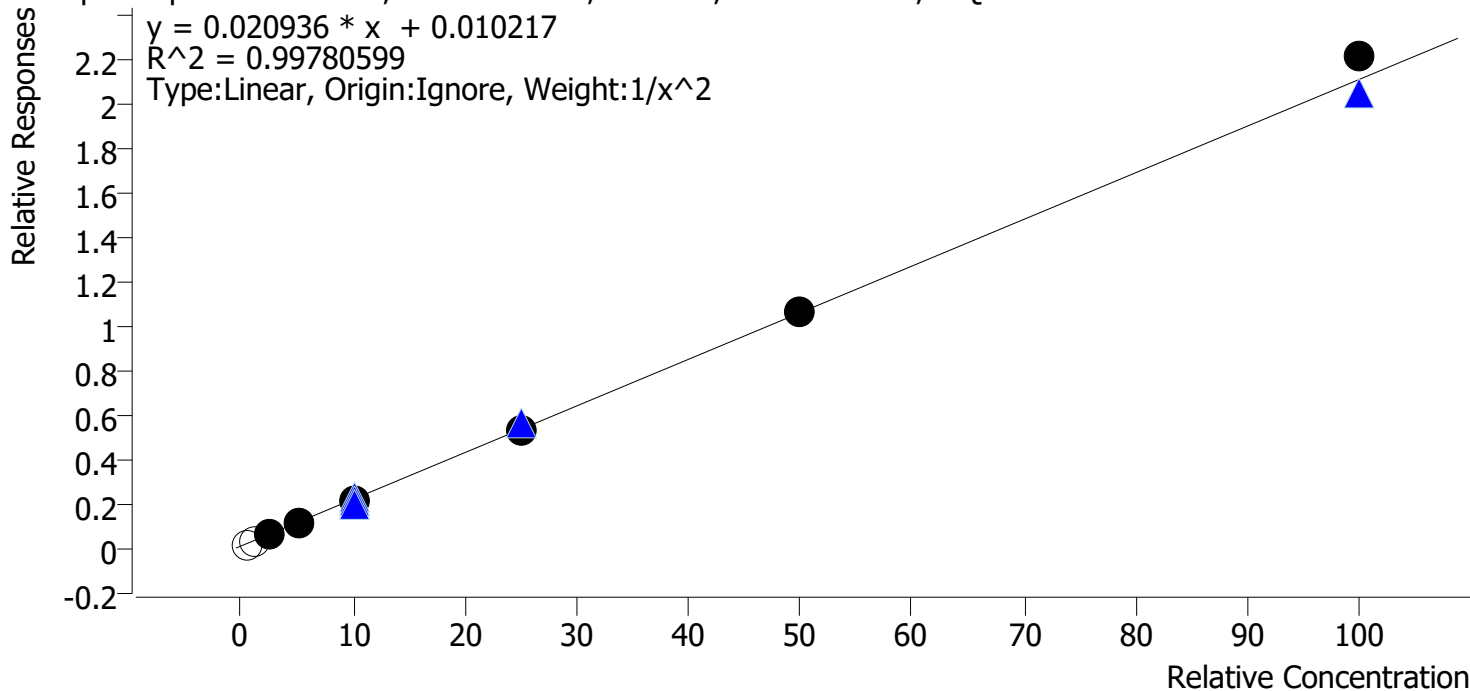
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.2	48.6
p1 Cal 2-10ng	2	x	1.0	0.6	64.5
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.2
p1 Cal 4-50ng	4	✓	5.0	4.7	94.5
p1 Cal 5-100ng	5	✓	10.0	9.8	98.4
p1 Cal 6-250ng	6	✓	25.0	24.5	98.2
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	104.9	104.9

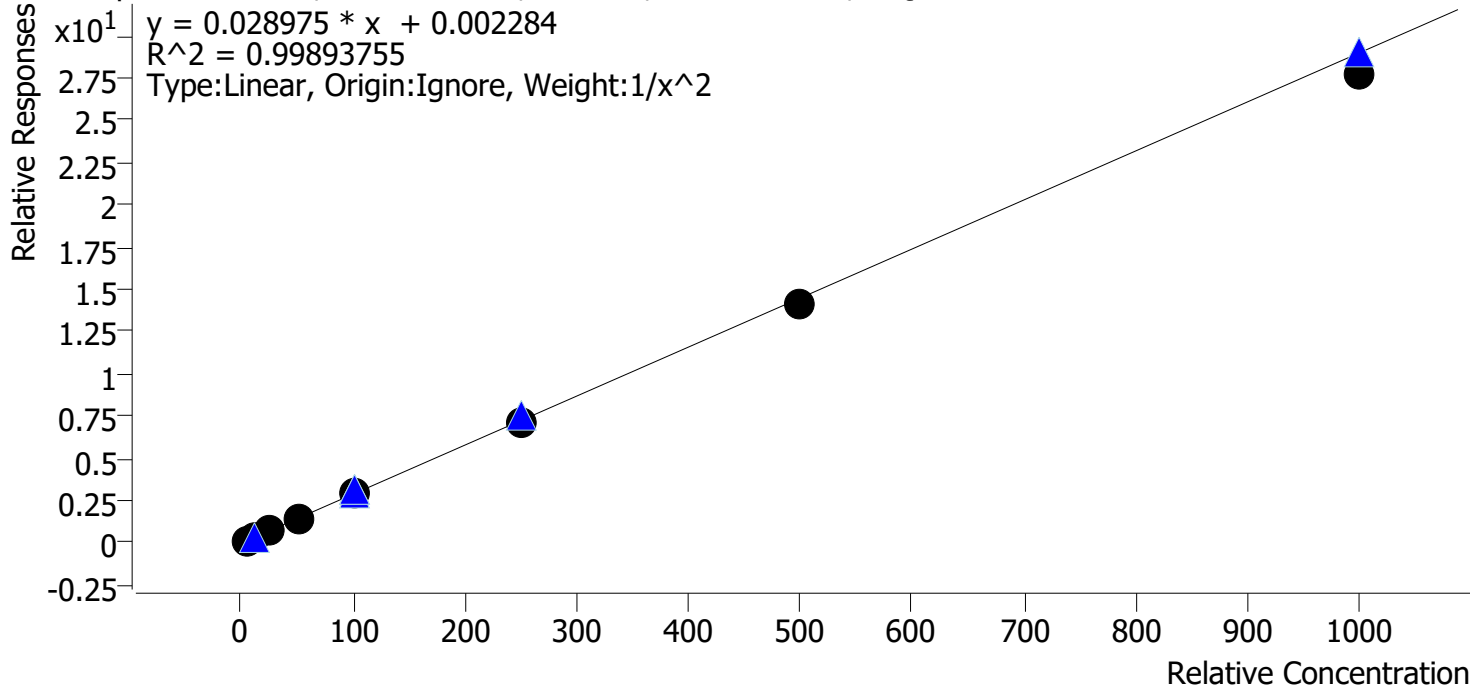
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5

Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



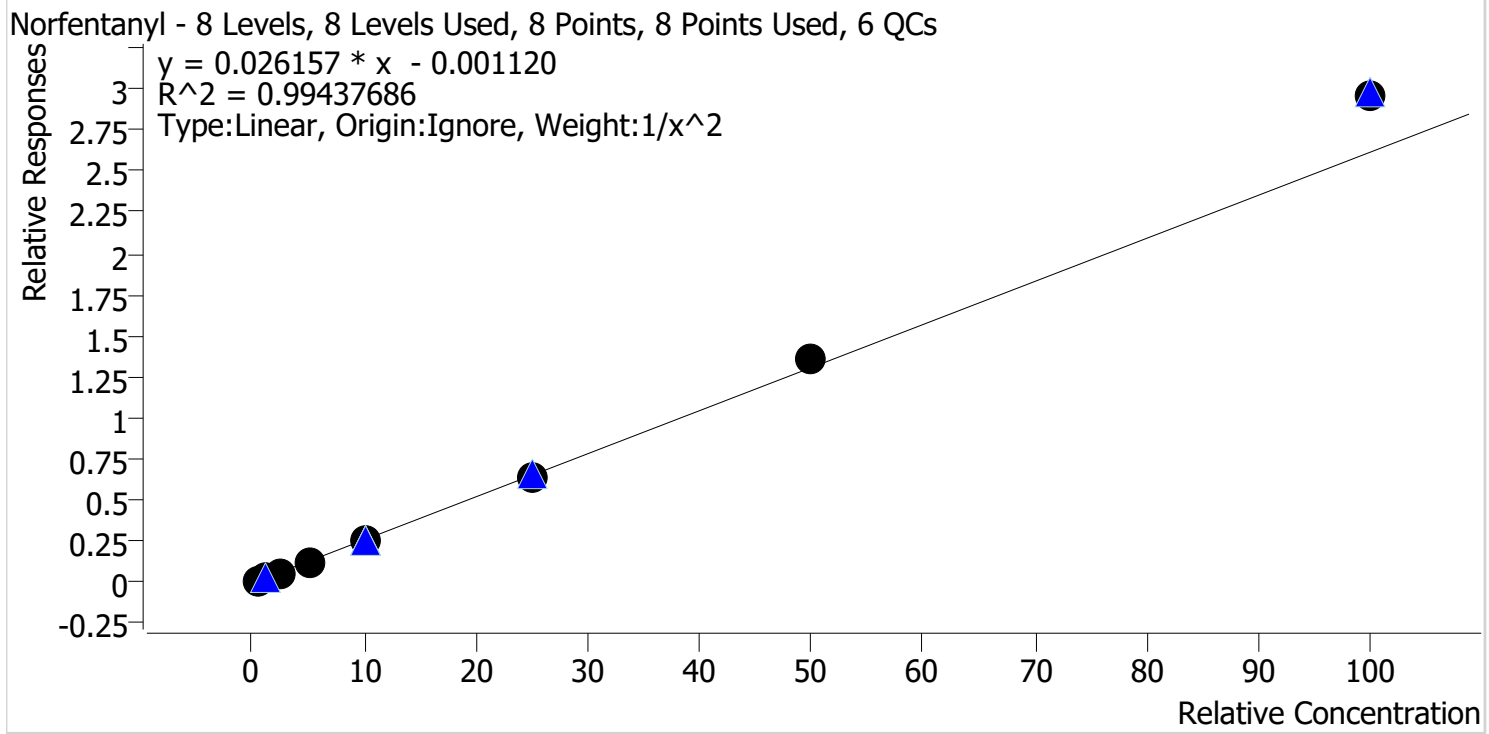
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	956.8	95.7

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



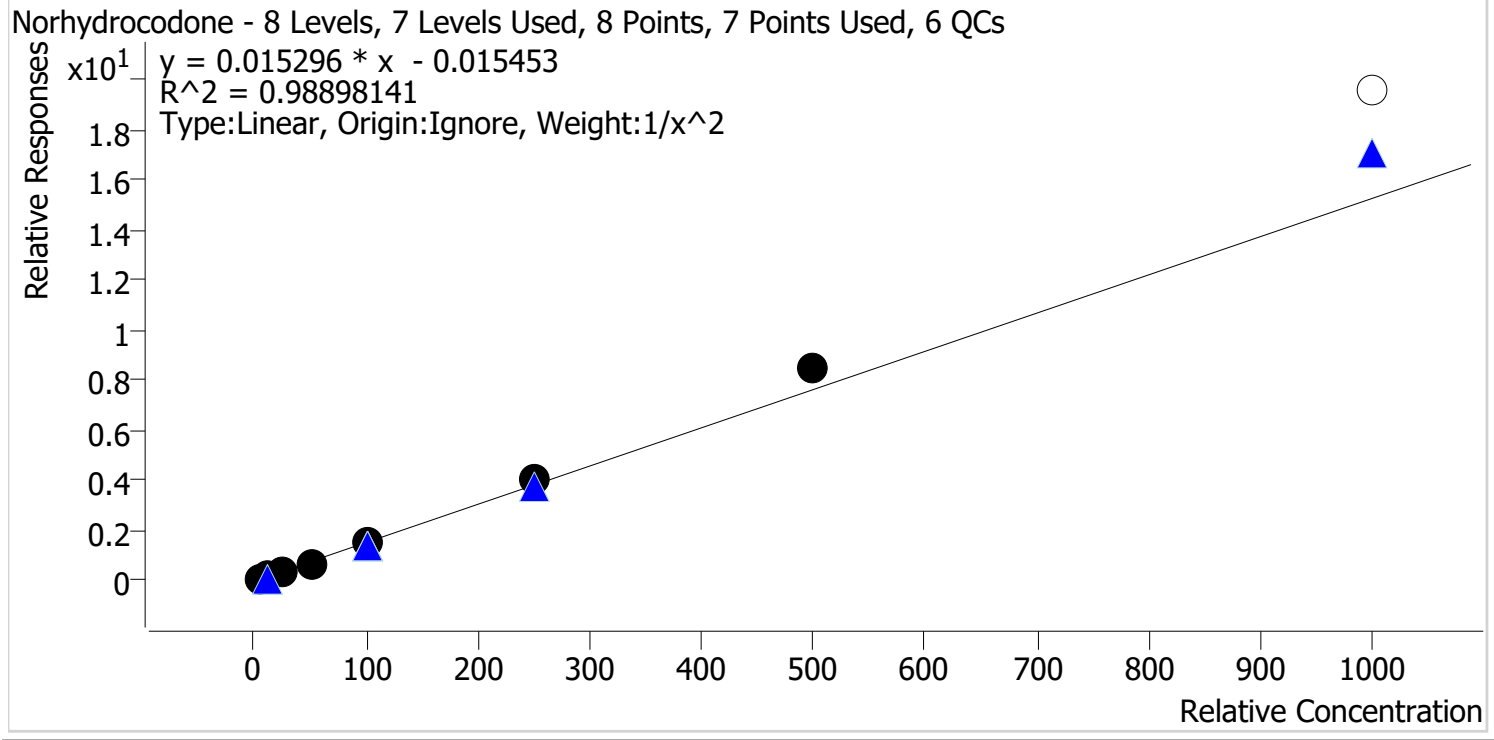
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.2
p1 Cal 2-10ng	2	✓	1.0	0.9	94.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.2
p1 Cal 4-50ng	4	✓	5.0	4.7	94.4
p1 Cal 5-100ng	5	✓	10.0	9.7	96.5
p1 Cal 6-250ng	6	✓	25.0	24.4	97.4
p1 Cal 7-500ng	7	✓	50.0	51.8	103.7
p1 Cal 8-1000ng	8	✓	100.0	113.1	113.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



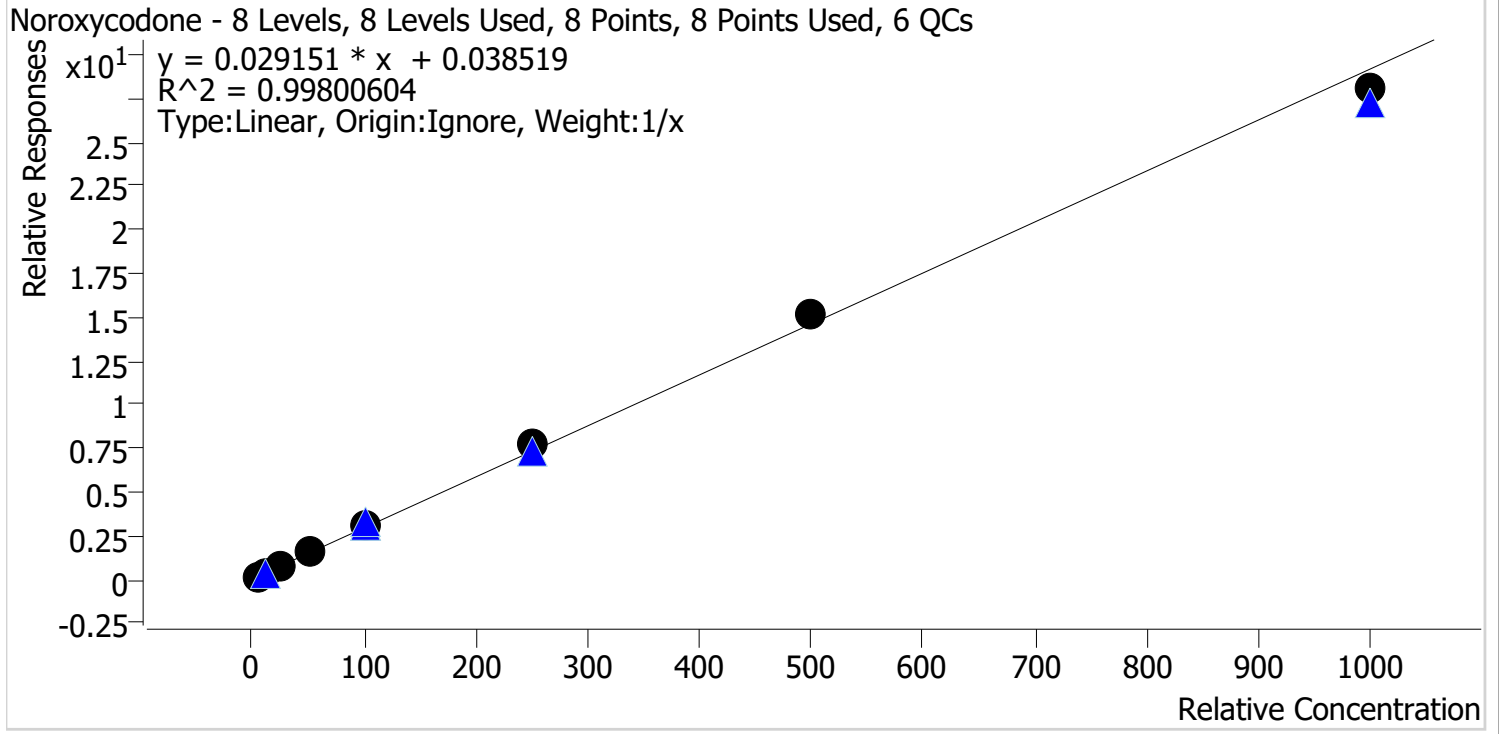
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.1
p1 Cal 2-10ng	2	✓	10.0	9.4	93.5
p1 Cal 3 -25ng	3	✓	25.0	21.9	87.6
p1 Cal 4-50ng	4	✓	50.0	46.5	92.9
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	269.3	107.7
p1 Cal 7-500ng	7	✓	500.0	558.1	111.6
p1 Cal 8-1000ng	8	x	1000.0	1282.0	128.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	4.1	81.9
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	261.7	104.7
p1 Cal 7-500ng	7	✓	500.0	516.2	103.2
p1 Cal 8-1000ng	8	✓	1000.0	961.6	96.2

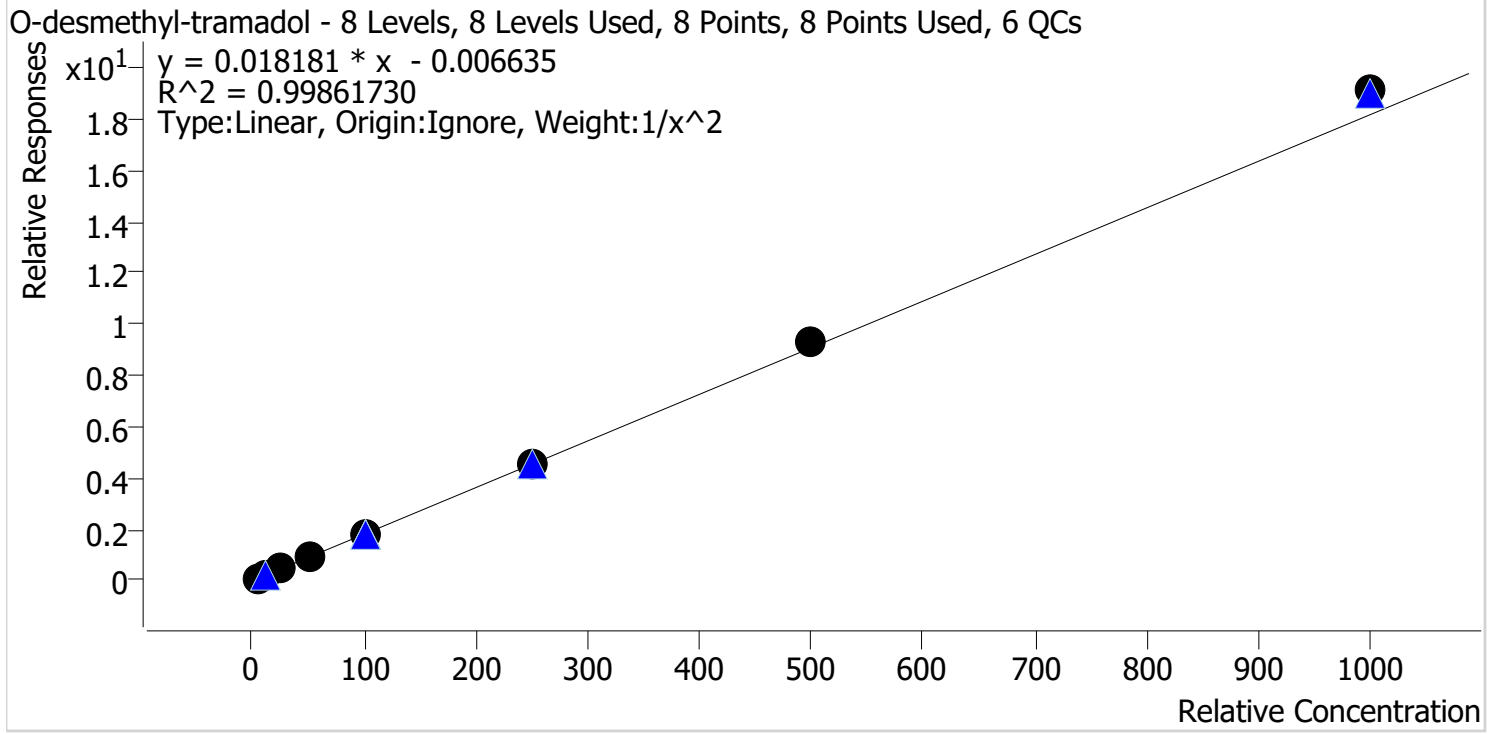


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	516.4	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1052.4	105.2

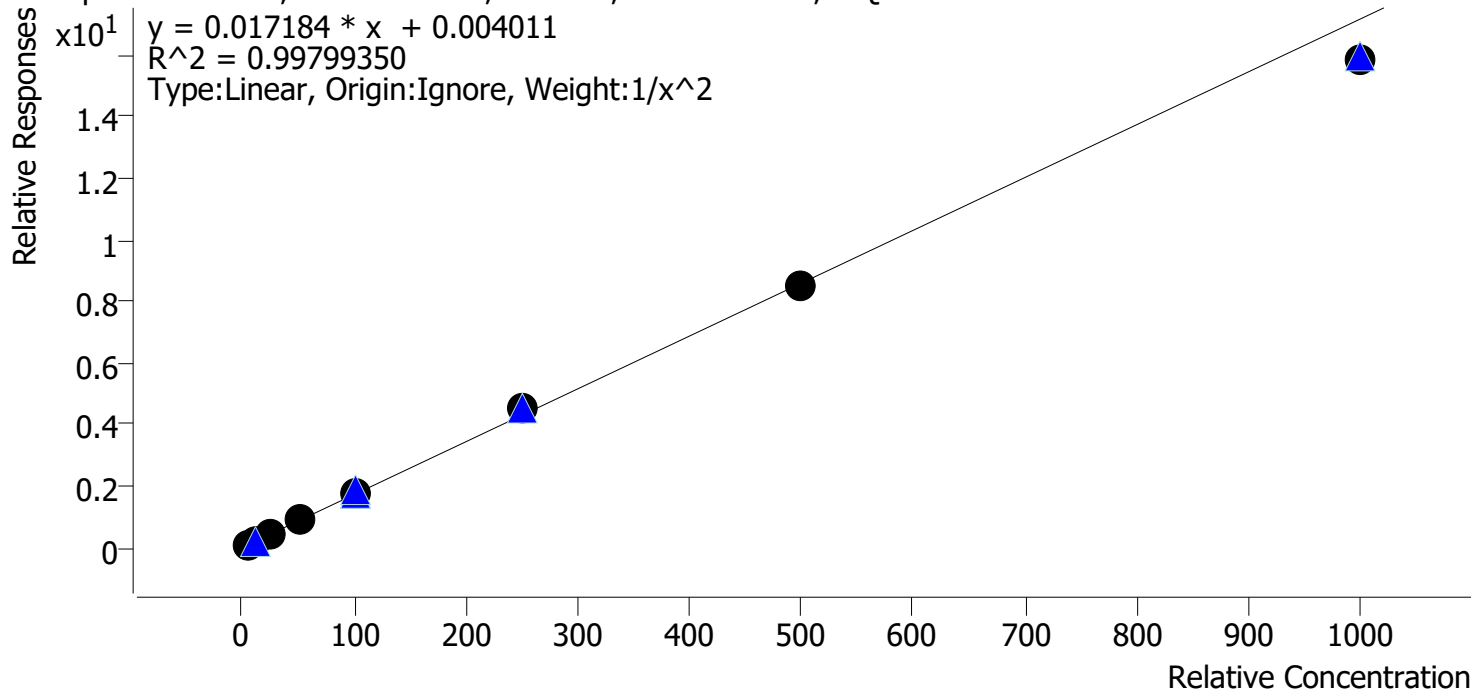
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	263.8	105.5
p1 Cal 7-500ng	7	✓	500.0	492.8	98.6
p1 Cal 8-1000ng	8	✓	1000.0	925.6	92.6

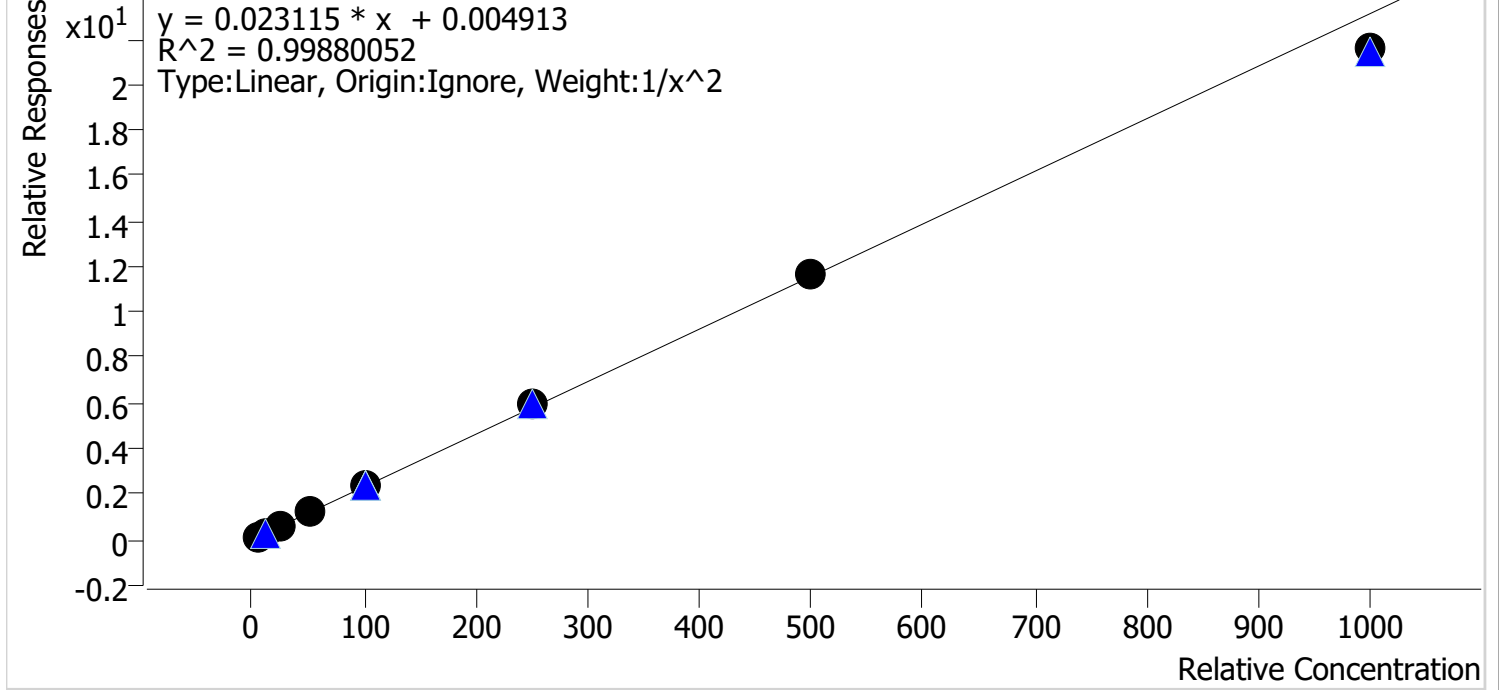
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



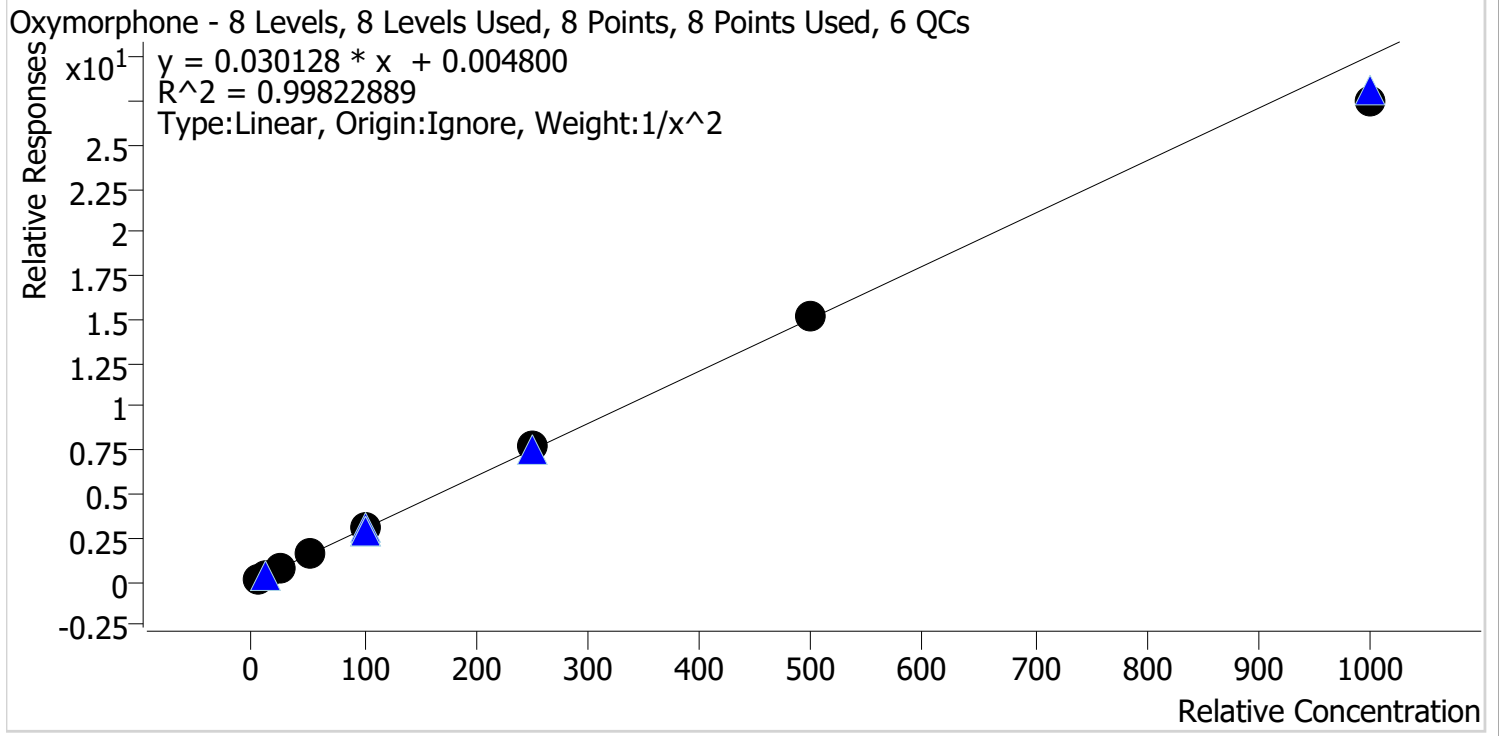
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	259.0	103.6
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	933.4	93.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



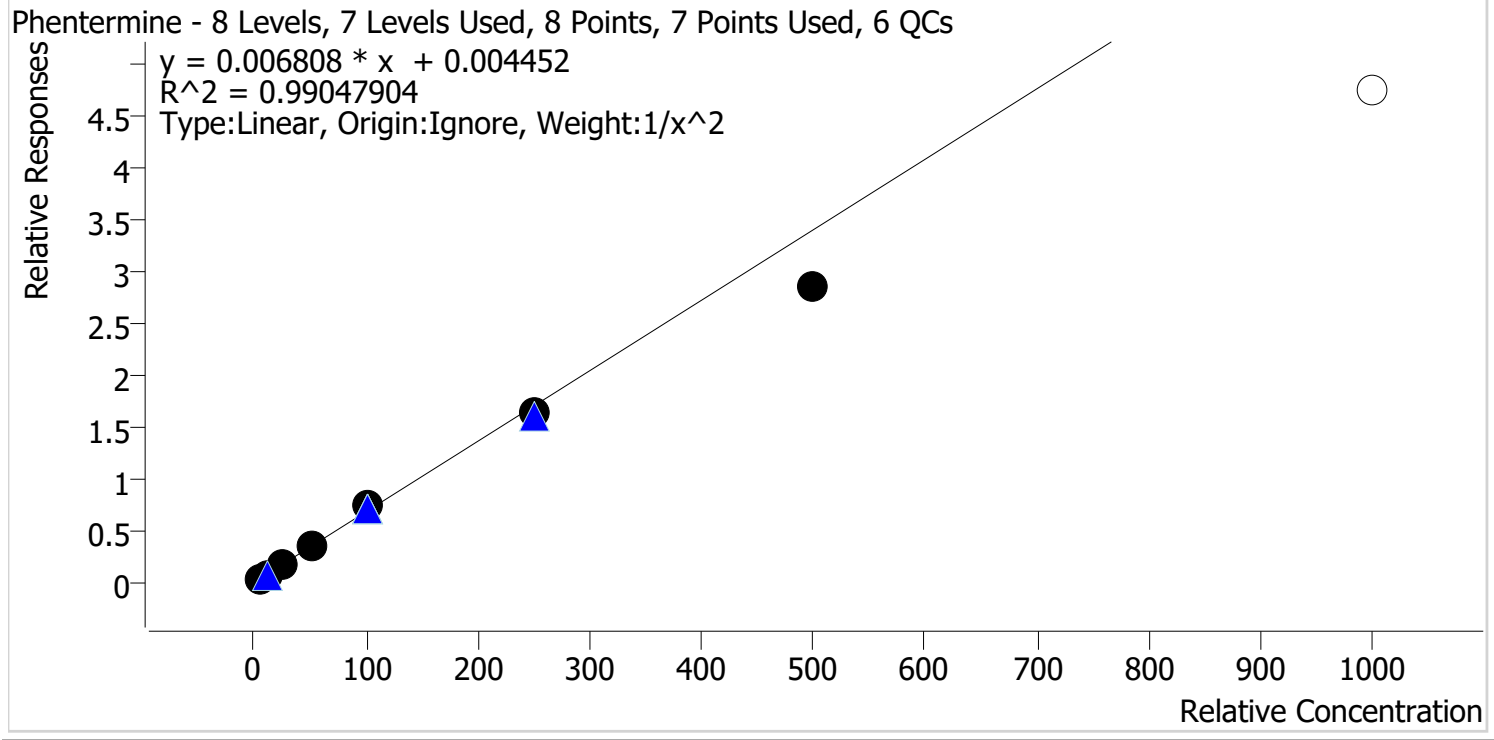
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	915.0	91.5

TS



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

Batch results D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 9/20/2023 7:51 AM  
 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	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	242.0	96.8
p1 Cal 7-500ng	7	✓	500.0	420.8	84.2
p1 Cal 8-1000ng	8	✗	1000.0	697.5	69.7

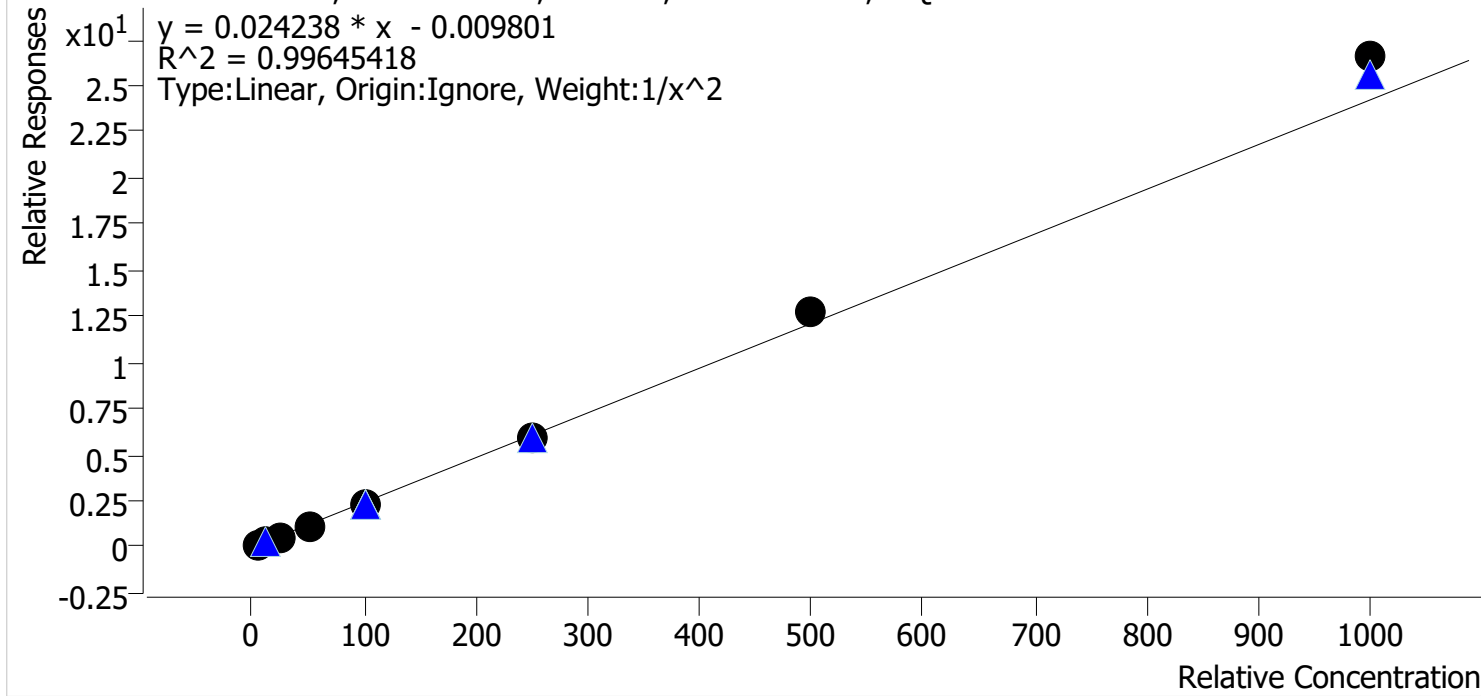
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



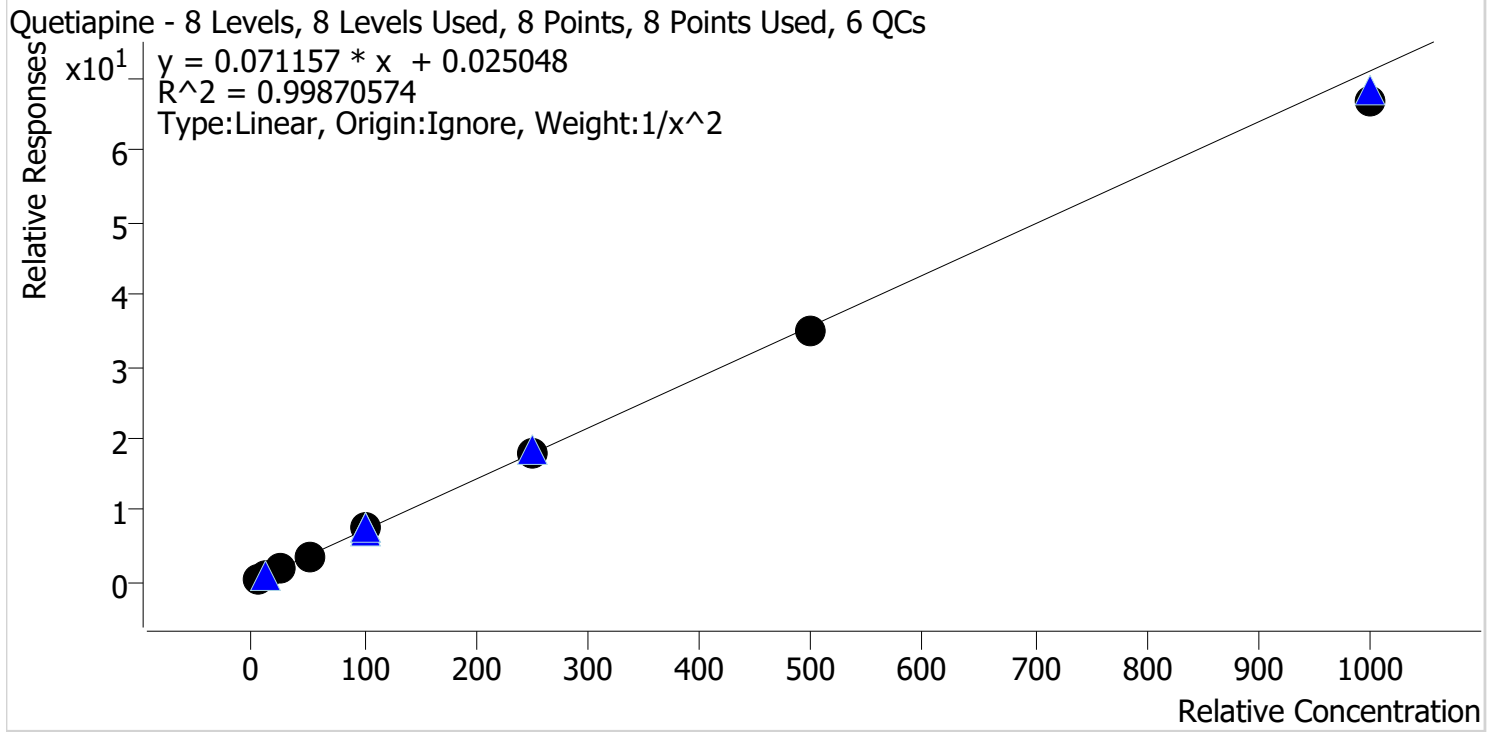
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	522.3	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1096.9	109.7

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



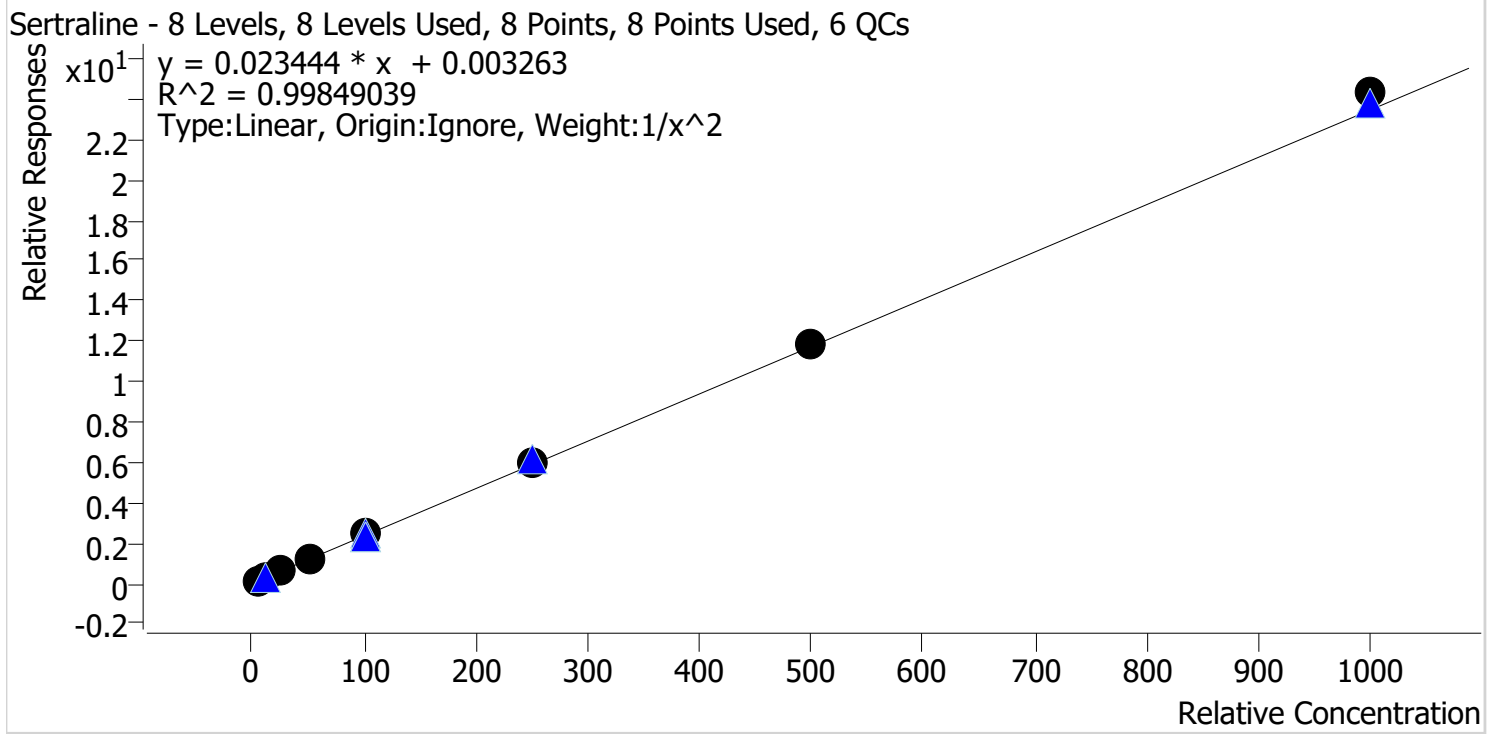
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	487.5	97.5
p1 Cal 8-1000ng	8	✓	1000.0	942.4	94.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	507.2	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1036.8	103.7



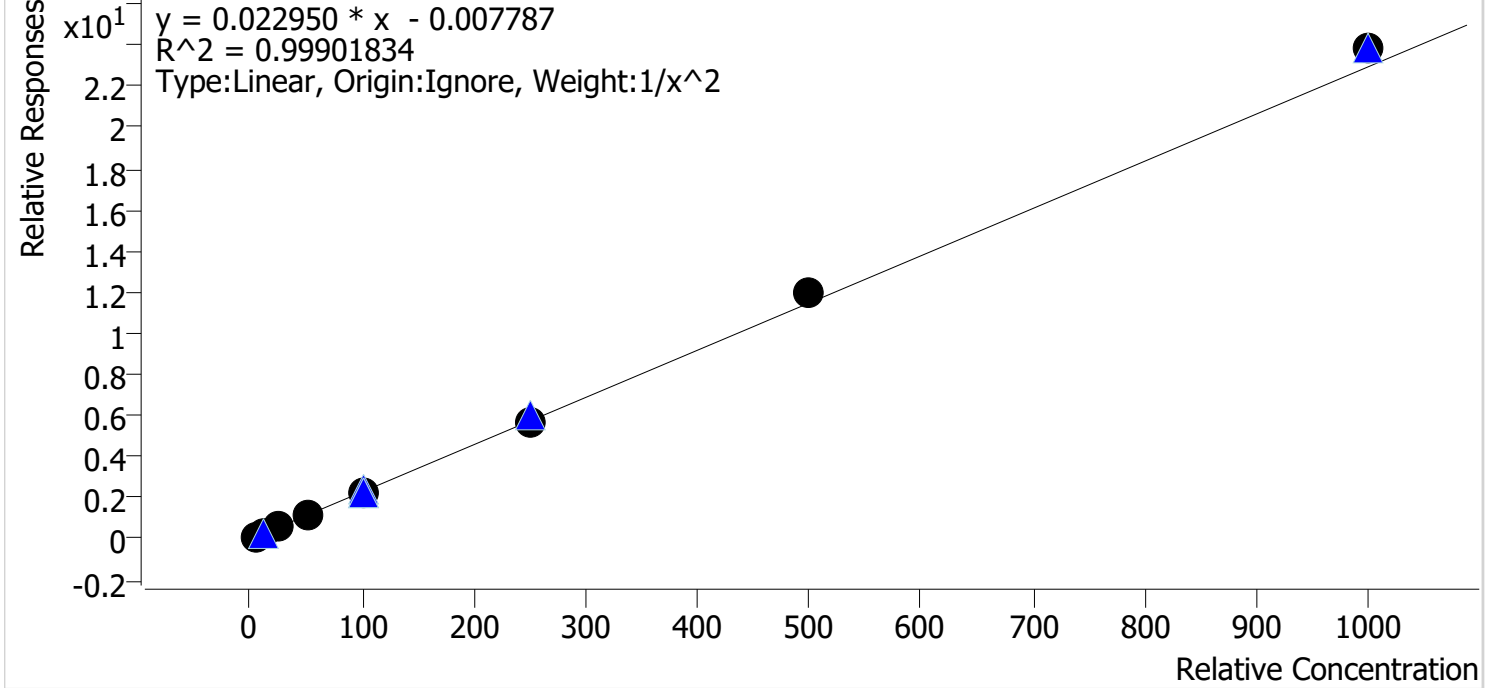
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

Temazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



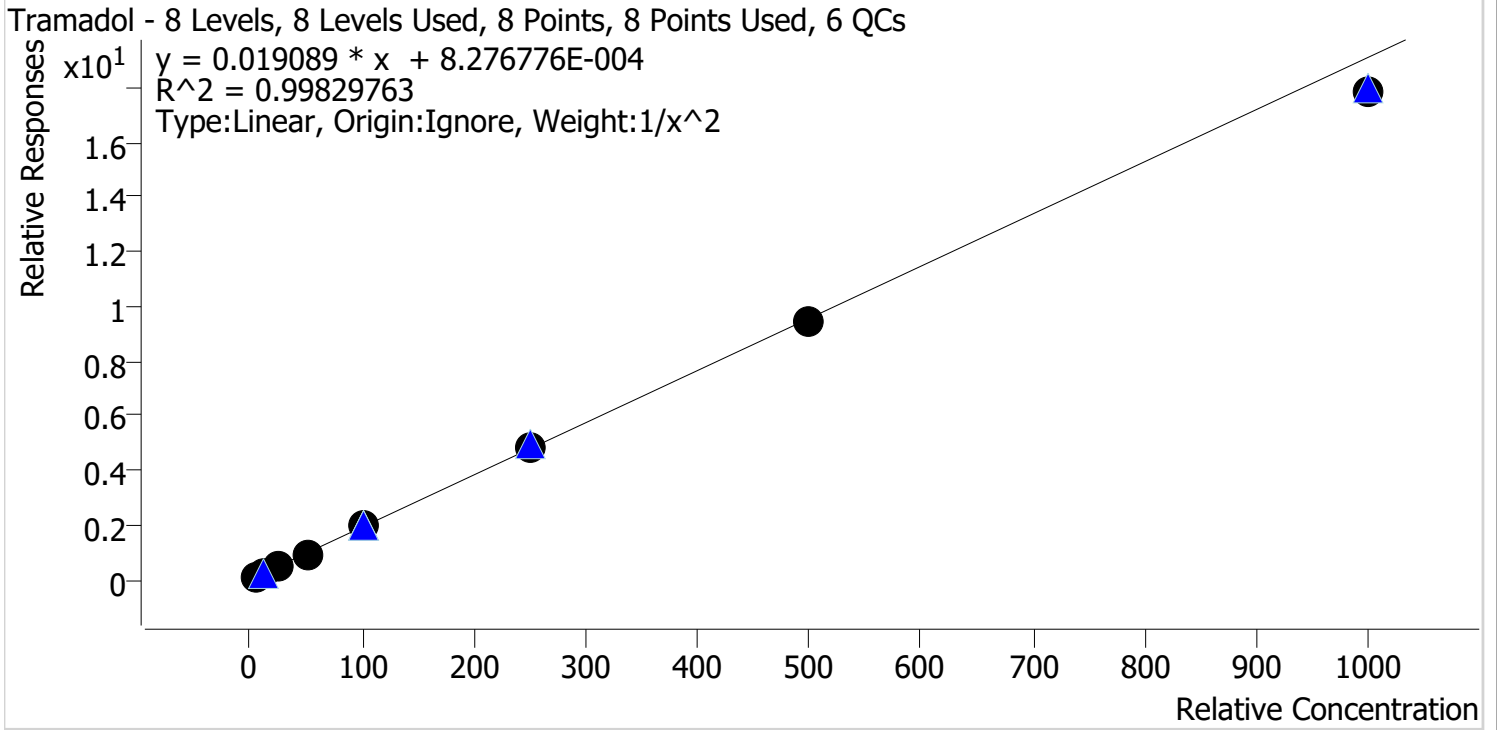
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	518.9	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1036.5	103.7

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	937.3	93.7

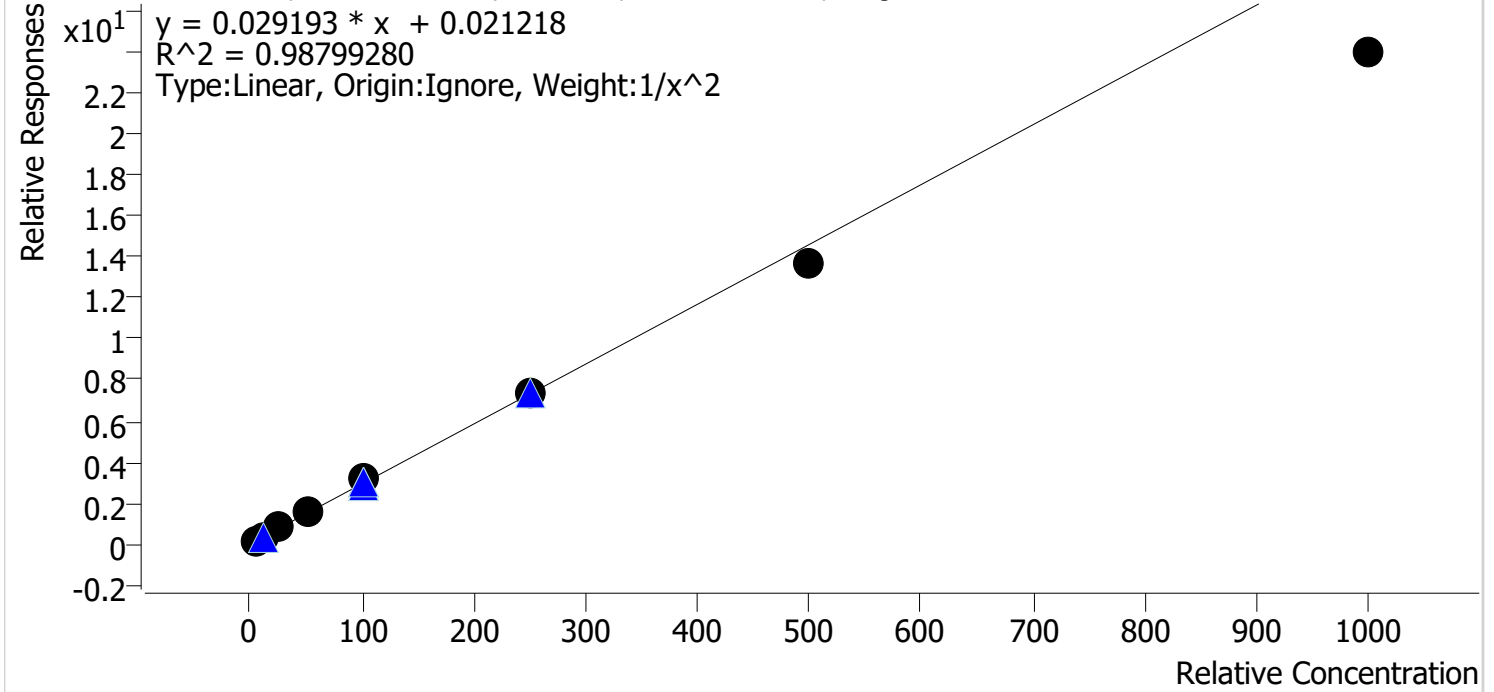
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



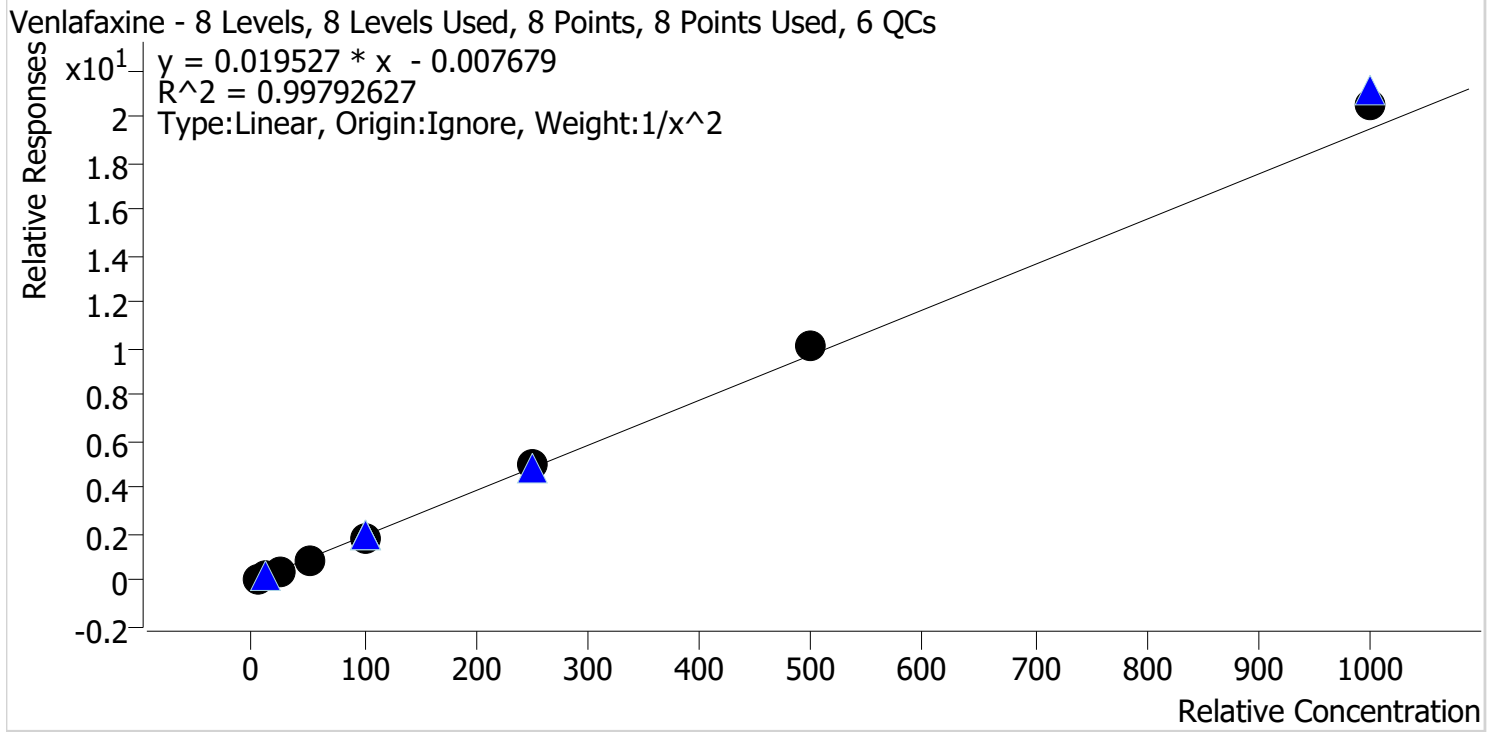
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.6
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	54.8	109.5
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	465.4	93.1
p1 Cal 8-1000ng	8	✓	1000.0	820.7	82.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**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	102.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	522.9	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1052.4	105.2

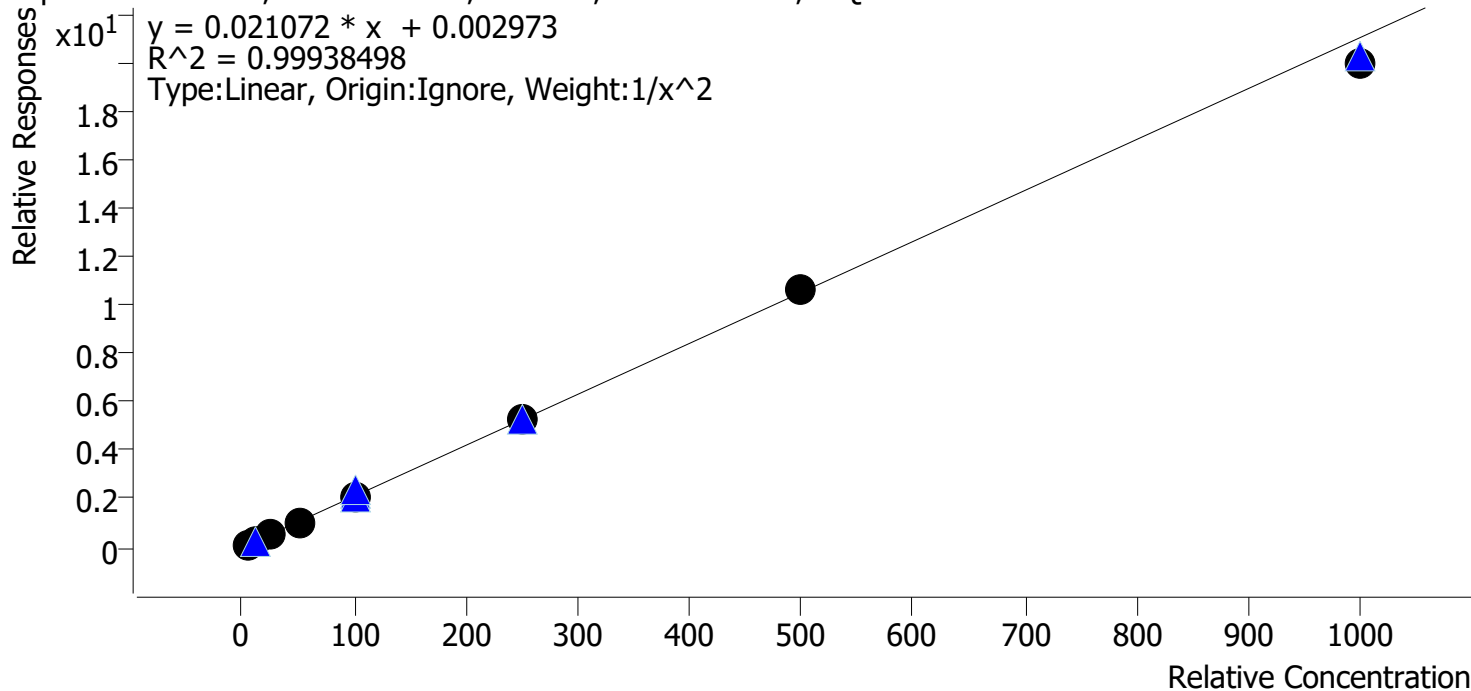
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/20/2023 7:51 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



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	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	951.8	95.2

# AM #28 Multi-Drug Quant. Results

TS

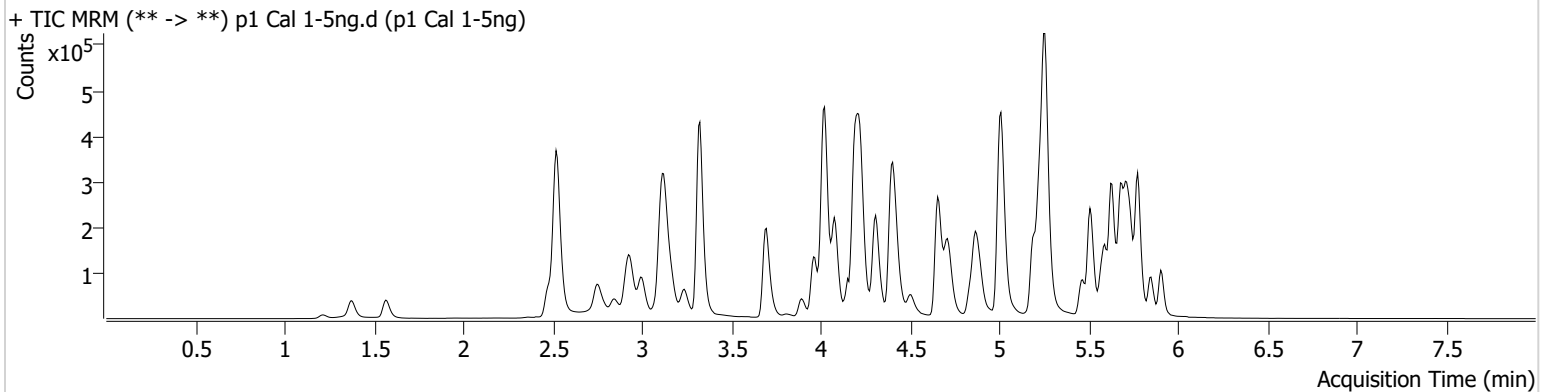


**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901) **Data File** p1 Cal 1-5ng.d  
**Type** Cal **Sample** p1 Cal 1-5ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/18/2023 11:39:31 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	771	432.51	78.9	468.91	49549	0.5071 ng/ml
7-aminoclonazepam	4.170	16149	114.88	73.0	132.29	130999	4.8726 ng/ml
a-hydroxyalprazolam	5.662	7567	737.23	67.1	1271.35	55520	5.1431 ng/ml
alpha-PHP	4.881	15060	258.78	273.0	1500.23	481985	5.0256 ng/ml
alpha-PVP	4.316	62032	1937.93	48.7	6420.00	481985	5.1001 ng/ml
Alprazolam	5.739	27433	390.26	104.4	267.84	206215	5.1744 ng/ml
Amphetamine	2.995	101969	181.74	49.5	482.58	278549	4.8932 ng/ml
Benzoylcegonine	3.837	1811	21.01	9.8	8.13	12534	4.8619 ng/ml
Bromazolam	5.771	10670	10368.73	129.0	19575.91	109862	4.8743 ng/ml
Buprenorphine	5.578	1223	44.36	17.8	148.18	88229	0.5063 ng/ml
Bupropion	4.724	55279	875.66	65.7	713.54	353339	5.0929 ng/ml
Carisoprodol	5.694	32649	34802.36	61.8	68.99	306774	5.0287 ng/ml
Citalopram	5.192	44160	130.01	29.9	6420.49	401360	5.1018 ng/ml
Clonazepam	5.582	28557	1261.15	35.8	12509.17	80757	4.9465 ng/ml
Clonazolam	5.518	20869	29843.73	33.9	9795.33	80757	4.9090 ng/ml
Cocaine	4.224	38397	725.36	53.4	20136.86	661811	5.0776 ng/ml
Codeine	2.519	4862	47.45	100.0	19910.11	50923	4.8973 ng/ml
Cyclobenzaprine	5.598	22665	15171.67	9.3	178.98	215031	5.0942 ng/ml
Dextromethorphan	5.236	25752	76796.03	83.2	284.87	234230	5.0489 ng/ml
Dextrorphan	4.084	17861	284.09	213.1	733.44	421912	5.0760 ng/ml
Diazepam	5.911	17718	289.86	94.1	285.36	168564	5.0079 ng/ml
Dihydrocodeine	2.504	12077	396.95	68.6	286.10	144667	4.8357 ng/ml
Diphenhydramine	5.257	117987	191.60	29.8	43360.74	1210233	5.1365 ng/ml
Doxylamine	4.423	103407	12373.45	99.8	1204.36	932735	5.1120 ng/ml
Duloxetine	5.624	2176	108.47	14.6	315.99	22351	5.0889 ng/ml
EDDP	5.228	41369	841.46	40.7	147.12	439218	5.0813 ng/ml
Etizolam	5.778	16216	20682.81	27.8	7877.76	80757	5.0602 ng/ml
Fentanyl	5.028	3324	126.61	68.0	1583.42	327374	0.5231 ng/ml
Fluorofentanyl	5.081	7981	80.38	33.9	2058.81	2883	0.5174 ng/ml
Fluoxetine	5.685	23814	187.28	7.3	166.04	180663	5.0796 ng/ml
Hydrocodone	2.965	19100	∞	36.8	42.34	215707	4.8143 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	15212	345.53	79.1	14783.95	96048	5.1797 ng/ml
Hydroxyzine	5.661	38725	1044.58	69.3	707.58	234230	5.1168 ng/ml
Ketamine	3.975	37566	862.79	35.8	138.90	308557	4.8114 ng/ml
Lamotrigine	4.213	3392	208.61	89.8	1604.66	947050	4.6740 ng/ml
Lorazepam	5.711	25699	652.10	51.9	93.08	347991	4.6699 ng/ml
MDA	3.150	65062	1872.49	30.2	273.98	398369	4.8114 ng/ml
MDMA	3.244	37499	44067.20	90.5	346.80	84232	5.0102 ng/ml
Meprobamate	4.861	18266	8335.47	30.8	542.19	161979	4.8739 ng/ml
Methadone	5.630	62054	515.90	56.1	158.12	500685	5.0997 ng/ml
Methamphetamine	3.171	81431	828.48	38.3	143.31	633446	4.9378 ng/ml
Metoprolol	4.287	10572	4333.02	102.5	814.44	889671	4.8801 ng/ml
Mirtazapine	4.505	69415	1065.28	52.7	612.70	481985	5.1824 ng/ml
Mitragynine	5.163	14269	3572.31	33.2	2924.52	500685	5.1299 ng/ml
Morphine	1.220	2292	554.97	29.5	346.14	5239	5.0611 ng/ml
Norbuprenorphine	4.964	217	1096.13	115.7	608.64	14163	0.2429 ng/ml
Nordiazepam	5.858	20774	250.03	57.1	3140.60	143854	4.9050 ng/ml
Norfentanyl	4.043	9363	684.02	39.0	9.32 <b>Low</b>	748225	0.5212 ng/ml
Norhydrocodone	3.026	4524	64.96	37.3	88.40	68845	5.3062 ng/ml
Noroxycodone	2.862	16475	189.69	53.5	397.00	104362	4.0939 ng/ml
O-desmethyl-tramadol	3.324	88764	357.74	5.9	615.60	1028913	5.1098 ng/ml
o-desmethylvenlafaxine	4.029	80615	3103.75	23.1	124.73	178352	5.1801 ng/ml
Olanzapine	3.979	10135	564.15	60.8	294.49	47956	4.8184 ng/ml
Oxazepam	5.720	31184	342.44	75.0	23.24	347991	4.9815 ng/ml
Oxycodone	2.781	29445	479.57	31.7	170.89	244185	5.0041 ng/ml
Oxymorphone	1.378	16130	441.78	51.3	536.29	105465	4.9172 ng/ml
Phentermine	3.733	20173	109.60	5.9	35.71	538931	4.8438 ng/ml
Promethazine	5.508	54913	3396.03	31.1	282.07	476984	5.1543 ng/ml
Pseudoephedrine	2.535	92124	1033.78	16.6	768.67	947050	5.1882 ng/ml
Quetiapine	5.469	50526	627.12	55.2	95.13	133396	4.9710 ng/ml
Sertraline	5.747	6905	130.36	83.7	10024.85	55603	5.1578 ng/ml
Temazepam	5.781	48859	185.63	25.9	32.90	447684	5.0948 ng/ml
Tramadol	4.206	84669	358.80	3.6	60.08	889671	4.9421 ng/ml
Trazodone	4.890	63867	455.13	58.8	423.08	401015	4.7288 ng/ml
Venlafaxine	5.002	81460	490.14	33.1	40.84	880696	5.1301 ng/ml
Xylazine	4.030	31789	5875.30	42.3	221.33	226662	5.0367 ng/ml
Zolpidem	4.674	72449	1117.09	27.8	680.86	672243	4.9734 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

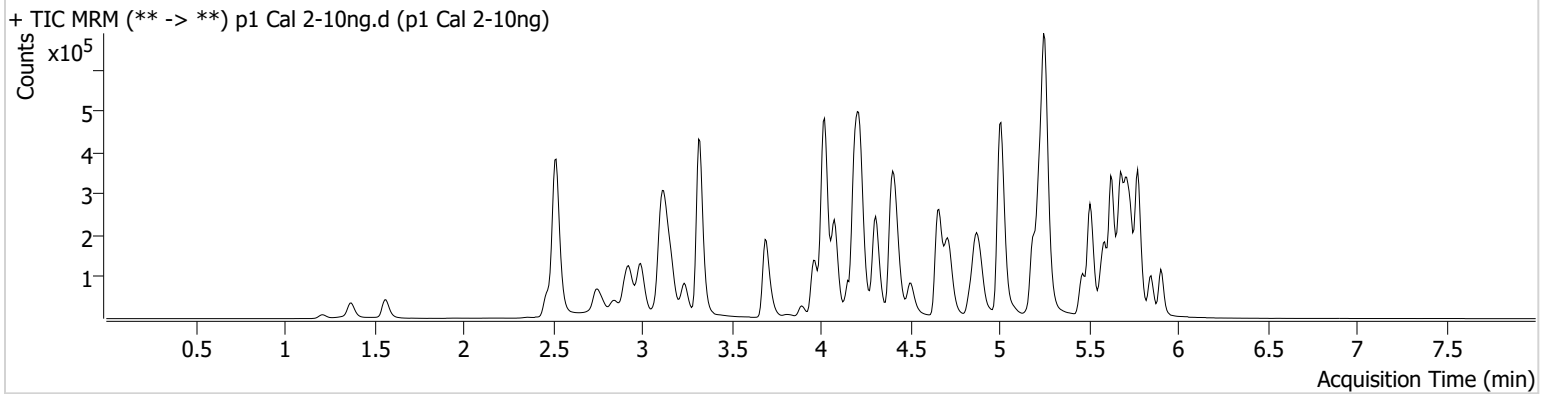


**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901) **Data File** p1 Cal 2-10ng.d  
**Type** Cal **Sample** p1 Cal 2-10ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-B1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/18/2023 11:50:18 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	1458	1159.06	70.2	887.13	45647	0.9791 ng/ml
7-aminoclonazepam	4.170	30532	738.69	74.4	57.02	126757	9.9868 ng/ml
a-hydroxyalprazolam	5.662	13661	524.87	73.7	130.88	56844	9.3529 ng/ml
alpha-PHP	4.881	28284	839.48	268.2	900.87	454570	9.8278 ng/ml
alpha-PVP	4.316	113872	2604.73	47.9	1794.93	454570	9.6796 ng/ml
Alprazolam	5.739	50574	810.54	105.7	325.42	195344	9.6024 ng/ml
Amphetamine	2.995	188595	357.50	49.1	1627.92	269220	10.1050 ng/ml
Benzoylcegonine	3.837	3357	188.93	8.1	27.45	11234	10.2686 ng/ml
Bromazolam	5.778	21034	19653.73	129.3	37149.17	102985	10.3988 ng/ml
Buprenorphine	5.585	2145	102.88	16.0	134.18	88928	0.9255 ng/ml
Bupropion	4.724	104071	7216.22	67.2	16004.99	336465	9.7955 ng/ml
Carisoprodol	5.687	62140	105677.82	64.9	136.66	291387	9.9914 ng/ml
Citalopram	5.192	83926	834.23	31.1	1560.37	389522	9.7649 ng/ml
Clonazepam	5.575	53430	383.20	36.8	30811.53	78419	9.9155 ng/ml
Clonazolam	5.525	38933	42440.23	37.7	23063.93	78419	9.9605 ng/ml
Cocaine	4.224	69731	548.98	55.7	248.83	620358	9.7373 ng/ml
Codeine	2.512	8812	158.19	100.6	18063.18	46717	10.0561 ng/ml
Cyclobenzaprine	5.598	46841	50556.78	8.5	131.93	214945	9.9342 ng/ml
Dextromethorphan	5.236	47789	337.24	84.5	2179.57	222746	9.8206 ng/ml
Dextrorphan	4.084	34999	159.43	211.1	755.87	405106	9.8865 ng/ml
Diazepam	5.911	33130	1176.71	89.8	38830.44	161300	9.8178 ng/ml
Dihydrocodeine	2.504	22248	708.89	67.3	231.48	132579	10.2858 ng/ml
Diphenhydramine	5.257	221194	436.18	30.7	607.50	1166219	9.5937 ng/ml
Doxylamine	4.423	191504	4129.36	98.0	9598.03	882479	9.7076 ng/ml
Duloxetine	5.624	4588	743.93	12.8	162.82	25397	9.6196 ng/ml
EDDP	5.228	83682	144.75	39.4	1258.14	450101	9.8617 ng/ml
Etizolam	5.778	31431	19090.85	26.9	7618.82	78419	9.9462 ng/ml
Fentanyl	5.028	5891	166.48	67.8	1459.76	314221	0.9464 ng/ml
Fluorofentanyl	5.081	14488	374.36	36.6	1721.43	2927	0.9756 ng/ml
Fluoxetine	5.685	49925	128223.00	7.6	1693.19	188524	9.7479 ng/ml
Hydrocodone	2.958	35656	118.20	36.3	170.84	198284	10.3167 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	27102	723.59	85.0	123102.79	94821	9.2878 ng/ml
Hydroxyzine	5.661	75578	378.15	72.2	1527.30	222746	9.8111 ng/ml
Ketamine	3.975	70813	2467.49	33.4	196.14	293713	10.3457 ng/ml
Lamotrigine	4.213	7000	394.66	80.9	104.08	893067	10.9438 ng/ml
Lorazepam	5.711	49625	467.89	54.1	135.40	332194	10.7544 ng/ml
MDA	3.150	122189	253.09	30.1	346.20	381745	10.2493 ng/ml
MDMA	3.244	71576	3067.70	87.1	1320.96	79633	10.0378 ng/ml
Meprobamate	4.861	35085	196.01	30.1	322.26	160195	10.2454 ng/ml
Methadone	5.630	120422	12588.62	58.4	1492.24	498909	9.7481 ng/ml
Methamphetamine	3.171	145887	459.29	39.1	945.70	601595	9.9963 ng/ml
Metoprolol	4.287	20157	6118.32	102.7	784.33	831588	10.2743 ng/ml
Mirtazapine	4.505	130072	585.68	52.7	623.84	454570	9.6516 ng/ml
Mitragynine	5.163	28835	1900.52	32.8	291.74	498909	9.8718 ng/ml
Morphine	1.220	3862	2065.88	31.9	117.15	4658	9.7394 ng/ml
Norbuprenorphine	4.964	329	175.17	117.3 <b>High</b>	387.61	13869	0.6448 ng/ml
Nordiazepam	5.851	40732	305.58	55.2	90608.12	135748	10.2769 ng/ml
Norfentanyl	4.043	16680	43.55	38.7	115.83	707754	0.9438 ng/ml
Norhydrocodone	3.019	8162	307.54	37.4	140.69	63958	9.3535 ng/ml
Noroxycodone	2.862	30356	569.11	53.1	254.40	95558	9.5760 ng/ml
O-desmethyl-tramadol	3.324	165024	757.83	5.8	344.23	967564	9.7457 ng/ml
o-desmethylvenlafaxine	4.029	149806	6099.79	22.6	530.33	169409	9.7199 ng/ml
Olanzapine	3.986	13655	411.12	57.5	312.36	32196	10.4004 ng/ml
Oxazepam	5.720	58739	599.33	73.4	120.88	332194	10.0565 ng/ml
Oxycodone	2.774	52106	655.08	32.2	290.30	222795	9.9054 ng/ml
Oxymorphone	1.371	26420	∞	51.1	202.00	84331	10.2394 ng/ml
Phentermine	3.726	38547	142.87	6.0	31.48	522287	10.1862 ng/ml
Promethazine	5.508	104719	1991.77	31.4	1029.61	465696	9.6820 ng/ml
Pseudoephedrine	2.528	172688	833.16	17.1	1862.12	893067	9.6066 ng/ml
Quetiapine	5.469	94108	49958.06	56.0	103938.56	128613	9.9310 ng/ml
Sertraline	5.747	14267	509.41	94.8	13407.24	62574	9.5861 ng/ml
Temazepam	5.781	94999	2487.16	26.4	76.86	441130	9.7231 ng/ml
Tramadol	4.206	160464	2331.72	3.5	59.17	831588	10.0650 ng/ml
Trazodone	4.897	121402	633.94	57.5	885.73	368604	10.5554 ng/ml
Venlafaxine	5.002	153969	837.87	33.5	347.41	842163	9.7561 ng/ml
Xylazine	4.030	59707	64714.32	44.5	291.04	219537	9.8193 ng/ml
Zolpidem	4.674	136523	2629.84	27.2	321.06	640088	9.9810 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

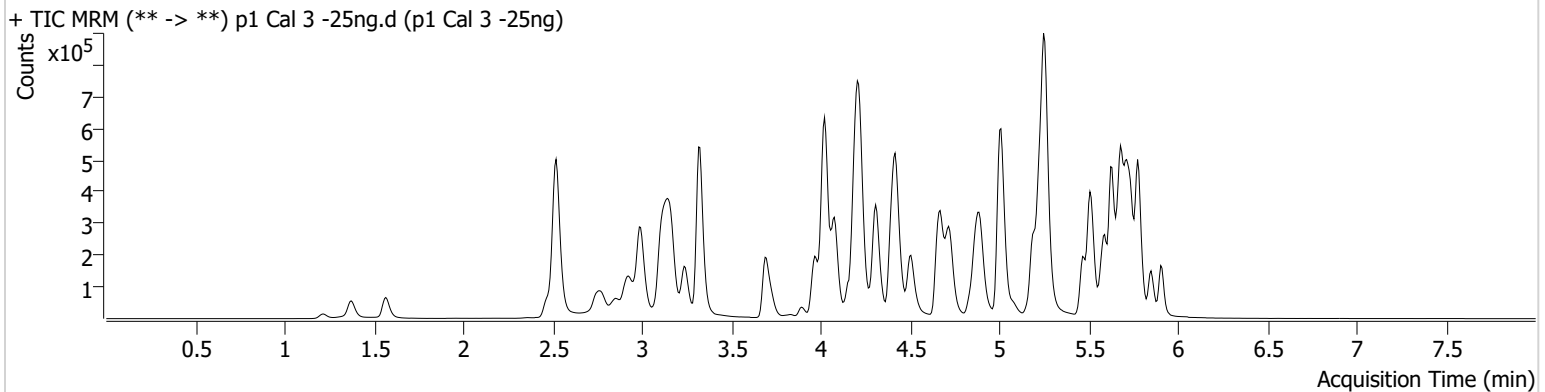


**Batch results** D:\MassHunter\Data\2023\AM 27 28\091823 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901) **Data File** p1 Cal 3 -25ng.d  
**Type** Cal **Sample** p1 Cal 3 -25ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-C1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 12:00:55 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	3.085	3864	12701.76	68.1	4121.79	46305	2.4633 ng/ml
7-aminoclonazepam	4.170	83357	260.50	72.9	2299.85	131165	27.1497 ng/ml
a-hydroxyalprazolam	5.662	34605	131.23	71.2	353.64	55906	24.6738 ng/ml
alpha-PHP	4.881	74148	717.32	258.7	9265.69	455562	25.4151 ng/ml
alpha-PVP	4.316	296094	10049.18	48.6	244.53	455562	24.6979 ng/ml
Alprazolam	5.739	130136	1806.76	105.5	887.84	198491	23.5592 ng/ml
Amphetamine	2.989	489940	852.44	48.9	6675.52	278055	26.6464 ng/ml
Benzoylcegonine	3.837	7645	332.87	8.8	389.26	11108	23.9148 ng/ml
Bromazolam	5.771	51708	413.26	129.3	3867.99	106327	24.9459 ng/ml
Buprenorphine	5.585	6053	948.73	14.7	856.93	90312	2.6800 ng/ml
Bupropion	4.724	266721	907.83	66.0	646.11	337414	24.5986 ng/ml
Carisoprodol	5.687	152390	651.96	63.3	137.26	288050	24.6613 ng/ml
Citalopram	5.192	208922	453.96	31.4	239.88	384298	24.2796 ng/ml
Clonazepam	5.575	135646	1705.26	35.7	132281.22	77016	26.2899 ng/ml
Clonazolam	5.518	98807	87370.08	36.7	46769.45	77016	26.6492 ng/ml
Cocaine	4.217	180178	12664.04	55.3	532.39	629918	24.6135 ng/ml
Codeine	2.512	22693	2135.69	97.7	564.96	46283	26.7657 ng/ml
Cyclobenzaprine	5.598	122775	124.42	8.3	92.77	226304	23.8971 ng/ml
Dextromethorphan	5.236	122883	416.16	84.2	5894.70	223470	25.1181 ng/ml
Dextrorphan	4.077	88379	1801.17	207.1	14351.33	405100	24.2729 ng/ml
Diazepam	5.911	84396	949.12	90.8	555.89	158006	25.5849 ng/ml
Dihydrocodeine	2.497	56240	4033.04	66.9	417.64	134852	26.3944 ng/ml
Diphenhydramine	5.257	568071	603.66	30.4	308.67	1146940	24.3720 ng/ml
Doxylamine	4.423	499377	14249.67	97.1	5216.55	891086	24.5758 ng/ml
Duloxetine	5.624	12724	4363.67	14.1	525.73	27431	25.0206 ng/ml
EDDP	5.228	207756	2582.50	41.3	68583.45	449081	24.2818 ng/ml
Etizolam	5.778	77157	83370.19	26.8	27146.79	77016	24.6281 ng/ml
Fentanyl	5.028	15342	310.05	68.7	354.15	328962	2.3205 ng/ml
Fluorofentanyl	5.074	38585	220.47	39.5	4150.32	3687	2.1333 ng/ml
Fluoxetine	5.685	145770	11479.31	7.4	11774.83	211973	24.5902 ng/ml
Hydrocodone	2.958	91339	∞	35.4	82.21	200688	26.9126 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	68024	3566.81	80.8	3242.52	88350	24.8931 ng/ml
Hydroxyzine	5.661	196610	1355.64	69.9	750.45	223470	24.3960 ng/ml
Ketamine	3.975	172453	922.39	35.3	405.40	292317	26.5221 ng/ml
Lamotrigine	4.213	16224	786.36	81.5	319.64	882188	26.4858 ng/ml
Lorazepam	5.711	115970	1729.25	54.4	124.51	327684	27.2289 ng/ml
MDA	3.143	312967	2676.32	30.7	949.07	391151	26.9016 ng/ml
MDMA	3.244	180133	7110.23	91.1	1423.40	80658	24.8277 ng/ml
Meprobamate	4.861	84528	92028.80	33.4	991.98	157030	26.3871 ng/ml
Methadone	5.630	308022	284.05	57.7	3219.14	495882	24.7819 ng/ml
Methamphetamine	3.171	368027	1165.65	39.4	3662.72	609974	26.0158 ng/ml
Metoprolol	4.287	49703	17233.25	104.5	760.49	830837	25.8071 ng/ml
Mirtazapine	4.505	330661	2406.21	53.5	2779.64	455562	23.4781 ng/ml
Mitragynine	5.156	71520	2833.16	32.0	11793.27	495882	23.8614 ng/ml
Morphine	1.220	9285	3235.96	31.3	1146.26	4474	24.6208 ng/ml
Norbuprenorphine	4.964	916	1226.72	78.2	282.86	14261	2.5788 ng/ml
Nordiazepam	5.851	101020	366.60	55.9	366.64	136513	25.4603 ng/ml
Norfentanyl	4.043	43862	64929.09	35.7	179.37	709775	2.4053 ng/ml
Norhydrocodone	3.019	19374	120.62	40.8	64.17	60617	21.9051 ng/ml
Noroxycodone	2.862	76772	2591.97	53.8	16098.54	96144	26.0712 ng/ml
O-desmethyl-tramadol	3.324	429511	25074.24	5.7	607.71	985655	24.3324 ng/ml
o-desmethylvenlafaxine	4.029	357816	11875.30	25.3	1021.20	167456	22.8733 ng/ml
Olanzapine	3.986	39875	864.85	59.0	117.70	38511	26.4381 ng/ml
Oxazepam	5.720	139373	861.76	75.8	764.21	327684	24.5182 ng/ml
Oxycodone	2.774	132607	760.54	33.4	868.70	225953	25.1770 ng/ml
Oxymorphone	1.371	66461	∞	49.9	864.63	86938	25.2147 ng/ml
Phentermine	3.726	98085	348.14	6.1	79.84	524743	26.8005 ng/ml
Promethazine	5.508	272146	102351.86	31.1	324.39	480572	23.7688 ng/ml
Pseudoephedrine	2.528	442287	13317.63	17.4	7321.90	882188	23.7682 ng/ml
Quetiapine	5.469	236011	681.08	57.1	243656.68	126781	25.8091 ng/ml
Sertraline	5.747	42591	713.15	92.9	460.56	76285	23.6754 ng/ml
Temazepam	5.781	236769	3647.15	26.0	386.46	422387	24.7647 ng/ml
Tramadol	4.206	412970	1246.63	3.6	93.52	830837	25.9949 ng/ml
Trazodone	4.890	306040	1464.23	58.6	226479.86	380698	26.8107 ng/ml
Venlafaxine	5.002	391605	2876.57	33.2	283.59	857241	23.7879 ng/ml
Xylazine	4.030	151177	9754.80	44.8	718.81	217874	25.1384 ng/ml
Zolpidem	4.674	352383	584.94	27.4	710.72	649821	25.5938 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

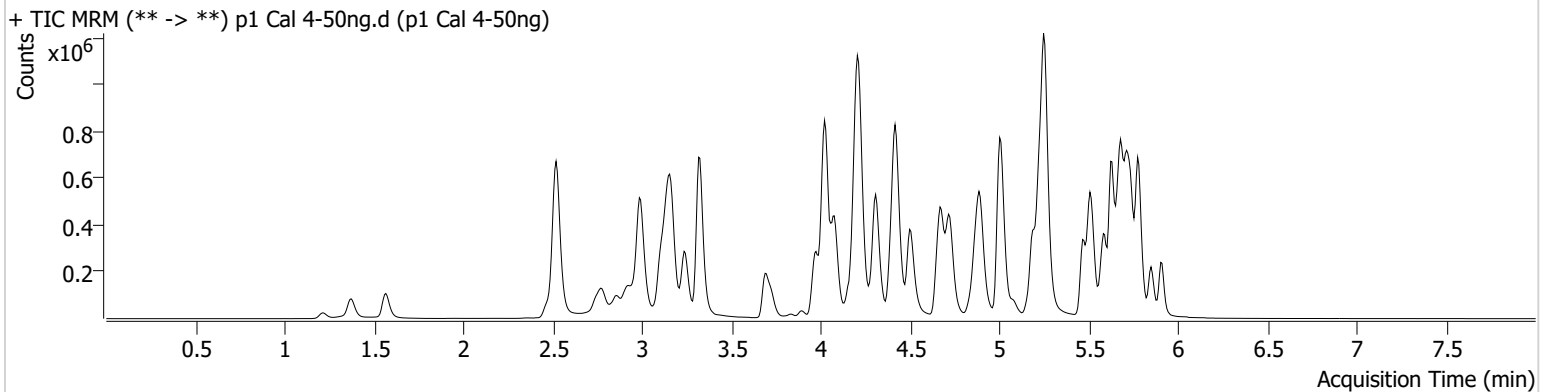


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**Calibration Last Update** 9/20/2023 7:51:55 AM

**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** Tamara Salazar  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 12:11:31 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	3.085	7926	400.98	67.3	1405.08	46574	4.9629 ng/ml
7-aminoclonazepam	4.170	151440	1166.45	75.2	394.81	123684	52.7609 ng/ml
a-hydroxyalprazolam	5.662	64681	808.62	73.4	613.04	49895	52.0814 ng/ml
alpha-PHP	4.881	141267	2143.44	263.1	18492.31	437689	50.2198 ng/ml
alpha-PVP	4.309	571254	6525.25	49.7	940.37	437689	49.3319 ng/ml
Alprazolam	5.739	249830	1876.19	102.2	1302.51	188854	47.0326 ng/ml
Amphetamine	2.989	925668	14874.32	49.1	5348.18	271743	52.2711 ng/ml
Benzoylcegonine	3.837	14898	233.89	9.1	110.00	10883	47.7676 ng/ml
Bromazolam	5.771	100476	154050.42	126.6	5012.08	98057	52.7103 ng/ml
Buprenorphine	5.585	12273	21807.34	14.5	1261.99	89314	5.5577 ng/ml
Bupropion	4.724	514029	684593.05	67.0	509.40	334571	47.5456 ng/ml
Carisoprodol	5.687	293197	793.24	63.1	905.73	280851	48.5821 ng/ml
Citalopram	5.186	407592	331.23	31.4	86374.82	370233	48.9256 ng/ml
Clonazepam	5.575	261059	3886.63	37.1	276542.05	75496	52.0146 ng/ml
Clonazolam	5.518	188714	242435.28	37.1	70327.95	75496	52.4668 ng/ml
Cocaine	4.217	354627	22854.74	54.3	8894.49	604429	50.3751 ng/ml
Codeine	2.512	42950	10677.73	97.9	69.09	44668	52.8646 ng/ml
Cyclobenzaprine	5.598	214683	8940.33	8.3	345.72	198519	47.0782 ng/ml
Dextromethorphan	5.229	229805	252.64	82.2	17892.16	215784	48.6152 ng/ml
Dextrorphan	4.077	169940	502.30	210.7	2251.72	387451	48.3404 ng/ml
Diazepam	5.911	162757	11258.19	93.2	943.20	154517	50.4871 ng/ml
Dihydrocodeine	2.497	110357	1077.50	67.0	1657.79	131977	53.4832 ng/ml
Diphenhydramine	5.257	1107506	935.18	29.7	7479.51	1101274	49.0505 ng/ml
Doxylamine	4.423	971321	599371.63	99.8	15565.46	887476	47.6987 ng/ml
Duloxetine	5.624	20290	9853.21	13.8	2490.24	21871	50.2464 ng/ml
EDDP	5.228	398679	997.03	41.5	257594.89	431696	48.3005 ng/ml
Etizolam	5.778	144876	8575.21	26.4	55409.65	75496	47.0322 ng/ml
Fentanyl	5.028	28708	122.49	70.0	100.41	299587	4.7440 ng/ml
Fluorofentanyl	5.074	71931	1478.96	38.4	5002.15	2782	5.3655 ng/ml
Fluoxetine	5.685	230462	1811.48	7.8	259.76	163238	50.0068 ng/ml
Hydrocodone	2.958	172580	∞	37.4	150.36	196878	52.3184 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	138968	2667.98	79.7	2764.50	89932	49.8859 ng/ml
Hydroxyzine	5.661	359192	10261.48	73.1	666.69	215784	45.5725 ng/ml
Ketamine	3.975	333760	725.86	36.0	445.17	287780	52.9450 ng/ml
Lamotrigine	4.213	31094	518.38	84.4	31798.17	852303	53.1344 ng/ml
Lorazepam	5.711	210632	4259.30	54.4	405.88	301798	54.9401 ng/ml
MDA	3.143	592850	4632.57	30.2	2363.07	371766	54.4649 ng/ml
MDMA	3.244	343734	2546.22	92.0	3578.56	78603	48.5429 ng/ml
Meprobamate	4.861	162262	477.58	32.5	8543.63	157487	51.2629 ng/ml
Methadone	5.630	578792	911.27	59.6	805.42	486388	47.2984 ng/ml
Methamphetamine	3.171	723825	756.34	38.6	550.24	608138	52.0698 ng/ml
Metoprolol	4.287	97517	92435.47	104.4	2021.44	826282	51.2107 ng/ml
Mirtazapine	4.498	652813	8597.52	52.8	3190.78	437689	47.5554 ng/ml
Mitragynine	5.156	136368	2584.14	33.1	33383.82	486388	45.8966 ng/ml
Morphine	1.220	18928	802.34	31.4	863.26	4420	50.9817 ng/ml
Norbuprenorphine	4.957	1543	1454.77	104.3	1424.41	14133	4.7265 ng/ml
Nordiazepam	5.851	192968	973.84	57.0	2112.27	133172	49.9296 ng/ml
Norfentanyl	4.043	81888	297411.18	36.9	200.86	669019	4.7222 ng/ml
Norhydrocodone	3.019	37527	171.47	38.2	53.67	53984	46.4569 ng/ml
Noroxycodone	2.862	151149	23155.87	53.8	817.31	94900	53.3161 ng/ml
O-desmethyl-tramadol	3.324	833712	2875.41	5.8	4792.59	957359	48.2626 ng/ml
o-desmethylvenlafaxine	4.029	731036	26557.08	23.4	1421.27	163664	47.3415 ng/ml
Olanzapine	3.979	70514	1105.34	58.6	535.75	34909	52.2675 ng/ml
Oxazepam	5.720	268765	258.69	73.6	967.20	301798	51.5913 ng/ml
Oxycodone	2.774	258031	2173.63	32.7	666.04	219750	50.5860 ng/ml
Oxymorphone	1.371	129543	∞	50.2	451.74	84116	50.9578 ng/ml
Phentermine	3.726	189272	432.59	6.2	100.40	516299	53.1909 ng/ml
Promethazine	5.508	484961	1805.72	30.4	3866.06	421279	47.8993 ng/ml
Pseudoephedrine	2.528	853199	1563.39	17.3	23427.31	852303	46.7449 ng/ml
Quetiapine	5.469	460189	338102.66	58.4	229307.54	126986	50.5764 ng/ml
Sertraline	5.747	64472	2881.00	90.6	2719.45	55882	49.0720 ng/ml
Temazepam	5.781	441266	17136.31	26.9	988.90	398637	48.5728 ng/ml
Tramadol	4.206	773961	1292.45	3.6	100.26	826282	49.0250 ng/ml
Trazodone	4.890	571306	2959.17	59.6	65119.62	352745	54.7531 ng/ml
Venlafaxine	5.002	777061	3693.46	32.0	428.65	832859	48.1743 ng/ml
Xylazine	4.030	289924	681982.29	46.1	1109.18	210162	50.0341 ng/ml
Zolpidem	4.674	683110	1315909.56	27.2	2629.07	640316	50.4877 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

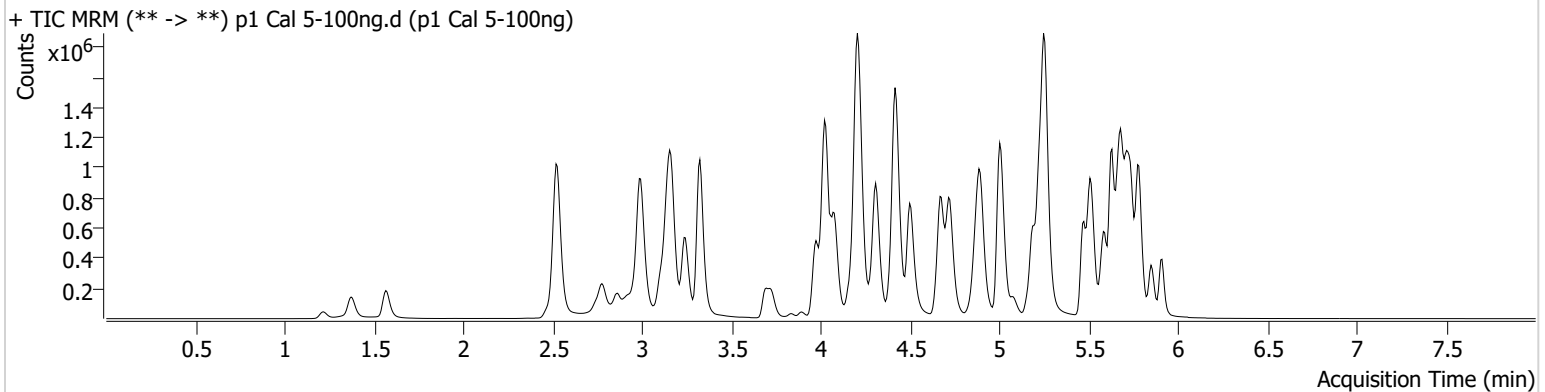


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**Calibration Last Update** 9/20/2023 7:51:55 AM

**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** Tamara Salazar  
**Sample Position** P2-E1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 12:22:09 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	3.085	15940	2104.24	70.8	20502.84	46364	9.9667 ng/ml
7-aminoclonazepam	4.170	310621	413.06	71.5	2868.69	123628	108.7810 ng/ml
a-hydroxyalprazolam	5.662	122835	476.24	73.1	985.15	47518	104.2243 ng/ml
alpha-PHP	4.881	283251	1181.03	262.1	77855.64	441635	99.6158 ng/ml
alpha-PVP	4.309	1162241	4207.48	49.1	939.13	441635	99.2058 ng/ml
Alprazolam	5.739	512424	2199.78	98.9	1215.73	176574	102.5867 ng/ml
Amphetamine	2.995	1766993	47960.91	48.8	11128.21	269460	101.3752 ng/ml
Benzoylcegonine	3.837	31442	144.41	7.4	211.38	11179	98.3507 ng/ml
Bromazolam	5.771	185730	942.56	130.2	210945.18	93955	101.8141 ng/ml
Buprenorphine	5.585	22302	3090.08	15.8	5818.47	89596	10.1169 ng/ml
Bupropion	4.724	1060100	1996.25	66.7	1011.77	332658	98.3182 ng/ml
Carisoprodol	5.687	546650	501.88	62.2	640.30	253851	100.1228 ng/ml
Citalopram	5.192	820694	16618.85	31.2	584.62	371783	97.8653 ng/ml
Clonazepam	5.575	487468	14942.46	36.9	5496.38	71235	103.3414 ng/ml
Clonazolam	5.518	353330	308182.46	37.5	182998.62	71235	104.6752 ng/ml
Cocaine	4.217	698056	1287.54	54.8	913.76	598603	100.0190 ng/ml
Codeine	2.512	83127	397.31	96.6	182.60	45641	100.4838 ng/ml
Cyclobenzaprine	5.598	440785	19197.31	8.4	688.46	198312	96.1698 ng/ml
Dextromethorphan	5.229	467722	10873.06	78.6	1648.40	209869	101.6985 ng/ml
Dextrorphan	4.077	340491	9482.37	210.0	825.56	376423	99.2103 ng/ml
Diazepam	5.911	327618	1748.29	89.5	2557.53	151483	103.6981 ng/ml
Dihydrocodeine	2.497	216688	682.03	68.9	4118.50	133095	104.6632 ng/ml
Diphenhydramine	5.257	2211167	33874.80	30.1	72413.59	1084725	98.9911 ng/ml
Doxylamine	4.416	2036125	4667.83	96.7	59473.74	902649	97.9762 ng/ml
Duloxetine	5.624	36097	972.31	12.6	1059.00	19471	100.6133 ng/ml
EDDP	5.228	798435	3364.39	41.0	543.57	420364	99.1563 ng/ml
Etizolam	5.778	286800	6950.45	26.2	8081.29	71235	98.5054 ng/ml
Fentanyl	5.028	59079	230.45	70.3	2998.81	302183	9.6552 ng/ml
Fluorofentanyl	5.074	151022	1547.43	39.0	1362.69	3166	9.9532 ng/ml
Fluoxetine	5.685	436959	583.82	7.7	2801.93	153981	100.0563 ng/ml
Hydrocodone	2.958	349582	455.60	37.3	∞	200788	104.4300 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	280736	2591.96	79.2	5020.56	89749	100.9067 ng/ml
Hydroxyzine	5.661	745634	8762.26	74.5	13400.57	209869	96.5250 ng/ml
Ketamine	3.975	684142	1553.39	34.3	12162.78	296746	106.0715 ng/ml
Lamotrigine	4.213	58943	1446.98	83.3	622.15	824284	104.7236 ng/ml
Lorazepam	5.711	363029	3770.97	57.0	827.63	274282	105.3361 ng/ml
MDA	3.143	1113063	9778.12	30.3	4968.27	356931	107.3229 ng/ml
MDMA	3.244	698592	925.26	90.5	3043.14	77621	99.8236 ng/ml
Meprobamate	4.861	306111	66703.18	31.6	3547.47	148889	103.1167 ng/ml
Methadone	5.630	1204594	990.09	56.7	1866.53	484652	98.5803 ng/ml
Methamphetamine	3.171	1436467	1795.60	37.9	593.99	615687	102.8069 ng/ml
Metoprolol	4.287	193452	280809.03	105.4	656.19	796859	105.6662 ng/ml
Mirtazapine	4.498	1317677	3151.87	53.0	3276.18	441635	94.4773 ng/ml
Mitragynine	5.156	277964	331.83	32.9	936.72	484652	93.3470 ng/ml
Morphine	1.220	38355	1217.63	31.4	129.49	4431	103.2169 ng/ml
Norbuprenorphine	4.957	3146	1164.34	101.4	7167.19	14551	9.8394 ng/ml
Nordiazepam	5.851	372365	2035.86	57.1	24577.56	123060	104.3509 ng/ml
Norfentanyl	4.043	160713	13979.96	38.2	391.31	639254	9.6541 ng/ml
Norhydrocodone	3.019	71203	138.57	38.2	82.64	46805	100.4646 ng/ml
Noroxycodone	2.862	297739	28832.98	54.1	4303.18	93995	107.3411 ng/ml
O-desmethyl-tramadol	3.324	1705190	54854.80	5.8	709.36	961433	97.9148 ng/ml
o-desmethylvenlafaxine	4.022	1438277	41948.41	23.7	3302.20	153968	98.5347 ng/ml
Olanzapine	3.986	180723	2185.70	60.5	2320.21	45514	103.4465 ng/ml
Oxazepam	5.720	481462	529.02	70.7	1005.51	274282	101.9178 ng/ml
Oxycodone	2.774	526633	936.83	33.5	6268.43	223307	101.8144 ng/ml
Oxymorphone	1.371	259047	2073.43	53.0	∞	84410	101.7035 ng/ml
Phentermine	3.726	373486	1148.85	6.0	1163.35	510887	106.7223 ng/ml
Promethazine	5.508	1009590	23922.91	31.5	5660.88	430435	97.1761 ng/ml
Pseudoephedrine	2.528	1696685	81168.15	17.0	678.77	824284	95.3618 ng/ml
Quetiapine	5.469	936129	35783.18	57.9	703.85	126331	103.7854 ng/ml
Sertraline	5.747	107762	548.75	90.6	57911.88	44918	102.1919 ng/ml
Temazepam	5.781	797031	991.49	26.3	534.94	353109	98.6933 ng/ml
Tramadol	4.206	1602373	∞	3.5	858.10	796859	105.2964 ng/ml
Trazodone	4.890	1137652	92456.26	61.7	3979.39	357545	108.2681 ng/ml
Venlafaxine	5.002	1574781	1477.37	31.2	2085.59	835092	96.9666 ng/ml
Xylazine	4.030	574141	677837.16	47.6	828.50	206951	100.6767 ng/ml
Zolpidem	4.674	1397243	4407.43	27.2	2593.62	653382	101.3449 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

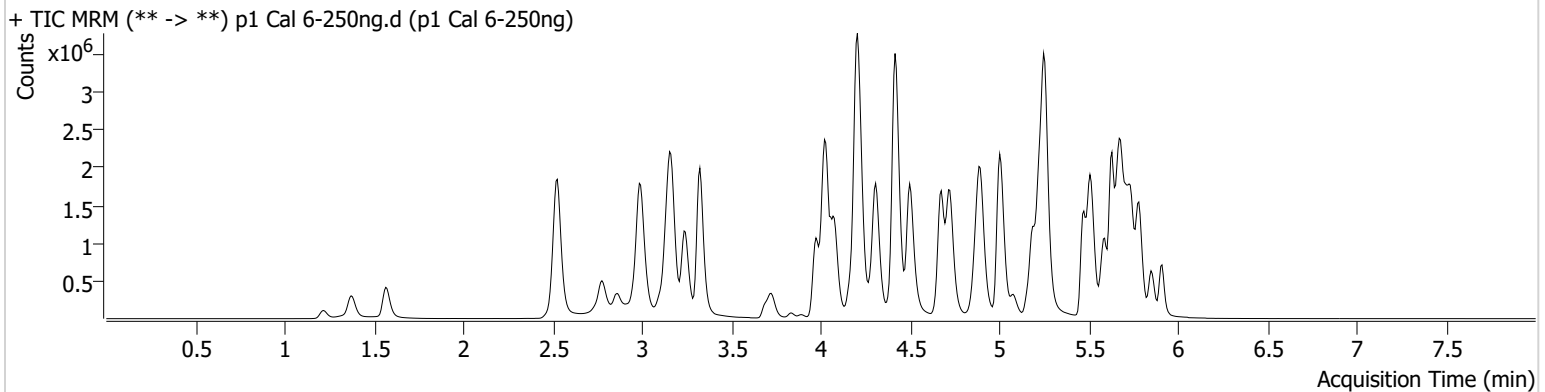
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**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-F1  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 12:32:46 AM  
**Sample Info.**

**Data File** p1 Cal 6-250ng.d  
**Sample** p1 Cal 6-250ng  
**Operator** Tamara Salazar

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	37924	33752.82	70.5	1066.48	44278	24.7415 ng/ml
7-aminoclonazepam	4.170	649986	7074.51	72.3	8458.25	111041	254.0820 ng/ml
a-hydroxyalprazolam	5.662	219753	437.04	74.4	258.10	35206	252.1948 ng/ml
alpha-PHP	4.881	651239	4055.95	256.8	6000.36	404761	249.6242 ng/ml
alpha-PVP	4.309	2652310	107539.83	50.4	1107.57	404761	246.6294 ng/ml
Alprazolam	5.739	1079716	∞	98.7	790.99	147682	257.6953 ng/ml
Amphetamine	2.995	3677994	44476.74	46.7	3753.71	257859	221.4592 ng/ml
Benzoylcegonine	3.837	78006	303.18	8.3	318.16	10893	250.7262 ng/ml
Bromazolam	5.771	349413	2710.89	134.8	71513.41	73916	243.6576 ng/ml
Buprenorphine	5.585	53816	1574.91	14.9	4111.40	88442	24.8185 ng/ml
Bupropion	4.724	2519225	148698.56	65.6	26870.80	306318	253.2924 ng/ml
Carisoprodol	5.694	1028532	598.50	62.9	671.30	191912	249.0566 ng/ml
Citalopram	5.186	1883400	964.05	31.2	957.72	337846	246.7898 ng/ml
Clonazepam	5.575	960326	48691.86	36.0	879974.80	58303	249.3258 ng/ml
Clonazolam	5.525	715315	259800.77	38.8	366166.53	58303	259.7641 ng/ml
Cocaine	4.217	1566945	707.18	55.5	73579.43	545278	246.3157 ng/ml
Codeine	2.512	165484	487.96	94.7	606.56	41484	220.5450 ng/ml
Cyclobenzaprine	5.598	1029149	22832.29	7.8	492.36	174660	254.0187 ng/ml
Dextromethorphan	5.229	1001712	370.62	79.3	5150.09	182532	250.3766 ng/ml
Dextrorphan	4.077	759023	1457.53	216.9	788.04	340726	243.6653 ng/ml
Diazepam	5.911	685901	517.98	89.0	5154.27	128879	255.2276 ng/ml
Dihydrocodeine	2.497	485309	2295.86	69.5	1102.17	127714	245.0345 ng/ml
Diphenhydramine	5.257	4921165	3702.57	31.0	21662.56	958462	248.6956 ng/ml
Doxylamine	4.416	5057185	14256.07	93.4	383351.56	852833	257.0527 ng/ml
Duloxetine	5.624	74457	1677.90	13.8	569.41	15954	253.5950 ng/ml
EDDP	5.228	1891575	1955.45	40.2	316.62	399517	246.9115 ng/ml
Etizolam	5.778	590909	4652.09	26.8	143872.46	58303	247.7370 ng/ml
Fentanyl	5.028	139084	845.03	70.3	1190.79	268648	25.5301 ng/ml
Fluorofentanyl	5.074	368349	2983.33	38.2	11868.10	3260	23.6598 ng/ml
Fluoxetine	5.685	893145	1681.12	7.8	266.47	127180	246.9458 ng/ml
Hydrocodone	2.958	786253	598.87	38.1	∞	187136	252.7507 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	692188	4066.32	80.4	7734.03	88945	250.9354 ng/ml
Hydroxyzine	5.661	1700773	44904.92	77.2	56972.02	182532	252.0816 ng/ml
Ketamine	3.975	1527491	49525.70	34.1	1464.82	275026	256.7050 ng/ml
Lamotrigine	4.213	115190	9697.05	86.5	86353.52	714583	236.8315 ng/ml
Lorazepam	5.711	548036	2047.91	57.2	3717.60	179290	244.9443 ng/ml
MDA	3.143	2136497	2640.99	29.6	5039.96	304475	242.5623 ng/ml
MDMA	3.244	1608887	22368.52	90.5	8505.86	70894	251.5956 ng/ml
Meprobamate	4.861	590754	16554.44	31.4	5889.61	133919	222.1944 ng/ml
Methadone	5.630	2724073	2950.52	57.8	2822.10	433572	248.8978 ng/ml
Methamphetamine	3.164	3334905	1048.44	37.4	1994.58	594398	248.3054 ng/ml
Metoprolol	4.287	419009	2253.87	106.7	4315.40	752065	242.8973 ng/ml
Mirtazapine	4.498	3140384	13145.90	52.7	2524.41	404761	244.6320 ng/ml
Mitragynine	5.156	657978	915574.02	33.0	2012.73	433572	246.1457 ng/ml
Morphine	1.220	97373	857.58	31.8	615.02	4521	257.0392 ng/ml
Norbuprenorphine	4.957	7418	1674.86	98.4	2930.49	14154	24.5471 ng/ml
Nordiazepam	5.851	772467	19293.22	56.8	512.46	107511	247.8907 ng/ml
Norfentanyl	4.043	334068	19967.00	38.1	406.83	525408	24.3506 ng/ml
Norhydrocodone	3.019	148244	919.71	40.3	93.71	36125	269.2939 ng/ml
Noroxycodone	2.862	653158	6023.99	54.6	2841.58	85178	261.7312 ng/ml
O-desmethyl-tramadol	3.324	4102875	167478.28	5.8	4348.84	903397	250.1596 ng/ml
o-desmethylvenlafaxine	4.022	3145997	154537.78	23.2	5847.47	131368	251.9305 ng/ml
Olanzapine	3.979	463100	3063.67	61.5	2060.62	48748	248.5063 ng/ml
Oxazepam	5.720	813491	1293.59	69.5	341.03	179290	263.8109 ng/ml
Oxycodone	2.774	1279121	2452.15	32.8	2242.94	213515	258.9615 ng/ml
Oxymorphone	1.371	634276	∞	52.4	∞	82527	254.9407 ng/ml
Phentermine	3.726	813269	1306.69	5.8	129.07	492307	241.9827 ng/ml
Promethazine	5.508	2432948	1731.42	31.4	27109.41	410797	244.7563 ng/ml
Pseudoephedrine	2.528	3793511	6912.90	17.0	110204.49	714583	244.8161 ng/ml
Quetiapine	5.469	2170092	131249.66	58.7	94514.81	120175	253.4205 ng/ml
Sertraline	5.747	213530	447.06	88.5	422.66	36112	252.0730 ng/ml
Temazepam	5.781	1344098	853.33	25.9	4351.19	238076	246.3425 ng/ml
Tramadol	4.199	3605427	∞	3.6	164.76	752065	251.0941 ng/ml
Trazodone	4.890	2392213	5191.18	66.2	5672.26	327812	249.2520 ng/ml
Venlafaxine	5.002	3789570	37032.94	30.9	752.72	765608	253.8798 ng/ml
Xylazine	4.030	1309010	108345.24	47.7	3896.41	187852	252.9586 ng/ml
Zolpidem	4.674	3345173	3691.34	26.9	2397.97	633301	250.5330 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

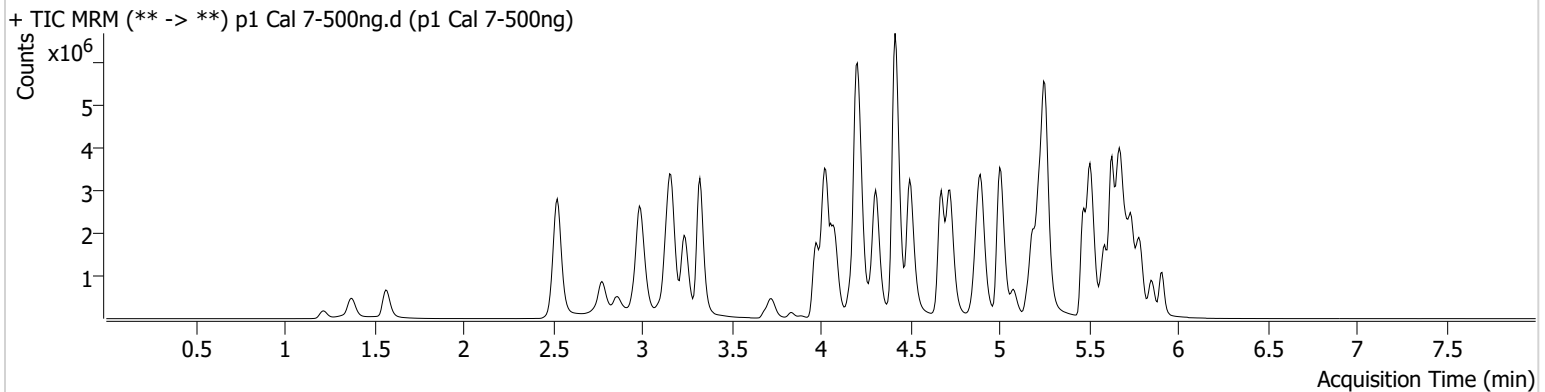


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**Calibration Last Update** 9/20/2023 7:51:55 AM

**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** Tamara Salazar  
**Sample Position** P2-G1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 12:43:24 AM  
**Sample Info.**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	75174	3114.38	67.6	2694.35	41963	51.6857 ng/ml
7-aminoclonazepam	4.170	1073768	8682.52	71.9	484.97	97333	479.2824 ng/ml
a-hydroxyalprazolam	5.662	294158	530.54	69.7	259.55	23248	511.5987 ng/ml
alpha-PHP	4.881	1132881	8628.51	261.9	31380.49	353715	496.7272 ng/ml
alpha-PVP	4.309	4819336	139993.21	50.0	33908.60	353715	512.5230 ng/ml
Alprazolam	5.739	1753568	1724.70	100.5	2306.53	118087	522.9060 ng/ml
Amphetamine	2.989	5601536	845.53	46.9	731.04	243065	358.3084 ng/ml
Benzoylcegonine	3.837	156563	753.51	8.1	353.00	10732	510.9818 ng/ml
Bromazolam	5.771	522483	522110.20	128.3	866.97	52748	510.7028 ng/ml
Buprenorphine	5.585	94638	1050.89	14.5	25277.39	88423	43.7000 ng/ml
Bupropion	4.724	4606546	2301.24	66.3	198223.37	284209	498.9175 ng/ml
Carisoprodol	5.694	1404992	621.09	64.0	16144.29	129082	505.7256 ng/ml
Citalopram	5.186	3373659	4075.58	31.1	846.80	287318	519.5467 ng/ml
Clonazepam	5.575	1359615	98930.88	36.3	3013.09	45944	448.2755 ng/ml
Clonazolam	5.525	1047332	2070988.09	39.3	306496.83	45944	483.1355 ng/ml
Cocaine	4.217	2724009	1369.18	55.5	43248.08	460248	507.1958 ng/ml
Codeine	2.512	249216	5755.67	92.3	197.41	37671	366.0138 ng/ml
Cyclobenzaprine	5.598	2068831	68620.86	7.8	204.69	173188	514.4034 ng/ml
Dextromethorphan	5.229	1714161	975.93	78.0	539.74	153960	507.9289 ng/ml
Dextrorphan	4.077	1324470	8871.73	215.2	3322.81	286424	505.3097 ng/ml
Diazepam	5.911	1129973	7329.86	87.7	33539.73	108995	497.2078 ng/ml
Dihydrocodeine	2.497	806865	99098.41	68.9	1565.05	122242	426.0390 ng/ml
Diphenhydramine	5.257	8769536	5893.29	29.9	64950.90	817989	518.8240 ng/ml
Doxylamine	4.416	9865440	11496.71	93.4	289837.48	799621	534.4849 ng/ml
Duloxetine	5.624	125244	6068.95	14.4	7461.98	13554	502.3171 ng/ml
EDDP	5.228	3431450	629.18	40.7	1874.90	353700	505.7551 ng/ml
Etizolam	5.778	944807	7901.25	27.8	198625.64	45944	502.4994 ng/ml
Fentanyl	5.028	296820	2525.16	69.4	2920.81	255831	57.1851 ng/ml
Fluorofentanyl	5.074	842767	6584.91	38.5	35285.23	3435	51.4578 ng/ml
Fluoxetine	5.685	1658893	51048.79	7.6	127551.81	116974	498.2243 ng/ml
Hydrocodone	2.958	1394380	1283.51	38.9	546.94	174845	480.2210 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	1235452	6908.60	79.5	6601981.34	78426	507.8757 ng/ml
Hydroxyzine	5.661	3233271	70194.61	79.0	902.86	153960	567.3334 ng/ml
Ketamine	3.975	2607709	3850.95	34.4	13804.47	251055	480.8112 ng/ml
Lamotrigine	4.213	165494	3397.46	89.5	24266.56	569975	427.0664 ng/ml
Lorazepam	5.711	594902	376614.73	55.9	1288.23	106681	447.9151 ng/ml
MDA	3.136	2979308	14282.71	28.8	5321.74	256565	401.9717 ng/ml
MDMA	3.237	2833678	7406.53	90.6	13941.80	60451	519.5954 ng/ml
Meprobamate	4.861	839961	23170.93	30.4	10702.71	118219	358.3891 ng/ml
Methadone	5.630	5113601	164076.23	57.2	1558.19	391338	517.4439 ng/ml
Methamphetamine	3.164	5828529	6453.21	37.2	3209.52	568040	454.7464 ng/ml
Metoprolol	4.287	690149	35449.04	107.2	10715.86	660368	455.8986 ng/ml
Mirtazapine	4.498	5932989	1941.30	51.3	1553.56	353715	528.1101 ng/ml
Mitragynine	5.156	1302512	1627172.80	33.8	3456.09	391338	539.2318 ng/ml
Morphine	1.220	172917	∞	31.4	970.64	4164	495.8027 ng/ml
Norbuprenorphine	4.957	14353	81971.19	103.5	179.37	13468	50.4152 ng/ml
Nordiazepam	5.851	1174877	38809.20	57.6	8683.65	82530	491.2260 ng/ml
Norfentanyl	4.043	519215	29328.47	38.3	1349.45	383158	51.8482 ng/ml
Norhydrocodone	3.019	268271	683.99	38.8	321.54	31481	558.1269 ng/ml
Noroxycodone	2.862	1077756	19542.14	54.9	2134.88	71435	516.2379 ng/ml
O-desmethyl-tramadol	3.324	7573032	∞	5.8	∞	807226	516.3631 ng/ml
o-desmethylvenlafaxine	4.022	5079072	100077.44	23.0	6557.63	102397	521.3423 ng/ml
Olanzapine	3.979	897210	5852.83	61.8	7762.48	54339	432.4558 ng/ml
Oxazepam	5.713	903753	4100.07	73.0	3341.58	106681	492.7616 ng/ml
Oxycodone	2.774	2382374	2129.74	32.7	5920.44	205545	501.2191 ng/ml
Oxymorphone	1.371	1115935	∞	51.0	∞	73104	506.5122 ng/ml
Phentermine	3.726	1305094	2146.82	5.8	1221.86	454820	420.8099 ng/ml
Promethazine	5.508	5341414	1309.59	30.0	3425.33	422295	522.2604 ng/ml
Pseudoephedrine	2.528	6462112	260764.42	16.3	46816.24	569975	522.0285 ng/ml
Quetiapine	5.469	3984086	5409.60	61.0	54630.85	114779	487.4549 ng/ml
Sertraline	5.747	338571	18460.42	85.5	992.16	28467	507.1594 ng/ml
Temazepam	5.788	1693638	∞	26.7	328.48	142308	518.9200 ng/ml
Tramadol	4.199	6241362	∞	3.6	280.83	660368	495.0693 ng/ml
Trazodone	4.897	4191839	166686.68	70.6	57326.80	308051	465.4061 ng/ml
Venlafaxine	5.002	6907928	78373.22	30.3	15392.28	677086	522.8803 ng/ml
Xylazine	4.030	2286550	96129.42	50.0	10399.88	165772	500.7706 ng/ml
Zolpidem	4.674	6292909	8701.94	26.5	2187.26	593336	503.1880 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

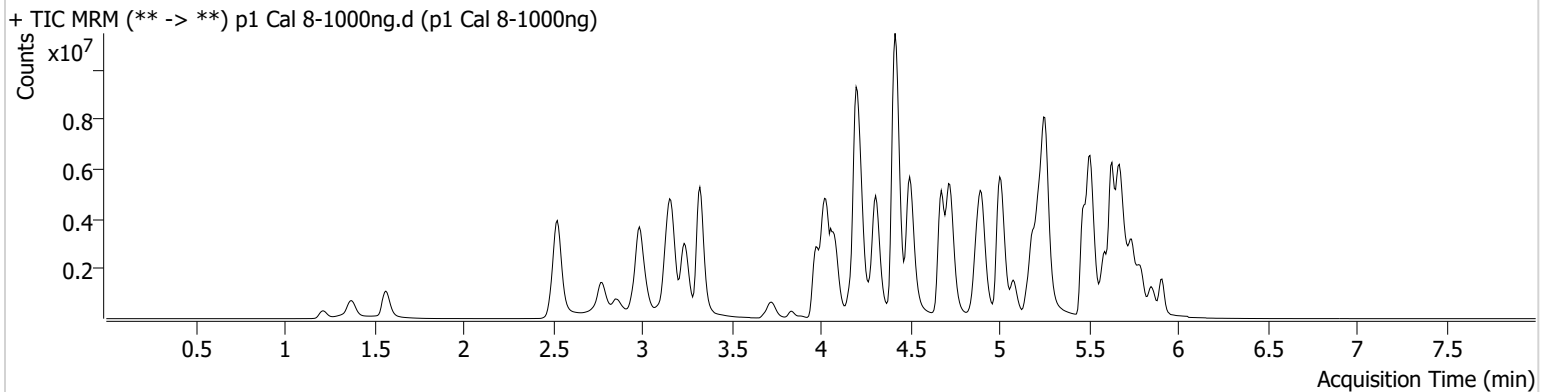


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**Calibration Last Update** 9/20/2023 7:51:55 AM

**Instrument** Falco (069901) **Data File** p1 Cal 8-1000ng.d  
**Type** Cal **Sample** p1 Cal 8-1000ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-H1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/19/2023 12:54:01 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	3.085	152679	1479.44	68.2	1729.24	43638	100.8882 ng/ml
7-aminoclonazepam	4.170	1698076	2155.71	71.7	555.12	89690	822.8872 ng/ml
a-hydroxyalprazolam	5.662	276709	248.35	71.2	234.18	11992	933.2933 ng/ml
alpha-PHP	4.874	1984596	16019.81	262.4	15063.06	306821	1002.9864 ng/ml
alpha-PVP	4.309	8434721	499720.51	50.8	123234.13	306821	1033.8429 ng/ml
Alprazolam	5.739	2489343	964.37	98.2	∞	85949	1019.4050 ng/ml
Amphetamine	2.989	8044709	70450.28	46.8	50510.40	226662	552.2655 ng/ml
Benzoylcegonine	3.837	334264	1410.64	8.2	1224.88	11123	1052.8203 ng/ml
Bromazolam	5.771	664504	515692.47	130.2	479.56	37284	919.0387 ng/ml
Buprenorphine	5.578	158310	64977.78	14.4	21167.92	87753	73.7013 ng/ml
Bupropion	4.724	8763409	6240.51	63.9	2372.84	251365	1072.8263 ng/ml
Carisoprodol	5.694	1588826	364.88	63.9	32774.41	71796	1028.1252 ng/ml
Citalopram	5.186	5533239	58026.60	30.8	3748.93	233441	1048.5504 ng/ml
Clonazepam	5.575	1623605	38149.86	35.4	37609.16	32704	752.3167 ng/ml
Clonazolam	5.532	1318301	1364564.67	40.0	433809.04	32704	854.7765 ng/ml
Cocaine	4.224	4574350	387902.10	54.7	71043.98	384706	1018.8590 ng/ml
Codeine	2.505	365530	398.47	90.5	1907.92	33667	600.9378 ng/ml
Cyclobenzaprine	5.598	3918102	78214.95	7.5	2122.48	155600	1083.7090 ng/ml
Dextromethorphan	5.229	2492477	73922.47	78.4	110592.76	114070	996.7936 ng/ml
Dextrorphan	4.077	2305029	16382.83	215.9	∞	232890	1081.0411 ng/ml
Diazepam	5.911	1695728	6266.63	91.1	14688.32	87340	931.1834 ng/ml
Dihydrocodeine	2.491	1376434	1440.87	66.5	29572.51	122309	726.7789 ng/ml
Diphenhydramine	5.257	13912610	91319.60	30.3	163178.17	650186	1035.1069 ng/ml
Doxylamine	4.416	18382518	3309.51	92.1	12353.57	801853	992.8797 ng/ml
Duloxetine	5.617	212766	164537.05	13.0	26820.04	11693	989.3634 ng/ml
EDDP	5.228	6566529	1240.06	39.5	126153.06	319999	1069.5639 ng/ml
Etizolam	5.778	1454476	2854.53	27.0	12079.37	32704	1086.5655 ng/ml
Fentanyl	5.028	607941	44774.48	67.9	136850.34	227725	131.5514 ng/ml
Fluorofentanyl	5.074	1999290	16000.12	38.1	34522.29	3841	109.2350 ng/ml
Fluoxetine	5.685	3113537	108.40	7.8	199.88	105050	1040.7519 ng/ml
Hydrocodone	2.951	2454619	1017.85	39.2	434.97	170592	866.8591 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.569	2238394	3154894.01	79.5	11660611.1 0	71215	1013.2791 ng/ml
Hydroxyzine	5.661	5499897	12256.66	79.9	2787.40	114070	1301.6802 ng/ml
Ketamine	3.968	3994658	115753.04	34.0	682.63	221827	834.1993 ng/ml
Lamotrigine	4.220	192564	2302.42	87.1	817.45	418346	677.3838 ng/ml
Lorazepam	5.711	540189	209055.03	56.1	4515.57	49733	873.6566 ng/ml
MDA	3.136	3839014	7795.44	28.5	13000.10	204933	648.9868 ng/ml
MDMA	3.237	4789856	150610.66	87.5	59445.47	53822	986.4052 ng/ml
Meprobamate	4.855	1059047	60932.29	29.7	8264.87	102648	520.7833 ng/ml
Methadone	5.630	9170553	278389.51	56.3	47243.37	345221	1051.7285 ng/ml
Methamphetamine	3.164	9818927	65194.14	36.2	74147.23	592393	735.0605 ng/ml
Metoprolol	4.280	1027138	1313730.76	106.6	49495.43	601087	745.6173 ng/ml
Mirtazapine	4.498	11005576	201858.37	49.4	2766.36	306821	1128.6177 ng/ml
Mitragynine	5.156	2383319	7814.80	34.3	967.66	345221	1117.9293 ng/ml
Morphine	1.213	304398	∞	33.9	∞	3796	957.4344 ng/ml
Norbuprenorphine	4.957	31030	17811.72	94.5	292.31	14063	104.9034 ng/ml
Nordiazepam	5.858	1676564	92766.22	55.8	10370.61	60470	956.7857 ng/ml
Norfentanyl	4.043	677759	16399.54	38.5	6140.99	229229	113.0774 ng/ml
Norhydrocodone	3.019	513985	140.47	37.3	196.04	26231	1282.0230 ng/ml
Noroxycodone	2.856	1644121	∞	55.1	10724.00	58570	961.6324 ng/ml
O-desmethyl-tramadol	3.324	13747436	322244.39	5.7	8746.94	718731	1052.3958 ng/ml
o-desmethylvenlafaxine	4.029	7286979	175299.49	22.6	6579.43	69948	1094.4829 ng/ml
Olanzapine	3.979	1990090	7451.90	62.3	6125.65	77907	669.4458 ng/ml
Oxazepam	5.713	791180	212.53	71.6	144.17	49733	925.5517 ng/ml
Oxycodone	2.774	4482738	5461.96	33.0	2376.35	207722	933.4058 ng/ml
Oxymorphone	1.371	1952423	∞	51.2	∞	70809	915.0457 ng/ml
Phentermine	3.726	2135440	7311.81	5.6	810.91	449266	697.4857 ng/ml
Promethazine	5.508	11268103	198354.81	28.9	83458.81	423987	1096.9040 ng/ml
Pseudoephedrine	2.528	10357659	107990.14	16.1	88987.58	418346	1139.1456 ng/ml
Quetiapine	5.469	7155582	786.68	60.4	325870.13	106671	942.3614 ng/ml
Sertraline	5.747	571579	23254.86	88.7	49080.55	23511	1036.8446 ng/ml
Temazepam	5.795	1841226	76379.05	26.9	8661.45	77427	1036.5373 ng/ml
Tramadol	4.199	10755490	∞	3.5	∞	601087	937.3096 ng/ml
Trazodone	4.897	6880441	2813.07	70.9	74482.03	286924	820.7167 ng/ml
Venlafaxine	5.002	12540162	15357.37	29.6	110610.56	610453	1052.4093 ng/ml
Xylazine	4.023	4021876	176276.14	49.8	15993.19	148343	984.3601 ng/ml
Zolpidem	4.674	11531132	19119.22	25.8	6320.68	574890	951.7525 ng/ml