

**Worklist: 6407**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-1939	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-2109	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-2112	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-2148	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-2254	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2023-1206	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2023-1258	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2023-1380	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2023-1458	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1459	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1466	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1495	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1506	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1515	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1517	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1518	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1574	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1575	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1576	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1579	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1590	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 6407**

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-1604	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ



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

TS

Extraction Date: 06/07/2023

Plate lot#: 230117

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: 07/17/2023

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 **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 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:

Curves Limited:

Calibrators 3 and 4 were reinjected due to poor chromatography in some compounds.

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

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

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

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

TS

Codeine 5-500 -- calibrator 8 dropped due to accuracy  
Dihydrocodeine 5-500 -- calibrator 8 dropped due to accuracy  
Flualprazolam 5-500 -- calibrator 8 dropped due to accuracy  
MDA 5-250 -- calibrators 7 and 8 dropped due to accuracy  
Meprobamate 5-250 -- calibrators 7 and 8 dropped due to accuracy  
Methamphetamine 5-500 -- calibrator 8 dropped due to accuracy  
Norfentanyl 0.5-25 -- calibrators 7 and 8 dropped due to accuracy  
Norhydrocodone 5-500 -- calibrator 8 dropped due to accuracy  
Oxycodone 5-500 -- calibrator 8 dropped due to accuracy  
Phentermine 5-500 --calibrator 8 dropped due to accuracy

Chlordiazepoxide and DMT not evaluated due to ratios.  
EDDP not evaluated due to variable ITSD responses.  
Norbuprenorphine not evaluated due to inflated accuracy in QC 10

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2023-2112-2	P2023-1517-1	P2023-1206-1							
B	IS + Cal. 2	IS + QC_2	M2023-2148-3	P2023-1518-1	P2023-1258-1							
C	IS + Cal. 3	IS + QC_3	P2023-1458-1	P2023-1574-1	P2023-1380-1							
D	IS + Cal. 4	IS + QC_4	P2023-1459-1	P2023-1575-1	P2023-1604-1							
E	IS + Cal. 5	IS + QC_2	P2023-1466-3	P2023-1576-1	M2023-2254-2							
F	IS + Cal. 6	Neg Blood	P2023-1495-1	P2023-1579-1								
G	IS + Cal. 7	M2023-1939-2	P2023-1506-1	P2023-1590-1								
H	IS + Cal. 8	M2023-2109-6	P2023-1515-1	Neg Urine								

All wells to contain 60 µl of Trapping Solution

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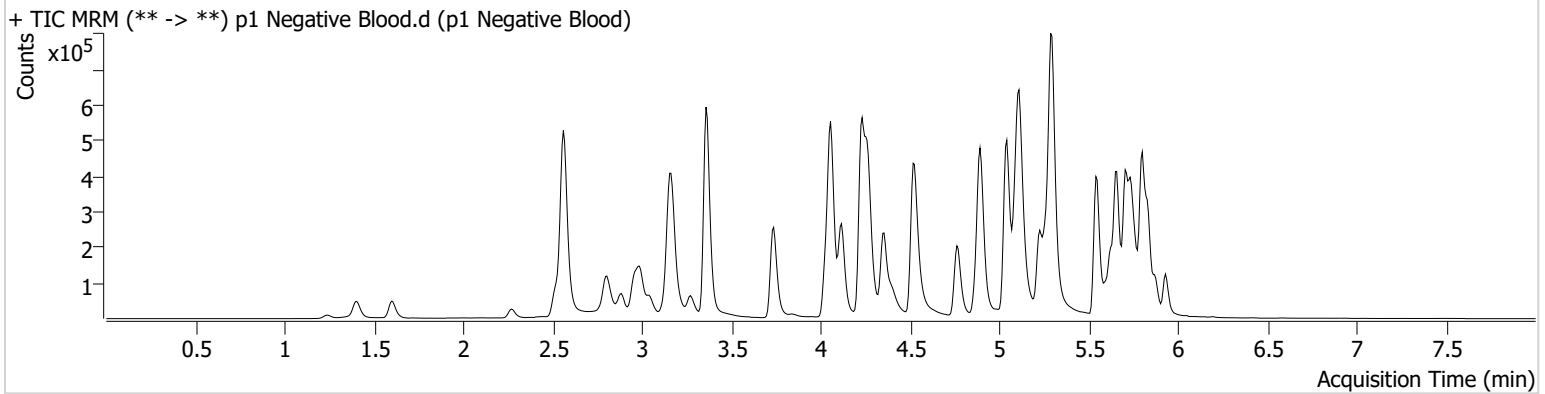


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-F2	<b>Comment</b>	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/8/2023 12:44:43 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



TS



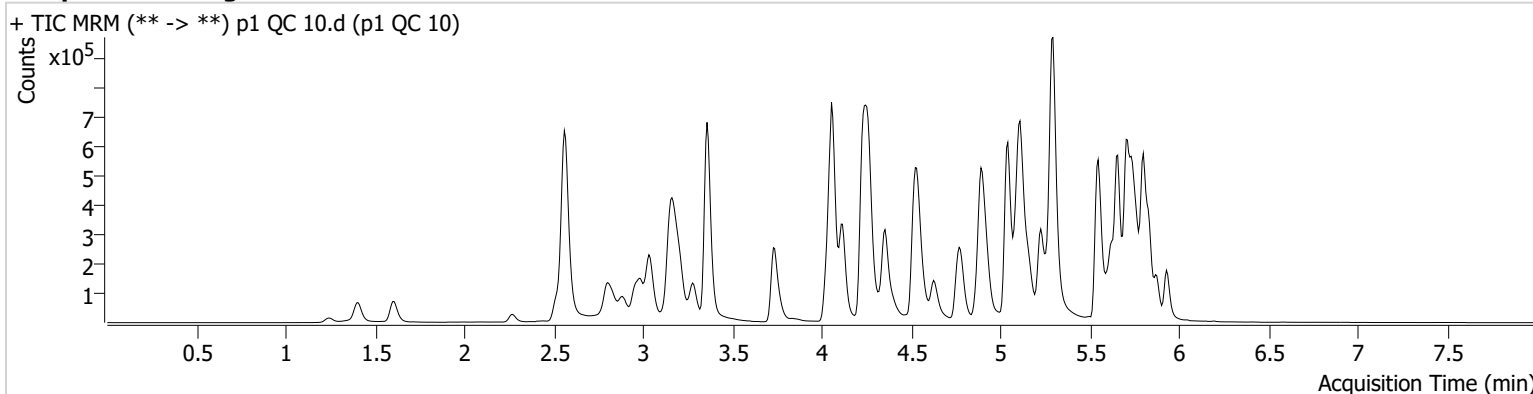
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 AM

**Instrument** Falco (069901) **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-A2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/7/2023 11:40:57 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	3.133	2617	54.35	64.8	3375.87	63949	1.0182 ng/ml
7-aminoclonazepam	4.251	40807	1383.16	82.2	112.70	164256	10.6671 ng/ml
a-hydroxyalprazolam	5.689	21570	241.63	61.1	320.79	814198	9.6760 ng/ml
alpha-PHP	4.935	39424	121.92	265.8	1990.53	557242	9.9310 ng/ml
alpha-PVP	4.363	153527	3128.10	52.3	806.02	557242	10.1320 ng/ml
Alprazolam	5.759	89515	837.32	105.4	176.72	192946	10.5604 ng/ml
Amphetamine	3.037	302149	336.98	49.6	471.47	328912	10.2788 ng/ml
Benzoylcegonine	3.871	2918	19.51	9.3	68.18	10691	9.4801 ng/ml
Buprenorphine	5.830	2086	160.19	17.3	∞	69089	0.9204 ng/ml
Bupropion	4.785	180175	2066.04	62.9	327.36	517318	10.3922 ng/ml
Carisoprodol	5.714	90167	5651.19	60.3	701.79	424243	9.8438 ng/ml
Chlordiazepoxide	5.835	31757	1372.15	99.2	210.39	440117	10.6455 ng/ml
Chlorpheniramine	5.118	240495	1111.46	0.3	12.92	1039490	10.4378 ng/ml
Citalopram	5.225	147142	2195.52	38.1	4524.83	544203	9.8526 ng/ml
Clonazepam	5.601	85777	249.33	35.7	217.55	101796	11.1865 ng/ml
Clonazolam	5.545	55069	20343.45	38.6	19081.95	101796	10.4454 ng/ml
Cocaine	4.264	123628	139.58	51.4	116.26	943967	9.8066 ng/ml
Codeine	2.573	15186	852.38	104.6	655.38	57621	10.5748 ng/ml
Cyclobenzaprine	5.625	90186	146.58	9.7	94.93	370487	9.8017 ng/ml
Dextromethorphan	5.269	74195	158.80	86.0	1548.30	311835	9.6975 ng/ml
Dextrorphan	4.118	51361	1858.87	211.3	601.38	562788	9.7765 ng/ml
Diazepam	5.938	65437	298.43	86.2	154703.16	219350	10.4132 ng/ml
Dihydrocodeine	2.552	37838	680.12	64.3	346.18	225343	10.3352 ng/ml
Diphenhydramine	5.297	417581	771.88	31.6	3424.97	1807969	9.8769 ng/ml
DMT	2.845	13580	172.74	94.9	780.39	311835	9.7022 ng/ml
Doxylamine	4.538	317700	370.92	98.6	1332.54	1328081	9.9112 ng/ml
Duloxetine	5.651	7908	168.10	16.4	147.77	39041	10.1192 ng/ml
Etizolam	5.804	40682	59451.14	27.1	13479.03	101796	9.6739 ng/ml
Fentanyl	5.101	9546	1420.48	73.2	435.03	480090	0.9720 ng/ml
Flualprazolam	5.695	32663	1825.21	101.8	1130.02	192946	11.1616 ng/ml
Fluorofentanyl	5.156	23346	175.28	47.1	15808.97	3813	0.9980 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluoxetine	5.711	90582	913.11	8.4	41.20	331641	9.7124 ng/ml
Hydrocodone	3.019	57972	108.92	35.6	136.31	288907	10.6535 ng/ml
Hydromorphone	1.609	50858	225474.89	74.7	157285.89	146262	10.1018 ng/ml
Hydroxyzine	5.708	130164	1659.31	66.3	10774.75	311835	9.8023 ng/ml
Ketamine	4.043	133022	381.70	36.0	103.66	419065	10.6140 ng/ml
Lamotrigine	4.274	10347	606.61	81.6	942.55	1410543	10.2522 ng/ml
Lorazepam	5.737	76989	727.36	51.4	66.74	526269	11.0408 ng/ml
MDA	3.191	218892	1365.86	27.5	391.51	514101	9.7794 ng/ml
MDMA	3.285	106721	2175.19	91.7	686.29	131536	9.4915 ng/ml
Meprobamate	4.895	59232	393.99	26.7	945.70	281480	10.2384 ng/ml
Methadone	5.656	219153	460.75	49.9	478.69	779382	9.7891 ng/ml
Methamphetamine	3.212	221807	639.77	39.7	691.34	810804	10.2329 ng/ml
Metoprolol	4.320	30018	551.52	106.0	1215.91	1203352	10.3013 ng/ml
Mirtazapine	4.627	214217	621.95	51.4	822.03	557242	10.5323 ng/ml
Mitragynine	5.236	18836	19693.58	40.7	169.46	779382	5.1651 ng/ml
Morphine	1.253	7380	8112.61	25.2	129.12	10111	10.0356 ng/ml
Norbuprenorphine	4.997	2905	6280.70	89.6	2990.59	17300	5.7671 ng/ml
Nordiazepam	5.877	56705	226.07	59.0	288.43	161024	10.1587 ng/ml
Norfentanyl	4.078	26228	∞	38.3	80.47	966654	0.9886 ng/ml
Norhydrocodone	3.060	8606	53.33	42.5	53.67	100633	9.7006 ng/ml
Noroxycodone	2.904	53275	820.01	51.7	2623.31	183374	9.4719 ng/ml
O-desmethyl-tramadol	3.366	261899	611.24	6.0	455.04	1454186	9.8571 ng/ml
o-desmethylvenlafaxine	4.063	394561	4679.13	16.9	654.64	267158	9.8737 ng/ml
Olanzapine	4.482	21656	46.04	51.5	459.23	51323	9.9800 ng/ml
Oxazepam	5.747	98002	165.51	69.3	196.35	526269	10.6405 ng/ml
Oxycodone	2.828	97423	557.54	30.1	615.50	374379	10.4600 ng/ml
Oxymorphone	1.405	50840	∞	47.9	299.05	155236	10.2318 ng/ml
Phentermine	3.767	66338	211.01	5.8	47.97	693192	10.3316 ng/ml
Promethazine	5.548	182696	4331.40	29.5	212.89	761495	9.5731 ng/ml
Pseudoephedrine	2.569	356739	796.76	17.2	389.06	1410543	9.7405 ng/ml
Quetiapine	5.558	161504	21035.89	55.7	113.33	194229	10.4573 ng/ml
Sertraline	5.773	29199	134.10	100.4	369.87	115882	9.9067 ng/ml
Temazepam	5.807	160089	714.99	30.4	252.24	814198	9.9149 ng/ml
Tramadol	4.239	253474	466.24	3.5	62.14	1203352	10.0309 ng/ml
Trazodone	5.155	179396	3216.72	61.4	1726.38	551435	10.7945 ng/ml
Venlafaxine	5.043	235276	418.47	36.0	213.07	1288931	9.6139 ng/ml
Zolpidem	4.912	229423	4485.15	29.1	633.47	1107883	10.3485 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

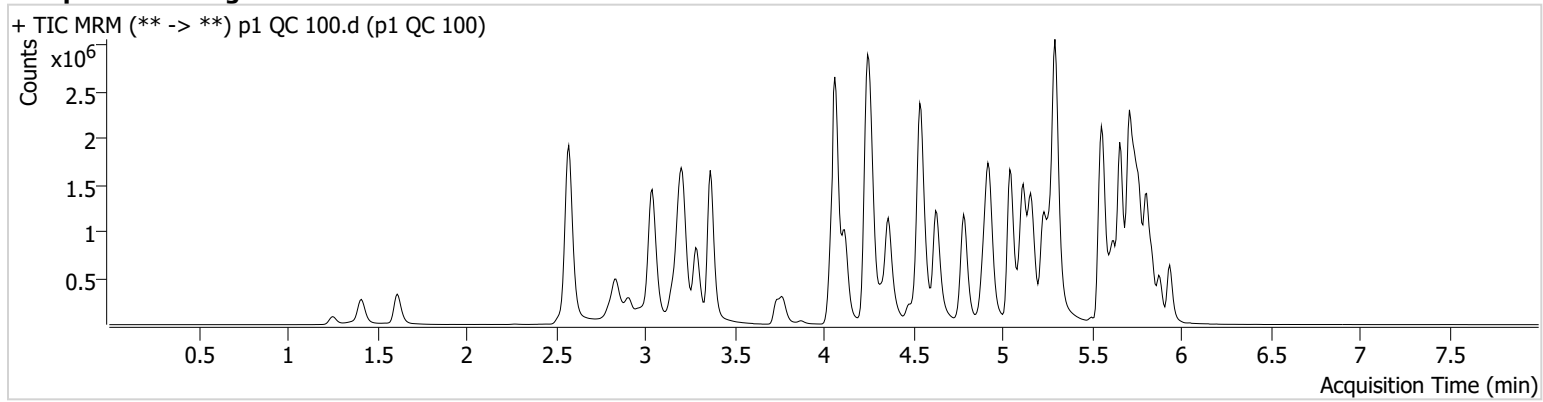
**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-B2  
**Injection Volume** 2  
**Acq. Date-Time** 6/8/2023 9:36:11 AM  
**Sample Info.**

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

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	26724	12772.99	71.5	305.99	66148	9.8541 ng/ml
7-aminoclonazepam	4.258	382706	6521.72	77.6	218.29	160417	110.2826 ng/ml
a-hydroxyalprazolam	5.689	165962	1022.12	67.7	314.17	622405	102.0491 ng/ml
alpha-PHP	4.935	405007	508.49	260.6	19088.94	541755	108.6941 ng/ml
alpha-PVP	4.363	1566902	931.97	51.2	666.21	541755	103.0379 ng/ml
Alprazolam	5.766	799100	1760.66	109.9	∞	167437	106.2636 ng/ml
Amphetamine	3.043	2676493	1270.96	48.1	3626.61	326944	101.2640 ng/ml
Benzoylcegonine	3.871	32025	302.43	8.3	1399.76	10798	99.5557 ng/ml
Buprenorphine	5.837	36590	1617.23	14.2	6025.43	117082	9.2108 ng/ml
Bupropion	4.785	1781216	1846.08	63.9	48014.85	506828	104.4203 ng/ml
Carisoprodol	5.721	680577	40649.96	58.7	1057.61	307345	94.9715 ng/ml
Chlordiazepoxide	5.842	275823	2570.16	102.7	3289.30	388355	106.0361 ng/ml
Chlorpheniramine	5.118	2428442	12632.67	0.3	101.77	1039743	96.9676 ng/ml
Citalopram	5.225	1454917	3009.37	37.2	4702.34	504156	101.4695 ng/ml
Clonazepam	5.608	714830	647.14	34.6	542.16	92797	108.5515 ng/ml
Clonazolam	5.552	452024	287324.64	37.6	186069.90	92797	99.4619 ng/ml
Cocaine	4.264	1117243	26982.74	53.3	535.38	899831	97.1083 ng/ml
Codeine	2.580	134453	8038.94	96.7	205.28	53559	108.2870 ng/ml
Cyclobenzaprine	5.631	847526	645.39	9.0	349.33	336381	97.6969 ng/ml
Dextromethorphan	5.276	725344	6263.38	82.0	621.24	302062	96.6603 ng/ml
Dextrorphan	4.118	499373	2149.64	210.5	940.12	542213	97.2549 ng/ml
Diazepam	5.938	583191	655.21	87.9	8341.19	198463	104.0041 ng/ml
Dihydrocodeine	2.552	371747	392.56	62.3	608.33	223590	110.5673 ng/ml
Diphenhydramine	5.297	4125768	44265.77	30.7	257.77	1705041	98.9671 ng/ml
DMT	2.845	133737	1605.51	107.5	3110.30	302062	96.8730 ng/ml
Doxylamine	4.538	3281871	17957.91	98.0	45323.52	1322334	99.9450 ng/ml
Duloxetine	5.651	65315	3062.00	14.9	4953.73	32559	100.3989 ng/ml
EDDP	5.268	351299	740.33	40.3	175.53	188700	91.8076 ng/ml
Etizolam	5.804	357328	4837.79	26.2	35719.52	92797	89.1968 ng/ml
Fentanyl	5.108	95709	82.86	71.8	542.65	456047	10.8375 ng/ml
Flualprazolam	5.695	261998	5167.28	106.4	43006.86	167437	109.4325 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.162	235712	1626.79	44.1	5959.83	3939	9.2224 ng/ml
Fluoxetine	5.711	687652	1253842.60	8.2	3143.75	255483	93.4720 ng/ml
Hydrocodone	3.019	546536	214.20	36.7	196.03	289979	109.6733 ng/ml
Hydromorphone	1.615	502230	2835580.10	76.5	43.55	143926	100.9576 ng/ml
Hydroxyzine	5.708	1185930	16369.32	72.5	6625.85	302062	86.5680 ng/ml
Ketamine	4.043	1225641	1127.57	37.3	1392.89	409166	109.1915 ng/ml
Lamotrigine	4.281	93736	2227.69	82.4	48522.15	1291217	105.9586 ng/ml
Lorazepam	5.737	523625	9630.78	54.2	869.46	399890	106.5676 ng/ml
MDA	3.191	1891634	19650.59	26.9	1790.65	468851	99.6758 ng/ml
MDMA	3.285	1050512	7044.06	91.0	4207.62	122496	100.6081 ng/ml
Meprobamate	4.901	499815	291.25	26.7	3966.49	255688	103.2442 ng/ml
Methadone	5.656	2201906	25942.55	49.3	1724.83	728913	99.9840 ng/ml
Methamphetamine	3.219	2128723	2134.60	38.1	3734.53	821726	106.0837 ng/ml
Metoprolol	4.327	283345	424900.78	106.5	23392.34	1188792	103.8128 ng/ml
Mirtazapine	4.627	2152389	15682.28	50.1	11811.24	541755	105.2589 ng/ml
Mitragynine	5.236	428078	707.48	38.0	1943.97	728913	105.9641 ng/ml
Morphine	1.253	77728	587.19	26.2	161.42	10688	102.7204 ng/ml
Norbuprenorphine	5.004	4694	7308.20	88.8	15068.29	17783	9.5276 ng/ml
Nordiazepam	5.884	495283	6757.97	58.8	1507.53	139617	102.1055 ng/ml
Norfentanyl	4.085	244937	597.46	37.4	264.02	854625	10.0319 ng/ml
Norhydrocodone	3.067	76549	243.74	40.4	104.14	78647	96.8533 ng/ml
Noroxycodone	2.911	501062	16894.50	49.9	12266.16	165733	99.4459 ng/ml
O-desmethyl-tramadol	3.366	2651249	56288.67	6.1	2579.76	1429274	97.5815 ng/ml
o-desmethylvenlafaxine	4.063	3824211	110499.52	17.0	1116.16	244584	96.2819 ng/ml
Olanzapine	4.475	377826	1896.30	54.3	693.45	85316	103.2671 ng/ml
Oxazepam	5.747	705219	5554.98	73.7	560.80	399890	101.4587 ng/ml
Oxycodone	2.828	956615	1038.16	30.4	1207.80	381711	106.1361 ng/ml
Oxymorphone	1.411	513006	∞	48.6	∞	159859	101.2294 ng/ml
Phentermine	3.774	619966	1325.16	5.4	447.66	684630	105.6044 ng/ml
Promethazine	5.548	1754601	48692.48	30.9	307.11	725075	93.0832 ng/ml
Pseudoephedrine	2.576	3400568	1674.76	16.4	6710.48	1291217	95.6814 ng/ml
Quetiapine	5.564	1498070	143159.41	59.1	2215535.34	186784	105.5336 ng/ml
Sertraline	5.780	224501	34549.40	94.2	260.97	87704	98.7193 ng/ml
Temazepam	5.807	1259841	1787.28	28.8	303.94	622405	104.1315 ng/ml
Tramadol	4.246	2530268	238.84	3.6	83.44	1188792	103.7976 ng/ml
Trazodone	5.155	1684586	1592.28	65.7	1677588.42	555069	101.0508 ng/ml
Venlafaxine	5.043	2362618	157131.99	35.2	603.59	1247184	96.7776 ng/ml
Zolpidem	4.919	2286175	5024.31	29.0	3298.77	1096339	106.8744 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

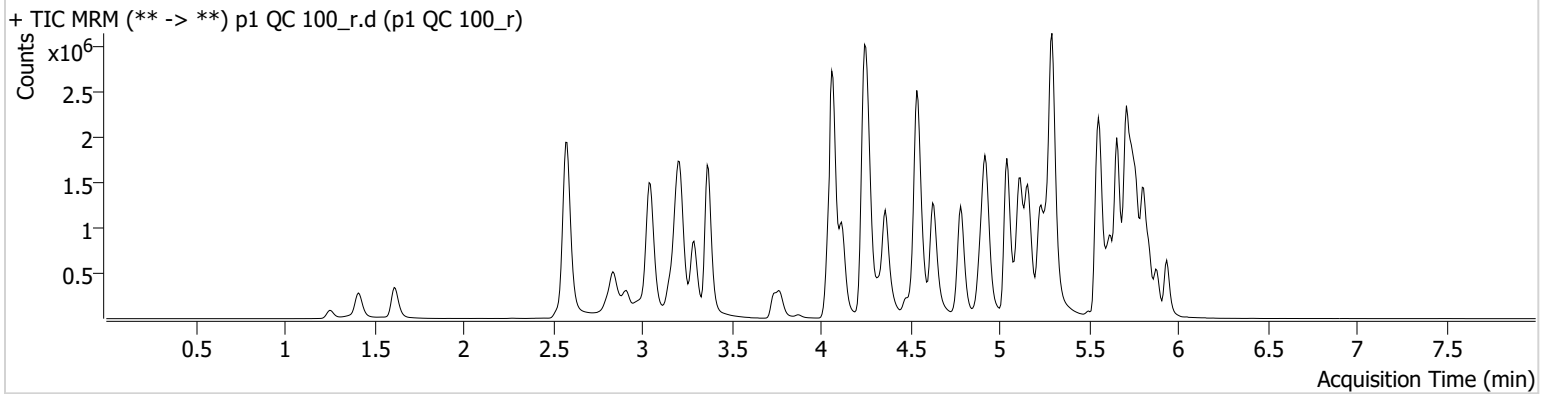
**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 100_r.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100_r
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/8/2023 12:13:40 PM		
<b>Sample Info.</b>			

QC followed re-injected samples.

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	3.140	27305	222.44	73.9	1233.80	68377	9.7403 ng/ml
7-aminoclonazepam	4.258	396062	8758.97	77.1	10865.19	165169	110.8525 ng/ml
a-hydroxyalprazolam	5.689	172340	697.21	68.7	1838.49	648709	101.6724 ng/ml
alpha-PHP	4.935	412054	1625.44	264.8	5547.54	565940	105.8495 ng/ml
alpha-PVP	4.363	1606345	2101.55	51.7	13997.16	565940	101.1241 ng/ml
Alprazolam	5.766	839644	5009.99	105.2	2147.45	176076	106.1770 ng/ml
Amphetamine	3.050	2813339	4042.97	47.0	2240.53	332276	104.7753 ng/ml
Benzoylcegonine	3.877	33080	451.49	8.5	1359.99	11490	96.6457 ng/ml
Buprenorphine	5.837	38091	3814.72	14.2	12401.34	120323	9.3300 ng/ml
Bupropion	4.785	1847541	38728.78	63.8	8822.07	528045	103.9569 ng/ml
Carisoprodol	5.721	652115	14385.80	57.7	3092.54	302060	92.6121 ng/ml
Chlordiazepoxide	5.841	310657	6256.53	93.9	1555.83	404720	114.6097 ng/ml
Chlorpheniramine	5.118	2531187	17382.52	0.3	134.25	1097696	95.7460 ng/ml
Citalopram	5.225	1490489	1319.63	37.9	733.28	528988	99.0798 ng/ml
Clonazepam	5.608	725625	15892.15	34.7	43941.68	93520	109.3445 ng/ml
Clonazolam	5.545	474833	226188.02	37.5	218470.23	93520	103.7015 ng/ml
Cocaine	4.264	1176610	383.06	52.2	732.47	929716	98.9904 ng/ml
Codeine	2.586	135805	3190.19	101.5	9127.57	55853	104.8554 ng/ml
Cyclobenzaprine	5.631	864558	1704.33	9.5	201.19	344268	97.3784 ng/ml
Dextromethorphan	5.269	764573	520.15	80.9	416.26	308083	99.8920 ng/ml
Dextrorphan	4.118	518608	34417.27	207.2	23584.46	562278	97.3966 ng/ml
Diazepam	5.938	582855	1990.60	88.5	∞	199745	103.2756 ng/ml
Dihydrocodeine	2.558	382246	802.87	63.5	4099.39	234270	108.4898 ng/ml
Diphenhydramine	5.297	4251320	83641.85	31.0	42015.30	1766167	98.4518 ng/ml
DMT	2.852	136869	5181.30	104.3	1186.97	308083	97.2032 ng/ml
Doxylamine	4.538	3395331	120496.00	99.1	10796.77	1379334	99.1298 ng/ml
Duloxetine	5.651	60898	1752.05	13.9	564.26	30818	98.8965 ng/ml
EDDP	5.262	368048	∞	40.9	193.31	194507	93.2847 ng/ml
Etizolam	5.804	377385	214368.48	27.5	118619.77	93520	93.4528 ng/ml
Fentanyl	5.101	101361	1935.13	68.2	5997.26	487976	10.7259 ng/ml
Flualprazolam	5.695	268706	4427.29	110.2	1011.49	176076	106.7087 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.162	250585	786.39	43.2	9970.26	4023	9.5954 ng/ml
Fluoxetine	5.711	711390	629.20	8.0	278.38	256436	96.3313 ng/ml
Hydrocodone	3.019	577906	∞	35.8	209.12	306626	109.6724 ng/ml
Hydromorphone	1.622	530484	3546662.71	75.5	9994.40	150774	101.7936 ng/ml
Hydroxyzine	5.708	1215917	7866.26	72.3	96551.49	308083	87.0185 ng/ml
Ketamine	4.050	1267917	997.88	37.5	576.22	428408	107.8716 ng/ml
Lamotrigine	4.281	95713	2915.05	83.7	202833.00	1323469	105.5553 ng/ml
Lorazepam	5.737	542957	3536.78	54.9	429.90	423068	104.4286 ng/ml
MDA	3.198	1943501	4766.82	26.7	2644.57	472776	101.5744 ng/ml
MDMA	3.292	1089101	48431.32	90.6	5135.53	127556	100.1659 ng/ml
Meprobamate	4.901	483848	19437.00	26.8	182.09	247255	103.3557 ng/ml
Methadone	5.656	2221790	1276.47	49.9	1444.67	743389	98.9279 ng/ml
Methamphetamine	3.219	2170966	1401.92	38.7	1141.98	847609	104.8729 ng/ml
Metoprolol	4.327	293635	795.02	105.8	11156.89	1204185	106.2220 ng/ml
Mirtazapine	4.627	2246300	51699.90	50.2	7430.55	565940	105.1574 ng/ml
Mitragynine	5.236	450488	46514.88	36.8	133554.98	743389	109.3131 ng/ml
Morphine	1.261	78490	357.35	26.5	16531.92	10835	102.3181 ng/ml
Norbuprenorphine	4.997	4858	177.97	101.7	7201.56	19352	9.0222 ng/ml
Nordiazepam	5.884	506139	21707.33	60.6	1227.92	144105	101.0937 ng/ml
Norfentanyl	4.085	248960	3132.32	37.6	1265.34	879813	9.9053 ng/ml
Norhydrocodone	3.067	79014	239.14	38.2	55.92	81689	96.2572 ng/ml
Noroxycodone	2.911	537299	1116.42	49.2	502.14	178175	99.1914 ng/ml
O-desmethyl-tramadol	3.372	2719162	1057.77	6.1	1088.40	1460896	97.9133 ng/ml
o-desmethylvenlafaxine	4.078	4000788	73149.20	16.4	4405.26	255651	96.3665 ng/ml
Olanzapine	4.475	392663	241262.97	54.0	8354.80	91851	99.6916 ng/ml
Oxazepam	5.747	742553	7982.27	73.3	367.02	423068	100.9767 ng/ml
Oxycodone	2.835	990158	1020.16	30.6	3111.19	399623	104.9266 ng/ml
Oxymorphone	1.411	540021	960.56	47.9	∞	162158	105.0532 ng/ml
Phentermine	3.774	629402	874.52	5.5	291.22	709399	103.4497 ng/ml
Promethazine	5.548	1846467	1801.90	29.8	485.74	756125	93.9307 ng/ml
Pseudoephedrine	2.583	3524810	4696.71	16.6	38458.28	1323469	96.7535 ng/ml
Quetiapine	5.558	1582377	73062.41	58.2	951.61	194897	106.8391 ng/ml
Sertraline	5.780	222890	884.30	93.6	717003.65	84732	101.4425 ng/ml
Temazepam	5.807	1277179	16282.54	29.4	288.75	648709	101.2781 ng/ml
Tramadol	4.246	2543248	999.27	3.7	191.47	1204185	102.9943 ng/ml
Trazodone	5.155	1780023	490348.21	65.4	1372360.02	556841	106.4382 ng/ml
Venlafaxine	5.043	2483199	22001.69	33.8	1934.29	1311740	96.7112 ng/ml
Zolpidem	4.919	2362326	8461.16	28.8	1355.98	1143915	105.8385 ng/ml

TS



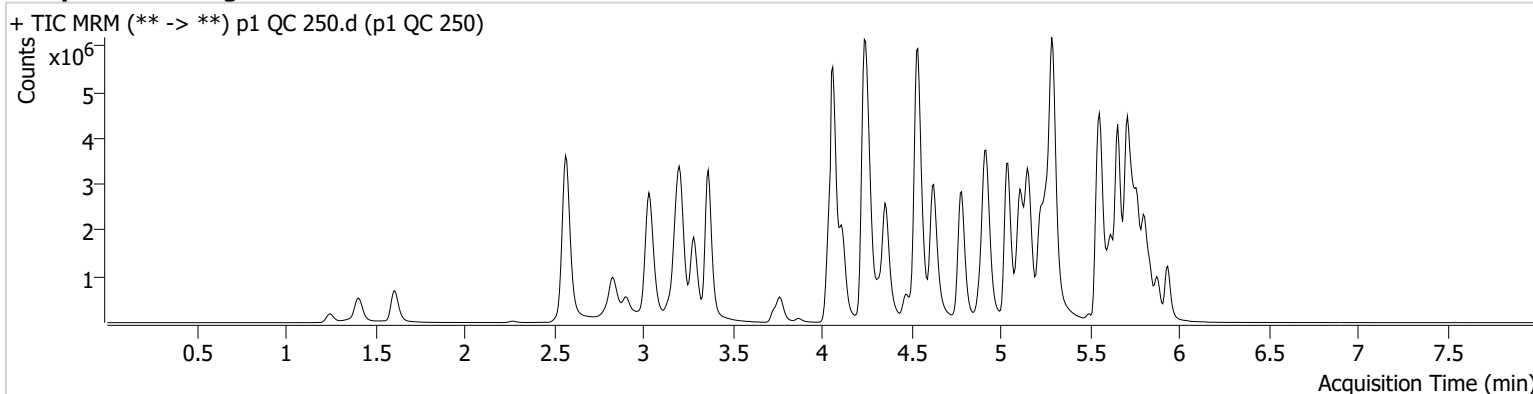
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 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** 6/8/2023 12:02:12 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	3.133	67455	568.24	72.9	150313.81	65860	24.9481 ng/ml
7-aminoclonazepam	4.251	776816	∞	76.4	142.74	144606	249.4684 ng/ml
a-hydroxyalprazolam	5.682	289445	337.96	69.2	357.12	467711	237.5229 ng/ml
alpha-PHP	4.928	982881	6147.48	262.0	8516.71	536166	267.1017 ng/ml
alpha-PVP	4.357	3973249	40181.62	51.2	46815.29	536166	263.4533 ng/ml
Alprazolam	5.759	1738177	1211.53	106.3	784.14	140215	275.6093 ng/ml
Amphetamine	3.037	5536177	13128.68	46.7	2772.51	332404	207.2824 ng/ml
Benzoylcegonine	3.871	83366	2903.56	7.9	32.52	11200	249.3294 ng/ml
Buprenorphine	5.830	94605	429.10	15.4	21195.23	109052	25.5084 ng/ml
Bupropion	4.785	4689487	2287.91	62.1	1476.55	515435	270.2435 ng/ml
Carisoprodol	5.721	1156590	1694.07	60.1	461.71	198199	248.9597 ng/ml
Chlordiazepoxide	5.842	569208	9518.18	105.4	4848.28	346135	245.7004 ng/ml
Chlorpheniramine	5.111	6151891	10441.13	0.3	114.25	1038698	244.4728 ng/ml
Citalopram	5.225	3336365	538.95	36.9	18307.82	463636	252.4522 ng/ml
Clonazepam	5.601	1468750	1086.66	34.2	1084.31	80909	256.8594 ng/ml
Clonazolam	5.545	811760	225397.21	39.6	226431.48	80909	205.5779 ng/ml
Cocaine	4.257	2641973	36368.20	51.6	1734.27	833488	248.6704 ng/ml
Codeine	2.580	266175	3241.76	100.8	1070.16	49110	234.8213 ng/ml
Cyclobenzaprine	5.625	2178783	352.42	8.8	197.23	342327	246.1798 ng/ml
Dextromethorphan	5.269	1704536	29036.21	78.7	18749.21	270589	253.3526 ng/ml
Dextrorphan	4.118	1203665	8788.66	212.9	1999.26	513061	247.4989 ng/ml
Diazepam	5.938	1303804	1190.01	87.7	1339.95	177277	260.5457 ng/ml
Dihydrocodeine	2.545	840758	299.41	64.3	811.47	234686	239.3080 ng/ml
Diphenhydramine	5.297	9875567	91336.06	30.2	31651.85	1542187	261.1228 ng/ml
DMT	2.845	311208	2732.78	113.5	2456.08	270589	251.3372 ng/ml
Doxylamine	4.538	8761003	16890.92	97.1	165670.56	1333562	264.0514 ng/ml
Duloxetine	5.651	158428	1853.48	14.9	236.35	33062	239.8467 ng/ml
EDDP	5.262	1728324	33329.13	40.9	9199.06	354197	237.8069 ng/ml
Etizolam	5.804	813680	16853.24	26.1	9394.46	80909	232.2074 ng/ml
Fentanyl	5.101	243423	237.50	69.7	191678.96	482782	26.1222 ng/ml
Flualprazolam	5.695	517059	3664.69	107.3	1880.78	140215	258.9283 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.156	618884	10432.79	43.4	5220.60	3898	24.3648 ng/ml
Fluoxetine	5.711	1597362	794.36	8.3	194.30	228736	242.1141 ng/ml
Hydrocodone	3.013	1243383	771.92	36.9	326.90	286445	254.0798 ng/ml
Hydromorphone	1.609	1232913	2183.42	76.3	5656837.85	141104	252.7258 ng/ml
Hydroxyzine	5.708	2871696	124147.45	73.4	10535.46	270589	232.8627 ng/ml
Ketamine	4.043	2837728	155237.73	37.0	13407.97	396489	262.3812 ng/ml
Lamotrigine	4.281	194482	2089.41	85.1	94851.76	1111867	256.0166 ng/ml
Lorazepam	5.737	765018	16689.98	56.8	389.25	261976	238.8575 ng/ml
MDA	3.184	3590701	3209.77	26.6	2058.30	406341	219.2952 ng/ml
MDMA	3.285	2502776	31369.96	91.2	8863.30	119174	246.4146 ng/ml
Meprobamate	4.895	964262	55776.25	26.1	446.25	239805	213.4122 ng/ml
Methadone	5.656	5584639	8314.40	48.2	2084.64	694833	265.1419 ng/ml
Methamphetamine	3.212	5051298	13235.79	38.7	12736.85	851328	244.3745 ng/ml
Metoprolol	4.320	682668	1018.25	102.4	894188.11	1112176	268.3393 ng/ml
Mirtazapine	4.627	5410406	2361.89	49.8	3780.71	536166	266.7520 ng/ml
Mitragynine	5.236	1036563	316889.06	35.7	439722.28	694833	267.8778 ng/ml
Morphine	1.253	186674	1415.25	27.1	832.05	10468	252.3281 ng/ml
Norbuprenorphine	4.990	11824	22764.04	95.1	4630.98	18489	24.2376 ng/ml
Nordiazepam	5.877	1081823	20555.83	58.8	2247.02	123550	251.9894 ng/ml
Norfentanyl	4.078	549560	44031.12	37.7	1146.98	687857	27.8886 ng/ml
Norhydrocodone	3.060	173229	81.66	41.0	121.51	65266	261.8596 ng/ml
Noroxycodone	2.904	1042112	1827.63	51.0	436.49	136144	251.9227 ng/ml
O-desmethyl-tramadol	3.366	6802508	107316.28	5.9	∞	1388861	256.9619 ng/ml
o-desmethylvenlafaxine	4.063	9016573	281355.86	16.9	9644.56	223774	246.7640 ng/ml
Olanzapine	4.468	1133237	4991.08	55.9	3831.82	105999	249.0761 ng/ml
Oxazepam	5.740	1156469	834.84	71.4	7175.92	261976	254.0901 ng/ml
Oxycodone	2.822	2236179	4713.27	30.6	908.72	384314	247.2501 ng/ml
Oxymorphone	1.405	1243065	544.69	48.1	∞	149559	262.3573 ng/ml
Phentermine	3.767	1394201	4510.35	5.2	2452.38	686675	237.9307 ng/ml
Promethazine	5.541	4757009	1568.69	29.6	1235.14	753086	242.3612 ng/ml
Pseudoephedrine	2.569	7872463	93396.72	15.8	50005.04	1111867	256.2055 ng/ml
Quetiapine	5.558	3497477	111468.15	58.0	62981.73	180230	256.1116 ng/ml
Sertraline	5.773	602334	17338.33	95.4	434.17	94189	246.3136 ng/ml
Temazepam	5.807	2369885	37072.66	28.3	6341.00	467711	261.0024 ng/ml
Tramadol	4.239	6030573	∞	3.6	136.77	1112176	264.8449 ng/ml
Trazodone	5.148	4156516	1207.99	66.5	2320.78	548169	252.5328 ng/ml
Venlafaxine	5.043	6054136	460627.76	33.5	999.67	1210446	254.9924 ng/ml
Zolpidem	4.912	5495632	13080.07	28.5	4458.58	1080584	261.0792 ng/ml



TS



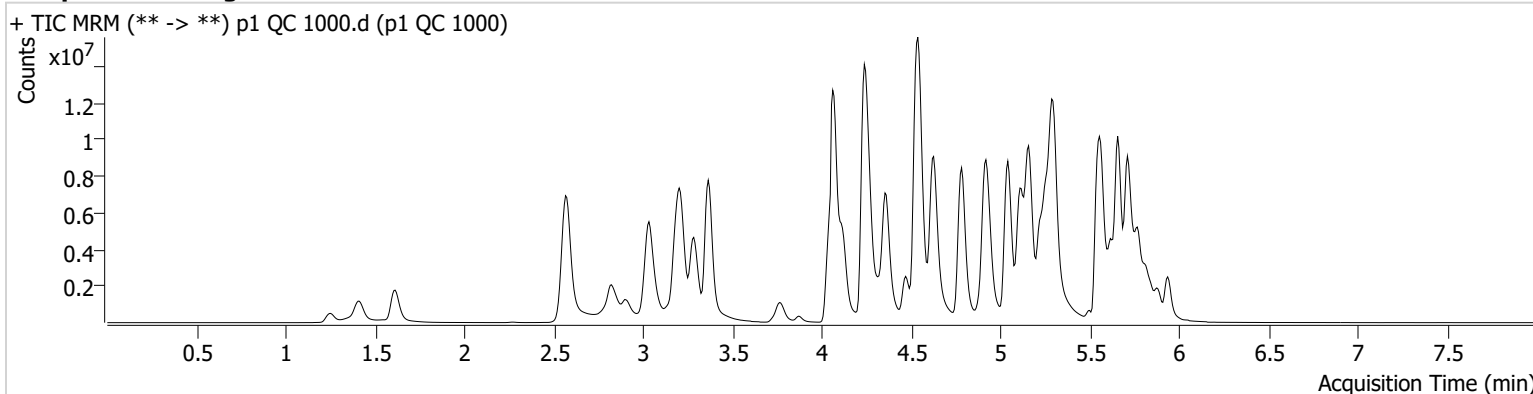
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 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** 6/8/2023 12:23:27 AM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	260127	3751.09	69.2	4468.41	62675	101.0278 ng/ml
7-aminoclonazepam	4.251	948068	8148.27	77.6	8496.63	69538	634.5475 ng/ml
a-hydroxyalprazolam	5.682	373011	157.14	65.2	66.64	150730	951.3565 ng/ml
alpha-PHP	4.935	2565167	22458.38	270.0	128844.46	409040	914.6966 ng/ml
alpha-PVP	4.363	12714669	87820.07	50.9	38043.45	409040	1103.9704 ng/ml
Alprazolam	5.766	3736303	1798.50	106.2	1502.46	81136	1023.1263 ng/ml
Amphetamine	3.037	11533271	53822.10	46.5	45037.29	287138	501.6207 ng/ml
Benzoylcegonine	3.871	338491	588.92	8.2	1510.38	12073	938.1179 ng/ml
Buprenorphine	5.830	320038	252236.98	14.7	58639.04	77921	120.6415 ng/ml
Bupropion	4.785	15544819	374528.63	61.5	36323.04	453431	1018.1718 ng/ml
Carisoprodol	5.721	1439546	223.52	59.4	322.21	55756	1098.7347 ng/ml
Chlordiazepoxide	5.842	1016003	9939.40	125.7 High	1687.66	201376	754.1117 ng/ml
Chlorpheniramine	5.118	19959661	17896.40	0.3	299.88	815737	1007.0892 ng/ml
Citalopram	5.218	7638056	115838.06	35.9	512434.95	265218	1009.1843 ng/ml
Clonazepam	5.601	2468484	82782.44	32.7	1512.12	39309	890.4501 ng/ml
Clonazolam	5.545	1031036	317960.47	41.0	476198.65	39309	538.5271 ng/ml
Cocaine	4.264	7410913	1013.79	49.5	436.78	549000	1060.5859 ng/ml
Codeine	2.580	595295	9232.34	97.2	133.81	34810	742.8386 ng/ml
Cyclobenzaprine	5.625	6345586	76832.22	8.0	271.20	222992	1099.2858 ng/ml
Dextromethorphan	5.269	3769893	133338.73	78.6	503218.32	150621	1006.2375 ng/ml
Dextrorphan	4.118	3573265	2967.93	219.8	53761.70	358601	1050.7102 ng/ml
Diazepam	5.938	3157270	∞	87.7	257.86	117389	953.2452 ng/ml
Dihydrocodeine	2.538	2331572	695.00	64.0	334.95	217316	718.5359 ng/ml
Diphenhydramine	5.297	23632587	264247.33	32.5	100991.84	931107	1033.5690 ng/ml
DMT	2.838	901572	13067.34	132.2 High	51296.17	150621	1307.2598 ng/ml
Doxylamine	4.538	27208460	412114.42	98.2	2119.49	1174949	929.9730 ng/ml
Duloxetine	5.644	288719	628.59	13.9	19769.12	14931	967.9449 ng/ml
EDDP	5.262	8348173	84627.24	40.3	164229.94	390305	1036.4948 ng/ml
Etizolam	5.804	1952034	20178.28	26.8	727.47	39309	1144.7755 ng/ml
Fentanyl	5.094	687972	2273.36	69.1	316037.43	406422	87.8413 ng/ml
Flualprazolam	5.688	814628	12610.43	113.6	14820.34	81136	706.2941 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.162	1913409	20780.04	44.3	872535.51	2712	108.0685 ng/ml
Fluoxetine	5.711	3045510	15964.94	7.8	1608.78	97147	1085.9965 ng/ml
Hydrocodone	3.013	3774754	∞	38.2	∞	246811	898.1125 ng/ml
Hydromorphone	1.615	3766253	28165996.04	77.2	12650893.88	109449	995.1707 ng/ml
Hydroxyzine	5.708	8042924	2898.70	74.8	34237.27	150621	1168.9518 ng/ml
Ketamine	4.036	7683423	281116.27	35.7	26559.06	324776	869.7569 ng/ml
Lamotrigine	4.281	377735	4081.35	85.5	87113.83	639697	865.4798 ng/ml
Lorazepam	5.737	788967	20215.57	53.3	398.86	64351	1005.9586 ng/ml
MDA	3.178	6444658	17343.33	25.1	5004.17	260859	614.5882 ng/ml
MDMA	3.285	6818638	421571.49	94.0	2542.73	85777	932.8068 ng/ml
Meprobamate	4.888	1658991	18561.48	26.0	11474.37	176209	501.0040 ng/ml
Methadone	5.656	15751776	340498.71	50.1	136245.60	486986	1065.4217 ng/ml
Methamphetamine	3.212	15112659	91409.03	35.4	2139.85	850502	734.0009 ng/ml
Metoprolol	4.320	1641598	700025.29	106.5	907097.23	893819	804.1618 ng/ml
Mirtazapine	4.627	17822269	397354.89	48.6	204574.41	409040	1150.5183 ng/ml
Mitragynine	5.236	2593790	86644.33	36.0	198096.32	486986	954.2434 ng/ml
Morphine	1.253	567194	∞	27.2	∞	8493	945.7400 ng/ml
Norbuprenorphine	4.997	45467	336.07	90.5	442.96	17471	101.1215 ng/ml
Nordiazepam	5.884	2159198	831.91	61.8	5533.33	65780	944.5750 ng/ml
Norfentanyl	4.085	1239665	38663.65	38.2	8096.06	264181	163.5904 ng/ml
Norhydrocodone	3.060	601444	193.85	40.7	∞	48765	1212.0469 ng/ml
Noroxycodone	2.904	2340272	5347.93	49.3	∞	76942	1001.3249 ng/ml
O-desmethyl-tramadol	3.366	20791663	∞	6.0	11068.36	1068380	1019.7299 ng/ml
o-desmethylvenlafaxine	4.063	24557869	530312.11	16.0	4857.34	139484	1075.3399 ng/ml
Olanzapine	4.468	4635472	68415.12	56.0	23864.79	109141	989.0455 ng/ml
Oxazepam	5.740	1071758	238.43	75.2	2784.51	64351	958.8718 ng/ml
Oxycodone	2.815	5938694	∞	30.7	2101.73	333251	758.5341 ng/ml
Oxymorphone	1.411	3596932	∞	47.7	∞	116850	971.9543 ng/ml
Phentermine	3.767	3620438	2879.21	5.0	2206.08	624836	680.7210 ng/ml
Promethazine	5.541	14798901	450912.30	29.5	32222.32	552395	1026.6658 ng/ml
Pseudoephedrine	2.576	19365496	140905.79	15.4	121135.98	639697	1093.4312 ng/ml
Quetiapine	5.564	8819968	515.02	57.4	356800.06	132008	883.1141 ng/ml
Sertraline	5.780	1353746	152290.81	94.3	384.42	50646	1028.8670 ng/ml
Temazepam	5.814	2854657	42058.71	29.9	9582.38	150730	976.1560 ng/ml
Tramadol	4.239	16018397	939.57	3.6	1802.52	893819	875.9558 ng/ml
Trazodone	5.155	12355268	218533.33	71.9	1100675.59	410918	1001.5071 ng/ml
Venlafaxine	5.043	18657940	91721.43	32.7	1865.88	875028	1086.0400 ng/ml
Zolpidem	4.912	15771684	578185.48	27.9	120929.93	965729	839.0213 ng/ml



TS

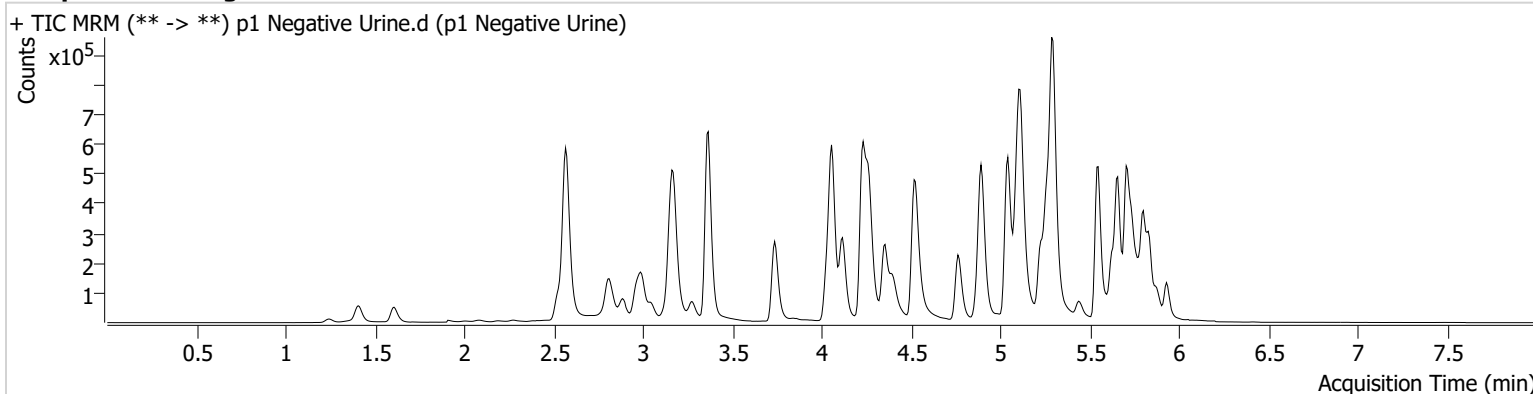


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Urine.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Urine
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-H4	<b>Comment</b>	<p>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.</p>
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/8/2023 7:07:19 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amphetamine	3.179	234244	1836.47	0.4 <b>Low</b>	10.92	355343	7.0311 ng/ml

TS



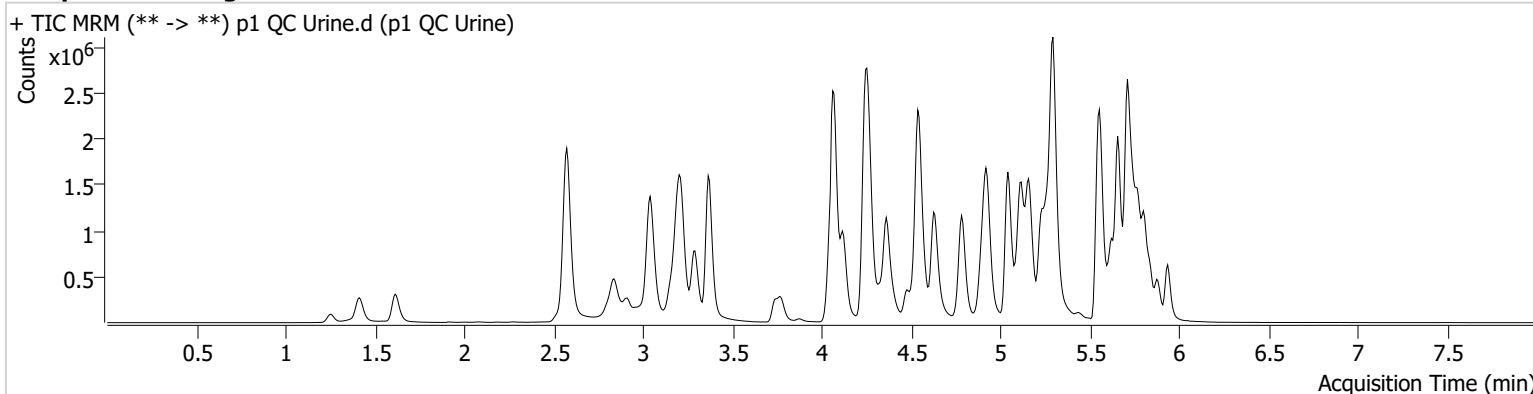
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 AM

**Instrument** Falco (069901) **Data File** p1 QC Urine.d  
**Type** QC **Sample** p1 QC Urine  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-E2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/8/2023 7:28:36 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	3.133	26152	1007.36	73.9	30846.42	64281	9.9233 ng/ml
7-aminoclonazepam	4.258	418104	12479.46	77.2	2864.14	172165	112.2784 ng/ml
a-hydroxyalprazolam	5.689	138251	305.53	68.7	358.46	467926	113.1299 ng/ml
alpha-PHP	4.935	395719	3409.19	260.8	28520.77	537613	107.0137 ng/ml
alpha-PVP	4.363	1532222	1227.64	52.4	5284.44	537613	101.5388 ng/ml
Alprazolam	5.766	701841	820.10	105.9	880.08	148241	105.4181 ng/ml
Amphetamine	3.043	2433909	1697.17	49.5	6378.60	311101	96.7213 ng/ml
Benzoylcegonine	3.877	30354	217.01	8.2	21.94	10661	95.5845 ng/ml
Buprenorphine	5.837	34959	1128.51	14.4	6614.41	107683	9.5671 ng/ml
Bupropion	4.785	1747742	2471.02	63.3	1767.57	497555	104.3675 ng/ml
Carisoprodol	5.721	558962	463859.51	61.5	443.13	252559	94.9214 ng/ml
Chlordiazepoxide	5.841	233395	2957.54	104.3	1319.93	344655	101.0952 ng/ml
Chlorpheniramine	5.118	2440537	7415.93	0.3	74.94	1068023	94.8902 ng/ml
Citalopram	5.225	1385839	40914.75	37.9	792275.78	506075	96.3047 ng/ml
Clonazepam	5.608	478849	704.01	35.5	271.49	61720	109.3362 ng/ml
Clonazolam	5.545	366604	16213.39	38.3	123278.66	61720	121.4317 ng/ml
Cocaine	4.264	1070638	849.59	51.1	550.50	839639	99.7416 ng/ml
Codeine	2.580	127914	1086.64	99.8	686.07	52205	105.6709 ng/ml
Cyclobenzaprine	5.625	1011167	19851.85	8.8	1414.10	402164	97.4951 ng/ml
Dextromethorphan	5.276	766640	10724.77	80.1	362.81	316573	97.4791 ng/ml
Dextrorphan	4.124	483582	482.74	209.1	7966.33	518220	98.5378 ng/ml
Diazepam	5.938	568738	1608.52	88.6	11488.15	191323	105.2138 ng/ml
Dihydrocodeine	2.552	360314	453.45	62.2	1172.25	222063	107.8814 ng/ml
Diphenhydramine	5.297	4096533	51040.73	31.4	52946.46	1709739	98.0005 ng/ml
DMT	2.852	128632	807.01	108.9	4523.13	316573	88.9203 ng/ml
Doxylamine	4.538	3200925	70324.99	95.0	97579.41	1271271	101.3908 ng/ml
Duloxetine	5.651	138568	2265.21	14.0	160.40	67251	103.1205 ng/ml
EDDP	5.262	626308	494.40	41.4	121.30	326650	94.5018 ng/ml
Etizolam	5.804	328963	7721.66	26.8	140125.91	61720	123.2853 ng/ml
Fentanyl	5.101	119627	224.35	67.7	170.74	560603	11.0205 ng/ml
Flualprazolam	5.695	239884	7496.90	107.2	6701.85	148241	113.1967 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

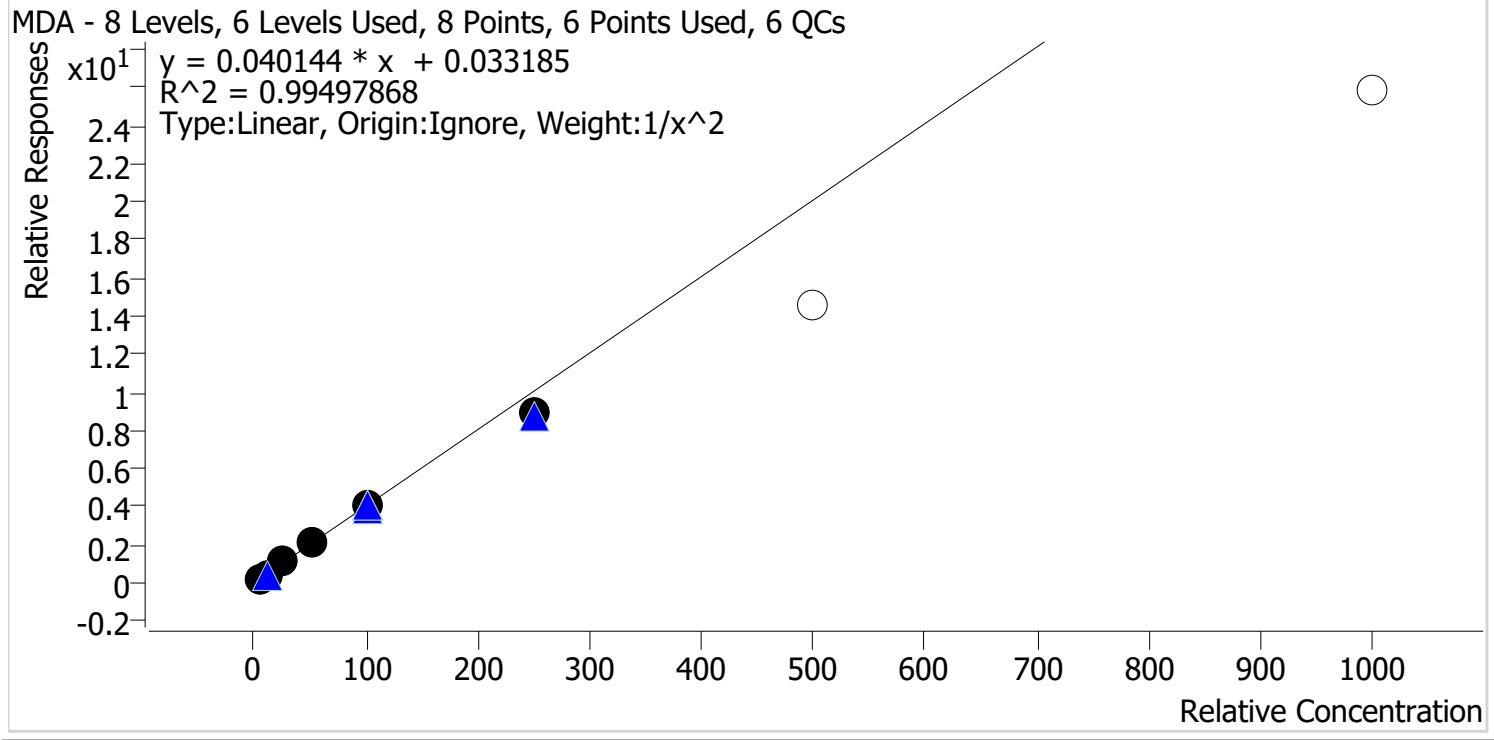
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.162	313216	2745.97	43.2	6248.11	4757	10.1410 ng/ml
Fluoxetine	5.711	1334069	1225.07	8.0	130133.16	476483	97.2209 ng/ml
Hydrocodone	3.019	530826	458.06	36.5	∞	283224	109.0553 ng/ml
Hydromorphone	1.615	483200	1903.83	76.1	366.60	139922	99.9124 ng/ml
Hydroxyzine	5.708	1286127	26432.37	71.8	2027.17	316573	89.5551 ng/ml
Ketamine	4.050	1181232	11787.09	37.1	740.15	400892	107.3895 ng/ml
Lamotrigine	4.281	91580	221.80	82.6	1617.88	1270838	105.1784 ng/ml
Lorazepam	5.737	391860	2488.31	52.8	665.28	310683	102.6139 ng/ml
MDA	3.191	1750255	4630.44	26.8	3147.30	440585	98.1302 ng/ml
MDMA	3.292	987132	8164.86	92.6	5172.33	119484	96.9201 ng/ml
Meprobamate	4.901	435940	27309.11	26.2	1021.11	215427	106.9139 ng/ml
Methadone	5.656	2207014	3633.80	48.8	1192.60	739017	98.8519 ng/ml
Methamphetamine	3.219	2041266	4133.81	38.2	1453.05	799351	104.5573 ng/ml
Metoprolol	4.327	269517	1004818.84	105.6	4005.66	1141417	102.8388 ng/ml
Mirtazapine	4.627	2114253	3251.79	49.7	24140.84	537613	104.1943 ng/ml
Mitragynine	5.236	498912	157159.04	36.3	94340.47	739017	121.6841 ng/ml
Morphine	1.253	78157	846.14	26.5	276.30	11256	98.0599 ng/ml
Norbuprenorphine	4.997	5007	2898.32	95.4	760.16	18273	9.9220 ng/ml
Nordiazepam	5.884	424980	348.12	59.9	772.19	120851	101.2161 ng/ml
Norfentanyl	4.085	230677	13991.69	37.1	968.27	830947	9.7184 ng/ml
Norhydrocodone	3.067	71112	718.90	39.5	133.27	74708	94.7483 ng/ml
Noroxycodone	2.911	466547	2306.13	49.5	908.43	158270	96.9598 ng/ml
O-desmethyl-tramadol	3.372	2548498	36698.02	6.1	1095.00	1385568	96.7620 ng/ml
o-desmethylvenlafaxine	4.080	3706801	37828.59	17.1	1384.26	239454	95.3340 ng/ml
Olanzapine	4.475	651831	2591.04	55.8	1431.55	158490	95.9143 ng/ml
Oxazepam	5.747	539111	3605.13	72.8	1150.56	310683	99.8298 ng/ml
Oxycodone	2.835	948210	2030.53	31.0	1163.92	380007	105.6726 ng/ml
Oxymorphone	1.411	514367	∞	47.4	516.07	160826	100.8874 ng/ml
Phentermine	3.774	578429	6427.19	5.5	∞	638716	105.6118 ng/ml
Promethazine	5.548	2218962	1156.82	30.8	5816.64	907249	94.0763 ng/ml
Pseudoephedrine	2.576	3347388	2289.43	16.6	247.15	1270838	95.6954 ng/ml
Quetiapine	5.558	1388991	68837.80	58.9	13745.97	175482	104.1444 ng/ml
Sertraline	5.780	476136	680.17	93.5	477.16	192731	95.2833 ng/ml
Temazepam	5.807	877964	8359.62	30.4	1693.82	467926	96.5087 ng/ml
Tramadol	4.246	2346988	∞	3.7	177.92	1141417	100.2659 ng/ml
Trazodone	5.155	1814292	44622.50	69.2	66234.50	613420	98.4778 ng/ml
Venlafaxine	5.042	2290984	44557.10	34.5	487.03	1213923	96.4158 ng/ml
Zolpidem	4.919	2168424	13550.22	30.0	1669.58	1092299	101.7305 ng/ml

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng_r	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng_r	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	224.4	89.8
p1 Cal 7-500ng	7	x	500.0	362.0	72.4
p1 Cal 8-1000ng	8	x	1000.0	643.0	64.3

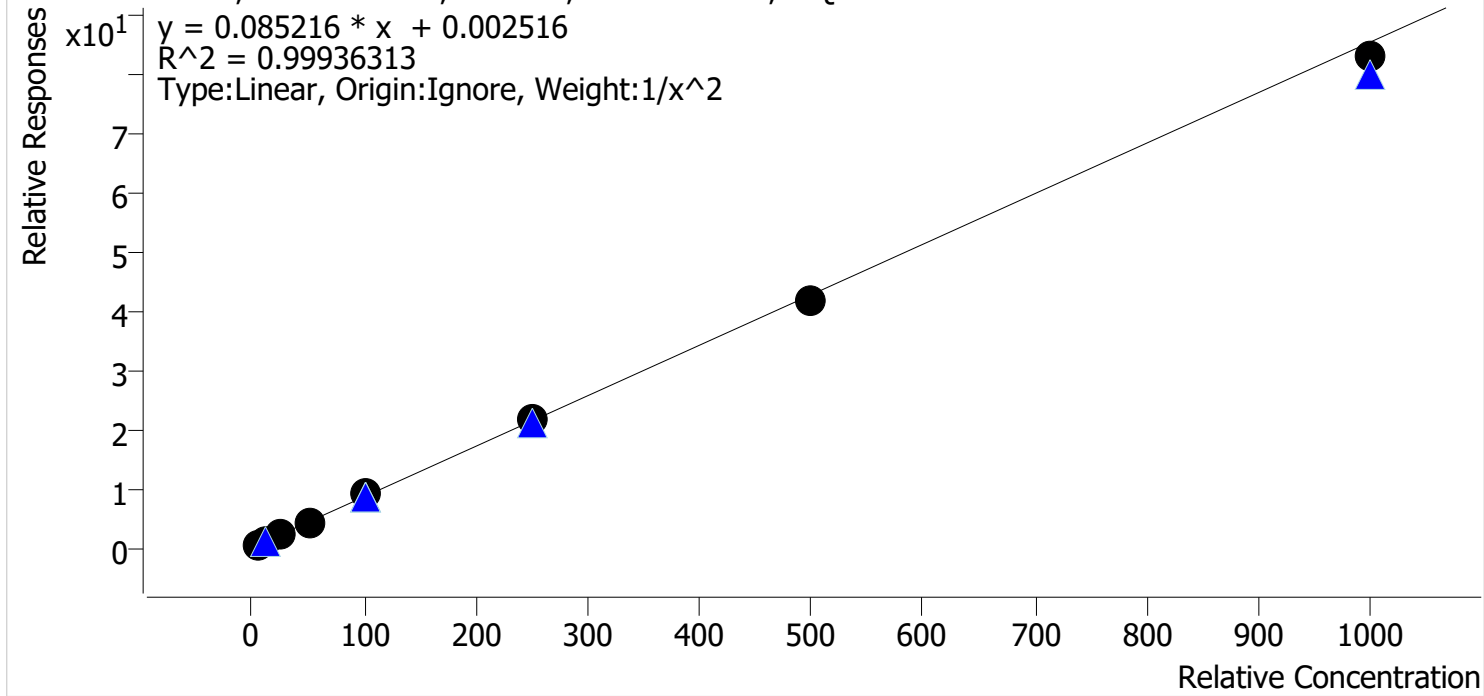
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng_r	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng_r	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✓	1000.0	971.4	97.1

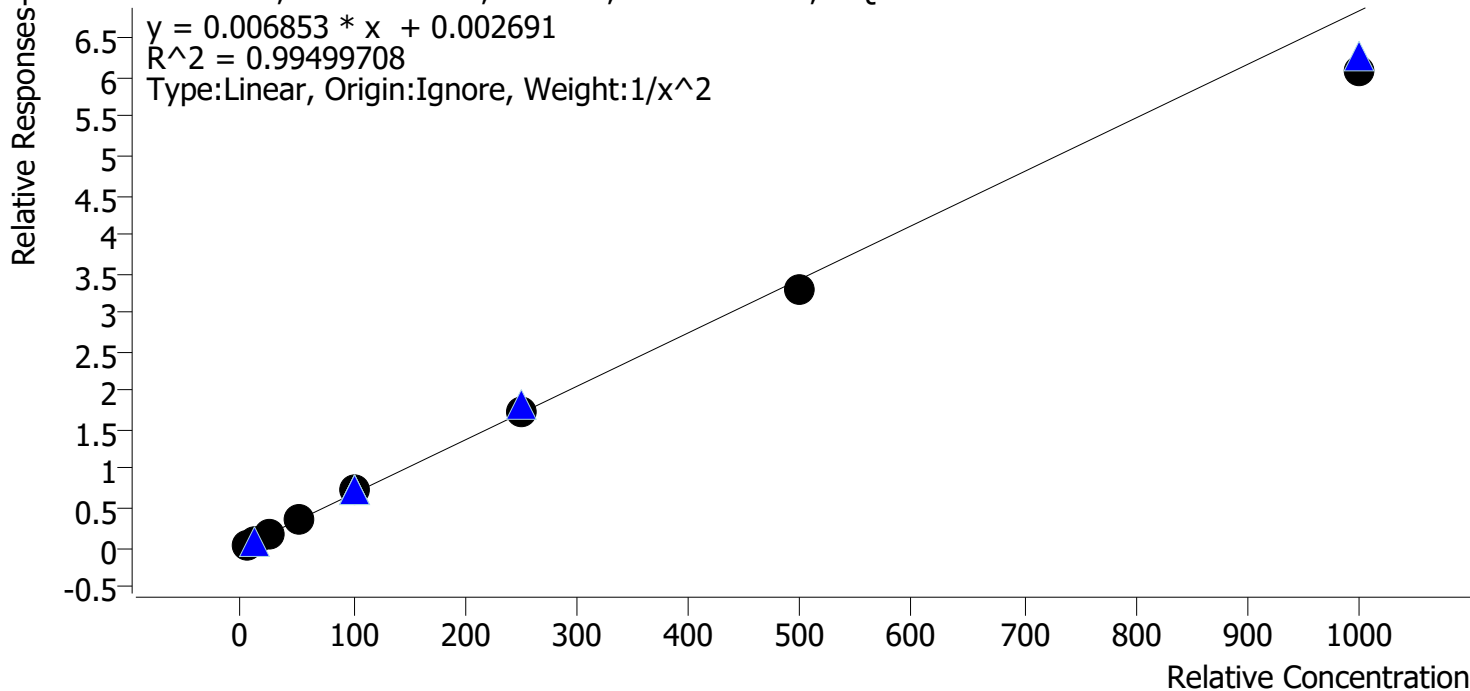
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3-25ng_r	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng_r	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	477.9	95.6
p1 Cal 8-1000ng	8	✓	1000.0	886.9	88.7

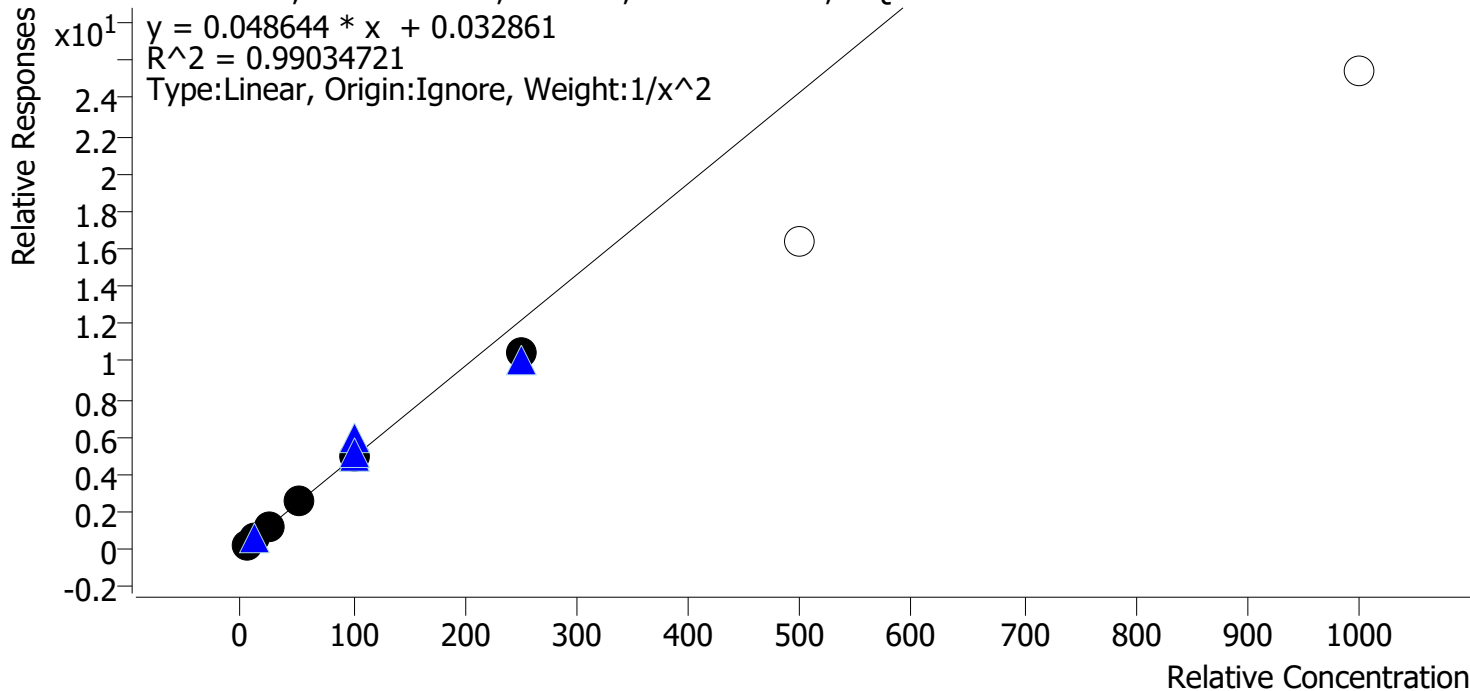
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

Clonazolam - 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	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.6	106.1
p1 Cal 3-25ng_r	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng_r	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	215.2	86.1
p1 Cal 7-500ng	7	x	500.0	338.4	67.7
p1 Cal 8-1000ng	8	x	1000.0	524.7	52.5

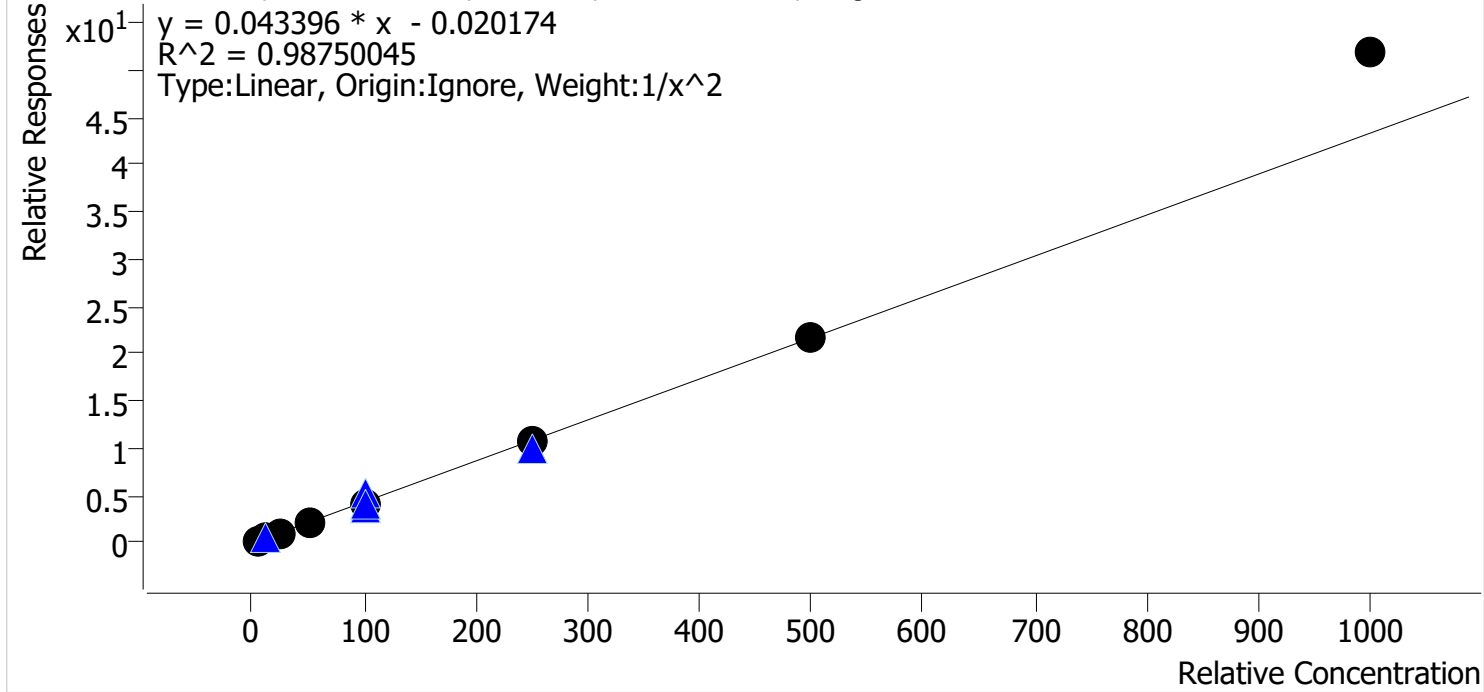
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	5.3	105.8
p1 Cal 2-10ng	2	✓	10.0	9.4	94.5
p1 Cal 3-25ng_r	3	✓	25.0	21.8	87.0
p1 Cal 4-50ng_r	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	93.4	93.4
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	505.1	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1196.6	119.7

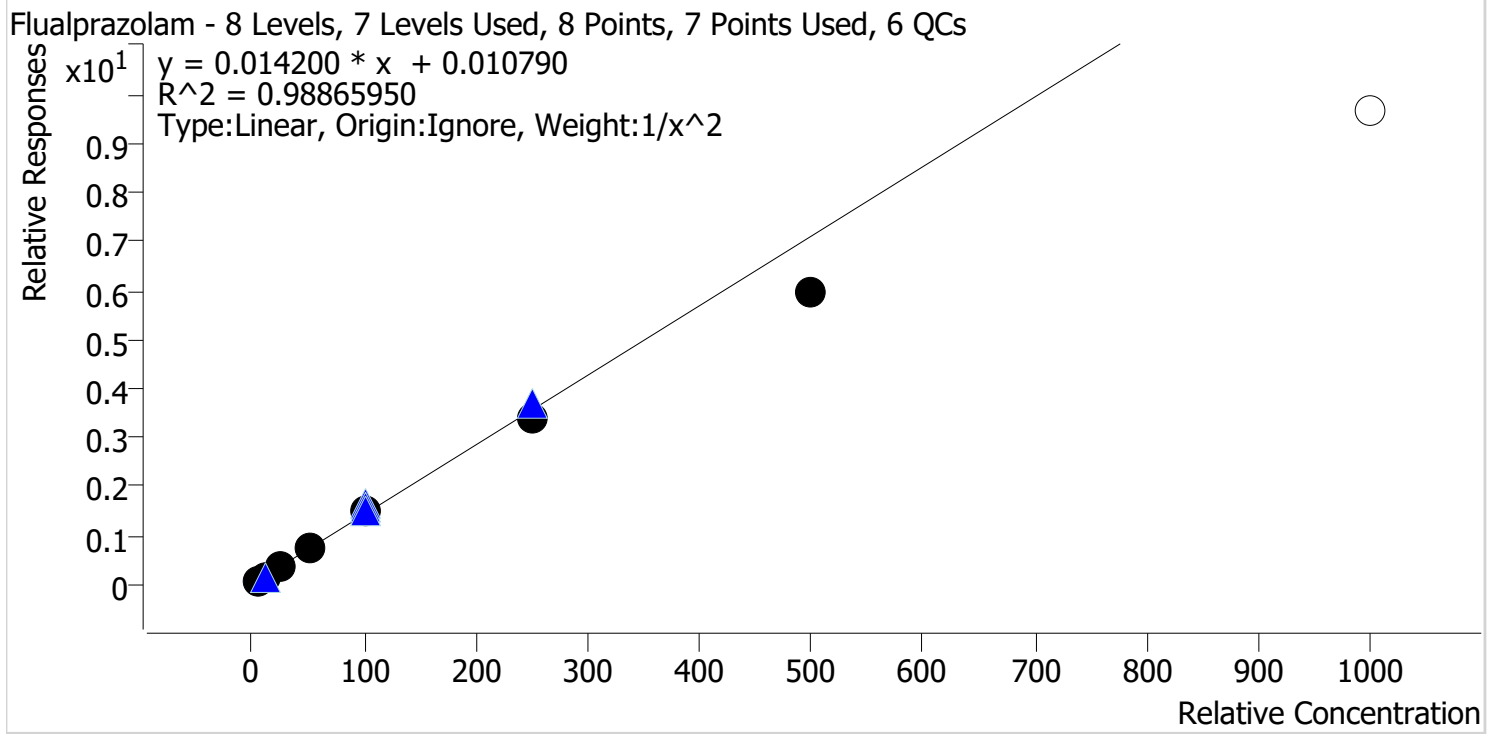


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



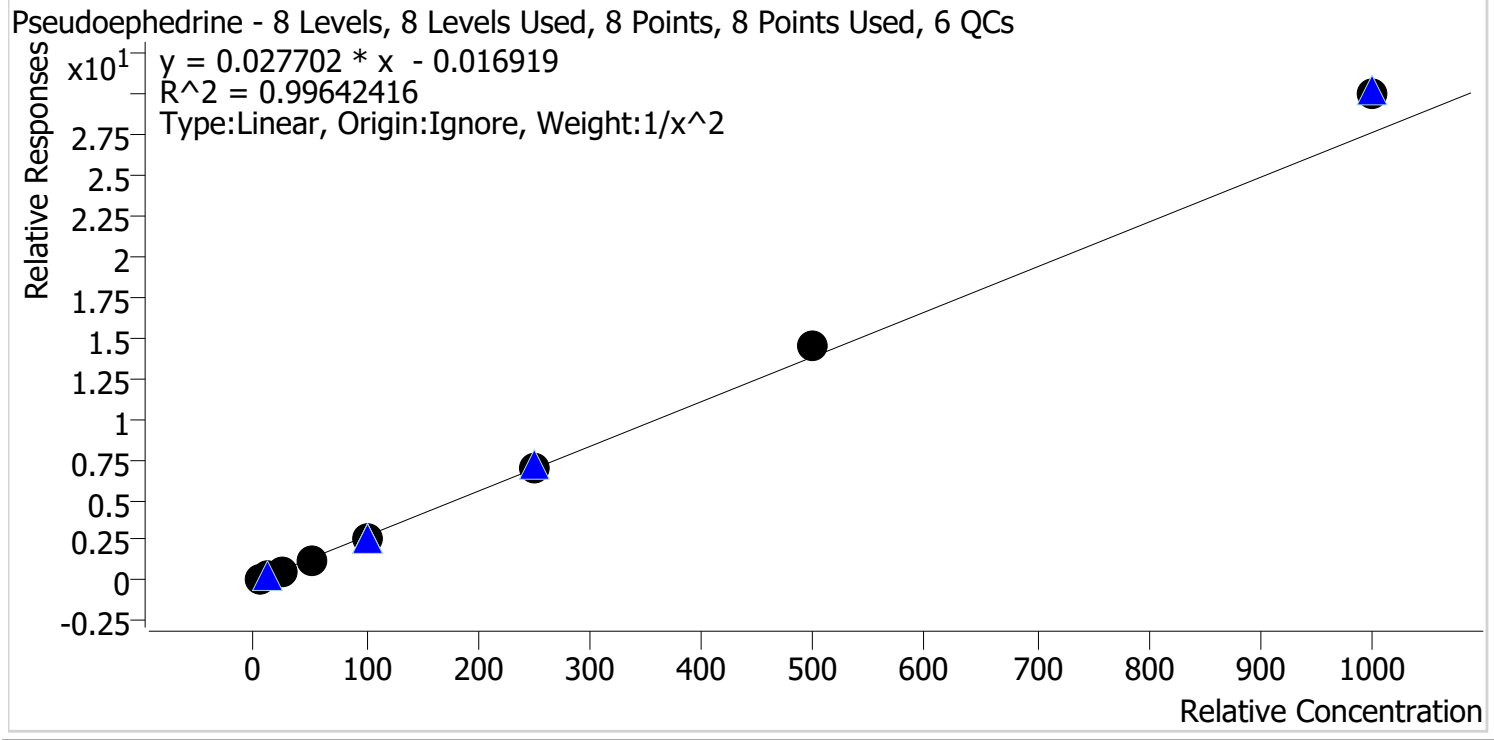
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.2
p1 Cal 2-10ng	2	✓	10.0	10.8	107.7
p1 Cal 3-25ng_r	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng_r	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	239.5	95.8
p1 Cal 7-500ng	7	✓	500.0	418.6	83.7
p1 Cal 8-1000ng	8	✗	1000.0	678.7	67.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



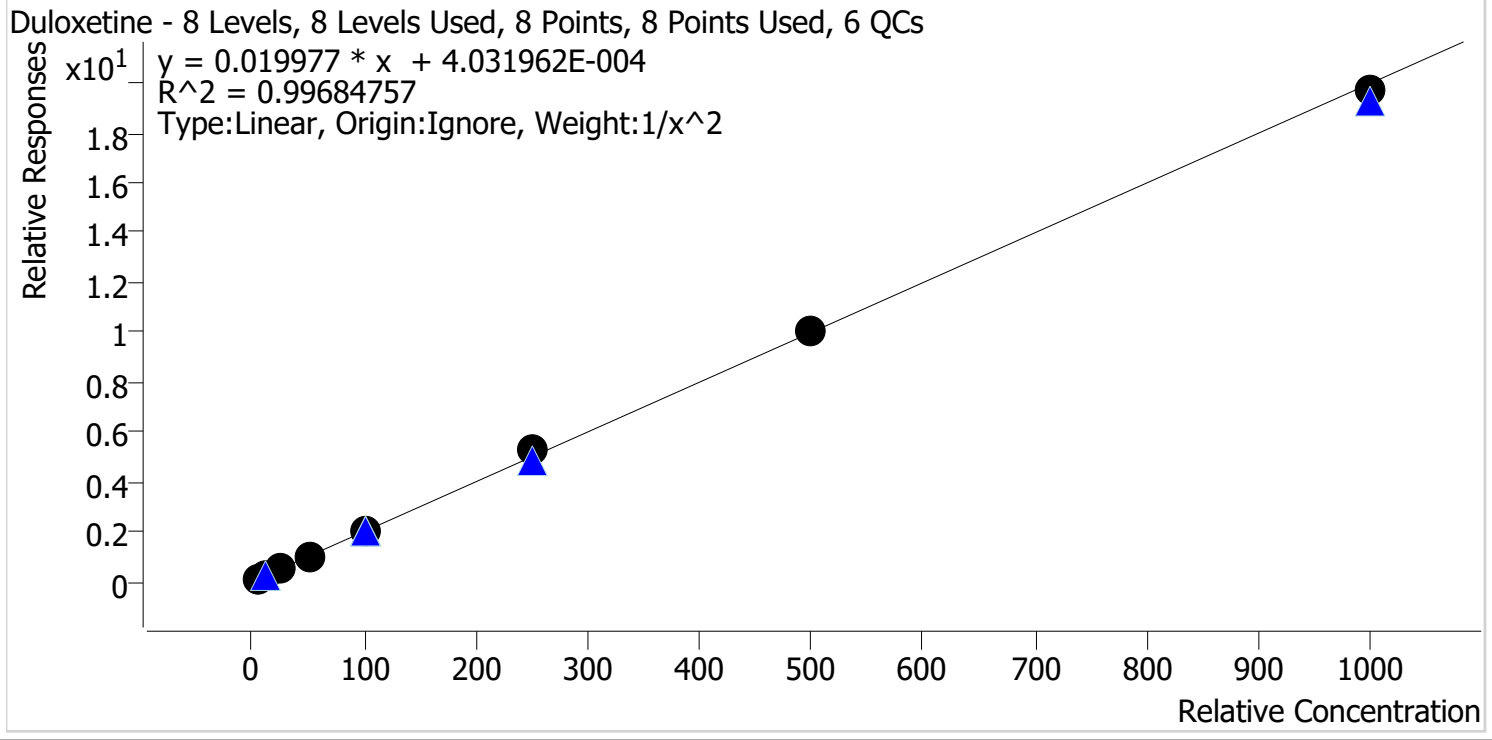
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3-25ng_r	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng_r	4	✓	50.0	46.3	92.7
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	251.4	100.5
p1 Cal 7-500ng	7	✓	500.0	525.3	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1083.3	108.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3



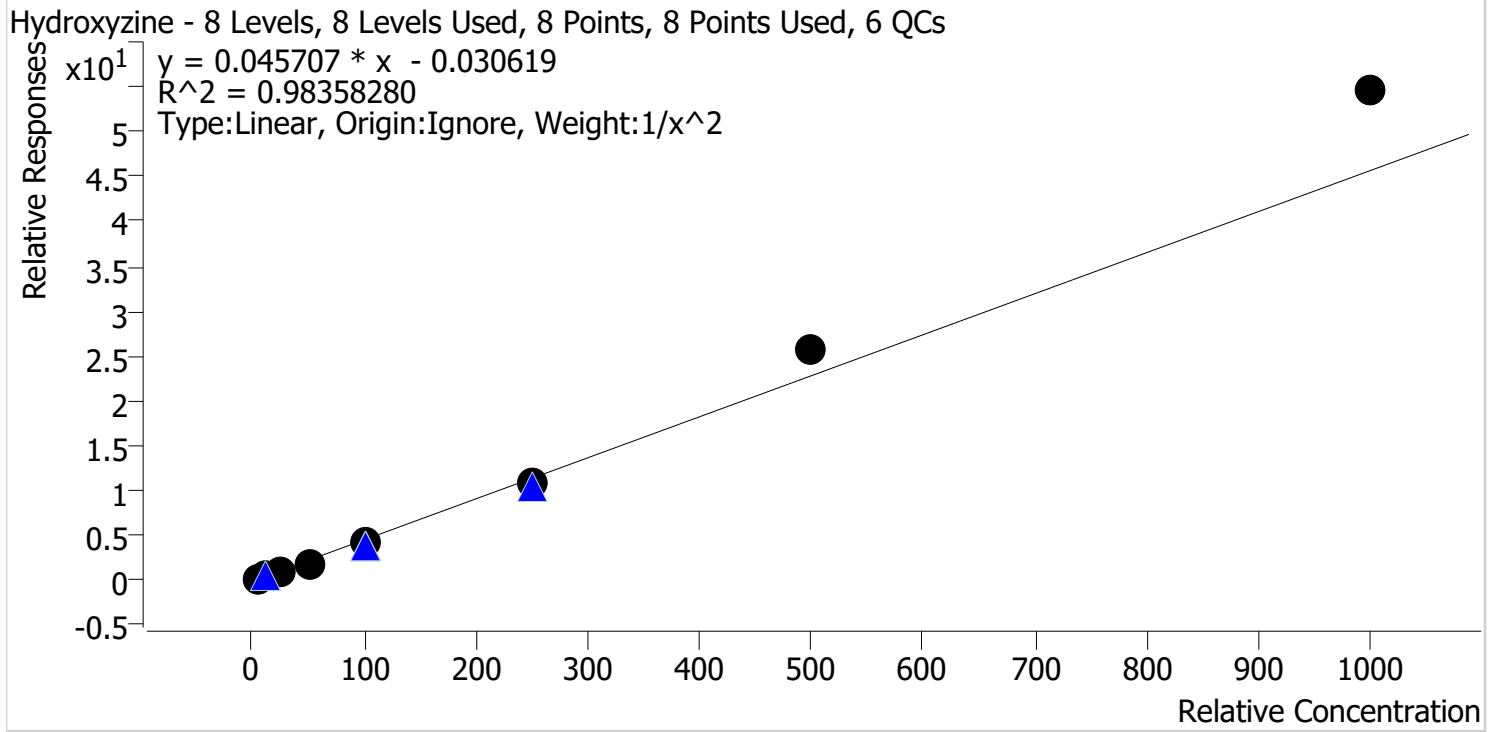
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.9
p1 Cal 2-10ng	2	✓	10.0	8.9	89.4
p1 Cal 3 -25ng_r	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng_r	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	262.3	104.9
p1 Cal 7-500ng	7	✓	500.0	500.9	100.2
p1 Cal 8-1000ng	8	✓	1000.0	985.6	98.6

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3



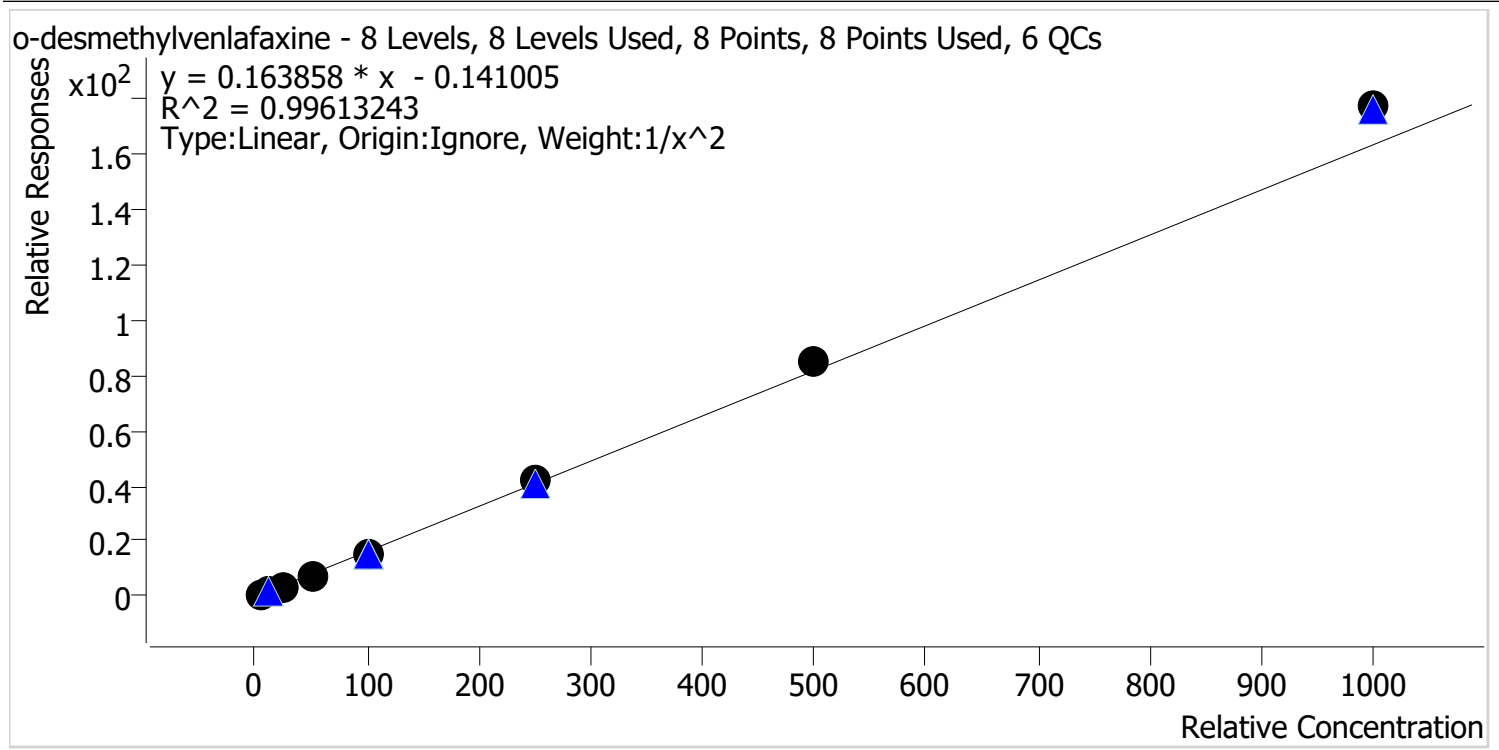
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.5
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3-25ng_r	3	✓	25.0	22.5	90.1
p1 Cal 4-50ng_r	4	✓	50.0	44.4	88.7
p1 Cal 5-100ng	5	✓	100.0	92.9	92.9
p1 Cal 6-250ng	6	✓	250.0	238.3	95.3
p1 Cal 7-500ng	7	✓	500.0	561.7	112.3
p1 Cal 8-1000ng	8	✓	1000.0	1195.0	119.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	9.5	95.3
p1 Cal 3 -25ng_r	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng_r	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	93.7	93.7
p1 Cal 6-250ng	6	✓	250.0	255.1	102.1
p1 Cal 7-500ng	7	✓	500.0	523.1	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1085.2	108.5

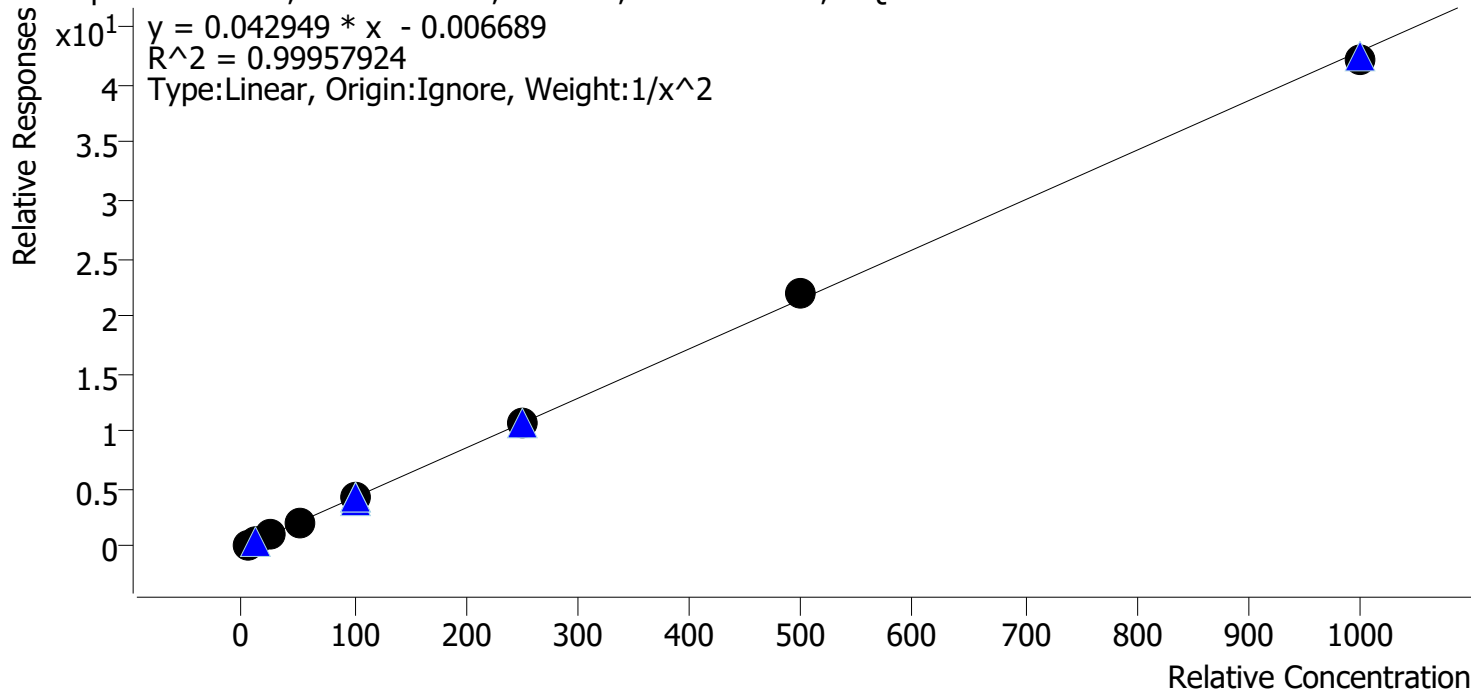
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8

Olanzapine - 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	98.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng_r	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng_r	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	512.3	102.5
p1 Cal 8-1000ng	8	✓	1000.0	984.0	98.4

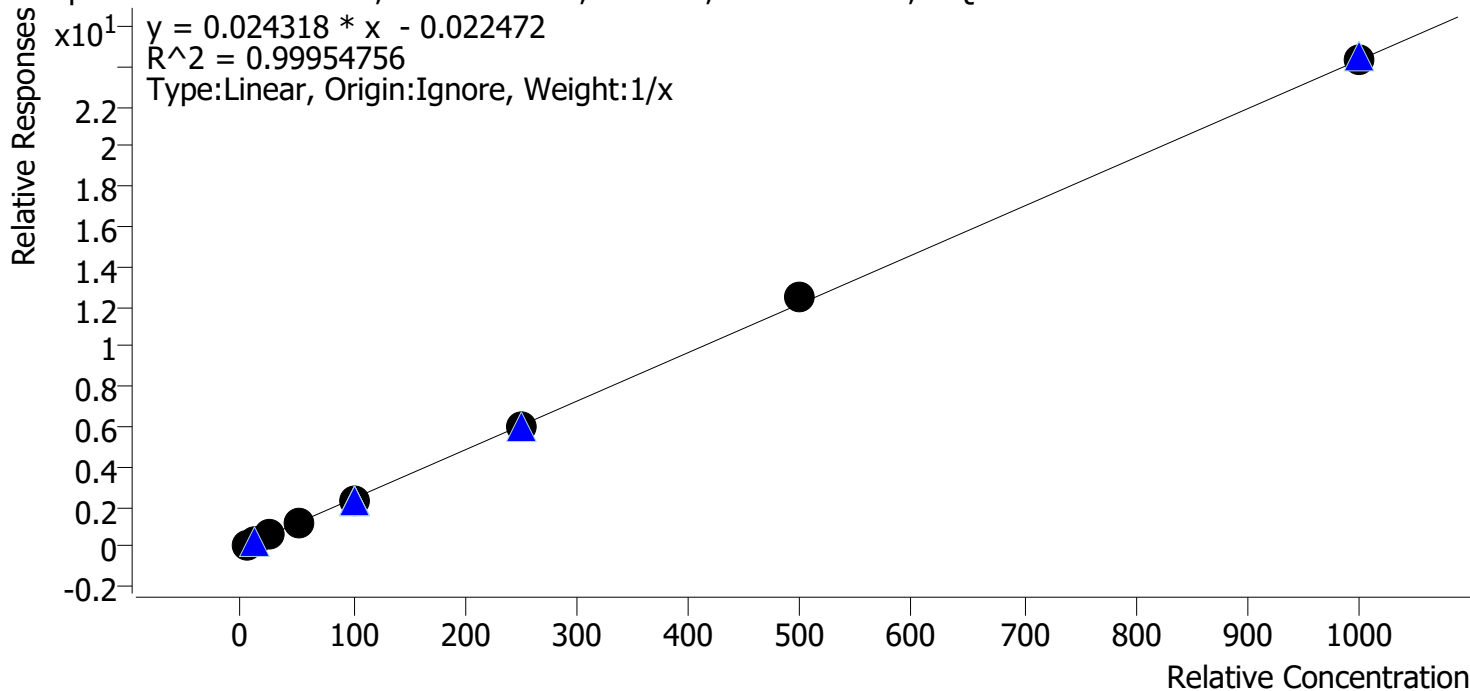
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Chlorpheniramine **Internal Standard** Chlorpheniramine-D6

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



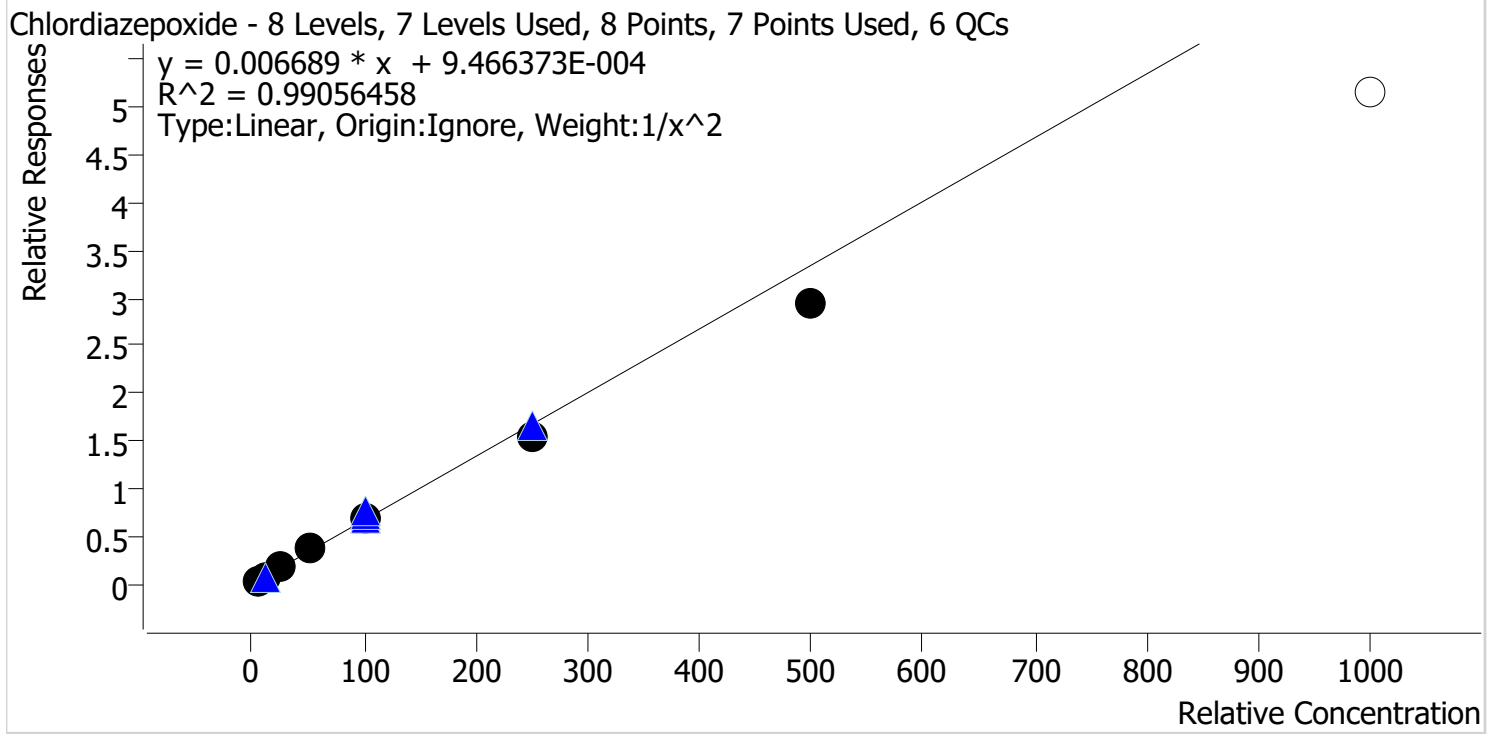
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng_r	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng_r	4	✓	50.0	46.4	92.8
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	248.1	99.3
p1 Cal 7-500ng	7	✓	500.0	511.5	102.3
p1 Cal 8-1000ng	8	✓	1000.0	998.1	99.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Chlordiazepoxide **Internal Standard** Chlordiazepoxide-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng_r	3	✓	25.0	27.9	111.6
p1 Cal 4-50ng_r	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	232.6	93.0
p1 Cal 7-500ng	7	✓	500.0	438.5	87.7
p1 Cal 8-1000ng	8	x	1000.0	770.8	77.1

Compound not evaluated.



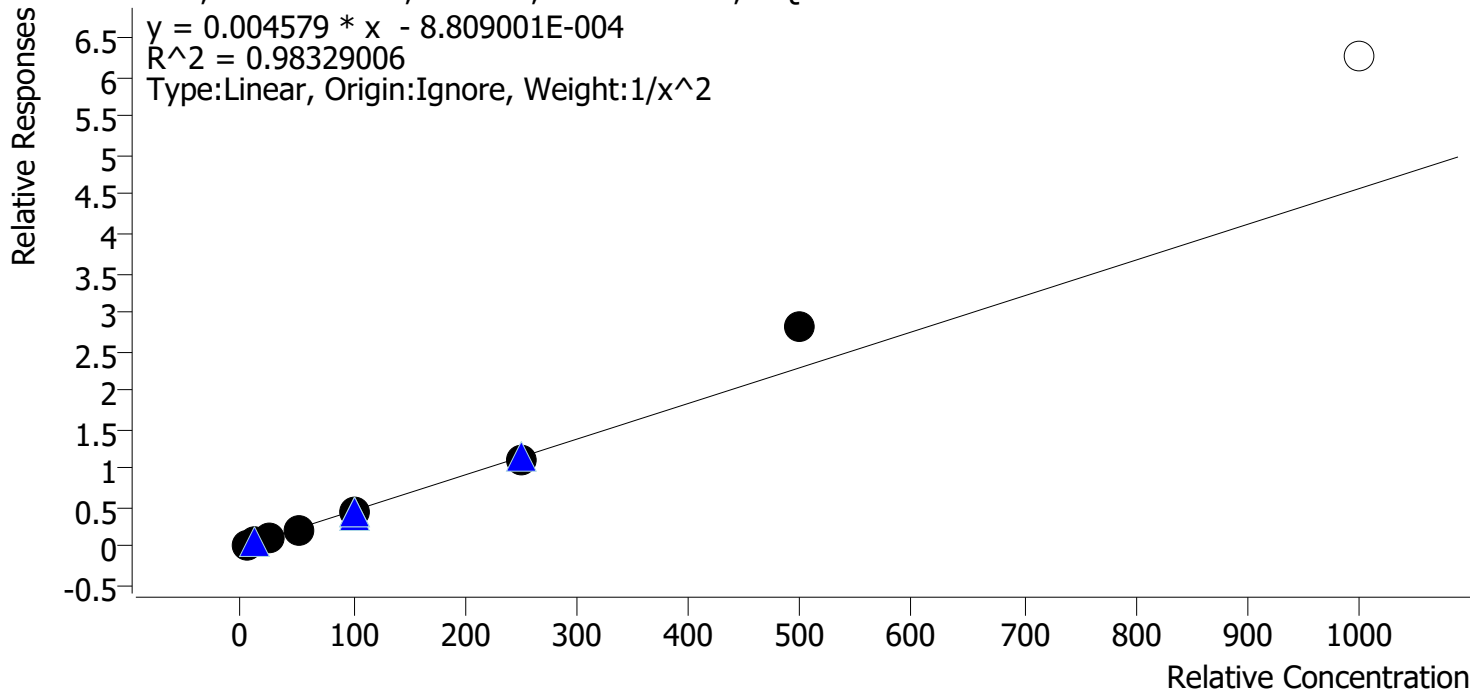
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** DMT **Internal Standard** Dextromethorphan-D3

DMT - 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	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3-25ng_r	3	✓	25.0	23.1	92.3
p1 Cal 4-50ng_r	4	✓	50.0	43.8	87.5
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	245.4	98.1
p1 Cal 7-500ng	7	✓	500.0	611.1	122.2
p1 Cal 8-1000ng	8	✗	1000.0	1368.8	136.9

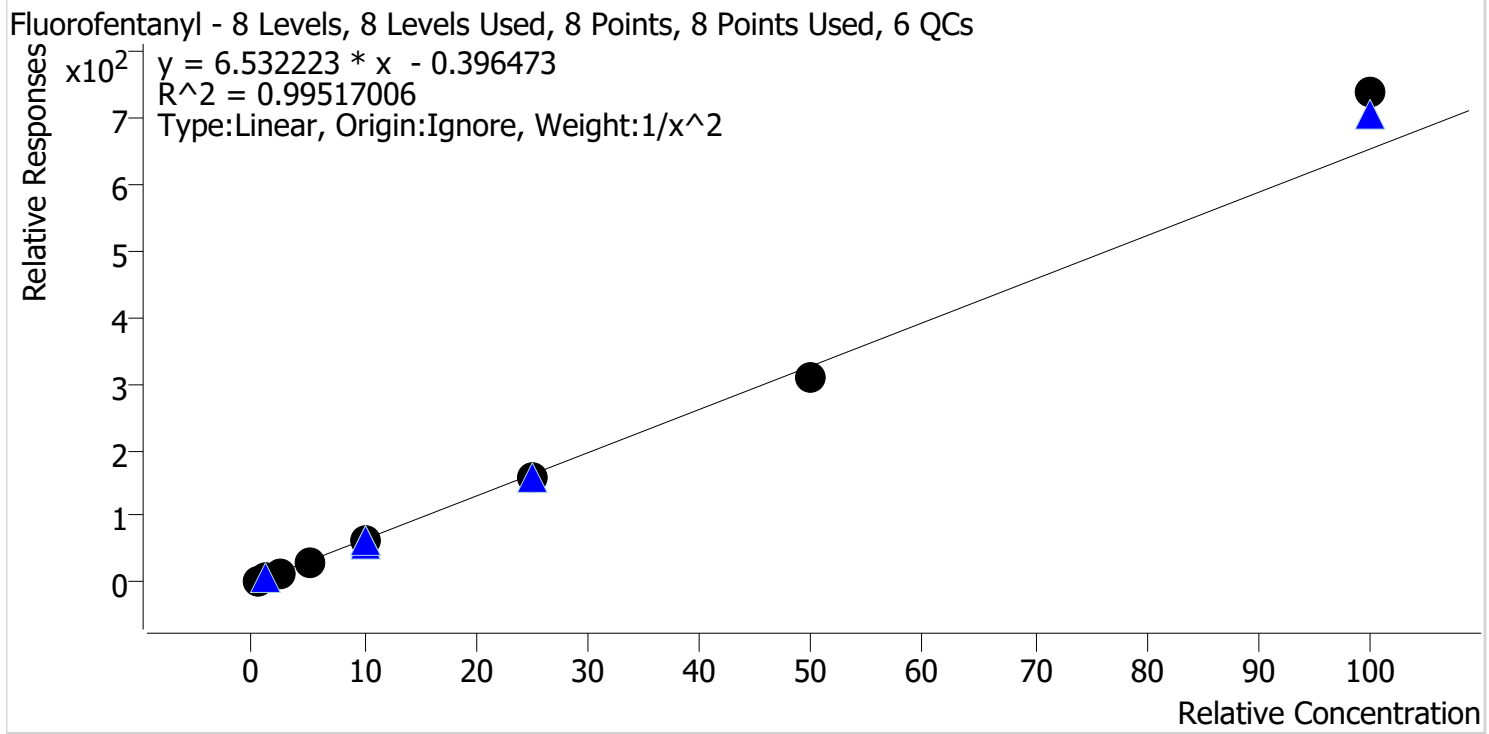
Compound not evaluated.

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	103.1
p1 Cal 2-10ng	2	✓	1.0	1.0	95.8
p1 Cal 3 -25ng_r	3	✓	2.5	2.4	95.0
p1 Cal 4-50ng_r	4	✓	5.0	5.0	99.9
p1 Cal 5-100ng	5	✓	10.0	10.1	101.1
p1 Cal 6-250ng	6	✓	25.0	24.3	97.3
p1 Cal 7-500ng	7	✓	50.0	47.4	94.8
p1 Cal 8-1000ng	8	✓	100.0	113.0	113.0

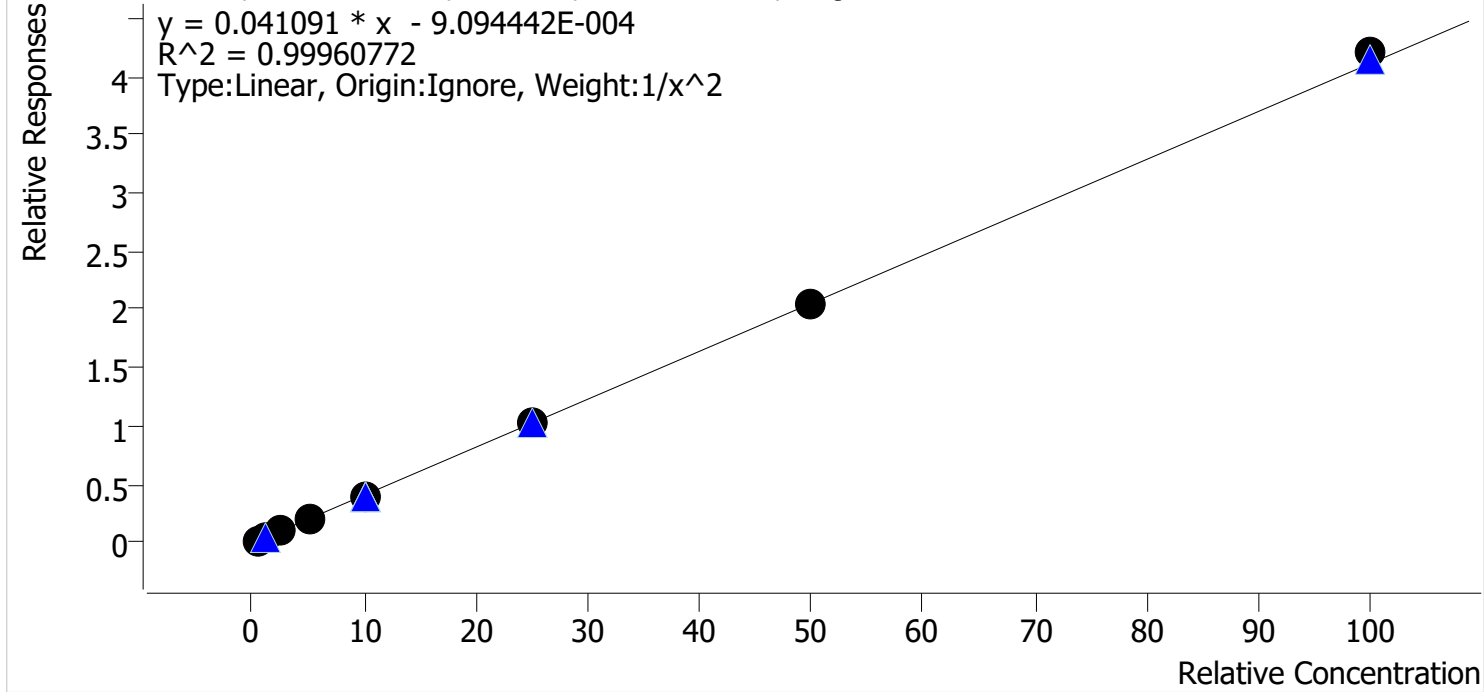
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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



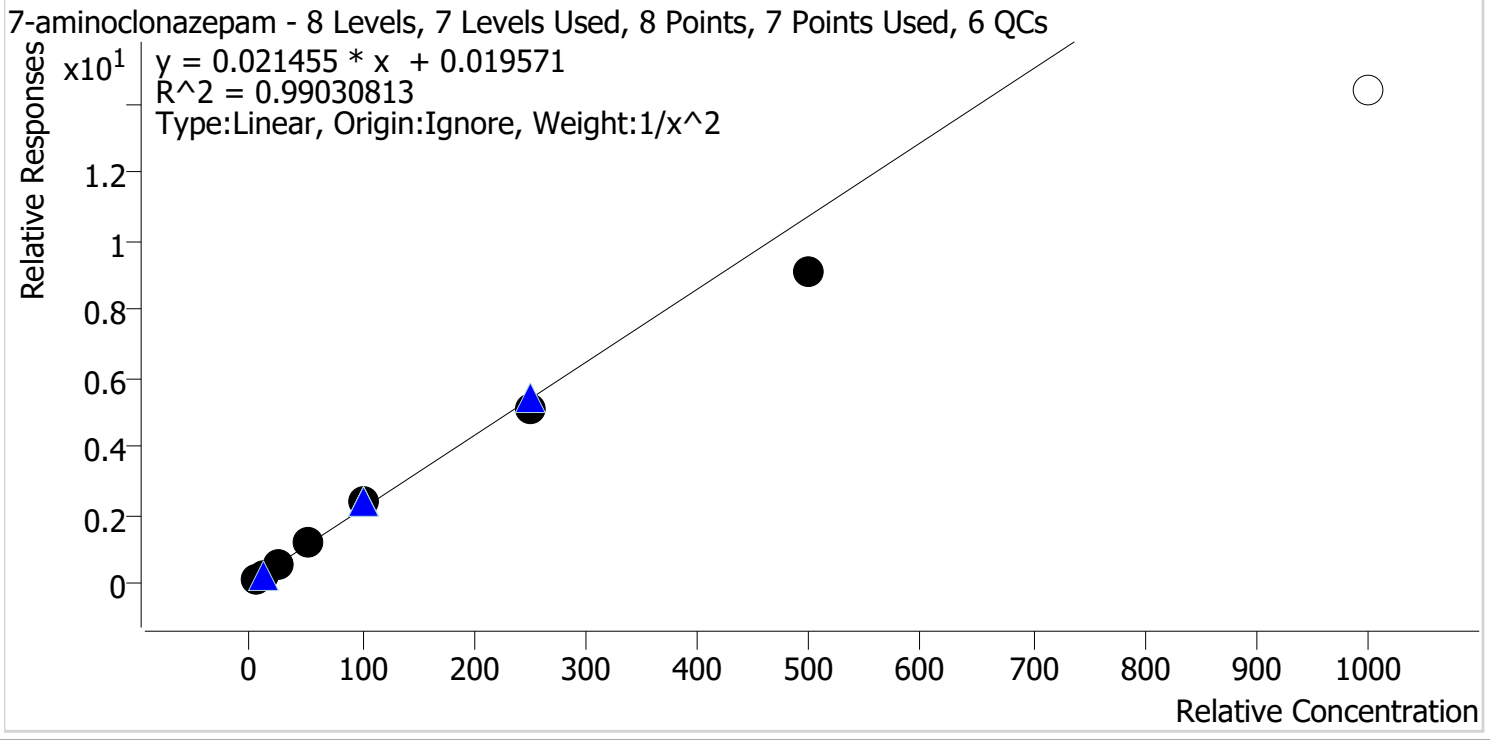
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.5
p1 Cal 2-10ng	2	✓	1.0	1.0	102.1
p1 Cal 3 -25ng_r	3	✓	2.5	2.5	98.6
p1 Cal 4-50ng_r	4	✓	5.0	4.9	98.4
p1 Cal 5-100ng	5	✓	10.0	9.8	98.0
p1 Cal 6-250ng	6	✓	25.0	25.4	101.4
p1 Cal 7-500ng	7	✓	50.0	49.9	99.8
p1 Cal 8-1000ng	8	✓	100.0	102.3	102.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



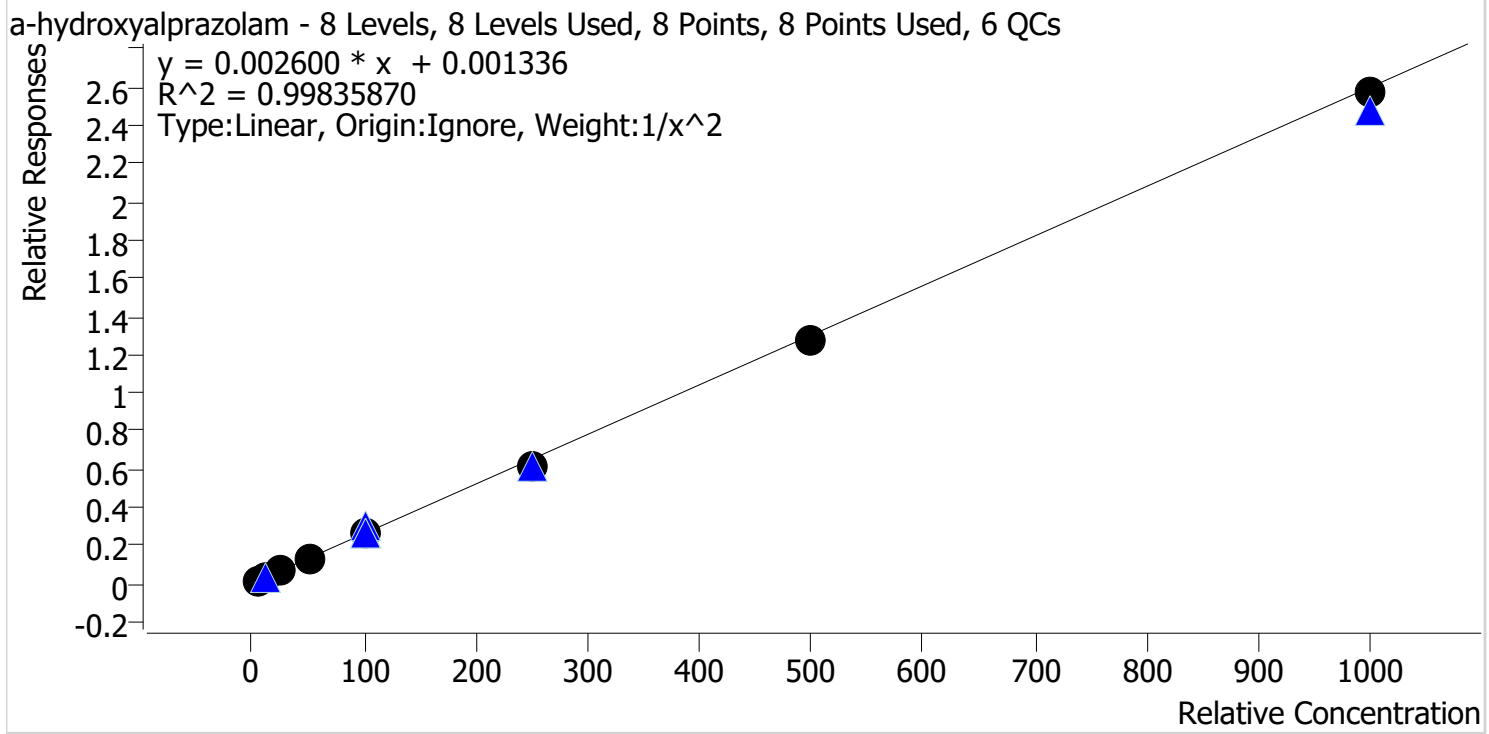
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng_r	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng_r	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	109.4	109.4
p1 Cal 6-250ng	6	✓	250.0	238.7	95.5
p1 Cal 7-500ng	7	✓	500.0	424.3	84.9
p1 Cal 8-1000ng	8	✗	1000.0	670.6	67.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Temazepam-D5



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	10.1	101.3
p1 Cal 3 -25ng_r	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng_r	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	234.1	93.6
p1 Cal 7-500ng	7	✓	500.0	489.6	97.9
p1 Cal 8-1000ng	8	✓	1000.0	989.2	98.9

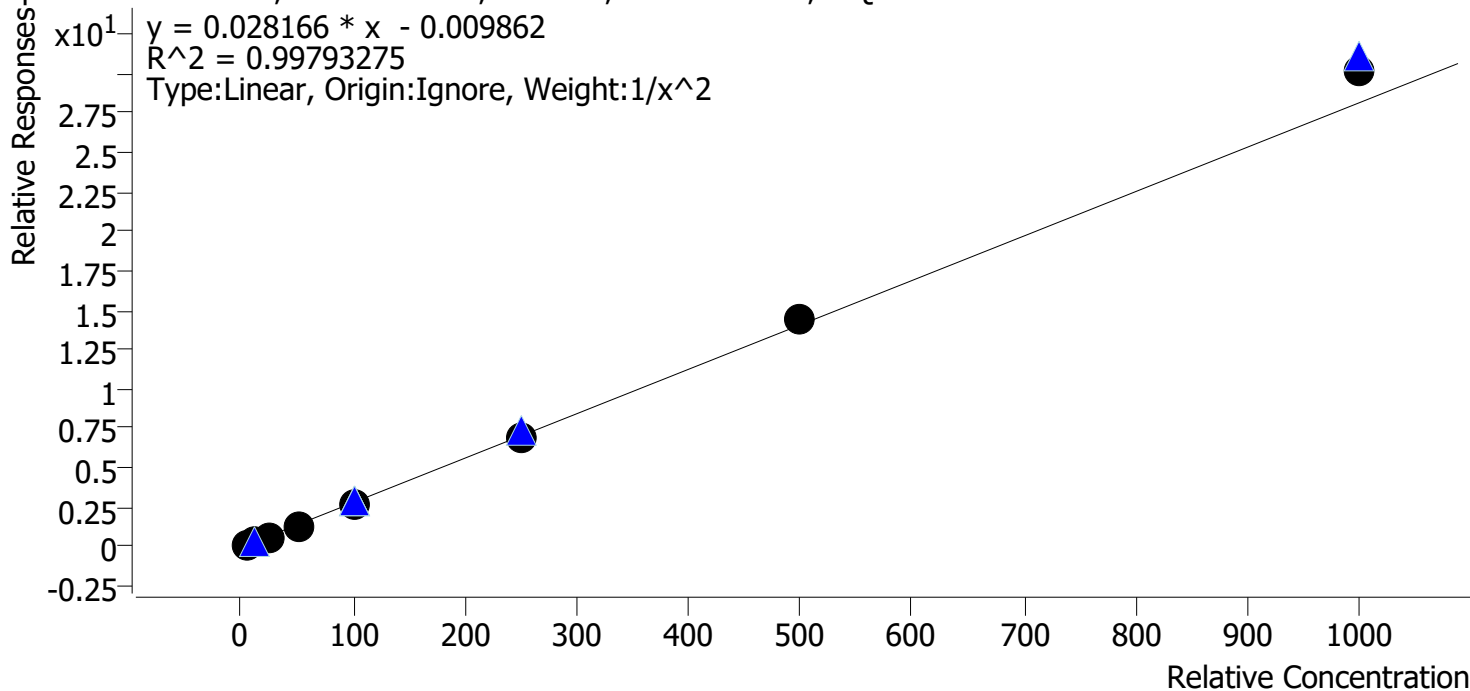
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3-25ng_r	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng_r	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	516.1	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1072.5	107.2

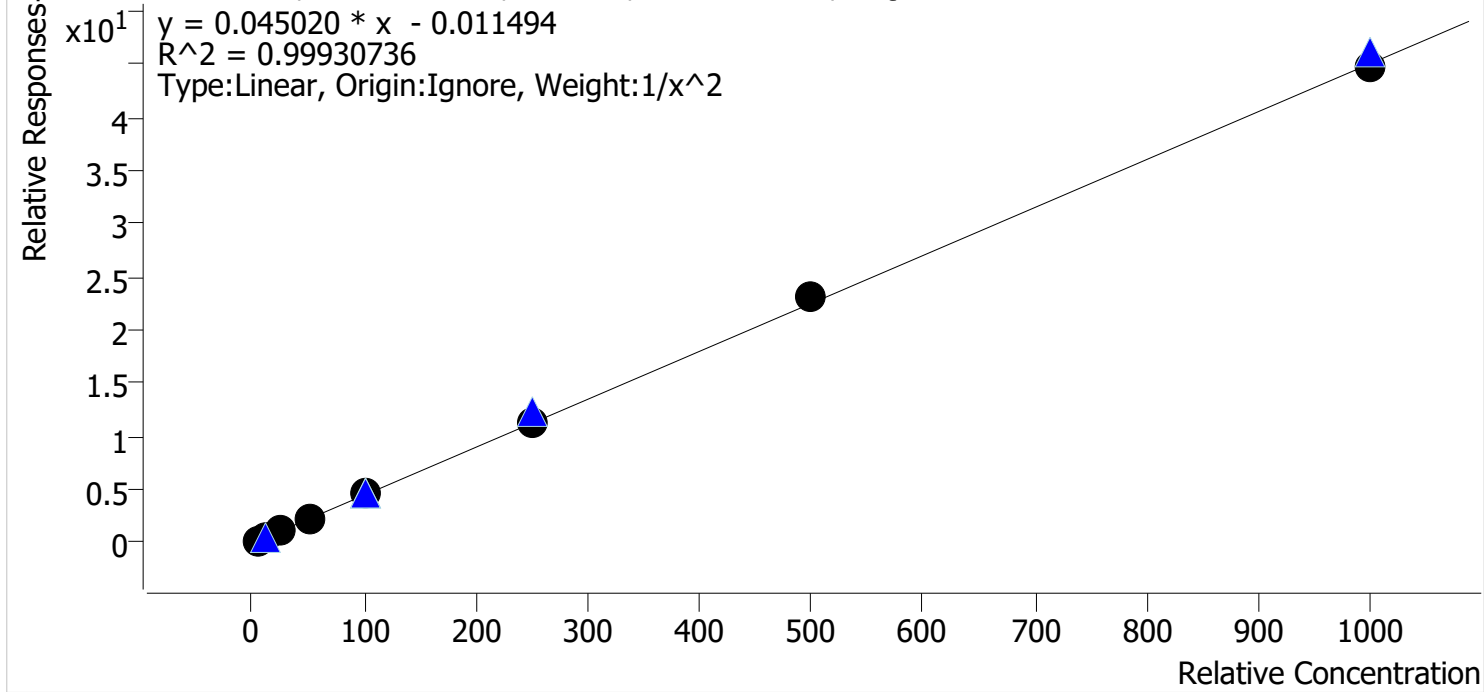
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3-25ng_r	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng_r	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	516.7	103.3
p1 Cal 8-1000ng	8	✓	1000.0	991.6	99.2

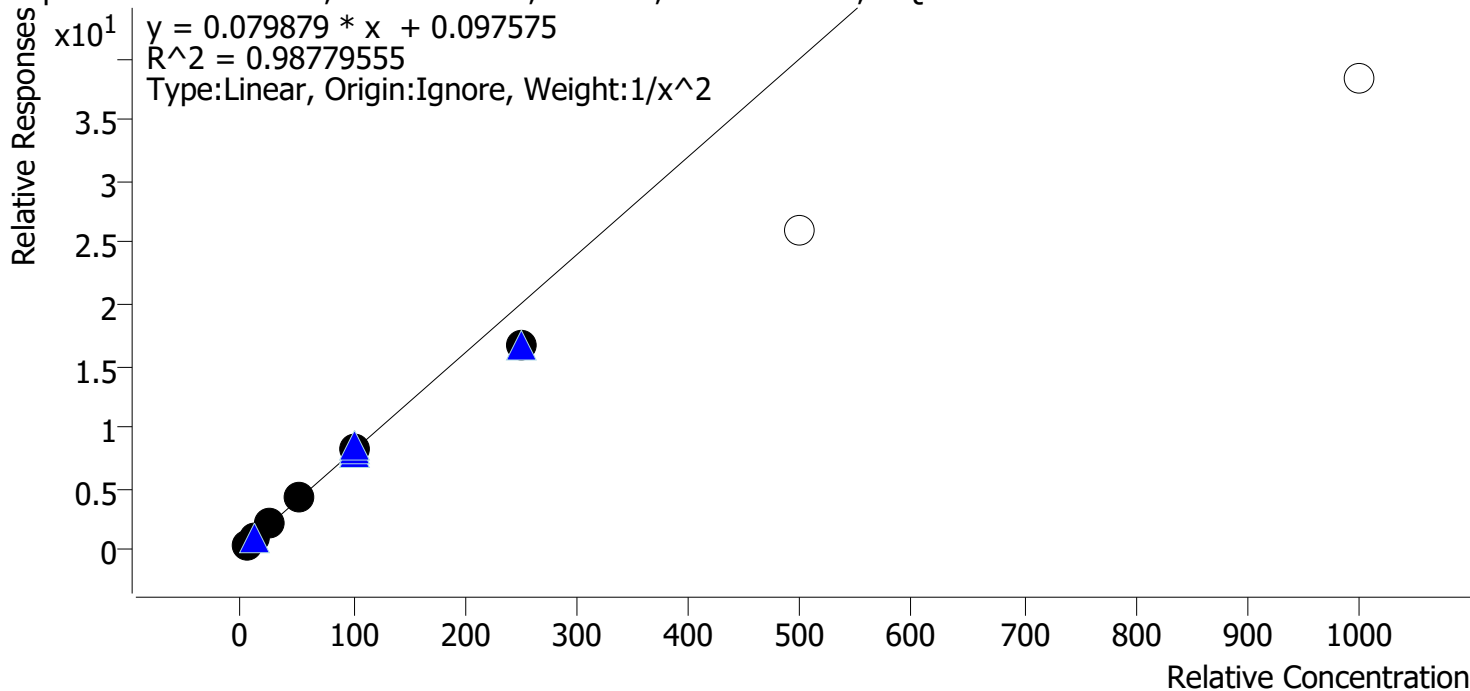
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3-25ng_r	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng_r	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	208.9	83.6
p1 Cal 7-500ng	7	x	500.0	325.8	65.2
p1 Cal 8-1000ng	8	x	1000.0	480.4	48.0

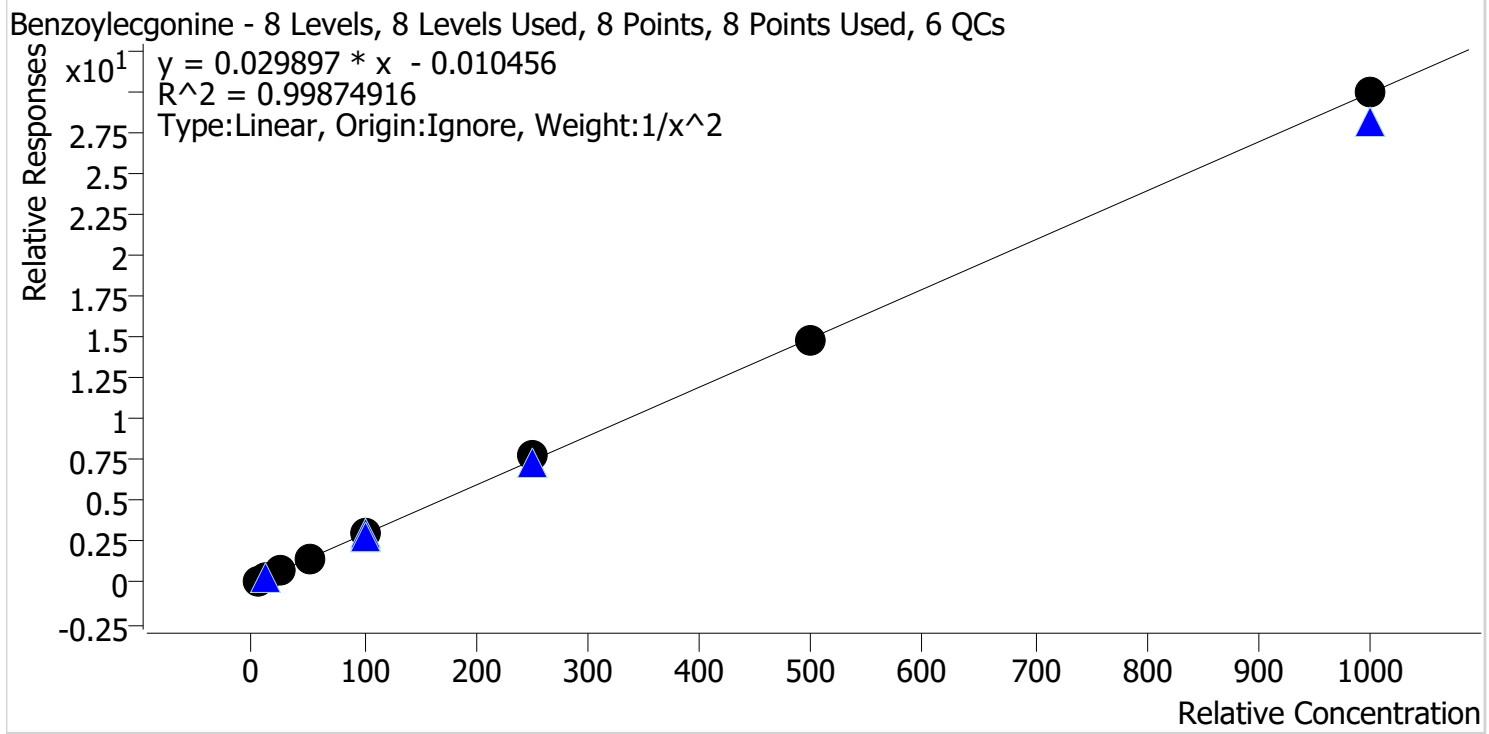


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng_r	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng_r	4	✓	50.0	47.0	93.9
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	261.2	104.5
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1000.8	100.1

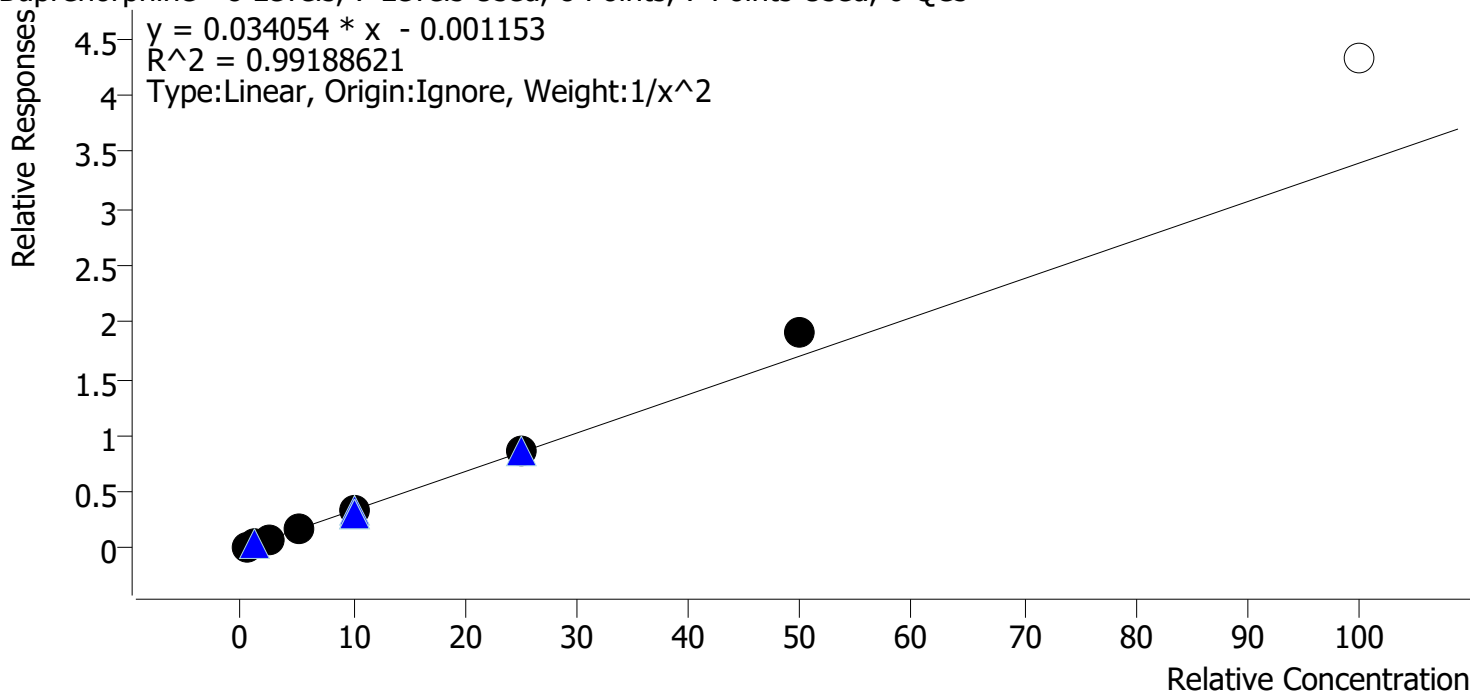
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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



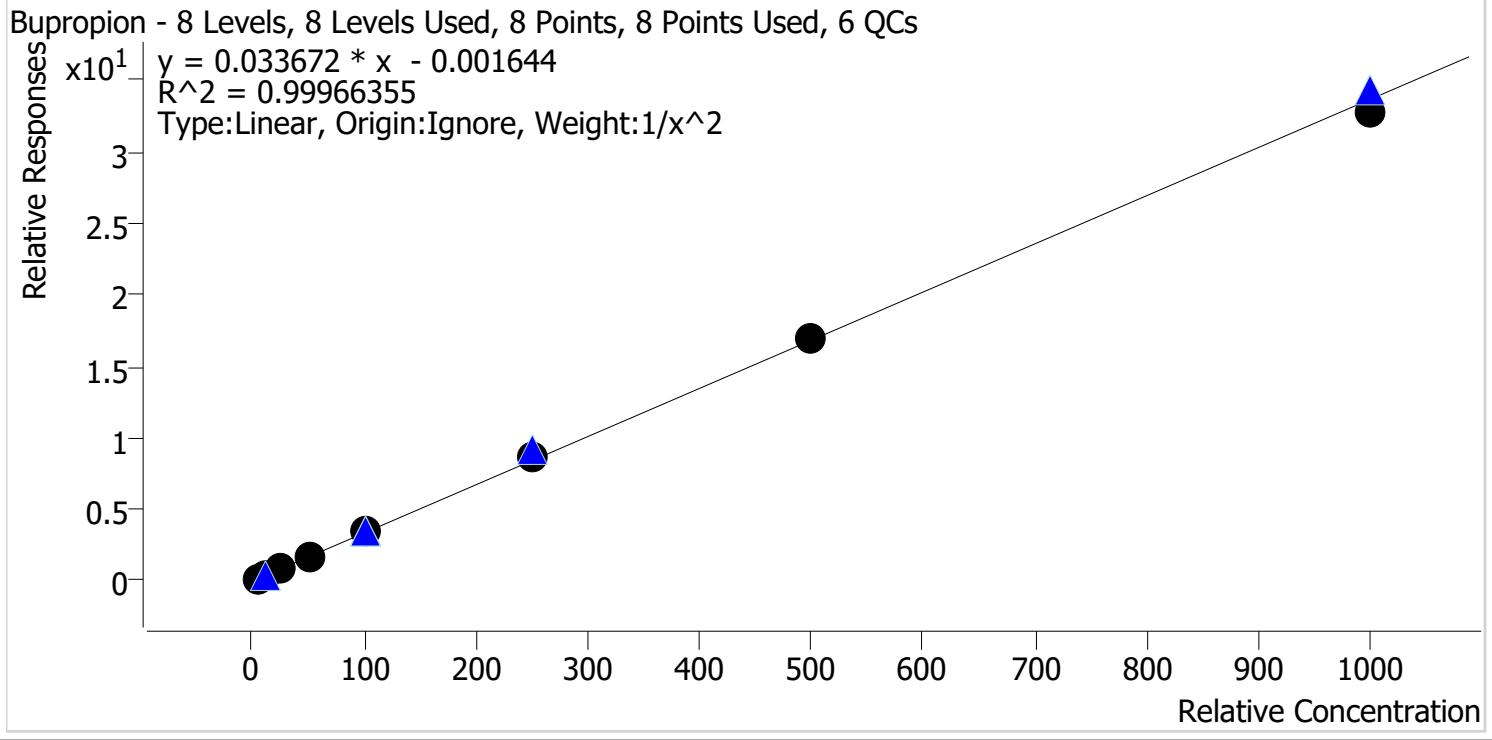
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	106.3
p1 Cal 2-10ng	2	✓	1.0	0.9	89.3
p1 Cal 3 -25ng_r	3	✓	2.5	2.4	97.8
p1 Cal 4-50ng_r	4	✓	5.0	4.7	94.4
p1 Cal 5-100ng	5	✓	10.0	9.8	97.9
p1 Cal 6-250ng	6	✓	25.0	25.5	102.0
p1 Cal 7-500ng	7	✓	50.0	56.2	112.3
p1 Cal 8-1000ng	8	✗	100.0	127.1	127.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



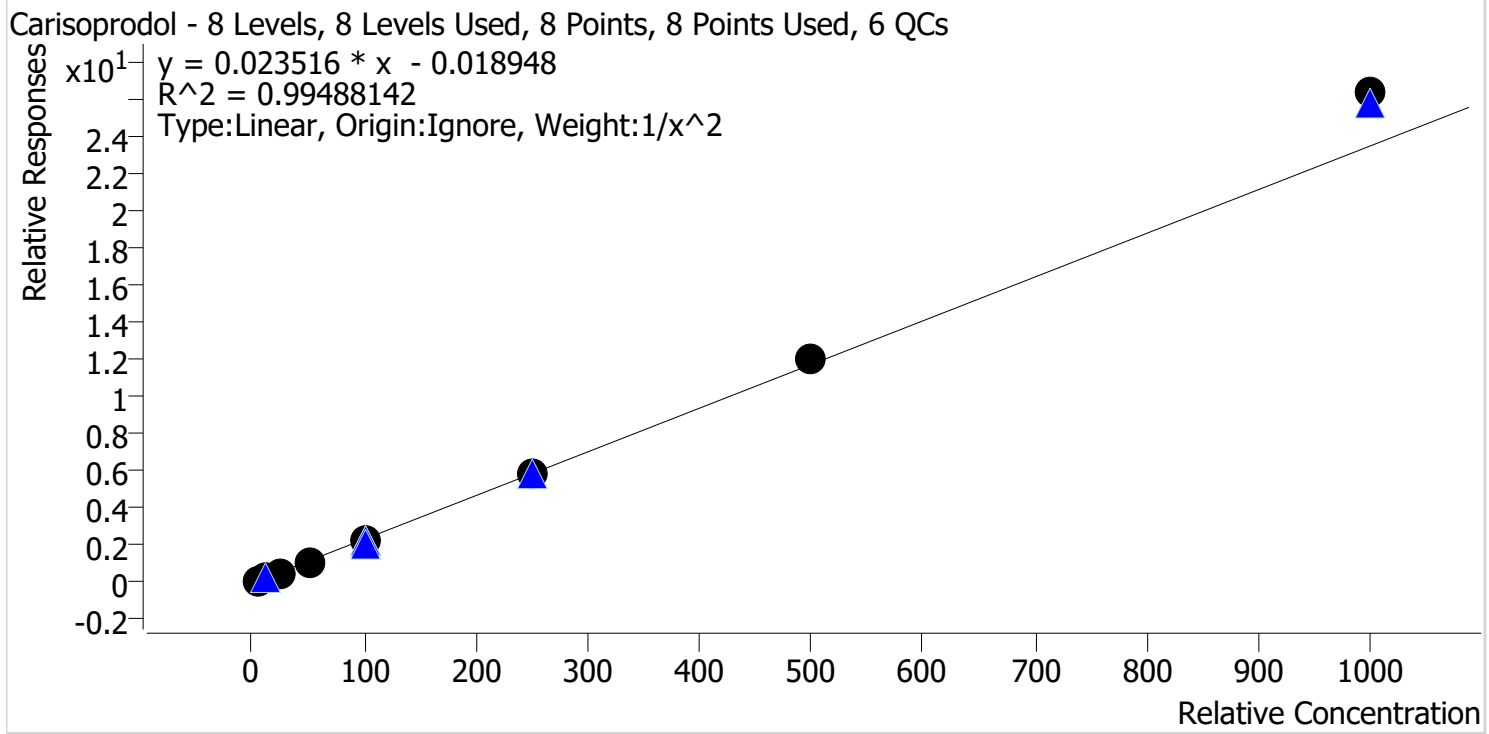
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng_r	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng_r	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	975.2	97.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3-25ng_r	3	✓	25.0	23.4	93.4
p1 Cal 4-50ng_r	4	✓	50.0	46.7	93.5
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1122.1	112.2

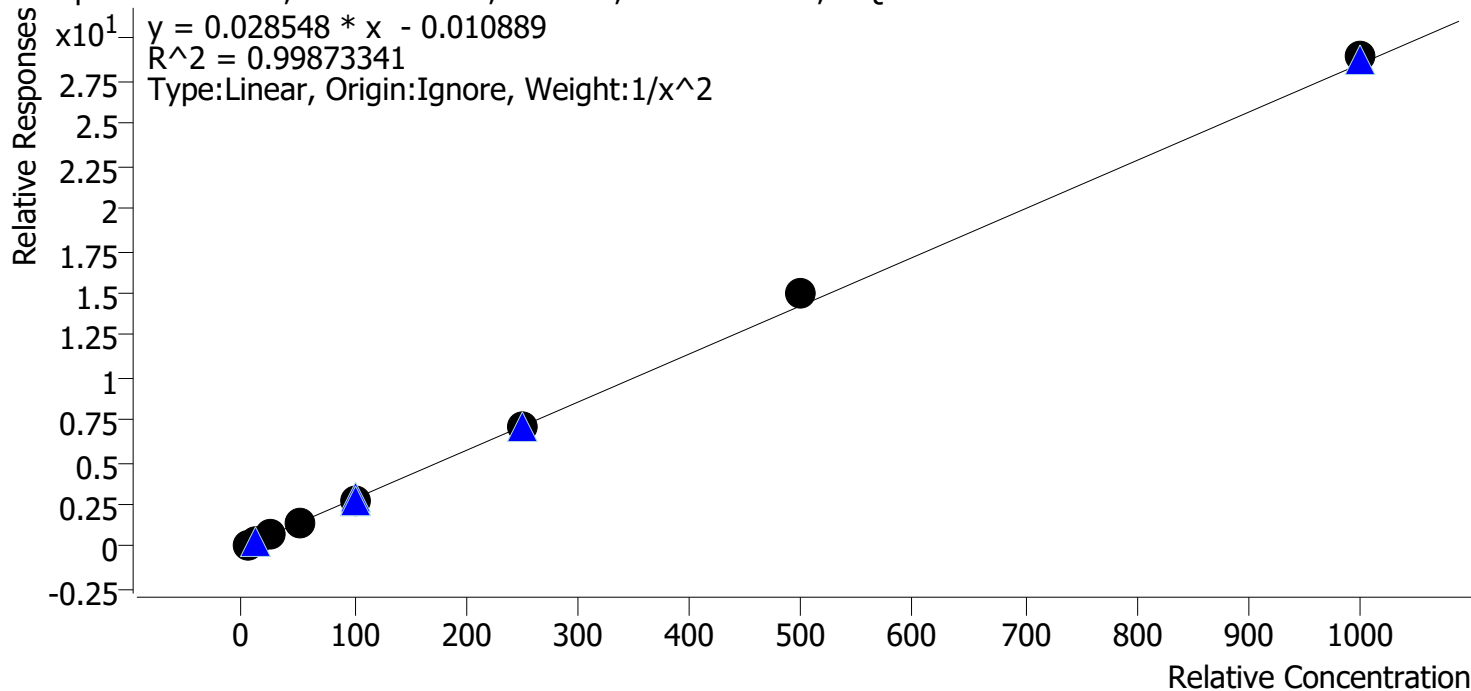
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



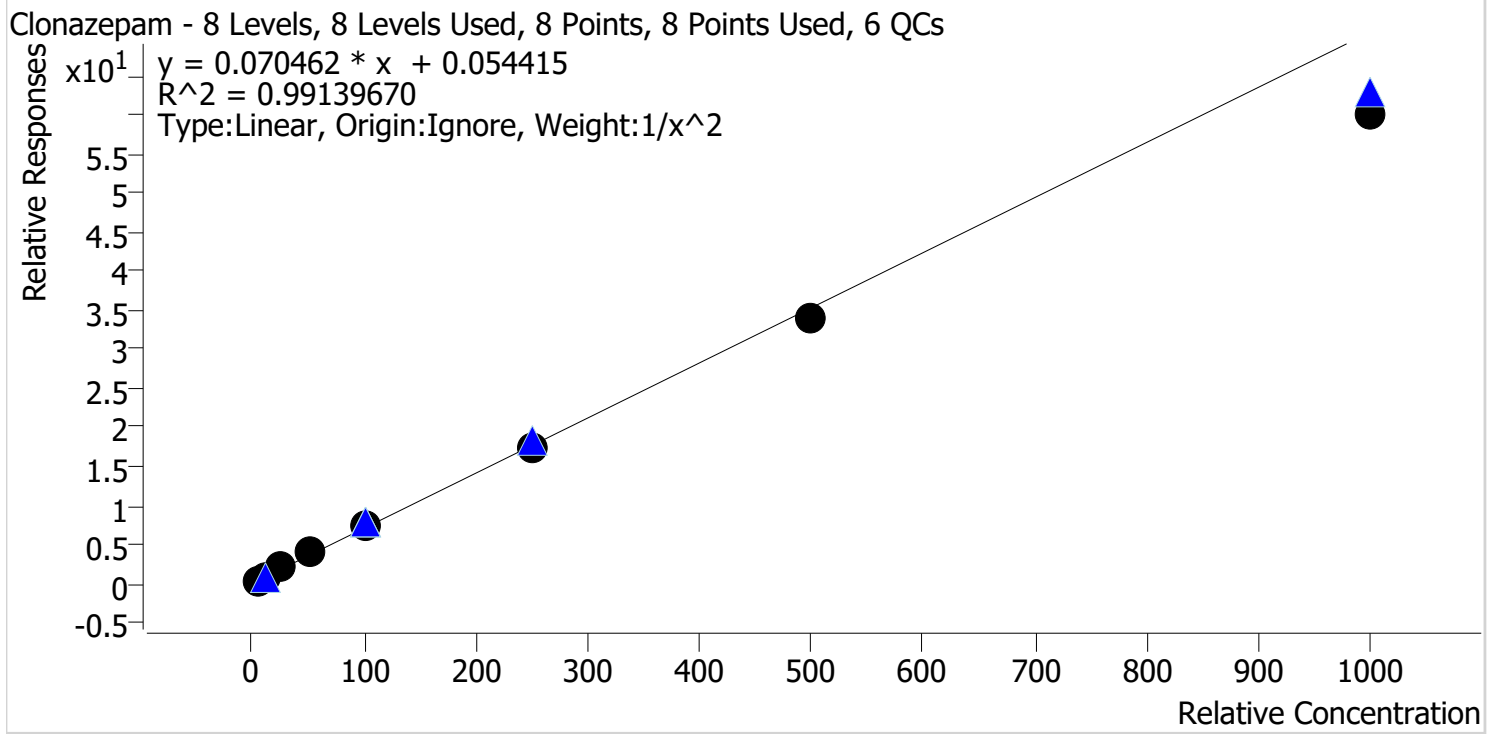
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng_r	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng_r	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	527.4	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1015.2	101.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.7	94.8
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng_r	3	✓	25.0	27.2	108.7
p1 Cal 4-50ng_r	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	242.9	97.1
p1 Cal 7-500ng	7	✓	500.0	483.9	96.8
p1 Cal 8-1000ng	8	✓	1000.0	851.2	85.1

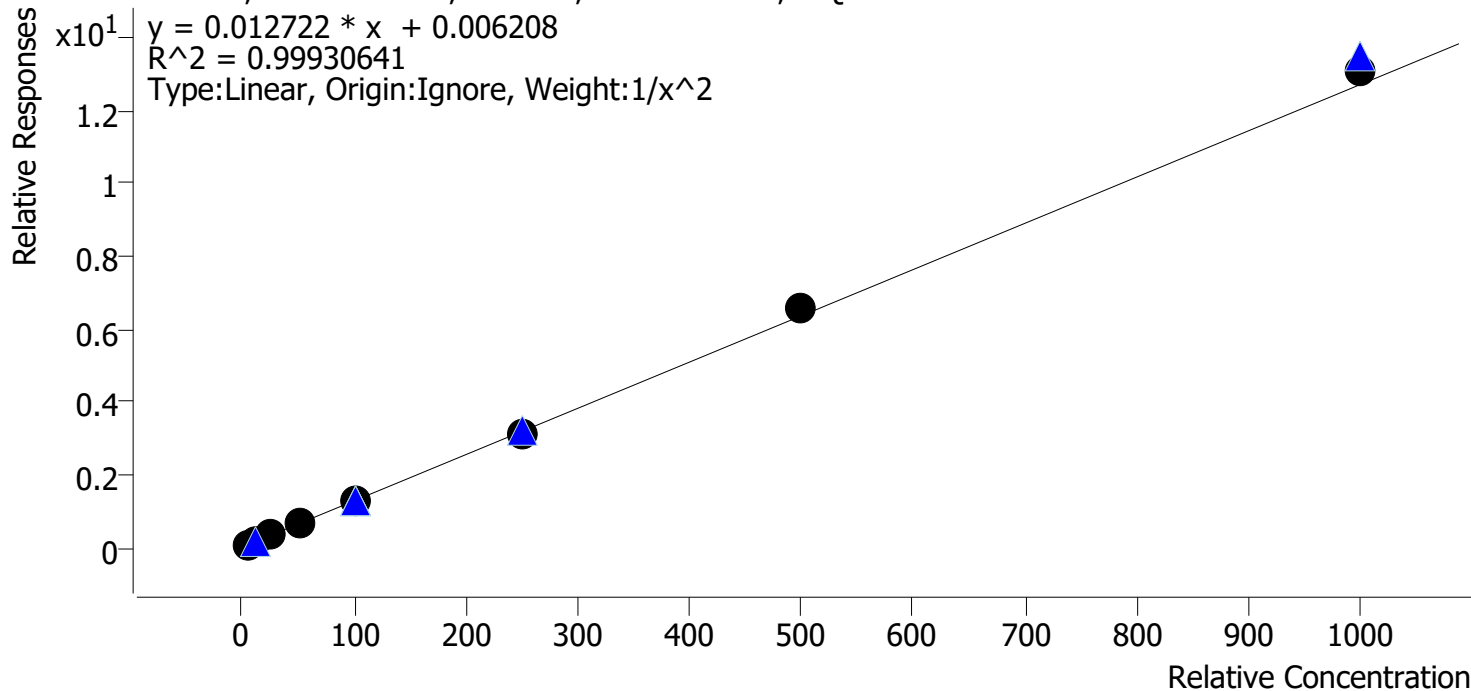
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng_r	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng_r	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	248.1	99.3
p1 Cal 7-500ng	7	✓	500.0	513.5	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1028.5	102.9

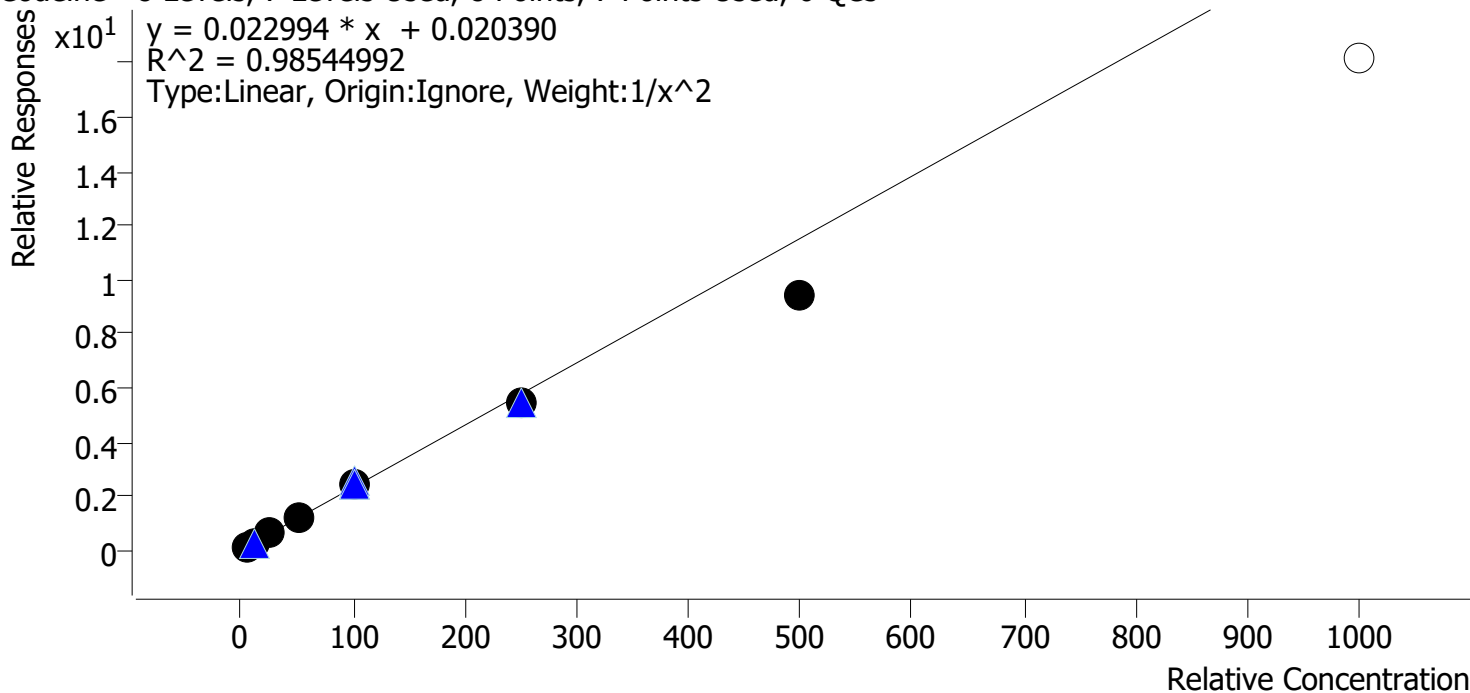
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

Codeine - 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	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng_r	3	✓	25.0	27.5	110.1
p1 Cal 4-50ng_r	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	238.3	95.3
p1 Cal 7-500ng	7	✓	500.0	406.3	81.3
p1 Cal 8-1000ng	8	✗	1000.0	788.7	78.9



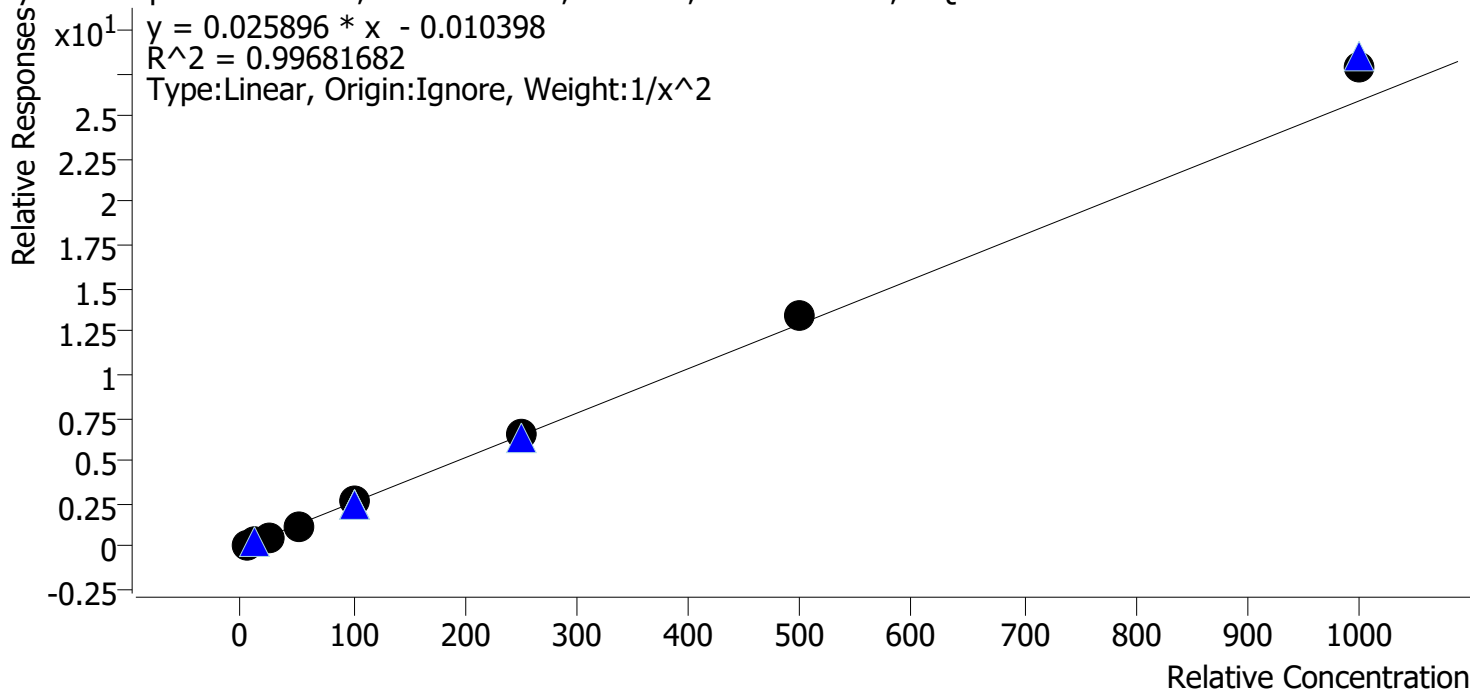
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng_r	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng_r	4	✓	50.0	47.1	94.1
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	521.5	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1072.1	107.2

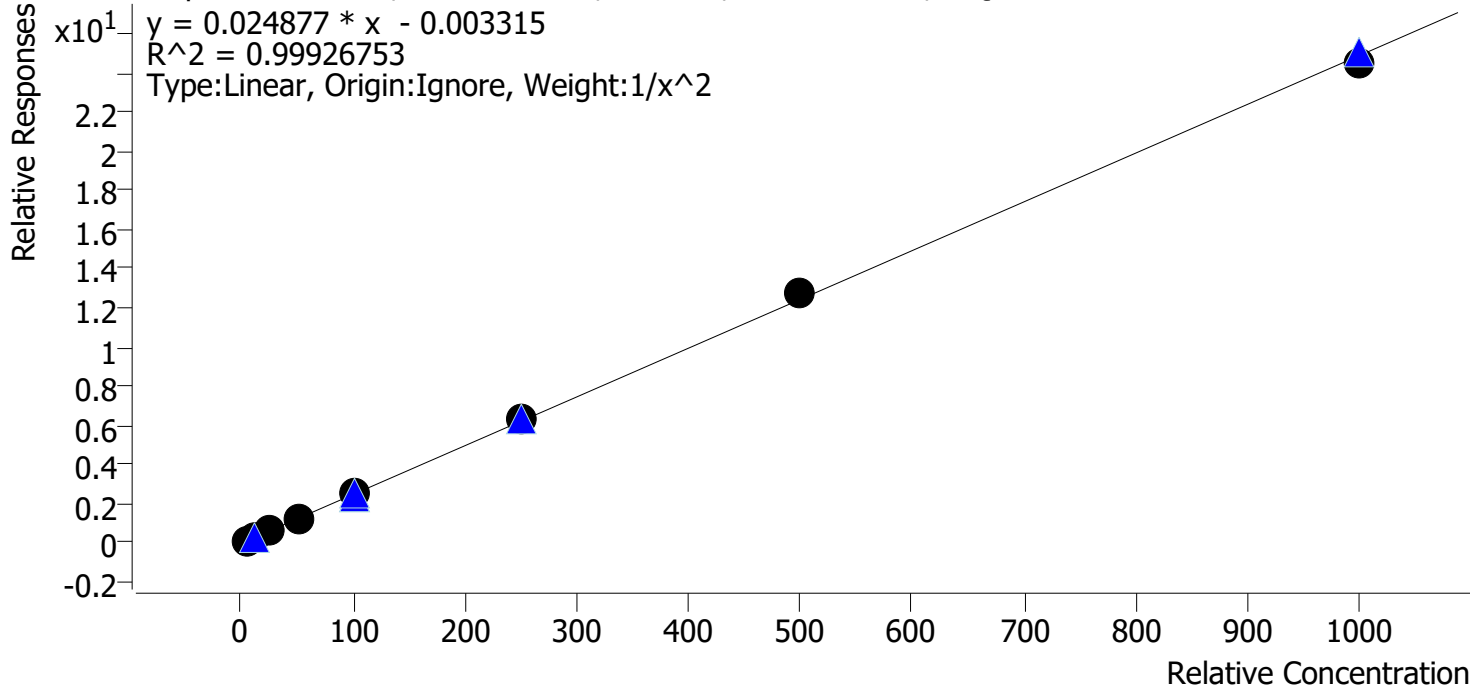
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



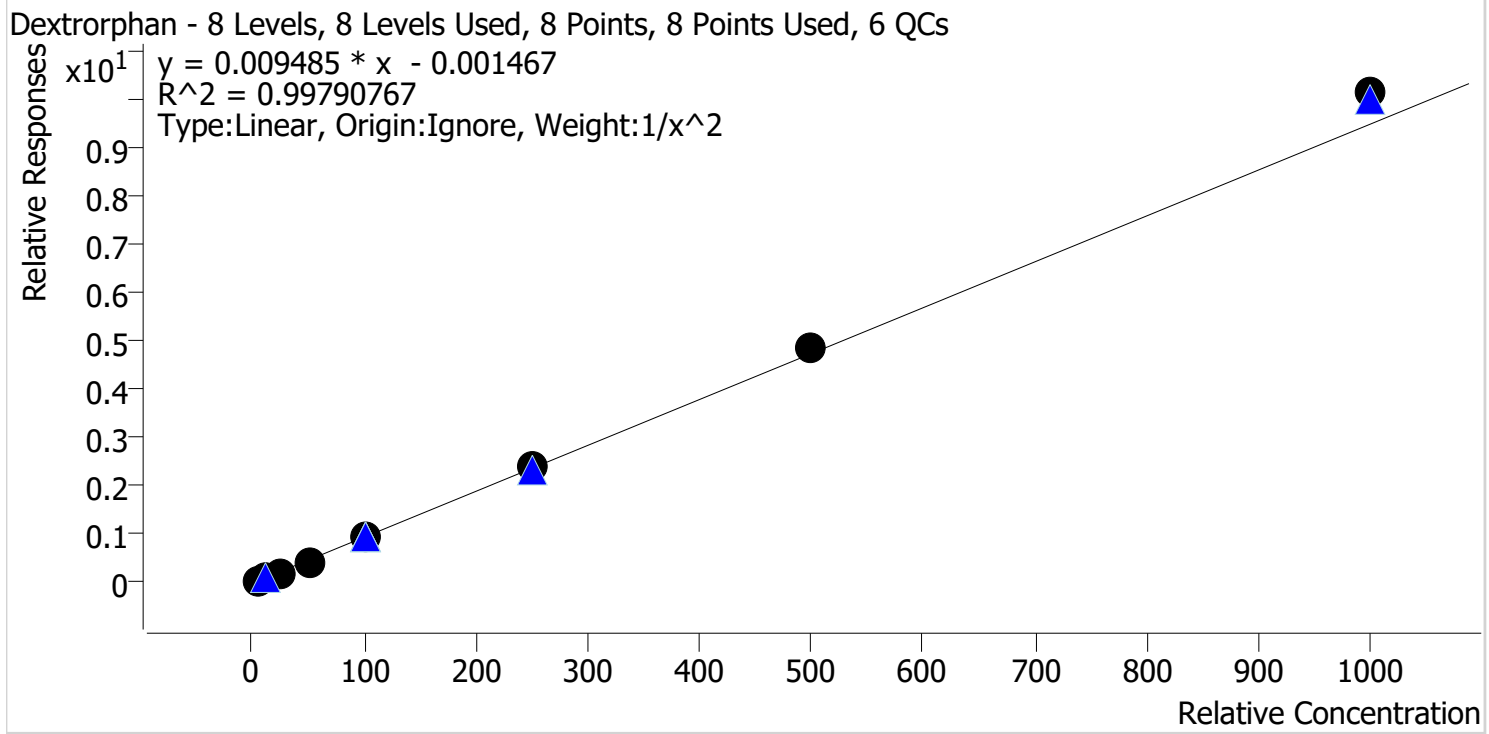
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3-25ng_r	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng_r	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	981.6	98.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrophan Internal Standard Dextrophan-D3



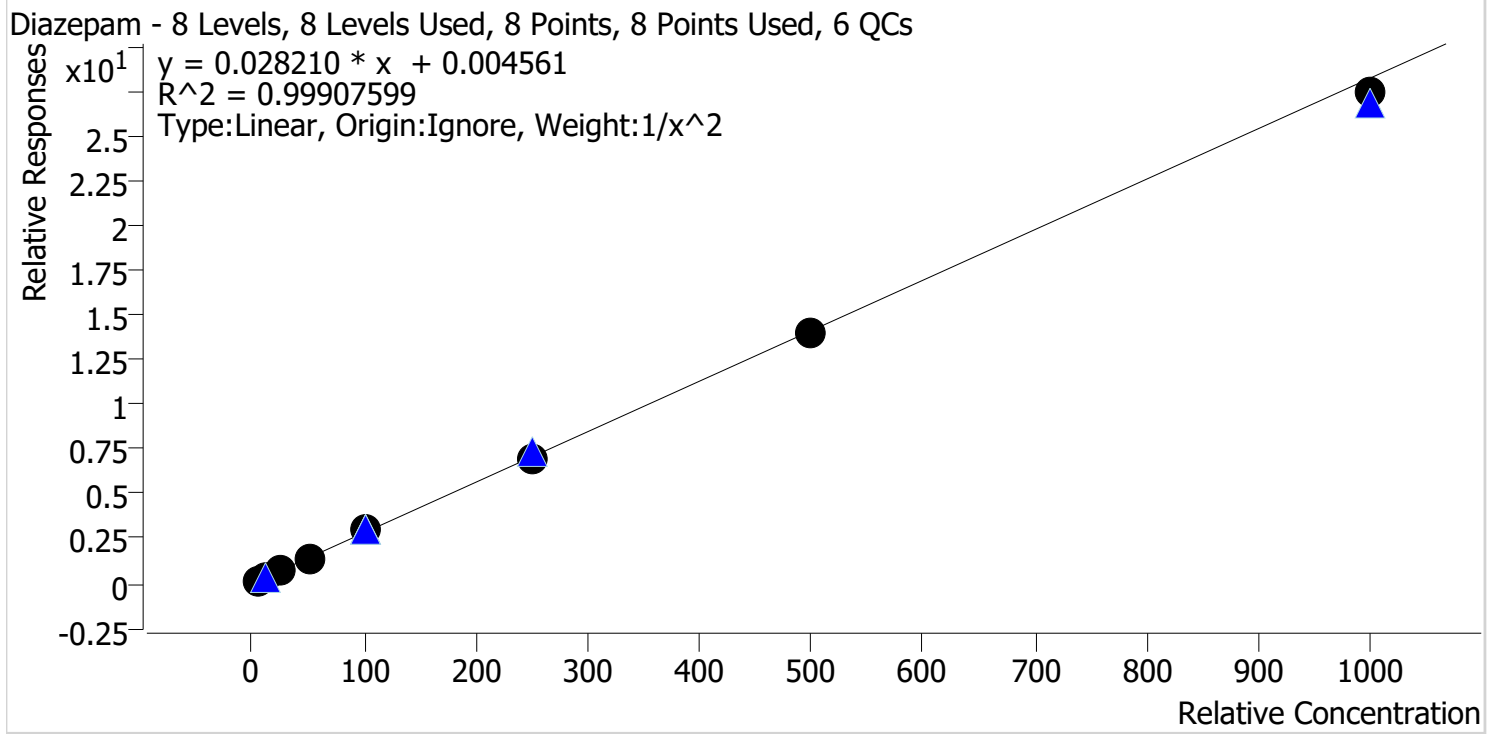
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng_r	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng_r	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	512.0	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1068.8	106.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng_r	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng_r	4	✓	50.0	48.3	96.7
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	971.4	97.1

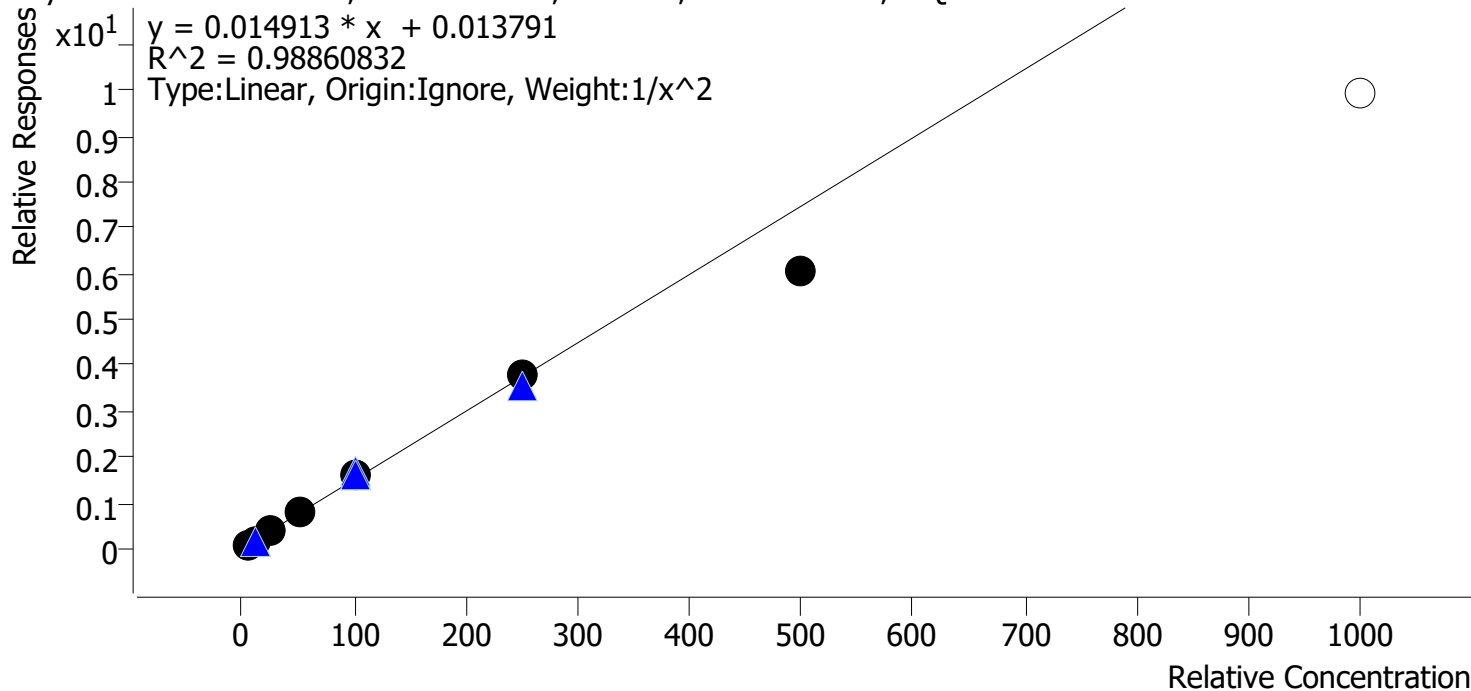
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng_r	3	✓	25.0	26.8	107.4
p1 Cal 4-50ng_r	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	406.4	81.3
p1 Cal 8-1000ng	8	✗	1000.0	663.0	66.3

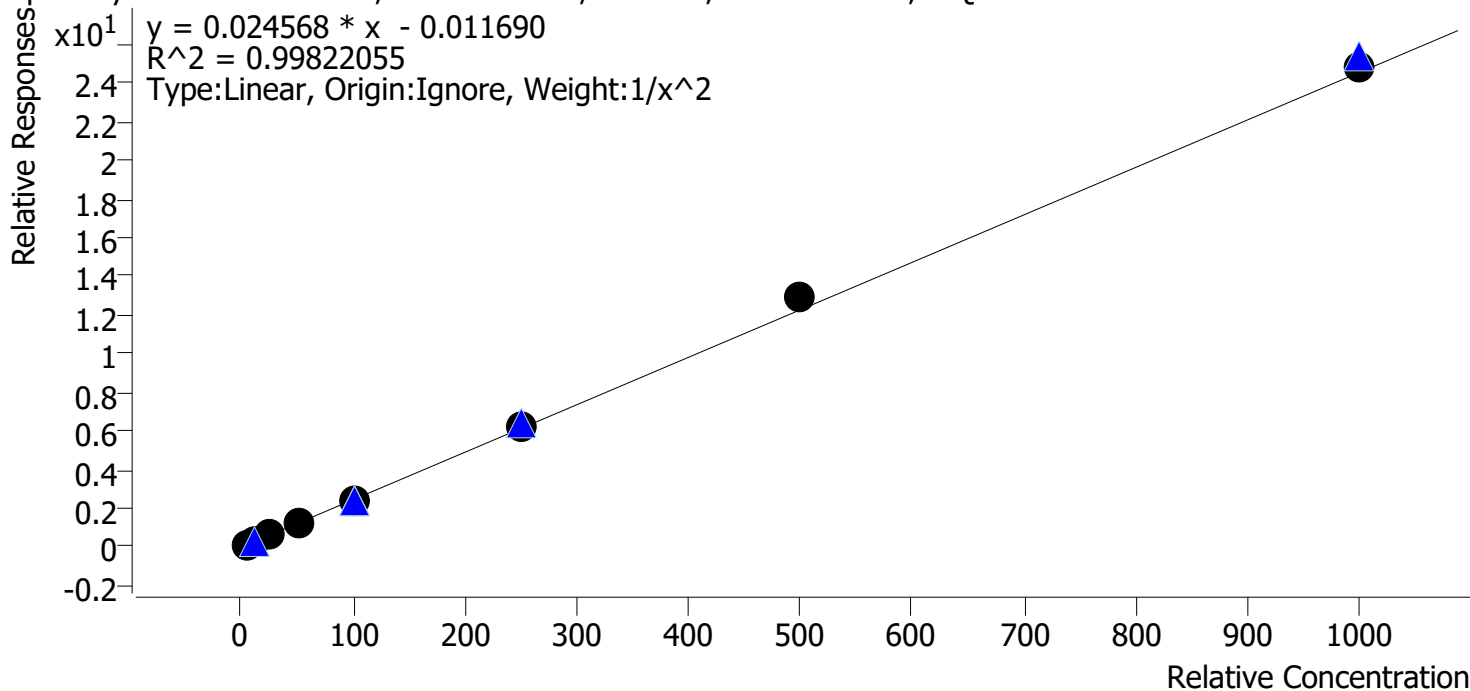
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng_r	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng_r	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	529.9	106.0
p1 Cal 8-1000ng	8	✓	1000.0	1013.2	101.3

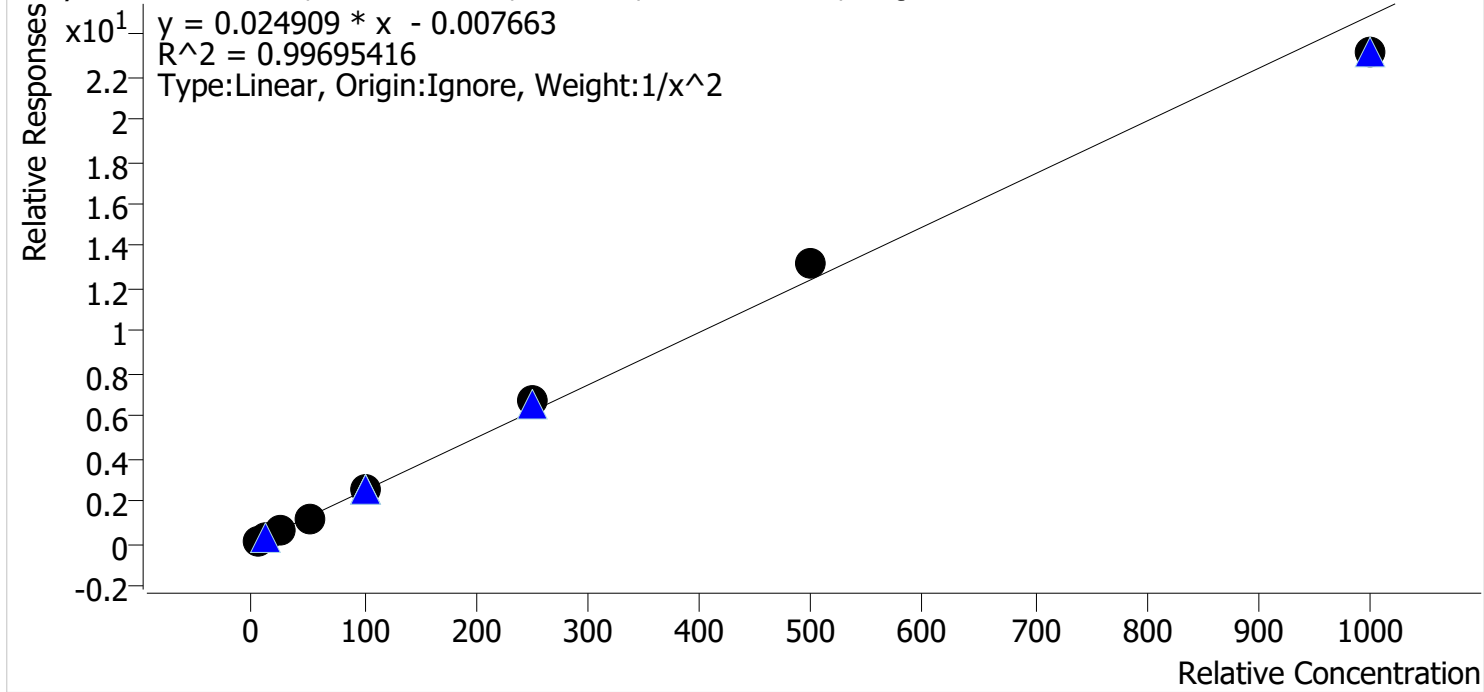
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

Doxylamine - 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	99.3
p1 Cal 3 -25ng_r	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng_r	4	✓	50.0	48.4	96.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	268.6	107.4
p1 Cal 7-500ng	7	✓	500.0	529.0	105.8
p1 Cal 8-1000ng	8	✓	1000.0	930.0	93.0

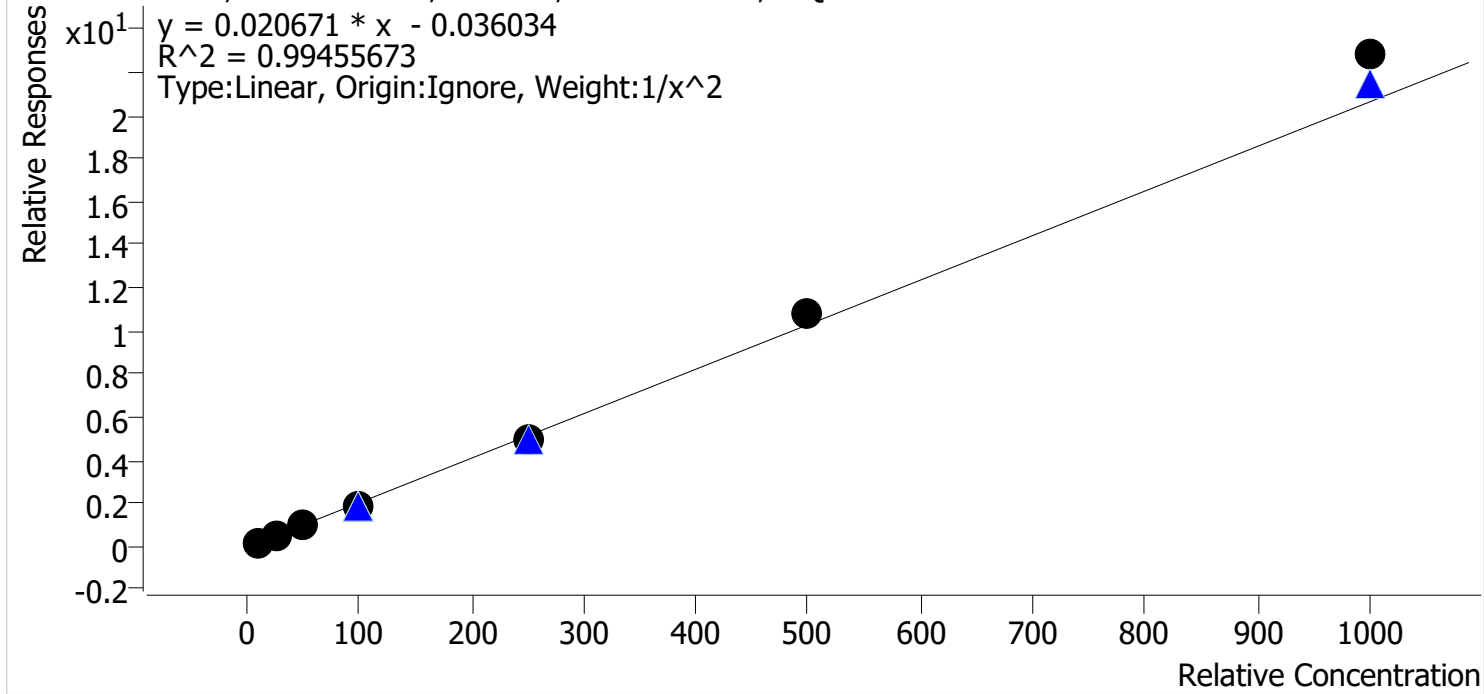
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

EDDP - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng_r	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng_r	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	93.7	93.7
p1 Cal 6-250ng	6	✓	250.0	245.1	98.1
p1 Cal 7-500ng	7	✓	500.0	522.4	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1105.7	110.6

Compound not evaluated.



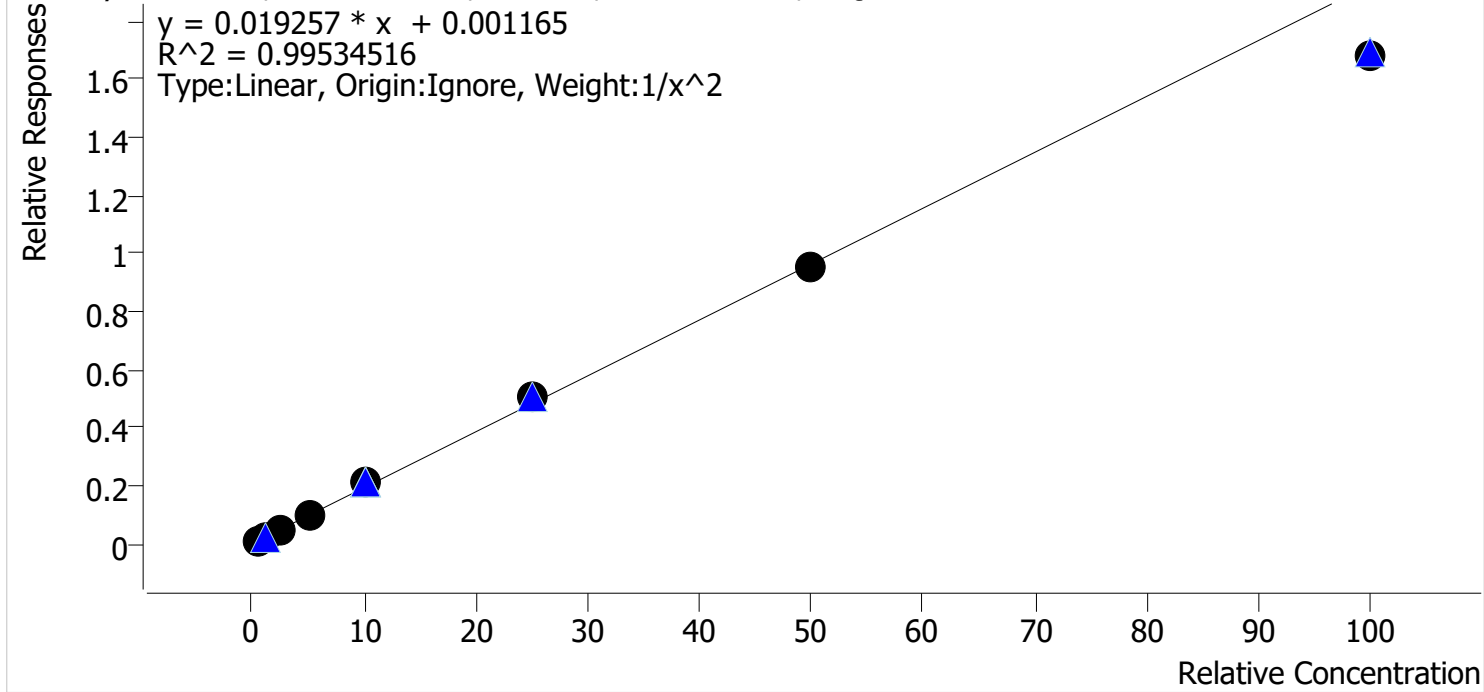
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 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	99.1
p1 Cal 2-10ng	2	✓	1.0	1.0	99.9
p1 Cal 3 -25ng_r	3	✓	2.5	2.6	102.9
p1 Cal 4-50ng_r	4	✓	5.0	5.0	99.9
p1 Cal 5-100ng	5	✓	10.0	10.7	106.7
p1 Cal 6-250ng	6	✓	25.0	26.3	105.2
p1 Cal 7-500ng	7	✓	50.0	49.5	99.0
p1 Cal 8-1000ng	8	✓	100.0	87.2	87.2

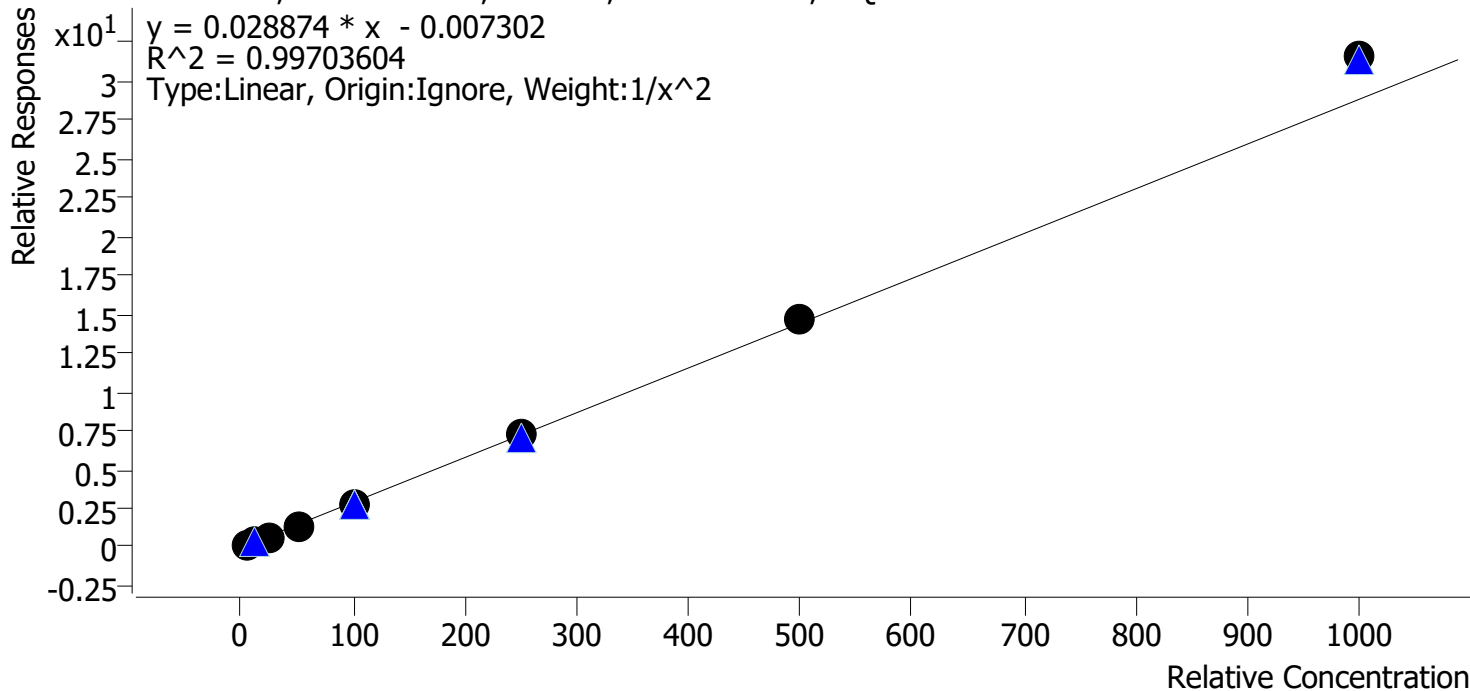
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng_r	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng_r	4	✓	50.0	47.0	94.0
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1095.4	109.5

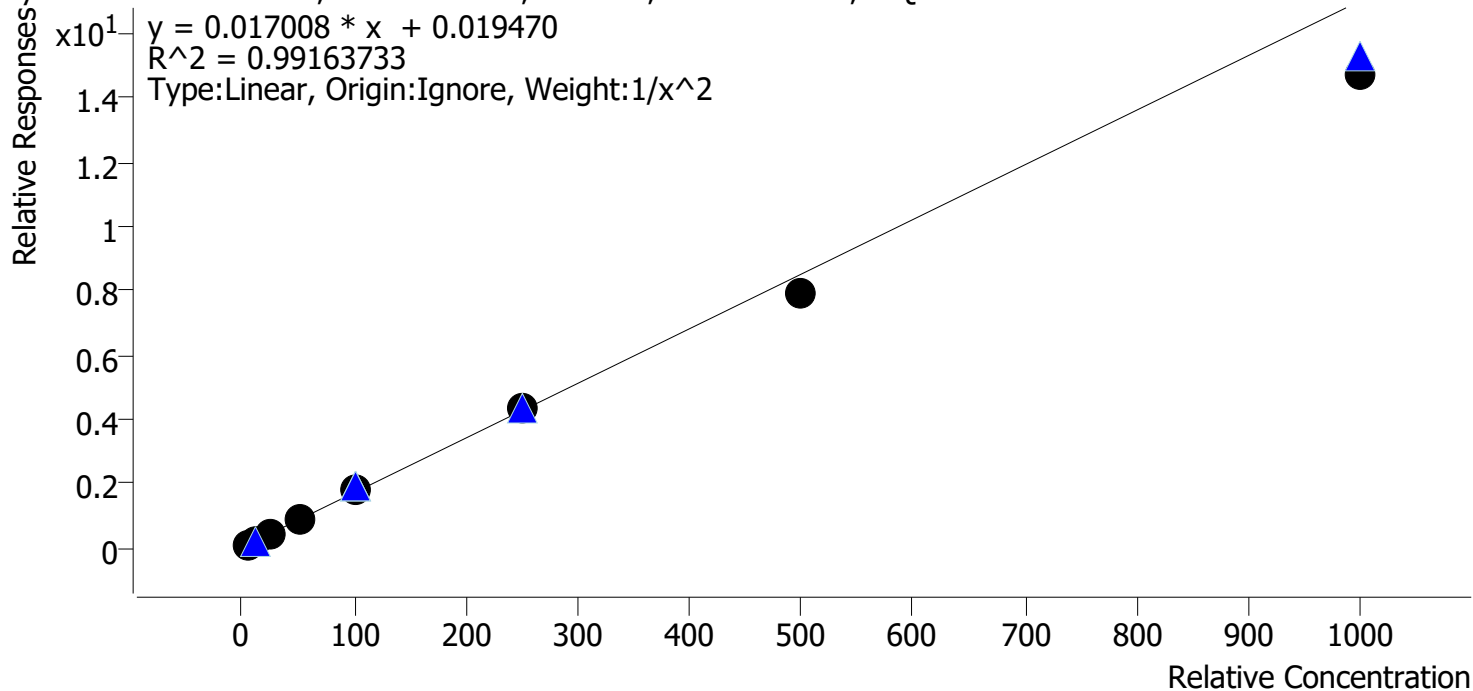
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.7	94.6
p1 Cal 2-10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng_r	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng_r	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	462.7	92.5
p1 Cal 8-1000ng	8	✓	1000.0	862.7	86.3

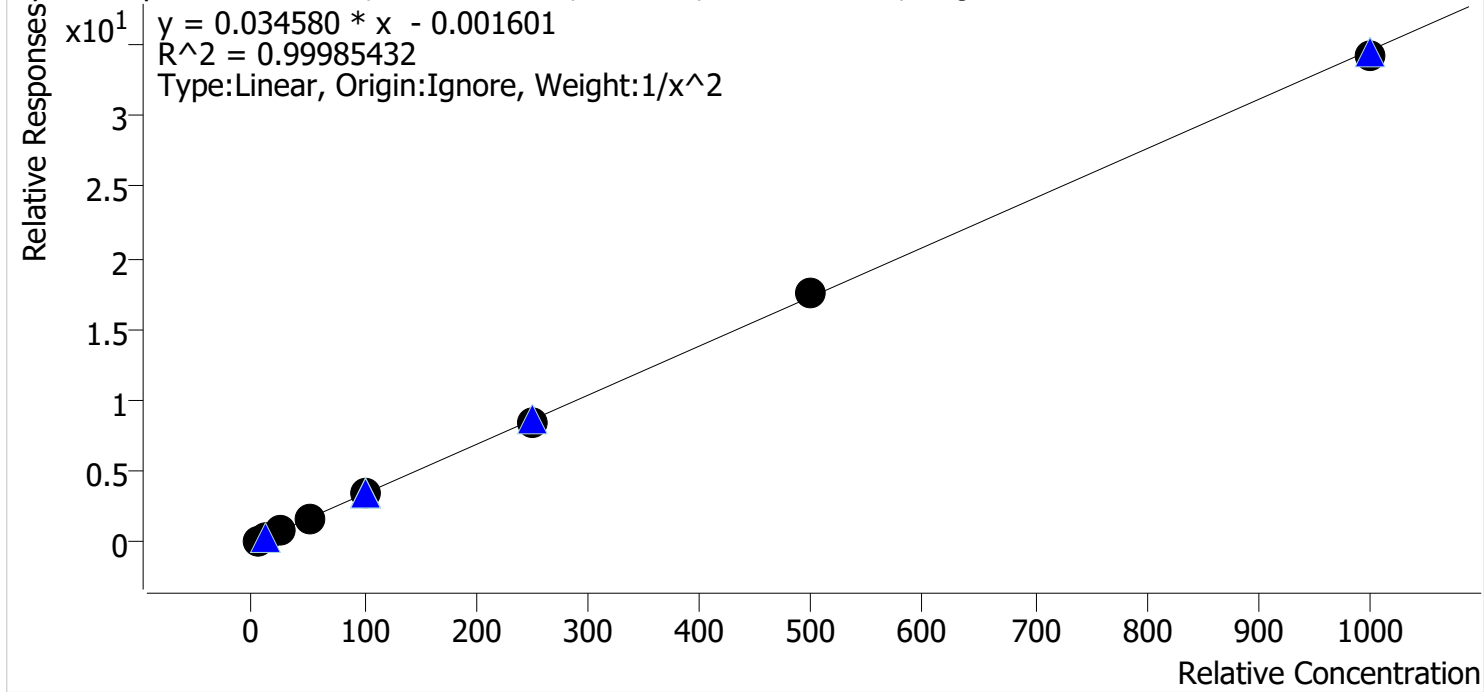
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



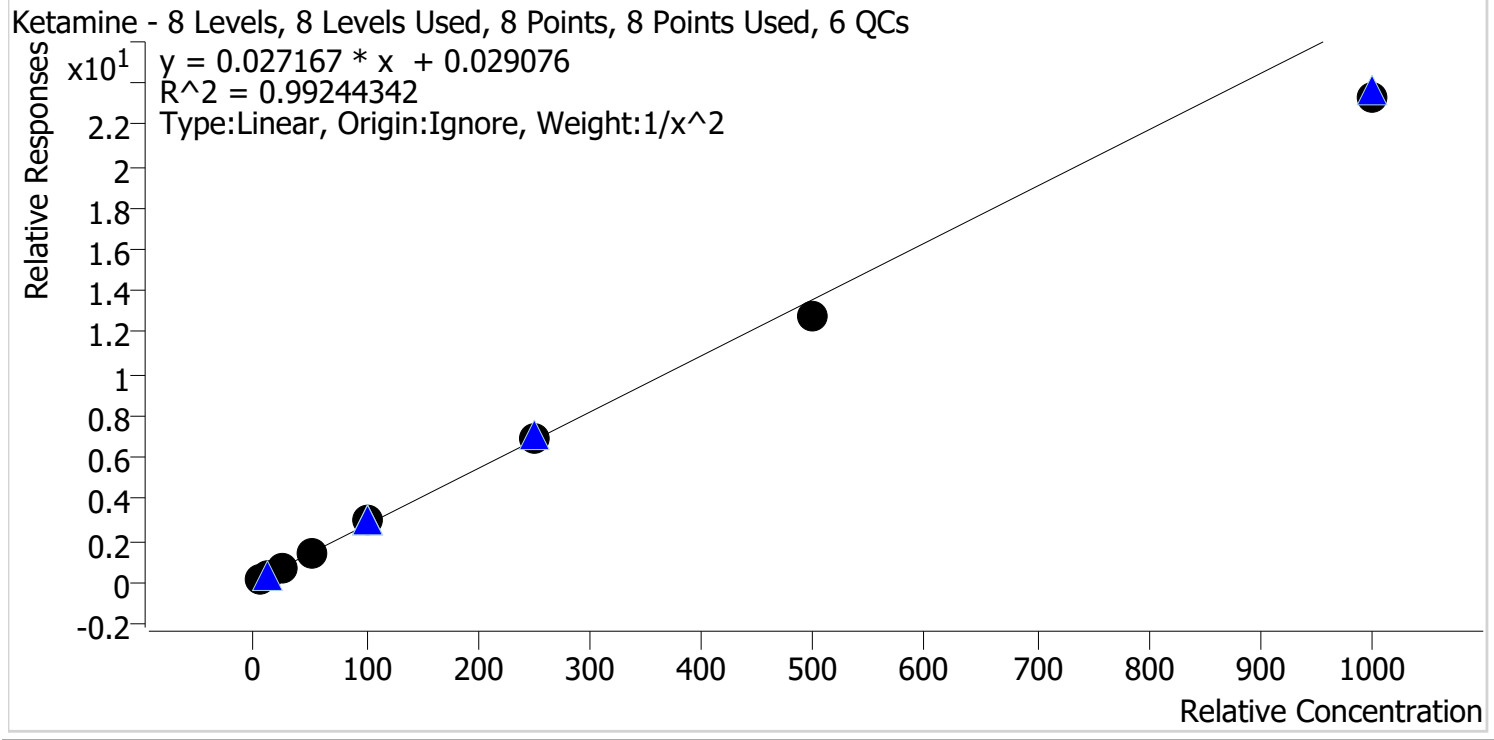
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3-25ng_r	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng_r	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	506.4	101.3
p1 Cal 8-1000ng	8	✓	1000.0	990.5	99.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



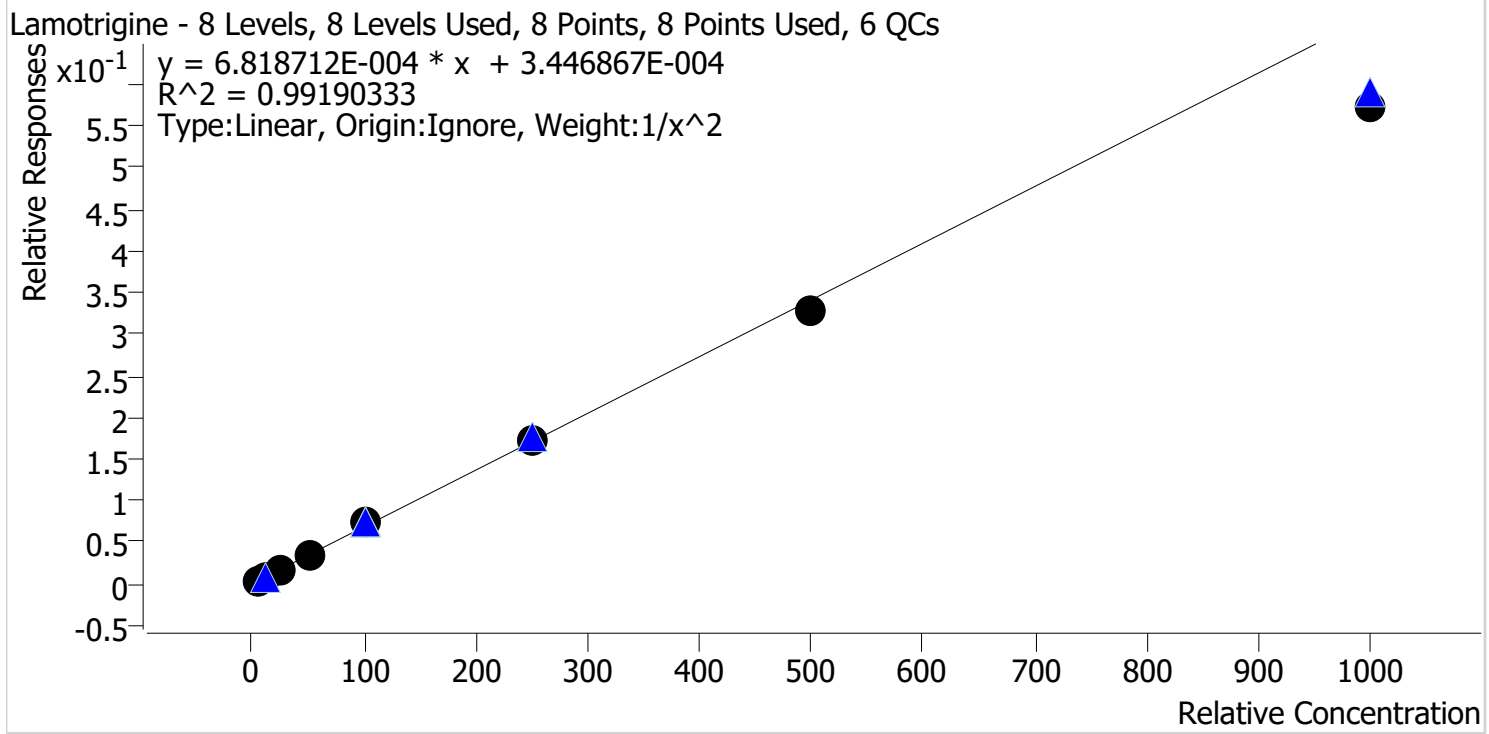
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng_r	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng_r	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	108.4	108.4
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	467.1	93.4
p1 Cal 8-1000ng	8	✓	1000.0	857.3	85.7

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng_r	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng_r	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	110.3	110.3
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	481.9	96.4
p1 Cal 8-1000ng	8	✓	1000.0	843.6	84.4

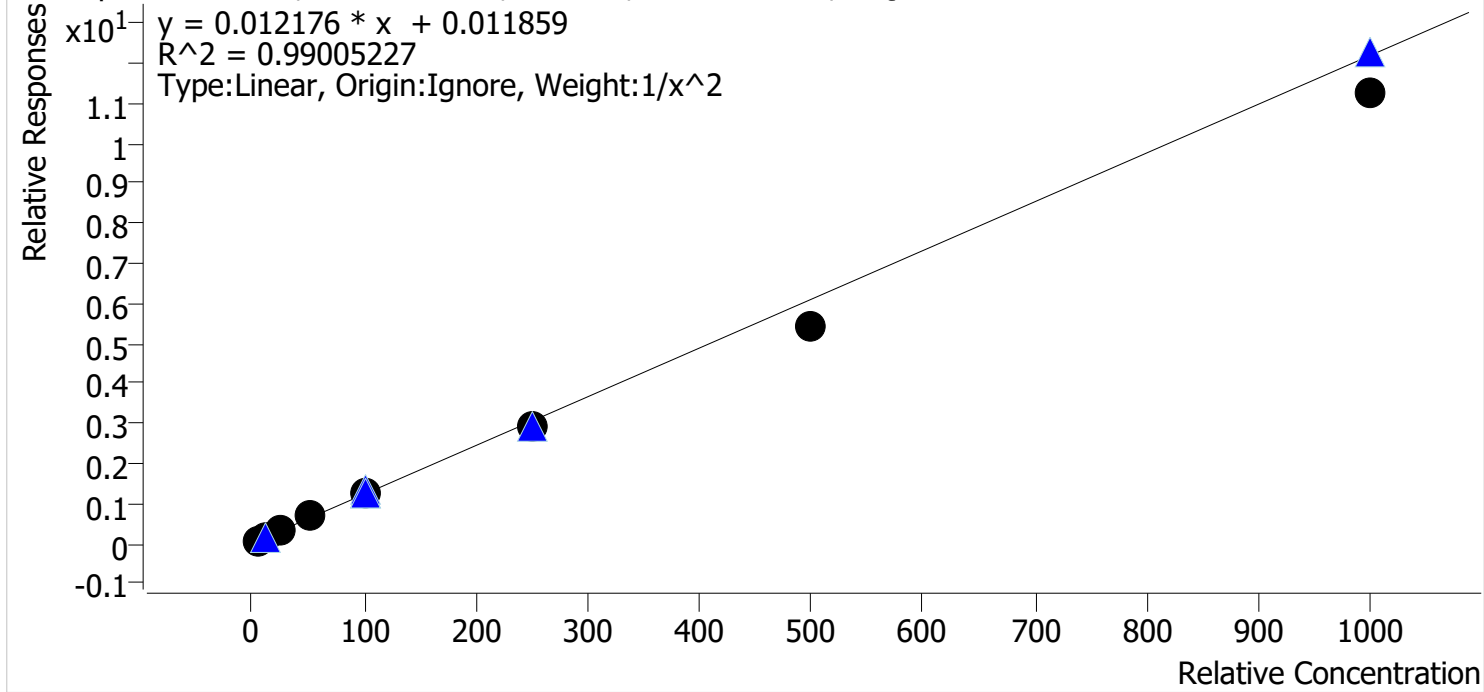
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	93.6
p1 Cal 2-10ng	2	✓	10.0	10.6	106.4
p1 Cal 3 -25ng_r	3	✓	25.0	28.1	112.3
p1 Cal 4-50ng_r	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	237.9	95.2
p1 Cal 7-500ng	7	✓	500.0	442.0	88.4
p1 Cal 8-1000ng	8	✓	1000.0	921.0	92.1

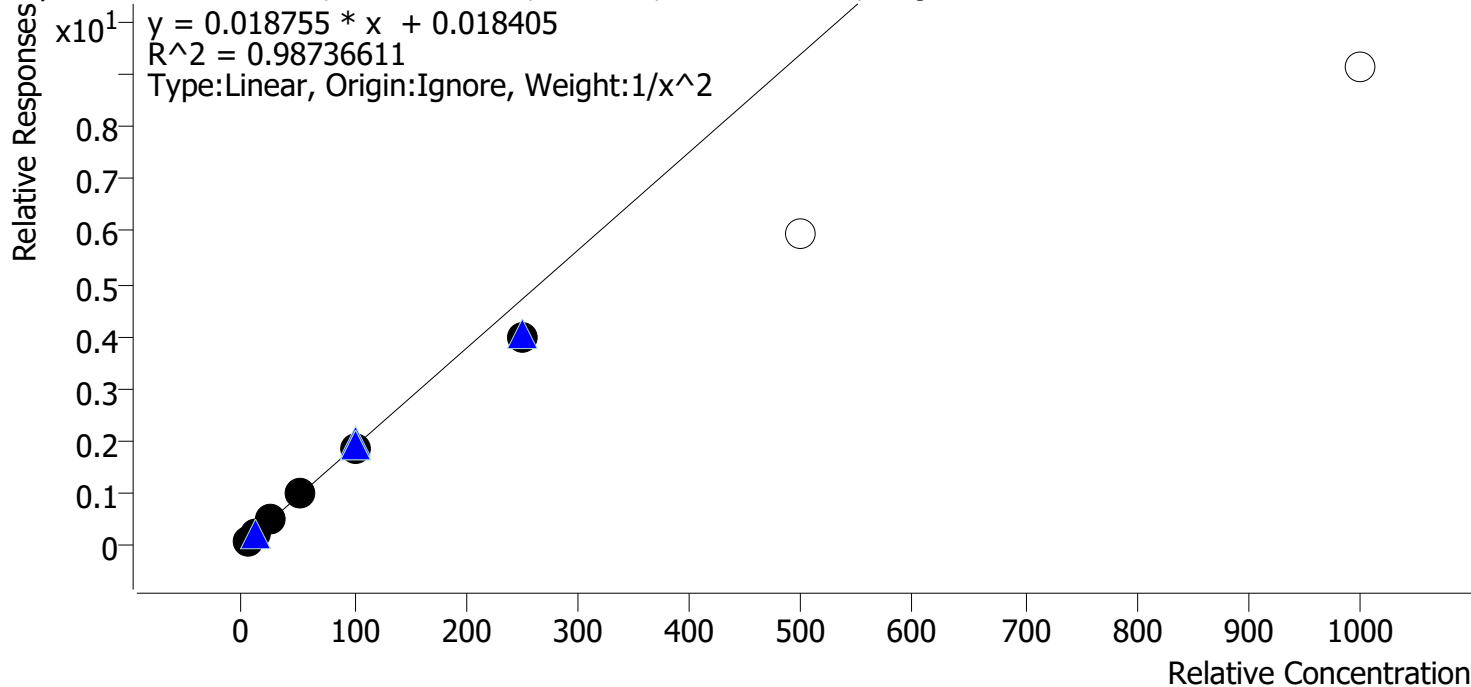
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

Meprobamate - 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	4.7	94.7
p1 Cal 2-10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng_r	3	✓	25.0	27.6	110.5
p1 Cal 4-50ng_r	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	212.7	85.1
p1 Cal 7-500ng	7	x	500.0	316.5	63.3
p1 Cal 8-1000ng	8	x	1000.0	487.5	48.7



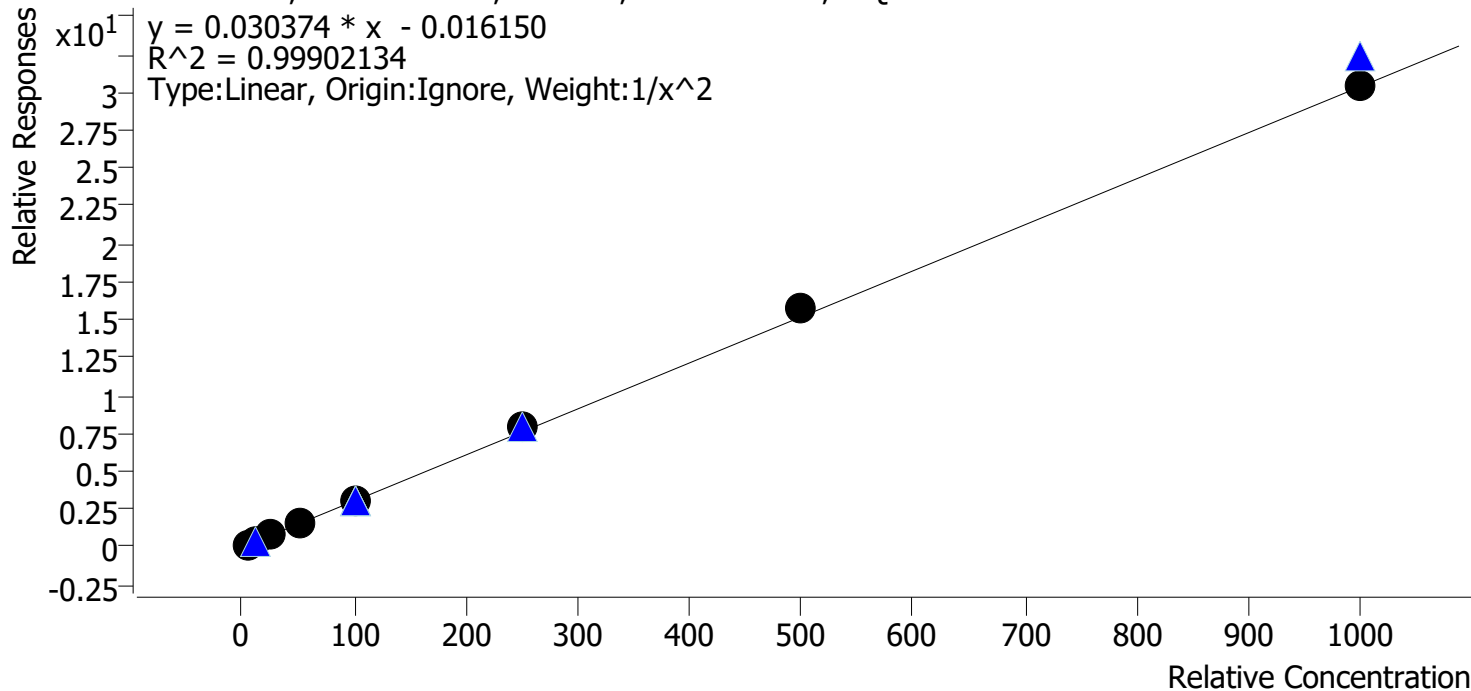
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



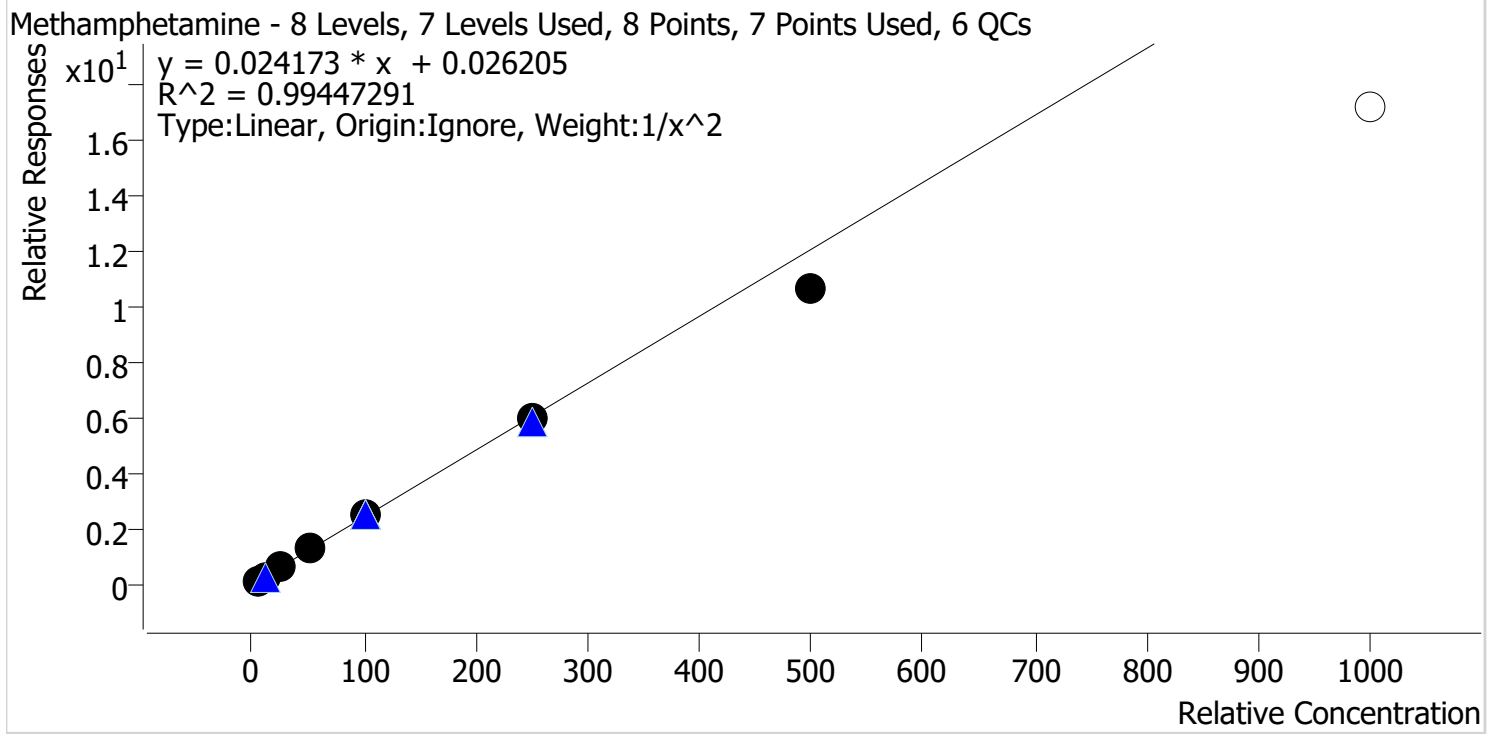
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3-25ng_r	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng_r	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	519.9	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1003.5	100.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	97.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng_r	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng_r	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	438.9	87.8
p1 Cal 8-1000ng	8	✗	1000.0	711.0	71.1

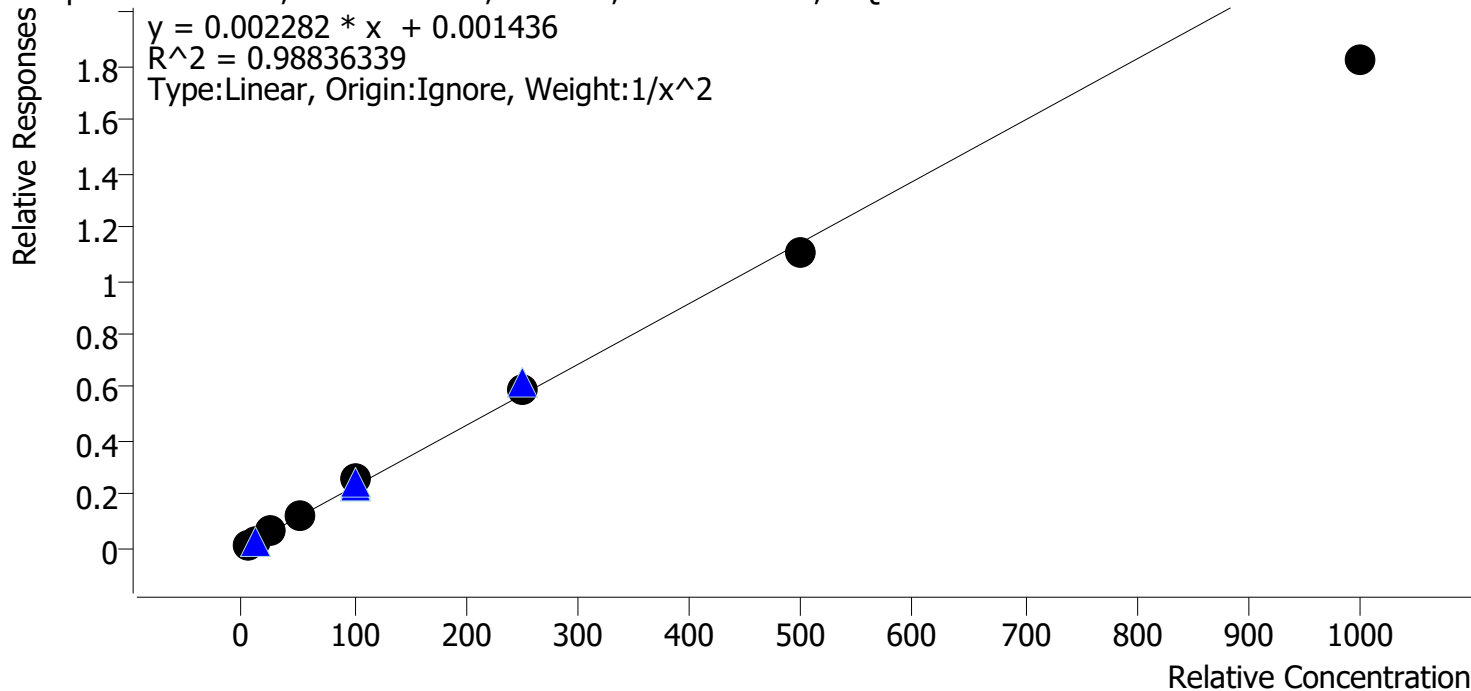
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

Metoprolol - 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	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng_r	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng_r	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	111.1	111.1
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	484.2	96.8
p1 Cal 8-1000ng	8	✓	1000.0	801.7	80.2

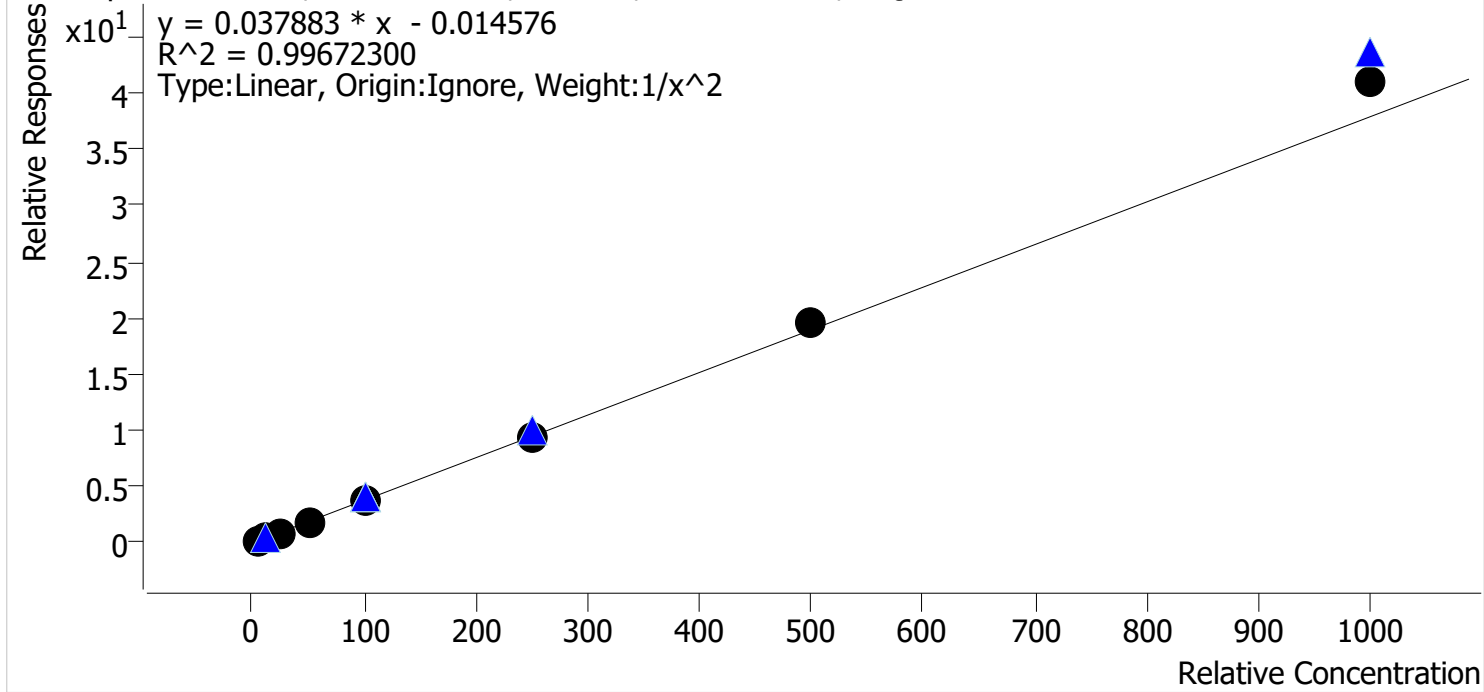
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8

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



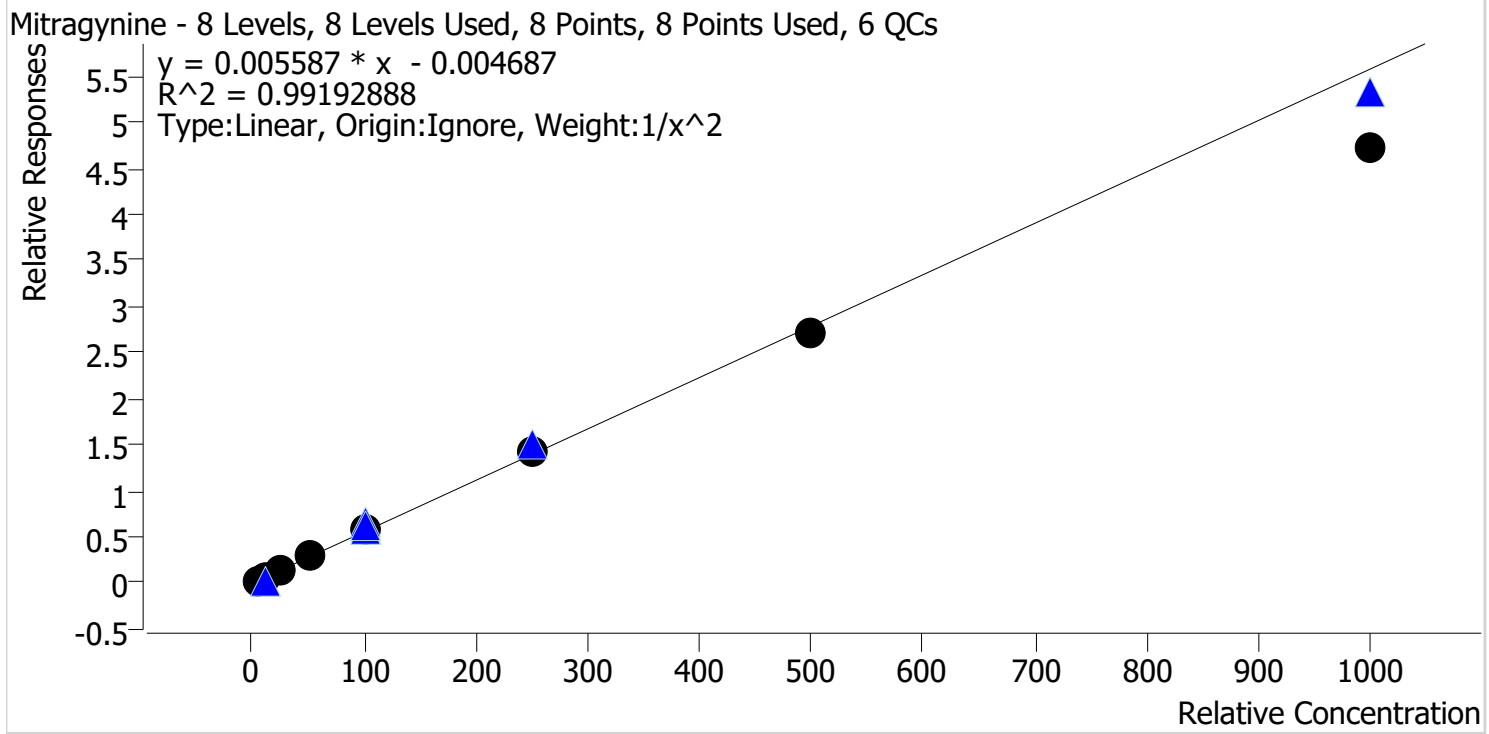
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3-25ng_r	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng_r	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	518.1	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1086.4	108.6

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



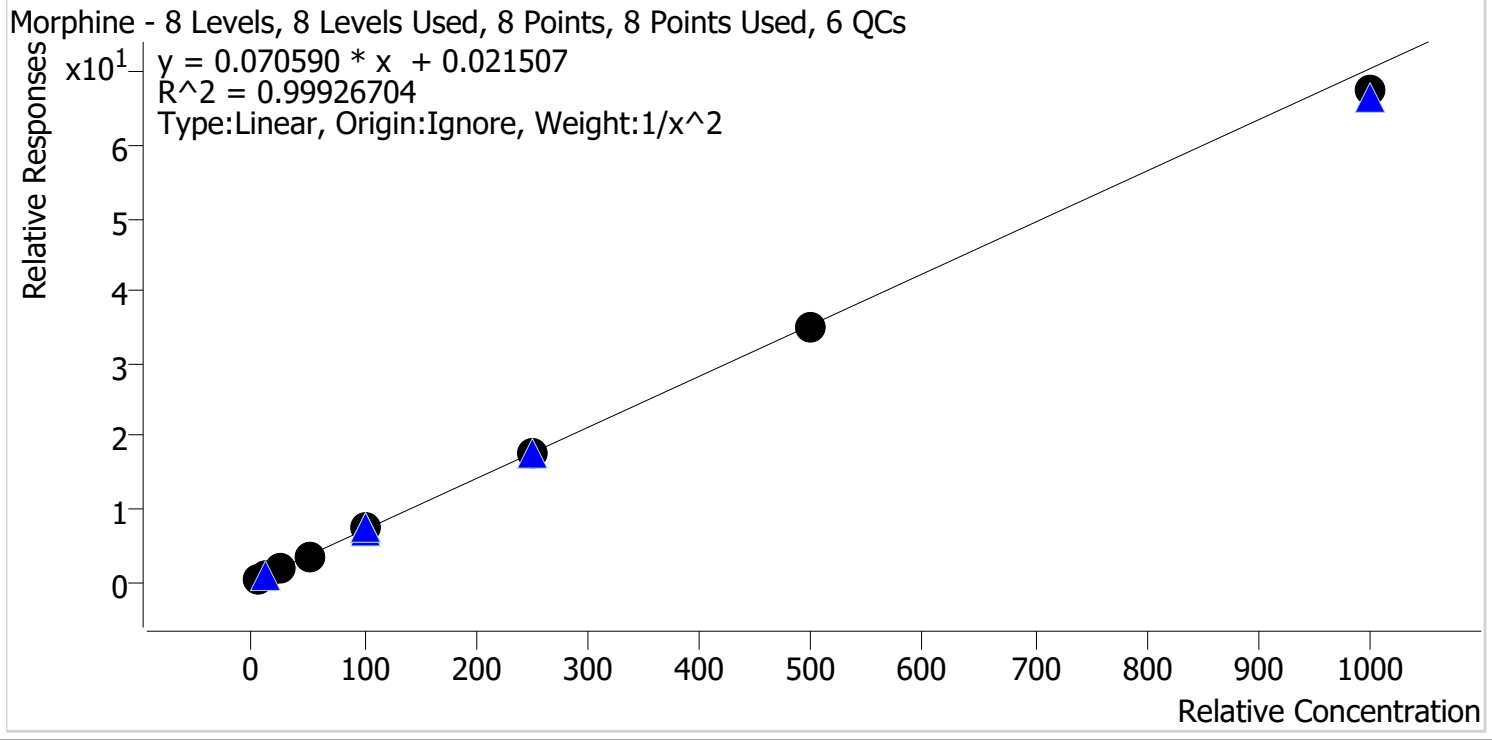
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.2
p1 Cal 2-10ng	2	✓	10.0	10.9	108.7
p1 Cal 3-25ng_r	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng_r	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	487.1	97.4
p1 Cal 8-1000ng	8	✓	1000.0	843.7	84.4

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng_r	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng_r	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	497.0	99.4
p1 Cal 8-1000ng	8	✓	1000.0	957.1	95.7

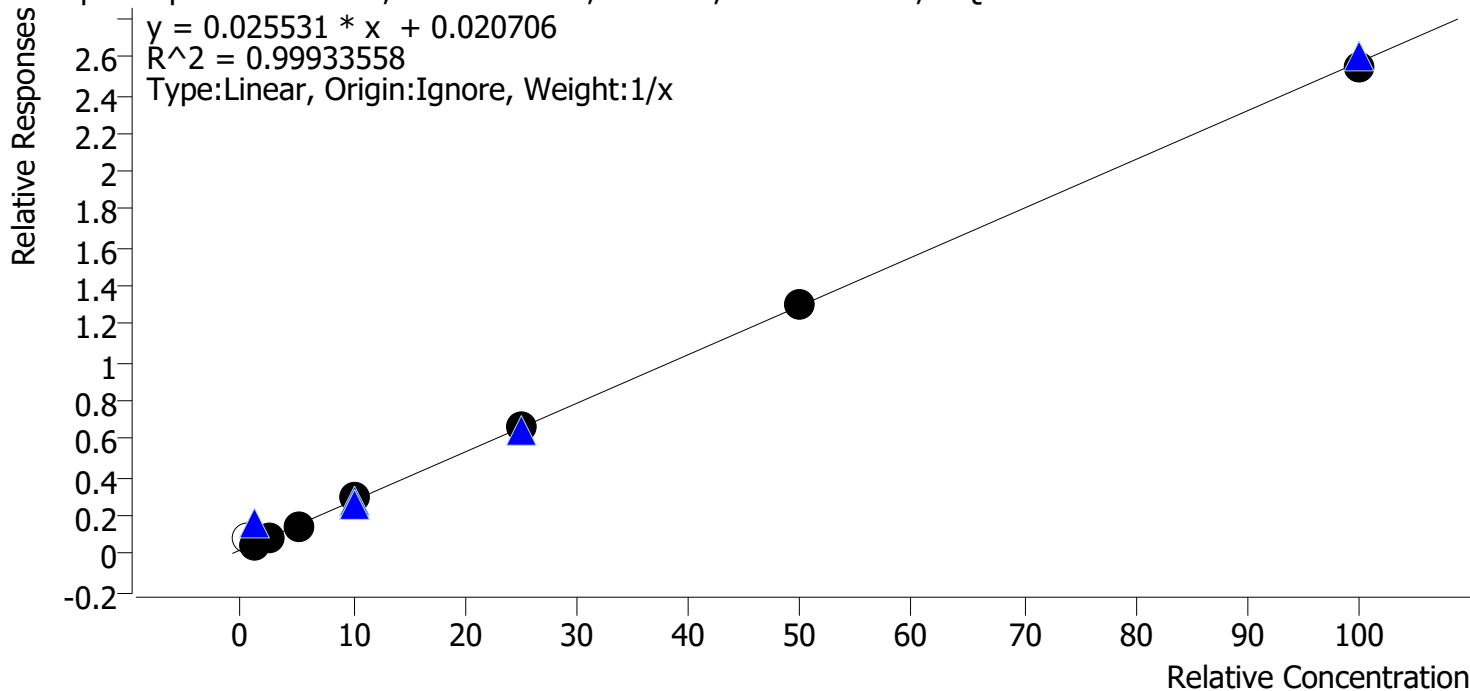
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 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	x	0.5	2.1	428.1
p1 Cal 2-10ng	2	✓	1.0	1.0	99.0
p1 Cal 3 -25ng_r	3	✓	2.5	2.6	103.2
p1 Cal 4-50ng_r	4	✓	5.0	4.5	90.4
p1 Cal 5-100ng	5	✓	10.0	10.7	106.9
p1 Cal 6-250ng	6	✓	25.0	25.1	100.4
p1 Cal 7-500ng	7	✓	50.0	50.5	101.0
p1 Cal 8-1000ng	8	✓	100.0	99.1	99.1

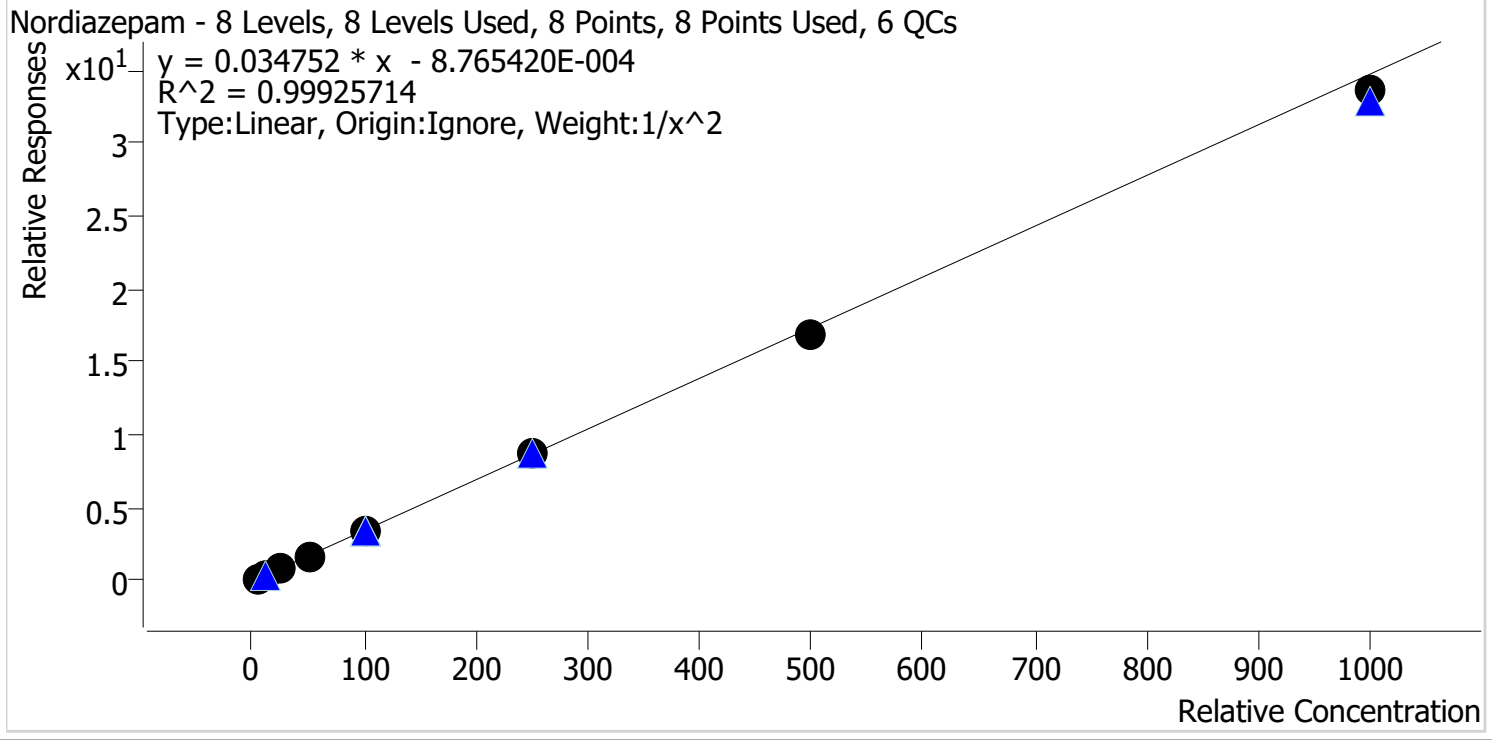
Compound not evaluated.

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng_r	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng_r	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	488.2	97.6
p1 Cal 8-1000ng	8	✓	1000.0	967.4	96.7

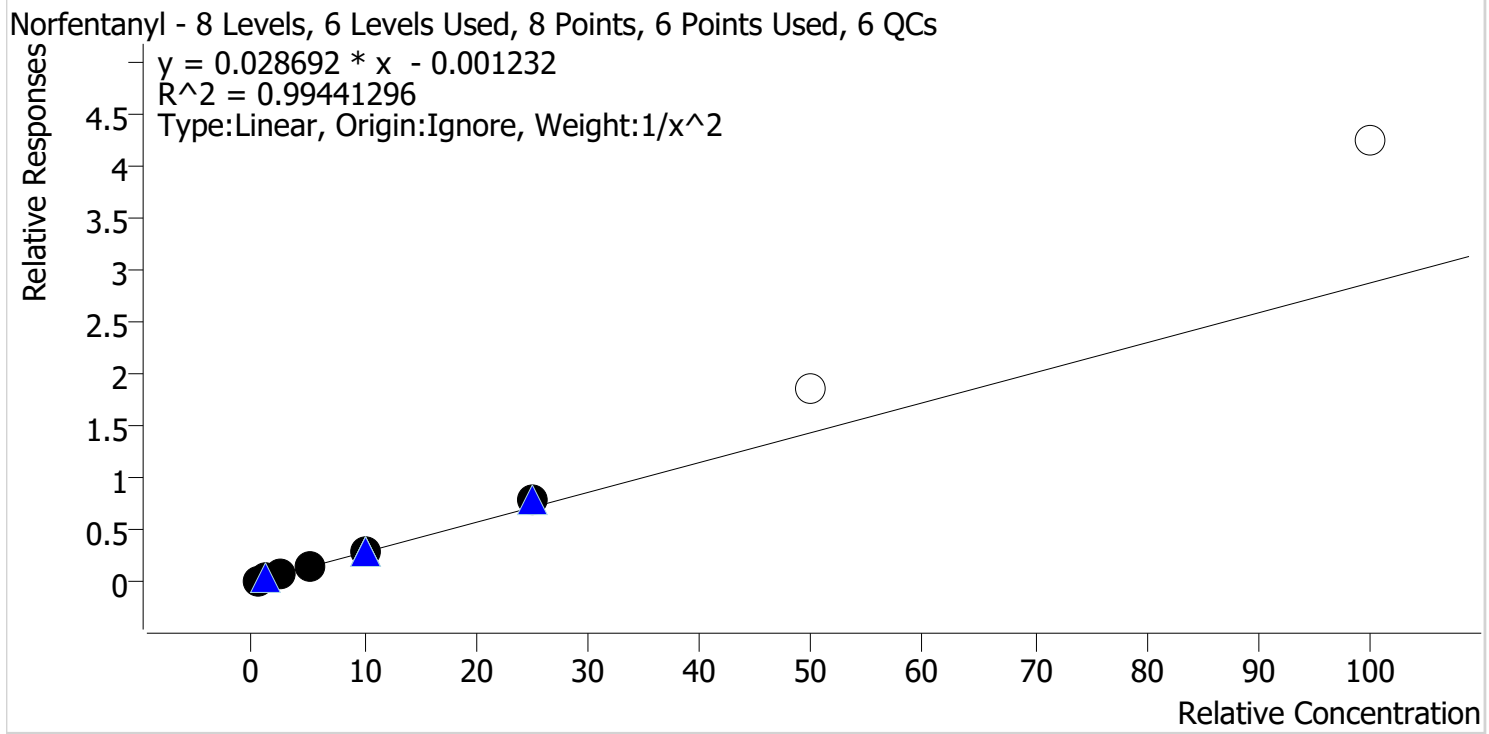


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	103.5
p1 Cal 2-10ng	2	✓	1.0	1.0	95.8
p1 Cal 3 -25ng_r	3	✓	2.5	2.3	93.9
p1 Cal 4-50ng_r	4	✓	5.0	4.8	95.7
p1 Cal 5-100ng	5	✓	10.0	10.1	101.2
p1 Cal 6-250ng	6	✓	25.0	27.5	109.9
p1 Cal 7-500ng	7	x	50.0	64.6	129.2
p1 Cal 8-1000ng	8	x	100.0	147.5	147.5

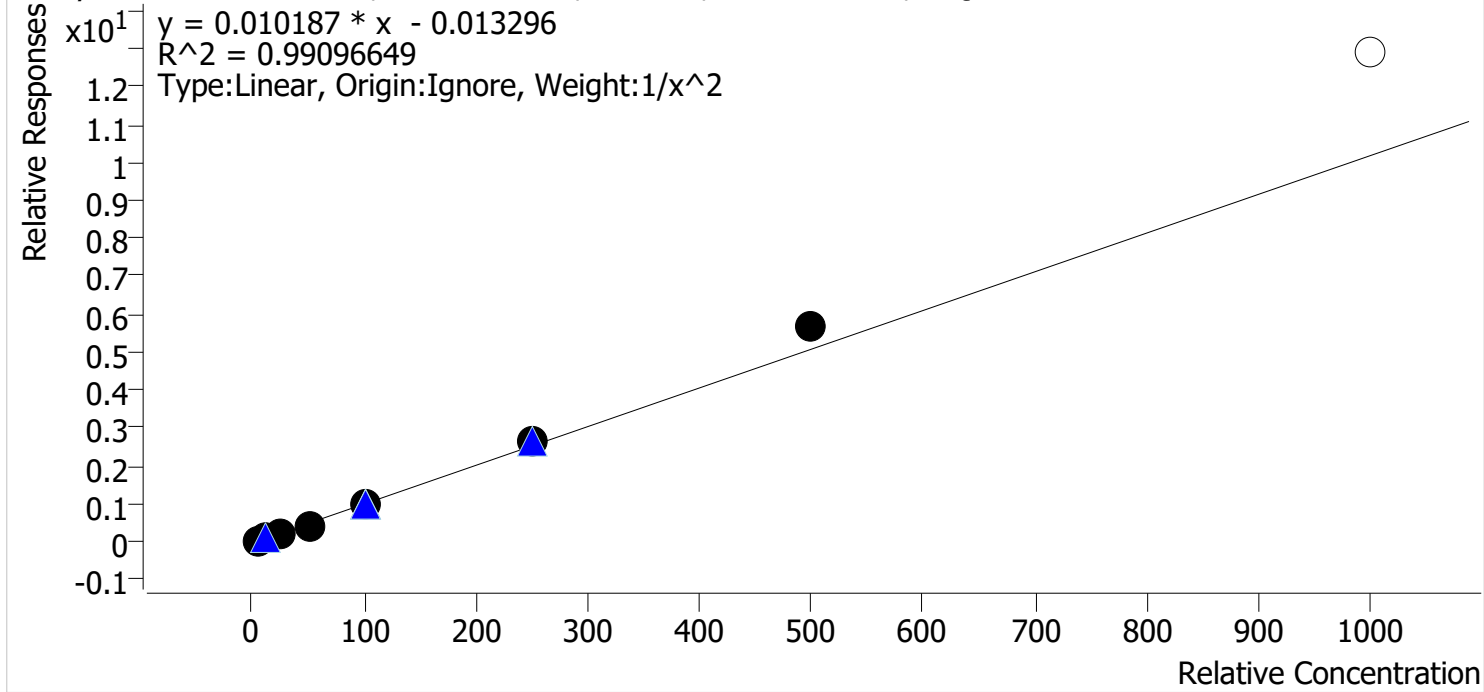
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



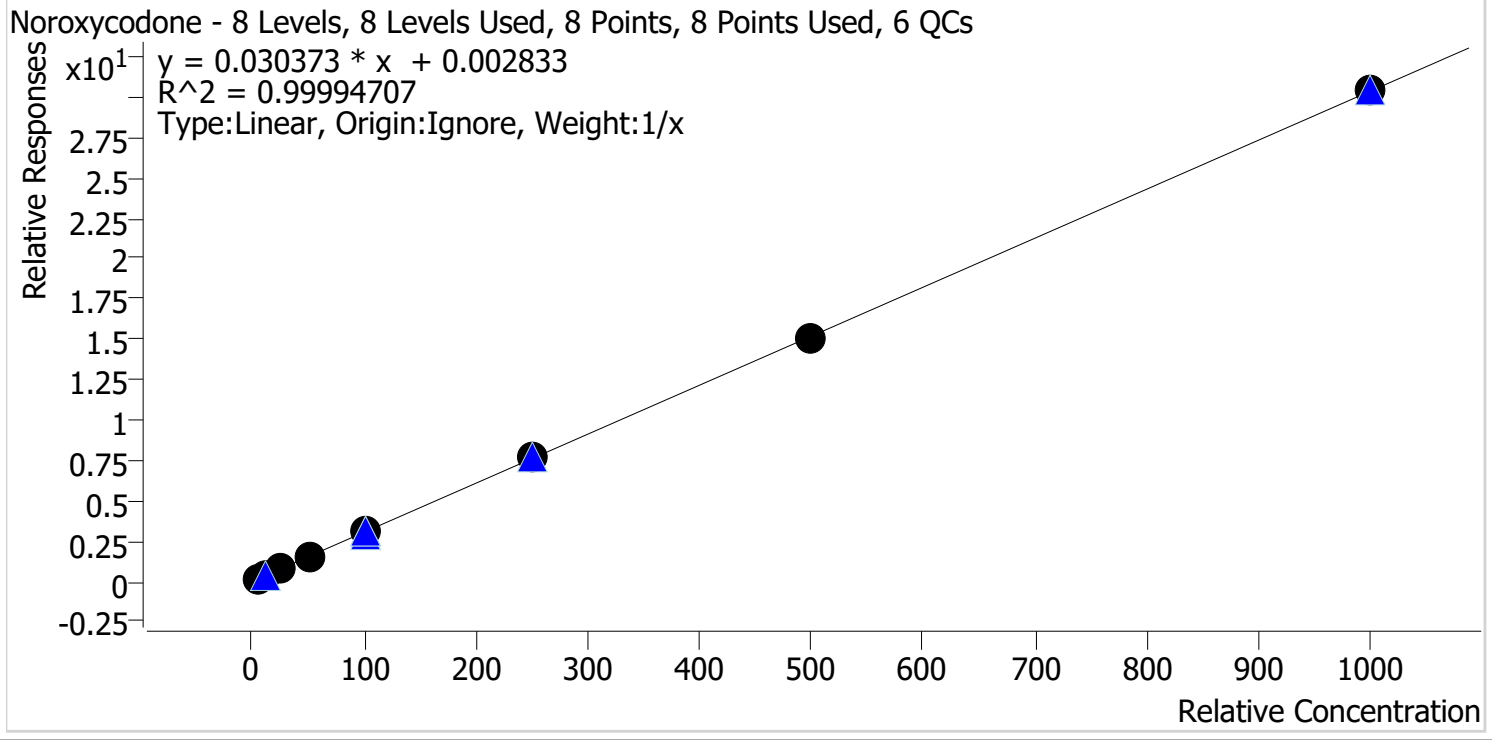
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng_r	3	✓	25.0	22.7	91.0
p1 Cal 4-50ng_r	4	✓	50.0	45.2	90.4
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	266.3	106.5
p1 Cal 7-500ng	7	✓	500.0	560.3	112.1
p1 Cal 8-1000ng	8	✗	1000.0	1266.3	126.6

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



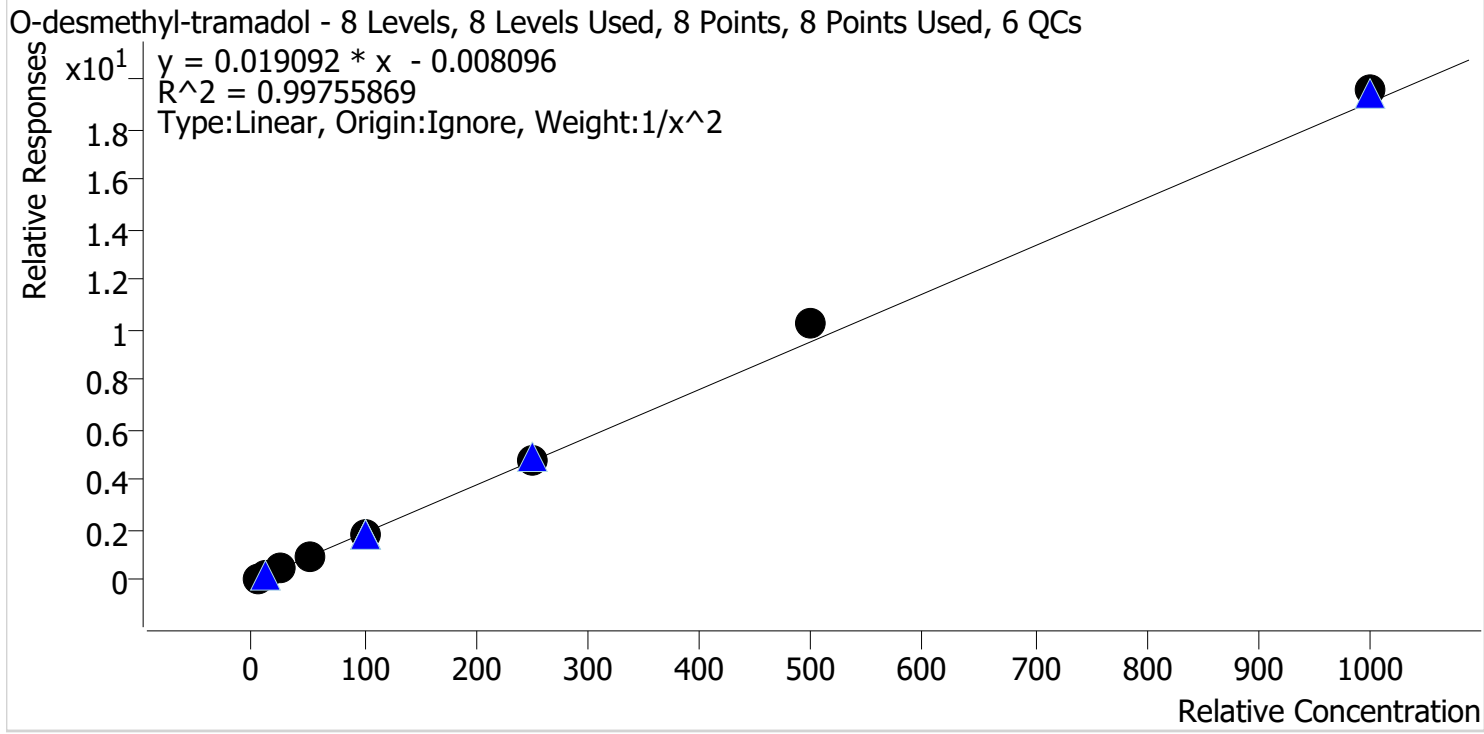
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng_r	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng_r	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1001.0	100.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



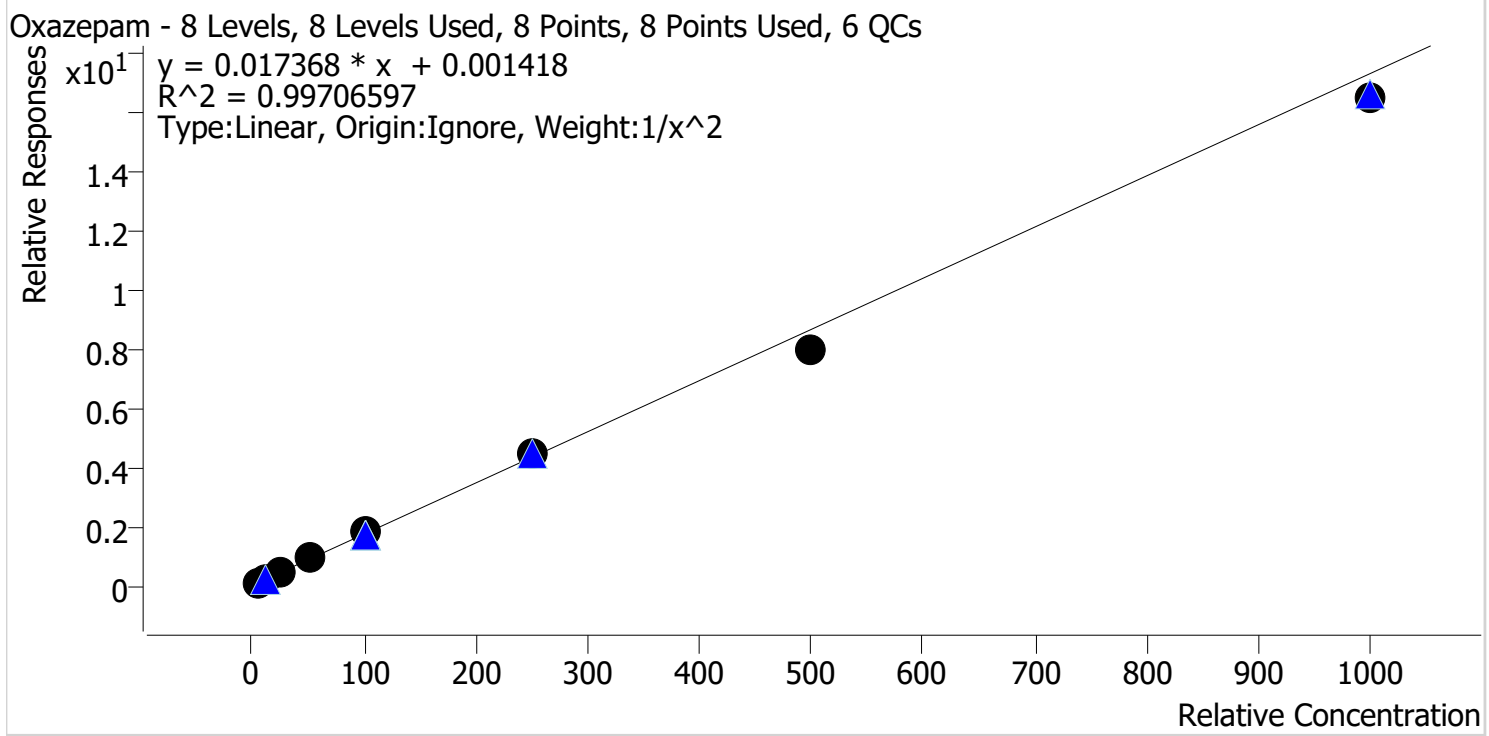
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng_r	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng_r	4	✓	50.0	47.0	94.0
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	538.1	107.6
p1 Cal 8-1000ng	8	✓	1000.0	1025.2	102.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng_r	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng_r	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	458.1	91.6
p1 Cal 8-1000ng	8	✓	1000.0	950.1	95.0

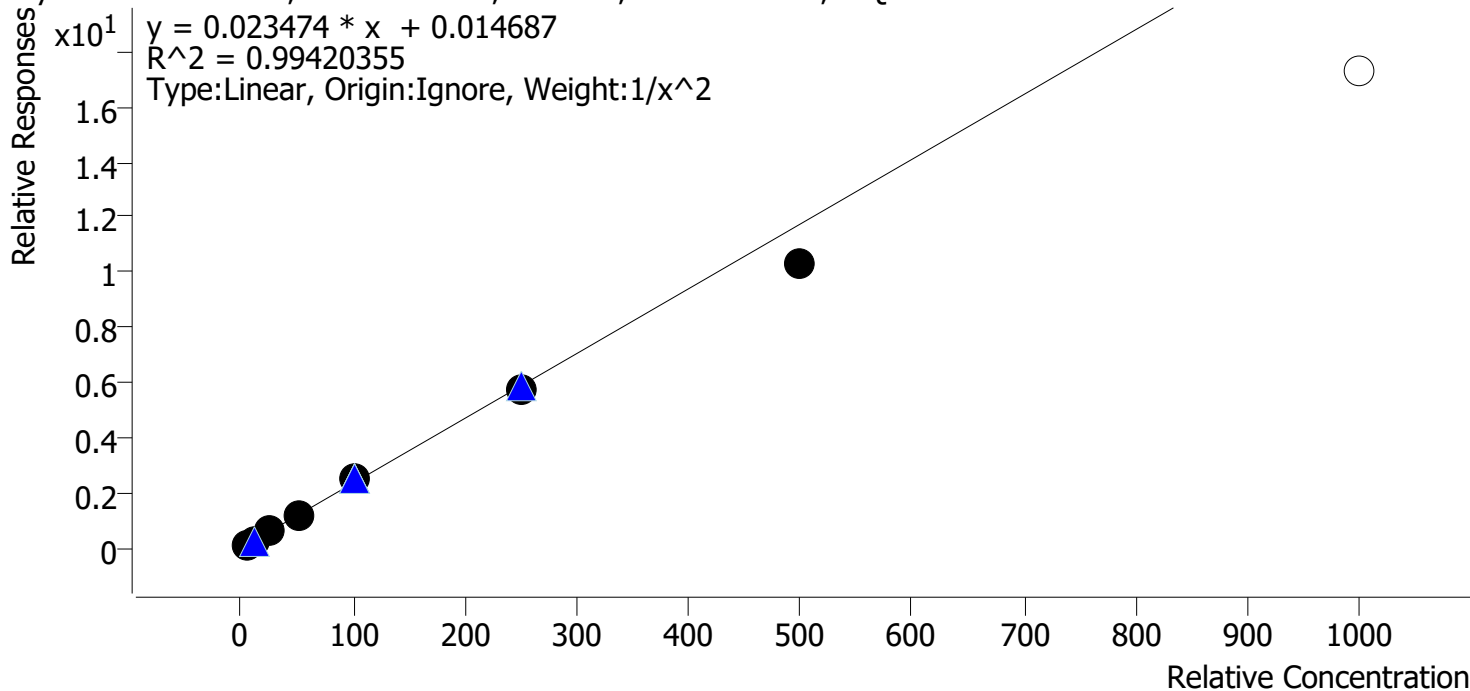
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



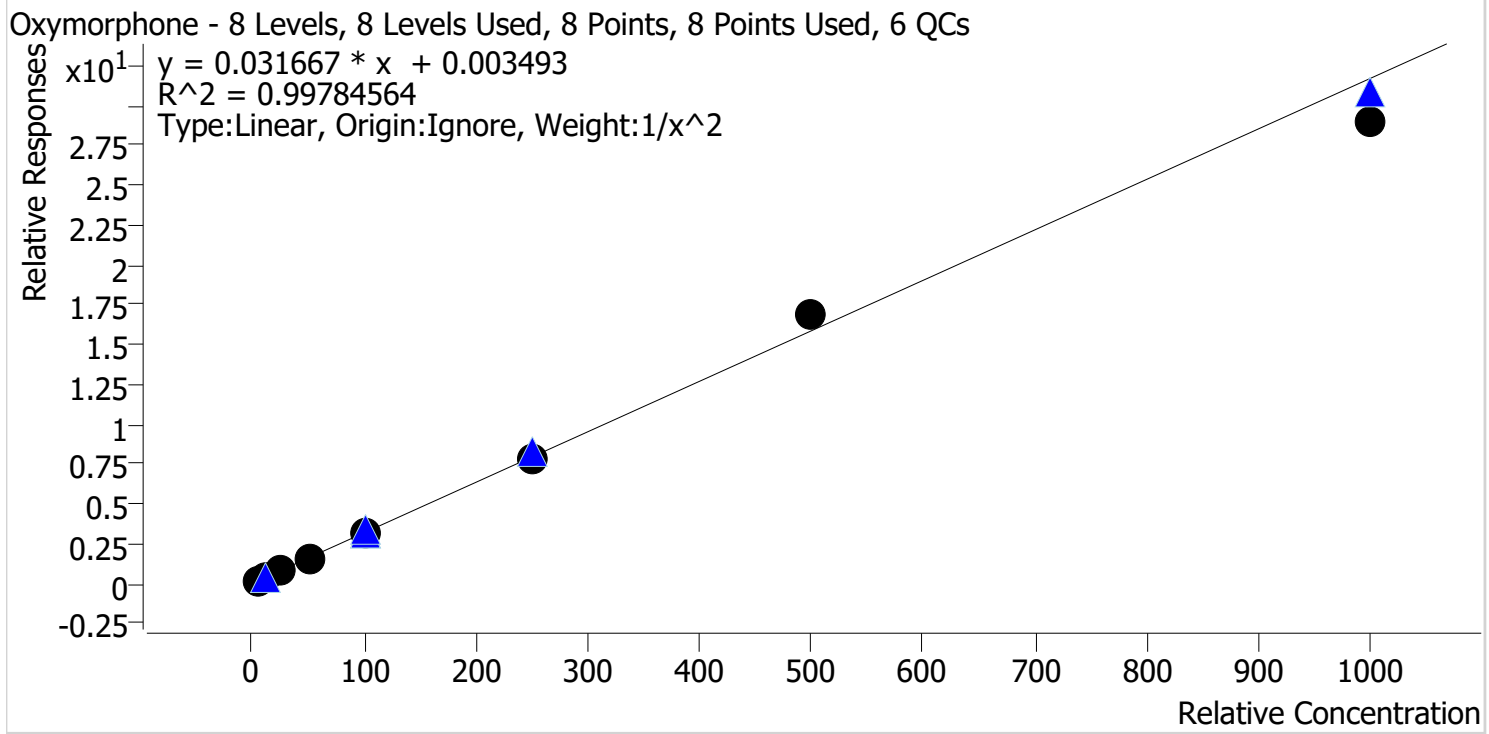
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng_r	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng_r	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	438.9	87.8
p1 Cal 8-1000ng	8	✗	1000.0	738.2	73.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



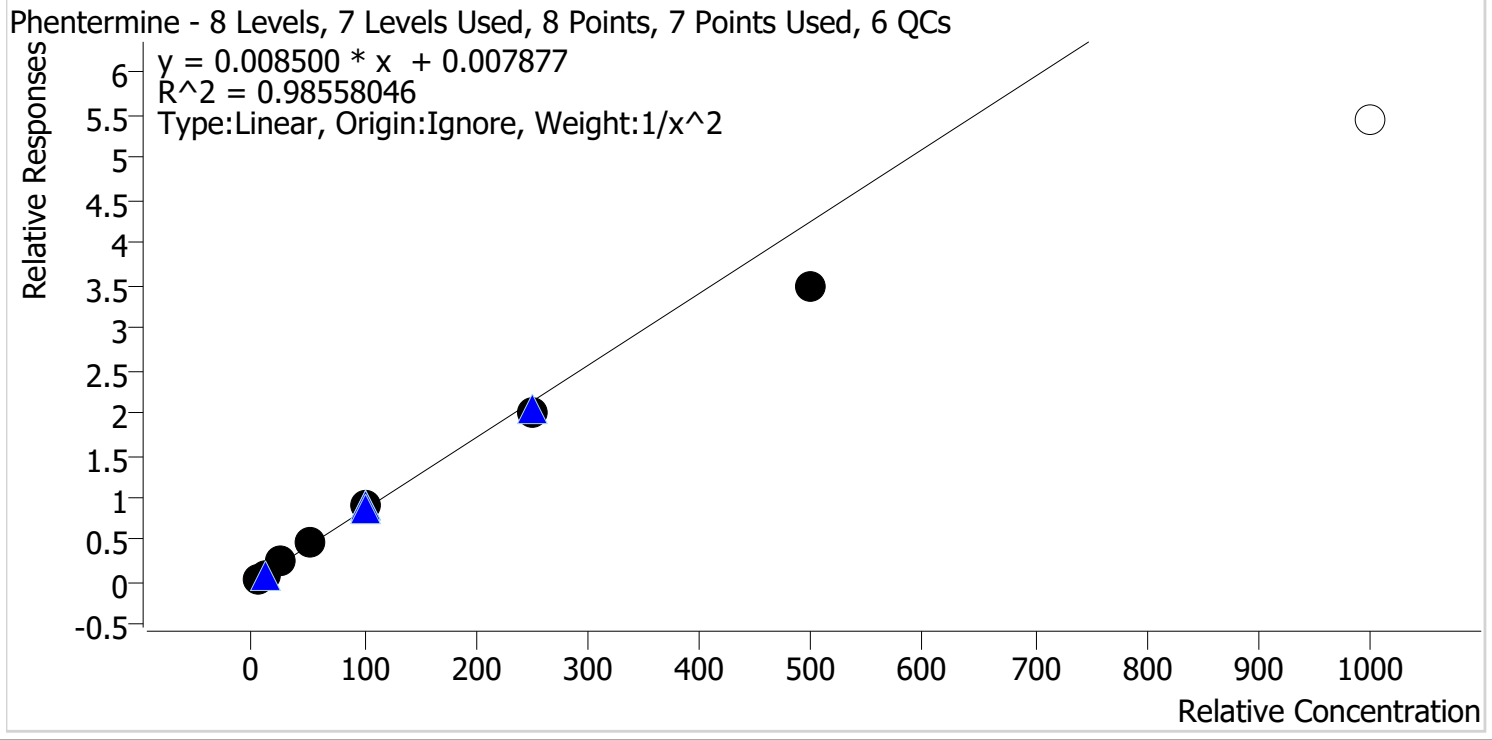
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng_r	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng_r	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	529.5	105.9
p1 Cal 8-1000ng	8	✓	1000.0	916.3	91.6

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	95.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng_r	3	✓	25.0	27.4	109.7
p1 Cal 4-50ng_r	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	107.9	107.9
p1 Cal 6-250ng	6	✓	250.0	236.0	94.4
p1 Cal 7-500ng	7	✓	500.0	407.1	81.4
p1 Cal 8-1000ng	8	✗	1000.0	639.1	63.9



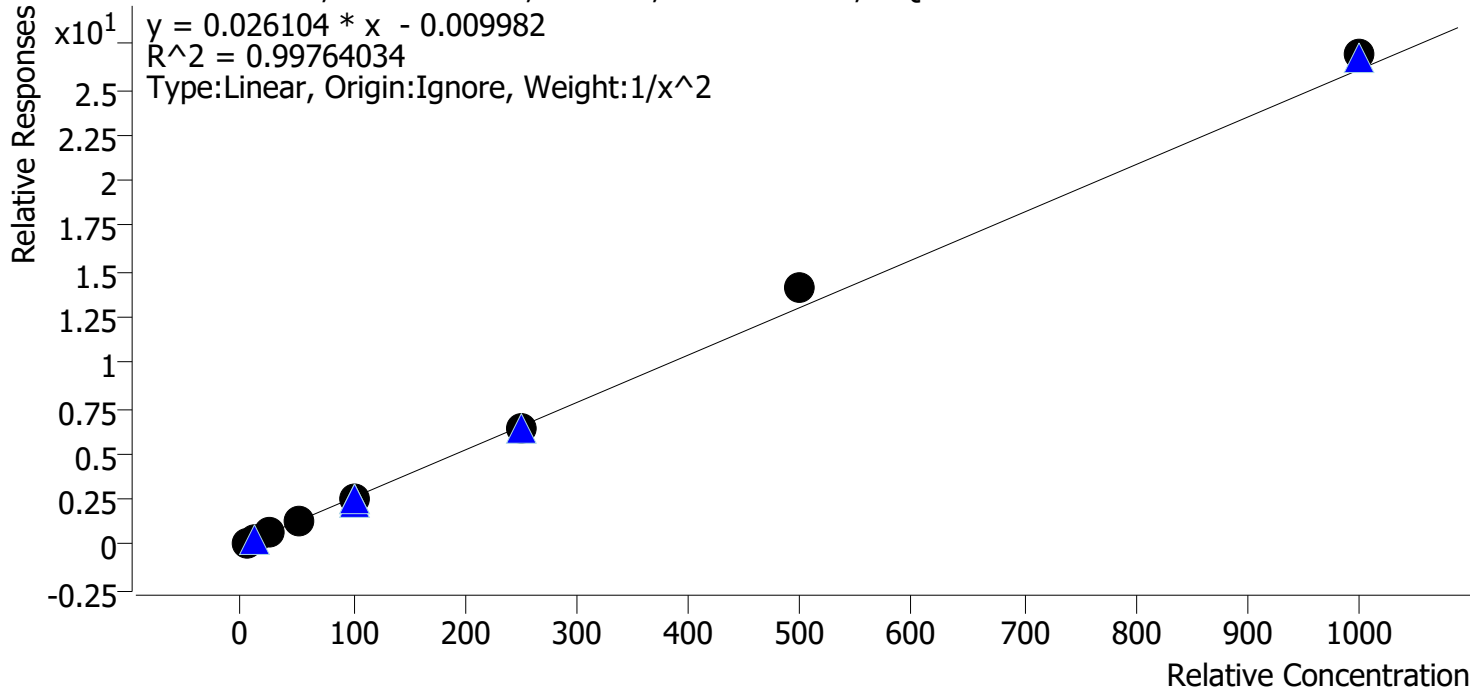
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng_r	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng_r	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	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	538.8	107.8
p1 Cal 8-1000ng	8	✓	1000.0	1031.7	103.2

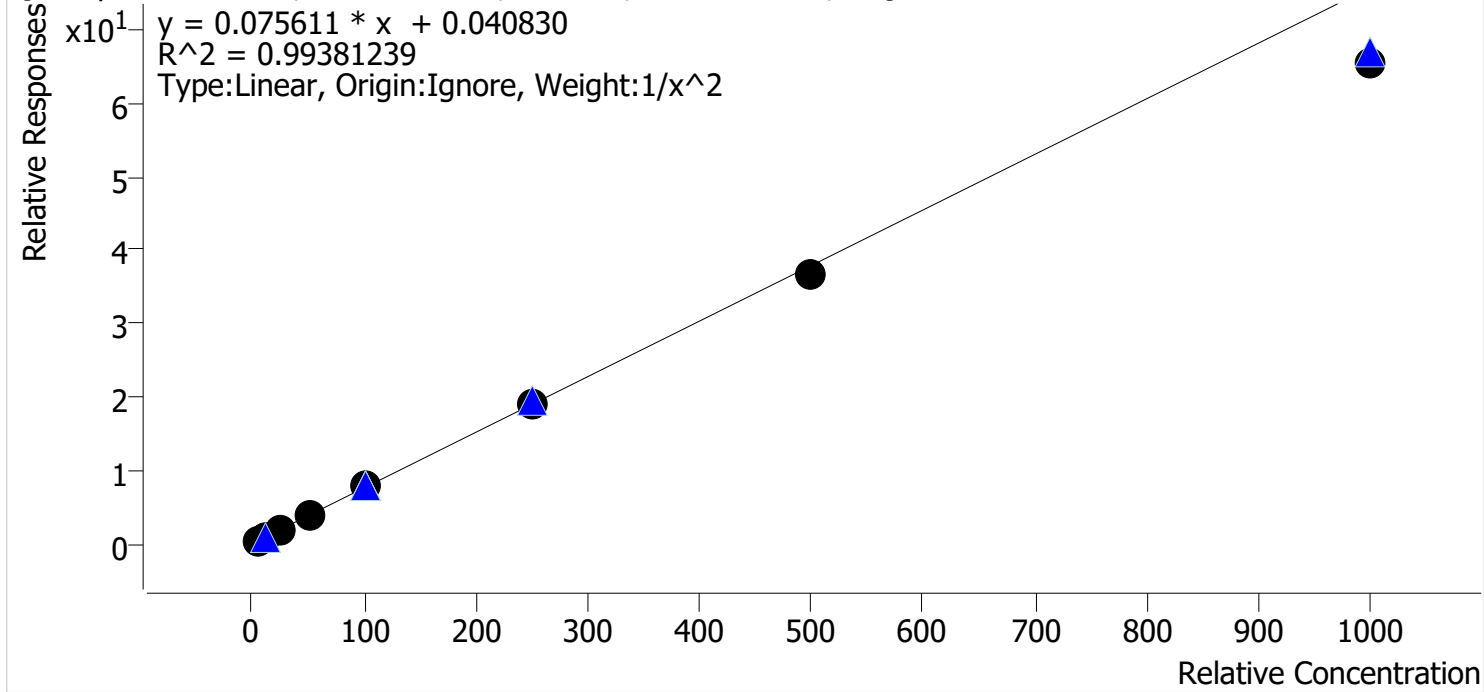
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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



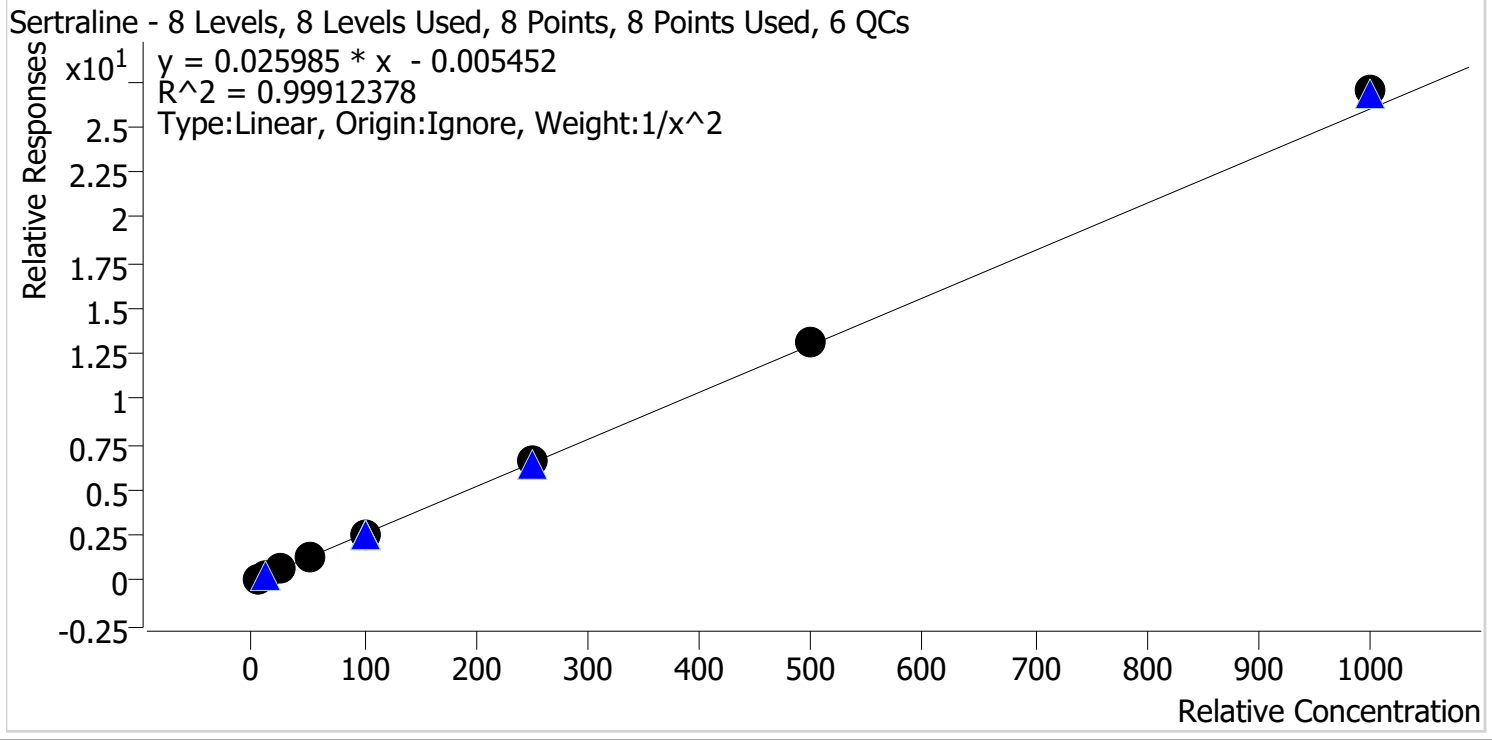
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng_r	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng_r	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	480.9	96.2
p1 Cal 8-1000ng	8	✓	1000.0	865.3	86.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



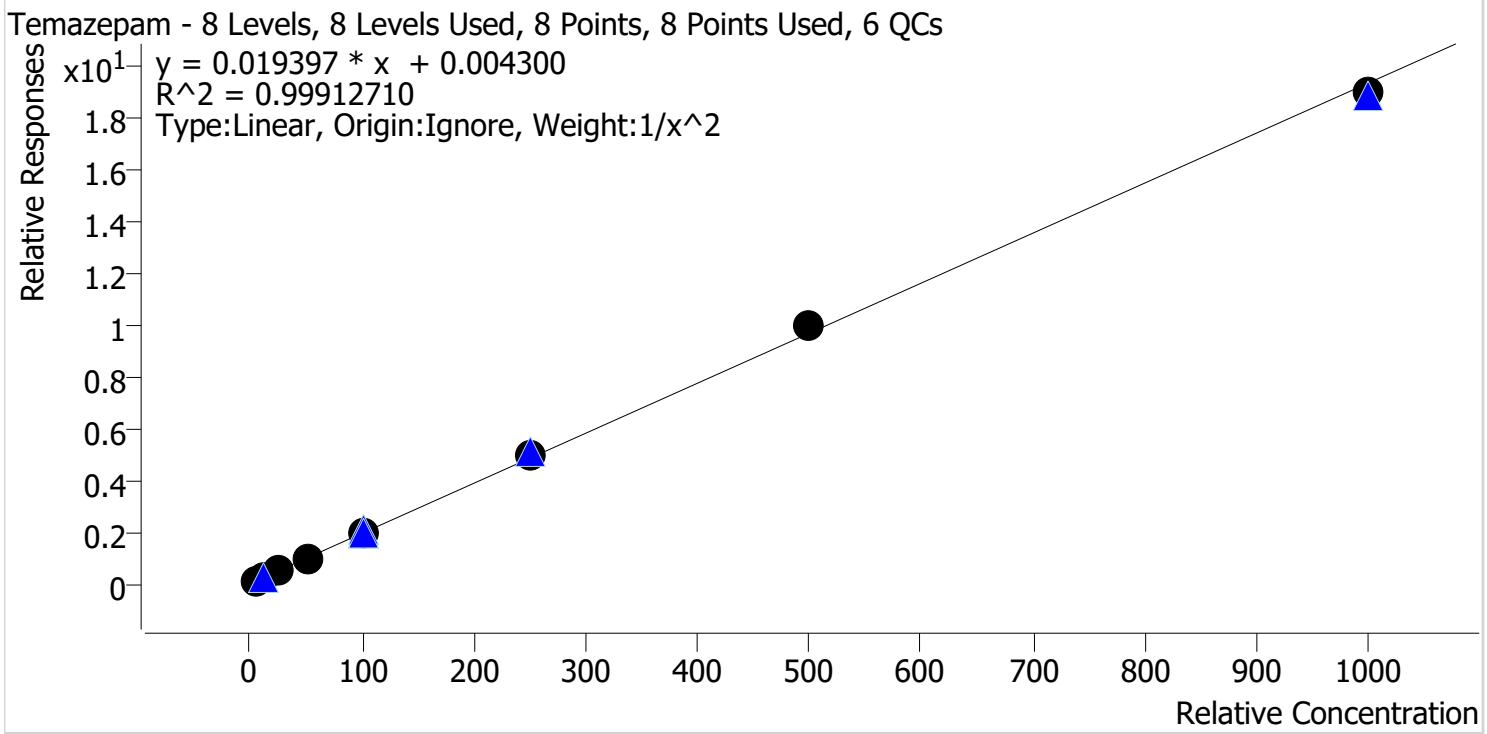
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng_r	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng_r	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	253.4	101.3
p1 Cal 7-500ng	7	✓	500.0	505.1	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1038.9	103.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



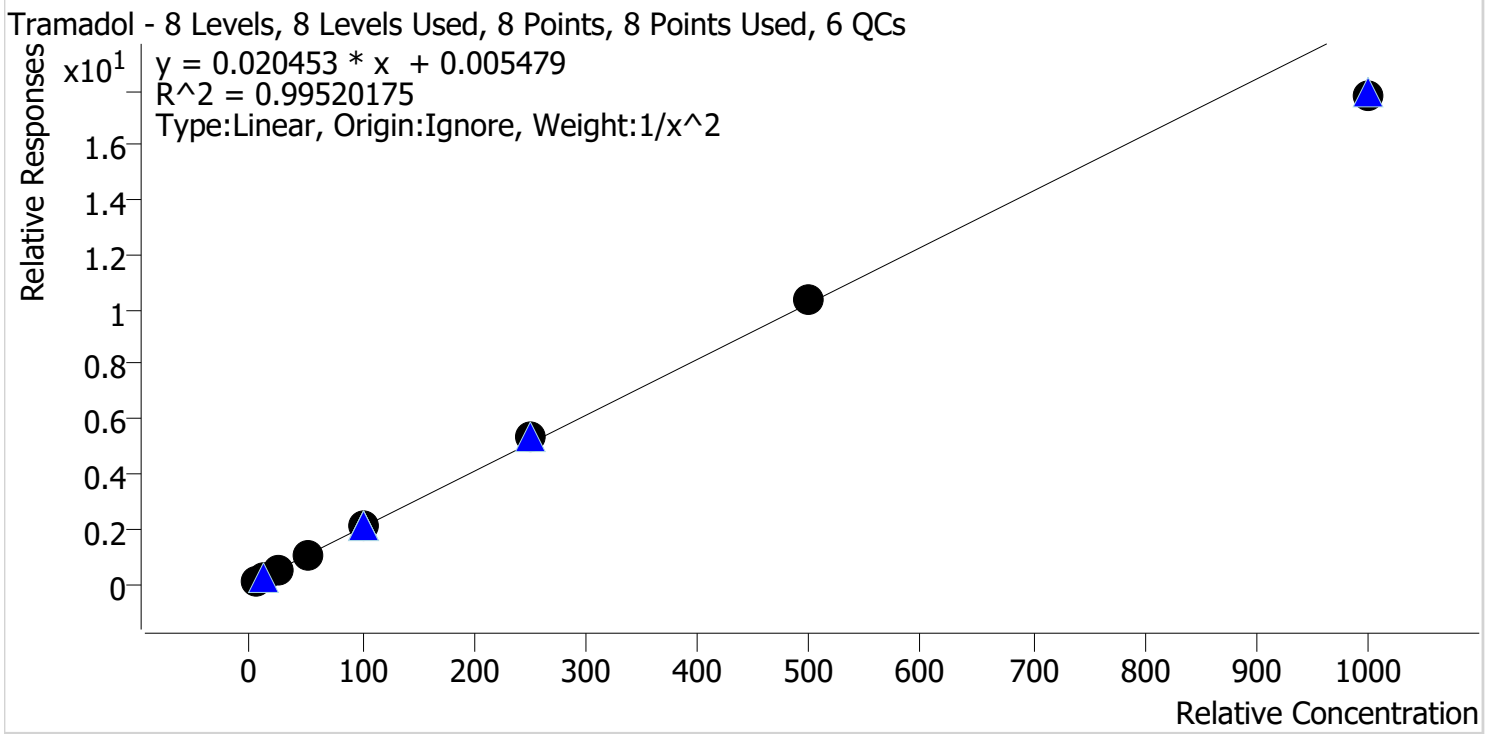
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng_r	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng_r	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	513.3	102.7
p1 Cal 8-1000ng	8	✓	1000.0	981.0	98.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	98.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng_r	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng_r	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	261.0	104.4
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	868.2	86.8

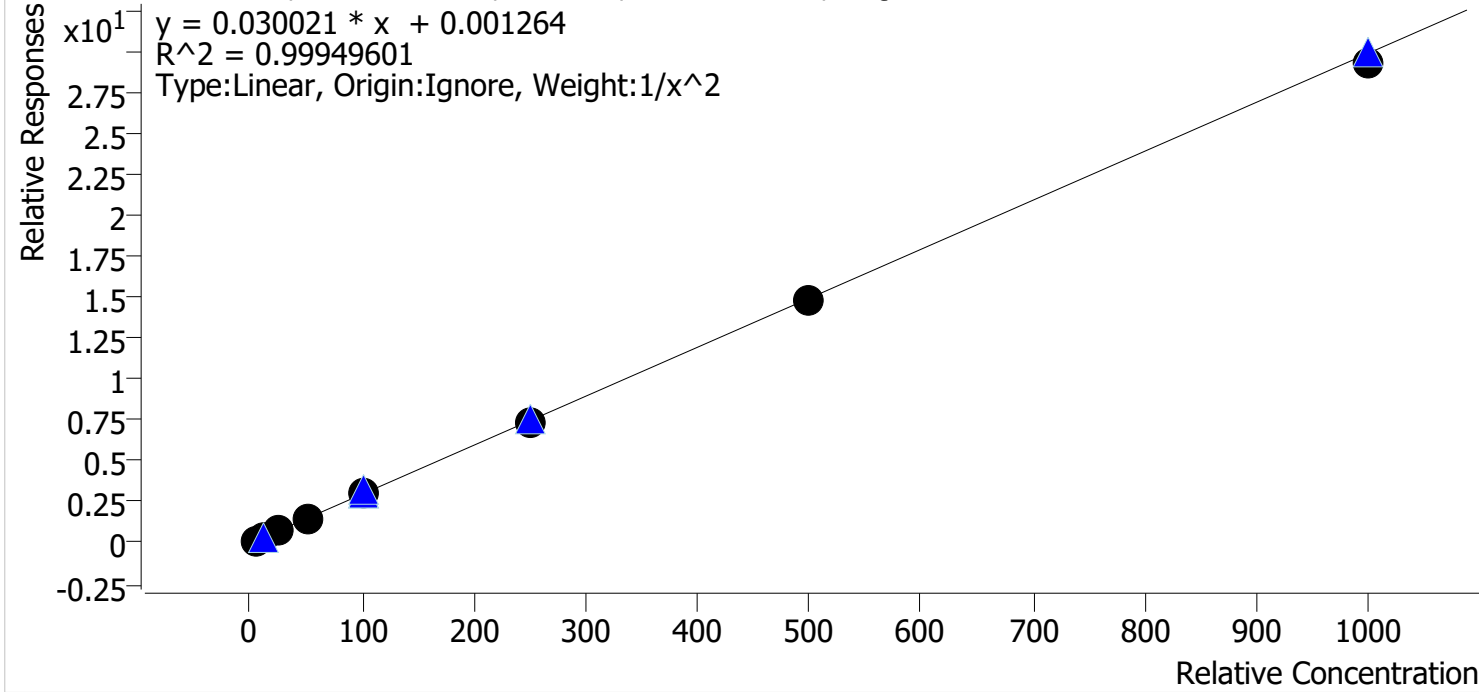
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



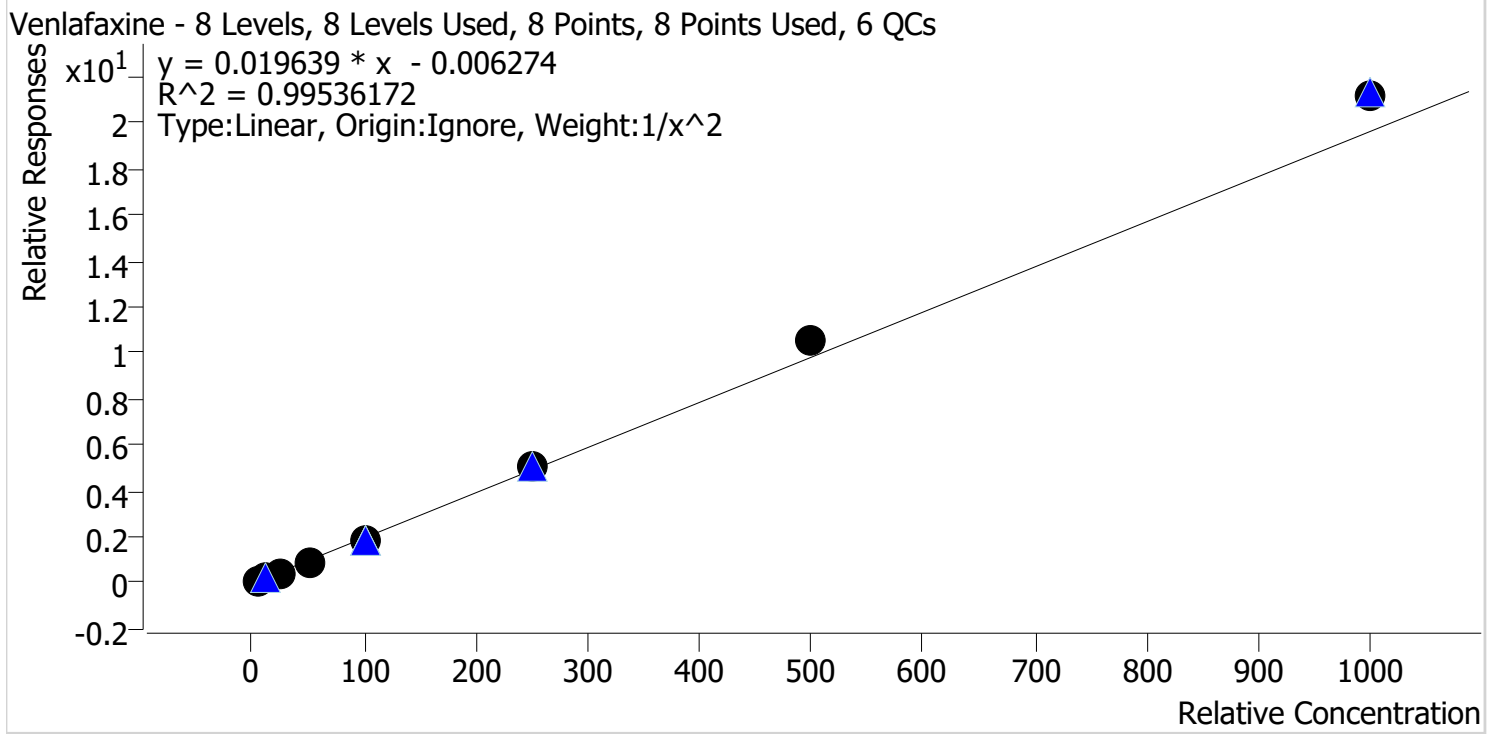
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng_r	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng_r	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✓	1000.0	978.3	97.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng_r	3	✓	25.0	23.3	93.2
p1 Cal 4-50ng_r	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	94.8	94.8
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	535.4	107.1
p1 Cal 8-1000ng	8	✓	1000.0	1081.8	108.2

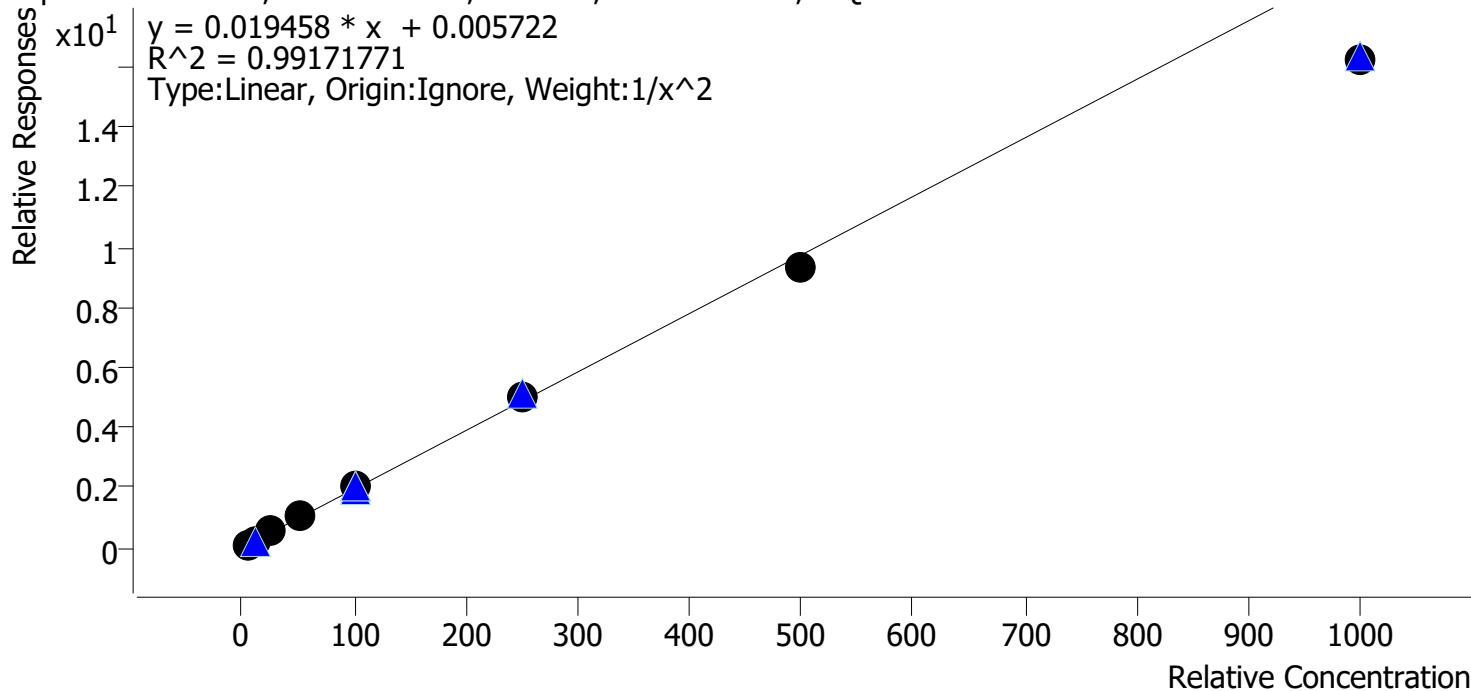
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 6/15/2023 11:55 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	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng_r	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng_r	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	259.0	103.6
p1 Cal 7-500ng	7	✓	500.0	479.8	96.0
p1 Cal 8-1000ng	8	✓	1000.0	831.1	83.1



TS



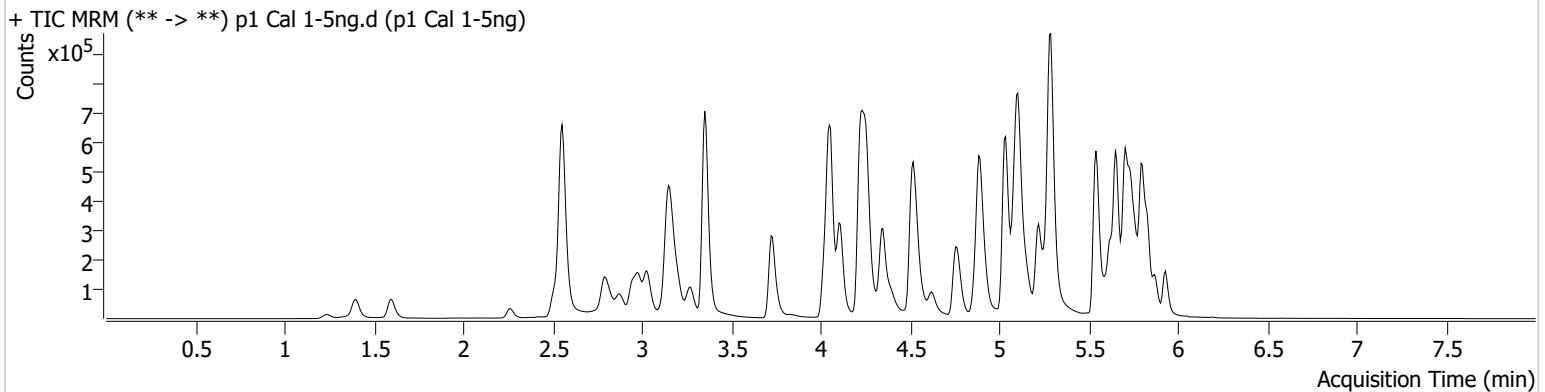
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 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** 6/7/2023 9:43:56 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	3.126	1407	229.08	75.6	2099.17	72040	0.4973 ng/ml
7-aminoclonazepam	4.244	26567	206.00	76.8	7172.50	212984	4.9016 ng/ml
a-hydroxyalprazolam	5.682	11689	70.89	62.8	491.57	829027	4.9096 ng/ml
alpha-PHP	4.928	23367	227.68	260.4	3798.42	642151	4.9171 ng/ml
alpha-PVP	4.357	86246	1617.96	50.9	169.36	642151	5.1186 ng/ml
Alprazolam	5.759	46631	243.92	108.8	239.45	215767	5.0557 ng/ml
Amphetamine	3.030	171354	1637.15	49.0	873.00	354786	4.8249 ng/ml
Benzoylcegonine	3.864	1681	13.08	10.0	22.58	11945	5.0571 ng/ml
Buprenorphine	5.830	1870	3246.58	13.5	360.77	110358	0.5315 ng/ml
Bupropion	4.778	98509	4368.11	64.8	661.80	589561	5.0110 ng/ml
Carisoprodol	5.714	46373	50648.37	58.9	47.06	449219	5.1956 ng/ml
Chlordiazepoxide	5.835	14823	982.03	103.2	115.43	445796	4.8293 ng/ml
Chlorpheniramine	5.111	135922	4952.16	0.2	9.92	1214497	5.5262 ng/ml
Citalopram	5.218	85636	660.25	36.0	27596.39	638430	5.0801 ng/ml
Clonazepam	5.601	43322	206.45	35.3	8801.51	111540	4.7399 ng/ml
Clonazolam	5.545	29626	2561.48	39.1	10553.64	111540	4.7848 ng/ml
Cocaine	4.257	73689	878.13	52.5	∞	1042701	5.0671 ng/ml
Codeine	2.566	8444	23035.55	98.8	134.06	65652	4.7068 ng/ml
Cyclobenzaprine	5.625	53947	96506.06	9.6	66.50	437762	5.1603 ng/ml
Dextromethorphan	5.262	44121	453.96	83.6	32.56	359617	5.0651 ng/ml
Dextrorphan	4.111	29253	358.35	205.6	543.05	618550	5.1409 ng/ml
Diazepam	5.931	34889	329.40	88.5	500.46	243328	4.9210 ng/ml
Dihydrocodeine	2.545	21563	86753.32	62.0	221.92	251475	4.8251 ng/ml
Diphenhydramine	5.290	235482	4547.50	31.2	7326.04	2059912	5.1288 ng/ml
DMT	2.831	8138	144.09	94.8	167.76	359617	5.1338 ng/ml
Doxylamine	4.531	178004	4768.57	100.7	1049.10	1503983	5.0591 ng/ml
Duloxetine	5.651	5180	125.89	16.6	∞	49240	5.2453 ng/ml
Etizolam	5.797	23348	32913.42	25.0	7172.51	111540	5.2883 ng/ml
Fentanyl	5.101	6053	61.87	73.1	2538.79	565222	0.4956 ng/ml
Flualprazolam	5.688	16755	308.78	110.6	1275.87	215767	4.7085 ng/ml
Fluorofentanyl	5.156	14529	256.65	42.8	842.77	4892	0.5154 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluoxetine	5.704	59083	125.58	7.6	3798.49	418971	5.1369 ng/ml
Hydrocodone	3.013	33114	522.85	34.4	105.62	331405	4.7302 ng/ml
Hydromorphone	1.609	27938	1040.41	77.1	31792.69	162570	5.0161 ng/ml
Hydroxyzine	5.701	75721	787.09	69.4	1870.63	359617	5.2766 ng/ml
Ketamine	4.036	75415	11691.13	35.5	270.12	468326	4.8572 ng/ml
Lamotrigine	4.267	5770	227.32	87.3	3077.78	1591435	4.8121 ng/ml
Lorazepam	5.737	38817	361.04	49.9	39.33	563687	4.6816 ng/ml
MDA	3.184	125542	867.52	26.5	151.75	548967	4.8700 ng/ml
MDMA	3.278	62757	2033.71	91.8	994.77	145652	5.0267 ng/ml
Meprobamate	4.888	32199	443.03	27.5	279.37	300433	4.7330 ng/ml
Methadone	5.656	123203	858.16	49.9	575.98	903195	5.0226 ng/ml
Methamphetamine	3.205	128631	475.55	39.7	448.52	895398	4.8589 ng/ml
Metoprolol	4.313	16783	41510.39	104.4	1270.09	1340900	4.8550 ng/ml
Mirtazapine	4.620	117019	566.43	50.4	1760.73	642151	5.1950 ng/ml
Mitragynine	5.230	19543	347.33	37.6	10119.97	903195	4.7122 ng/ml
Morphine	1.247	4144	162.83	26.6	604.24	11206	4.9332 ng/ml
Norbuprenorphine	4.984	1497	558.67	92.5	2469.83	19864	2.1406 ng/ml
Nordiazepam	5.877	29594	250.95	61.1	1186.01	175009	4.8912 ng/ml
Norfentanyl	4.071	14366	33.61	37.7	18.90	1055058	0.5175 ng/ml
Norhydrocodone	3.054	4376	70.27	39.4	227.38	110000	5.2105 ng/ml
Noroxycodone	2.897	30531	14.18	49.0	355.57	196607	5.0195 ng/ml
O-desmethyl-tramadol	3.359	146595	1452.69	6.3	∞	1634675	5.1211 ng/ml
o-desmethylvenlafaxine	4.056	207525	13945.11	17.5	244.95	293188	5.1803 ng/ml
Olanzapine	4.475	18424	358.85	56.7	159.26	89524	4.9474 ng/ml
Oxazepam	5.740	48775	199.04	72.6	38.92	563687	4.9005 ng/ml
Oxycodone	2.822	55149	436.60	29.7	15.35	430289	4.8343 ng/ml
Oxymorphone	1.398	29385	∞	48.1	259.08	182438	4.9760 ng/ml
Phentermine	3.760	37139	54.64	4.6	18.66	768818	4.7563 ng/ml
Promethazine	5.541	115025	514.68	31.0	173.16	925441	5.1437 ng/ml
Pseudoephedrine	2.562	199901	260.98	17.1	3581.91	1591435	5.1452 ng/ml
Quetiapine	5.558	92237	112756.39	55.8	285322.15	227877	4.8133 ng/ml
Sertraline	5.773	19517	60.99	94.2	13881.22	153565	5.1009 ng/ml
Temazepam	5.800	85314	380.59	27.9	97.08	829027	5.0837 ng/ml
Tramadol	4.232	142600	333.35	3.8	96.12	1340900	4.9317 ng/ml
Trazodone	5.148	99480	46631.71	62.3	109055.45	658014	4.9938 ng/ml
Venlafaxine	5.036	138167	395.16	34.8	110.62	1448983	5.1747 ng/ml
Zolpidem	4.912	127360	679.23	31.2	2741.85	1273861	4.8442 ng/ml

TS

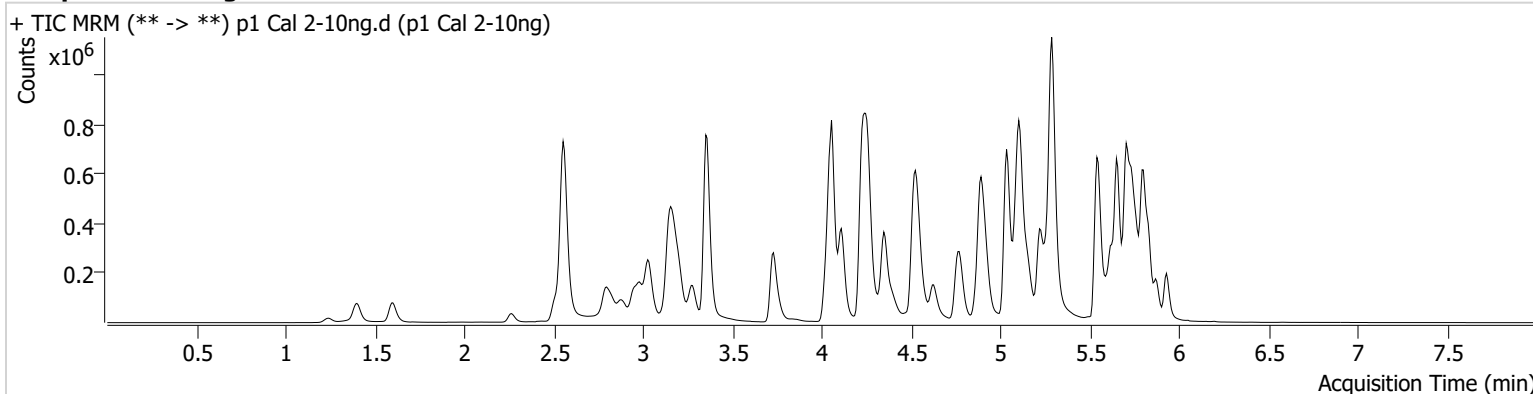


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-B1	<b>Comment</b>	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/7/2023 9:54:43 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	2979	342.16	77.0	4640.13	72567	1.0211 ng/ml
7-aminoclonazepam	4.251	51934	24362.79	80.9	∞	222295	9.9769 ng/ml
a-hydroxyalprazolam	5.682	24001	150.84	62.9	180.80	867620	10.1265 ng/ml
alpha-PHP	4.928	46536	178.36	276.2	4469.09	658313	9.9224 ng/ml
alpha-PVP	4.357	174333	867.44	52.6	276.79	658313	9.7523 ng/ml
Alprazolam	5.759	95537	1151.21	108.6	523.08	219017	9.9444 ng/ml
Amphetamine	3.030	334418	321.28	48.5	1237.53	362210	10.3369 ng/ml
Benzoylcegonine	3.871	3221	16.20	9.5	88.77	11373	9.8243 ng/ml
Buprenorphine	5.830	3831	88.48	15.4	434.14	130947	0.8931 ng/ml
Bupropion	4.778	199852	781.00	62.3	353.63	597447	9.9831 ng/ml
Carisoprodol	5.714	95927	∞	60.0	66.78	463529	9.6062 ng/ml
Chlordiazepoxide	5.835	29869	1776.13	100.0	575.21	436152	10.0965 ng/ml
Chlorpheniramine	5.111	273986	1465.19	0.3	22.07	1203334	10.2870 ng/ml
Citalopram	5.218	171438	675.19	37.6	282.26	633002	9.8684 ng/ml
Clonazepam	5.601	90694	8888.09	35.4	931.19	114031	10.5153 ng/ml
Clonazolam	5.545	62606	61824.15	35.0	26771.87	114031	10.6110 ng/ml
Cocaine	4.257	140071	121.18	50.8	1513.93	1063333	9.8664 ng/ml
Codeine	2.566	16972	361.47	103.4	225.08	64072	10.6332 ng/ml
Cyclobenzaprine	5.625	105190	512.66	9.6	54.35	435539	9.7280 ng/ml
Dextromethorphan	5.269	87695	2413.05	82.1	1823.10	361657	9.8804 ng/ml
Dextrorphan	4.111	57656	972.07	212.0	622.75	635967	9.7128 ng/ml
Diazepam	5.931	72657	1298.56	87.2	1091.94	247465	10.2461 ng/ml
Dihydrocodeine	2.545	43251	2271.80	62.1	262.52	259183	10.2653 ng/ml
Diphenhydramine	5.290	474385	4757.28	30.9	406.16	2093697	9.6982 ng/ml
DMT	2.838	16268	446.66	99.1	1852.12	361657	10.0148 ng/ml
Doxylamine	4.538	361523	17403.33	98.0	1023.24	1508616	9.9282 ng/ml
Duloxetine	5.651	9146	179.21	15.1	168.14	51107	8.9382 ng/ml
EDDP	5.262	22954	141.91	42.5	16561.67	128961	10.3541 ng/ml
Etizolam	5.804	44459	69223.66	27.6	15896.15	114031	9.4492 ng/ml
Fentanyl	5.101	11445	170.06	74.5	16709.11	561134	0.9986 ng/ml
Flualprazolam	5.695	35850	886.44	99.4	1896.00	219017	10.7671 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.156	28606	349.75	42.7	1827.29	4879	0.9583 ng/ml
Fluoxetine	5.704	114382	747.88	8.0	5014.35	420415	9.6756 ng/ml
Hydrocodone	3.013	67380	179.13	35.3	62.45	336442	10.6308 ng/ml
Hydromorphone	1.609	55843	30.94	76.6	32.73	164219	9.8801 ng/ml
Hydroxyzine	5.708	146960	3478.03	68.0	1225.60	361657	9.5603 ng/ml
Ketamine	4.043	146457	391.47	36.9	139.62	480637	10.1462 ng/ml
Lamotrigine	4.274	11672	194.38	83.1	4441.71	1568909	10.4047 ng/ml
Lorazepam	5.737	81837	1337.50	51.4	103.85	578911	10.6361 ng/ml
MDA	3.184	246080	1849.32	27.7	372.65	553503	10.2481 ng/ml
MDMA	3.278	122458	2045.51	92.3	240.20	145818	9.8255 ng/ml
Meprobamate	4.895	65978	225.25	25.6	196.70	303070	10.6260 ng/ml
Methadone	5.656	258617	3204.90	49.2	234.79	894651	10.0486 ng/ml
Methamphetamine	3.205	247357	224.89	39.0	425.19	904551	10.2286 ng/ml
Metoprolol	4.320	32978	2319.78	106.7	1376.17	1345457	10.1109 ng/ml
Mirtazapine	4.627	227218	3002.09	51.5	7900.50	658313	9.4957 ng/ml
Mitragynine	5.230	50120	657.50	34.9	27441.07	894651	10.8672 ng/ml
Morphine	1.247	8394	382.40	28.2	145.57	11359	10.1641 ng/ml
Norbuprenorphine	4.997	832	803.71	94.5	446.25	18090	0.9898 ng/ml
Nordiazepam	5.877	62586	3083.38	58.7	262.04	174707	10.3336 ng/ml
Norfentanyl	4.078	28204	119.57	37.9	161.13	1074367	0.9579 ng/ml
Norhydrocodone	3.054	9450	50.36	37.5	99.52	110911	9.6691 ng/ml
Noroxycodone	2.897	60495	327.69	48.8	314.89	198645	9.9333 ng/ml
O-desmethyl-tramadol	3.359	296847	19929.04	6.0	1548.14	1660678	9.7864 ng/ml
o-desmethylvenlafaxine	4.056	424596	15633.56	17.8	126.35	298802	9.5326 ng/ml
Olanzapine	4.475	42202	112.90	54.5	208.59	97984	10.1839 ng/ml
Oxazepam	5.740	103141	1312.57	73.4	50.60	578911	10.1767 ng/ml
Oxycodone	2.822	109837	642.34	30.5	467.18	424440	10.3985 ng/ml
Oxymorphone	1.398	56739	590.87	50.6	481.75	177052	10.0095 ng/ml
Phentermine	3.767	73808	194.14	5.6	14.39	765130	10.4216 ng/ml
Promethazine	5.541	225833	524.92	30.0	448.71	936541	9.6198 ng/ml
Pseudoephedrine	2.562	396906	5070.10	16.8	2237.10	1568909	9.7431 ng/ml
Quetiapine	5.558	183777	273.62	55.9	189.16	223976	10.3119 ng/ml
Sertraline	5.773	37242	345.24	98.1	524.09	150875	9.7093 ng/ml
Temazepam	5.800	167735	3796.89	30.6	106.55	867620	9.7451 ng/ml
Tramadol	4.239	283968	1868.09	3.7	75.47	1345457	10.0513 ng/ml
Trazodone	5.148	193783	74119.64	64.5	244248.15	648320	9.9143 ng/ml
Venlafaxine	5.036	270693	5280.47	34.8	105.15	1468046	9.7083 ng/ml
Zolpidem	4.912	254661	848.40	30.3	51679.88	1241293	10.2496 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

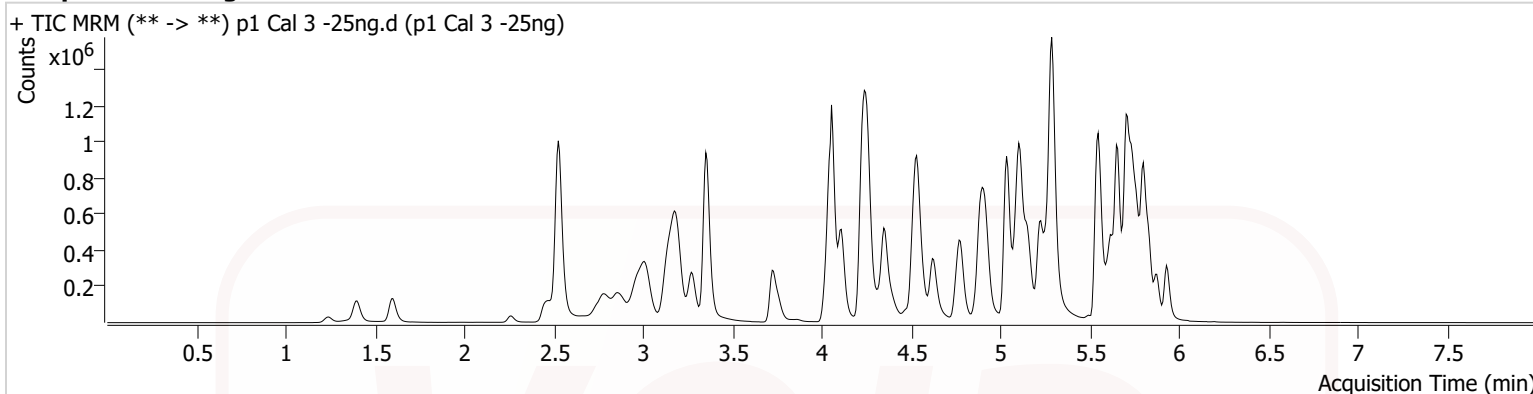
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**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-C1  
**Injection Volume** 2  
**Acq. Date-Time** 6/7/2023 10:05:21 PM  
**Sample Info.** Calibrator re-injected due to poor chromatography in some compounds. Please refer to the re-injection data.

**Data File** p1 Cal 3 -25ng.d  
**Sample** p1 Cal 3 -25ng  
**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	3.126	7268	300.39	69.8	9985.89	75356	2.3695 ng/ml
7-aminoclonazepam	4.251	133542	148.55	79.3	16070.95	221347	27.2077 ng/ml
a-hydroxyalprazolam	5.682	62883	373.54	64.2	270.61	908453	26.1108 ng/ml
alpha-PHP	4.928	123998	344.74	258.2	10780.37	651649	27.3733 ng/ml
alpha-PVP	4.357	445407	12555.27	50.7	10915.71	651649	24.6176 ng/ml
Alprazolam	5.759	243277	1119.59	112.4	605.80	223146	24.4713 ng/ml
Amphetamine	3.009	869531	849.92	47.3	1425.92	194869	54.6399 ng/ml
Benzoylcegonine	3.864	9250	462.77	8.2	84.10	11986	26.1619 ng/ml
Buprenorphine	5.830	10712	6411.91	16.8	1791.49	137327	2.3244 ng/ml
Bupropion	4.778	511392	33202.96	63.8	2573.50	605858	25.1162 ng/ml
Carisoprodol	5.714	245265	731.99	56.7	1711.99	458745	23.5413 ng/ml
Chlordiazepoxide	5.835	79522	5045.11	100.6	917.08	463902	25.4851 ng/ml
Chlorpheniramine	5.111	708681	7313.99	0.3	19.30	1245042	24.3304 ng/ml
Citalopram	5.218	437815	789.99	37.6	163900.21	642058	24.2674 ng/ml
Clonazepam	5.601	245716	23301.63	34.1	108017.04	126166	26.8676 ng/ml
Clonazolam	5.545	156173	219628.63	36.7	73291.39	126166	24.7712 ng/ml
Cocaine	4.257	334445	1062.80	52.4	469.87	1087033	23.6960 ng/ml
Codeine	2.546	13039	944.46	104.8	104.70	65290	7.7987 ng/ml
Cyclobenzaprine	5.625	287624	36558.24	9.1	73.62	479883	23.5467 ng/ml
Dextromethorphan	5.269	227137	5047.27	81.9	3591.93	379106	24.2172 ng/ml
Dextrorphan	4.111	149478	398.04	206.4	3712.74	632010	25.0902 ng/ml
Diazepam	5.938	189826	537.51	88.0	201.73	264835	25.2466 ng/ml
Dihydrocodeine	2.471	110831	2948.60	63.0	529.72	262658	27.3709 ng/ml
Diphenhydramine	5.290	1210644	23443.19	30.6	6437.40	2109266	23.8380 ng/ml
DMT	2.818	41527	177.61	95.5	1451.16	379106	24.1122 ng/ml
Doxylamine	4.538	909667	522.81	100.4	8022.99	1540256	24.0176 ng/ml
Duloxetine	5.651	27160	718.27	12.2	1241.13	54353	24.9933 ng/ml
EDDP	5.255	72147	2236.79	41.7	196.67	155424	24.2002 ng/ml
Etizolam	5.804	114587	92826.67	25.3	28107.27	126166	21.3934 ng/ml
Fentanyl	5.101	31131	79.55	67.5	162.79	591533	2.6724 ng/ml
Flualprazolam	5.695	86911	2788.70	104.9	9291.14	223146	26.6679 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.156	77673	316.02	45.3	4387.67	5154	2.3676 ng/ml
Fluoxetine	5.711	290863	19048.72	8.0	2064.57	433965	23.4659 ng/ml
Hydrocodone	2.999	166200	∞	35.1	94.85	343389	27.3132 ng/ml
Hydromorphone	1.602	142834	2766.84	76.5	1217.74	165963	24.9348 ng/ml
Hydroxyzine	5.708	387093	7441.59	69.2	1962.62	379106	23.0095 ng/ml
Ketamine	4.036	365519	12512.14	38.0	148.49	467936	27.6828 ng/ml
Lamotrigine	4.267	28082	1927.89	86.7	35128.03	1593782	25.3347 ng/ml
Lorazepam	5.737	204910	1325.60	55.3	228.60	573979	28.3460 ng/ml
MDA	3.178	607812	3478.49	27.7	593.04	568808	25.7915 ng/ml
MDMA	3.278	313145	1317.15	90.8	1363.70	147783	24.8361 ng/ml
Meprobamate	4.895	166305	1457.01	26.7	2255.84	316315	27.0511 ng/ml
Methadone	5.656	651395	19365.79	50.7	1222.22	945474	23.2140 ng/ml
Methamphetamine	3.199	622470	677.90	39.1	1566.45	924684	26.7641 ng/ml
Metoprolol	4.320	85205	109364.40	105.3	2483.21	1385011	26.3278 ng/ml
Mirtazapine	4.627	582619	3596.24	50.6	730.81	651649	23.9853 ng/ml
Mitragynine	5.230	130544	5668.91	36.8	69568.33	945474	25.5544 ng/ml
Morphine	1.240	21227	4431.18	26.3	2754.45	11470	25.9110 ng/ml
Norbuprenorphine	4.990	1495	1511.12	105.2	3842.57	20217	2.0858 ng/ml
Nordiazepam	5.877	164678	3626.76	59.1	509.26	187637	25.2800 ng/ml
Norfentanyl	4.071	71661	7159.48	36.0	312.45	1061884	2.3950 ng/ml
Norhydrocodone	3.047	22881	130.54	40.5	99.98	111179	21.5089 ng/ml
Noroxycodone	2.876	150235	909.78	50.2	29736.82	202135	24.3773 ng/ml
O-desmethyl-tramadol	3.359	743811	2033.74	6.1	1958.47	1683807	23.5612 ng/ml
o-desmethylvenlafaxine	4.056	1049037	∞	18.1	1213.36	294082	22.6304 ng/ml
Olanzapine	4.475	107986	1138.89	53.5	487.41	104107	24.3065 ng/ml
Oxazepam	5.740	264927	2801.58	70.2	452.67	573979	26.4941 ng/ml
Oxycodone	2.794	283284	748.83	30.3	462.09	449596	26.2163 ng/ml
Oxymorphone	1.398	145273	685.12	48.4	125.06	180041	25.3701 ng/ml
Phentermine	3.760	188193	211.31	5.6	114.43	782478	27.3675 ng/ml
Promethazine	5.541	605221	1606.65	30.8	4497.64	1007316	23.3987 ng/ml
Pseudoephedrine	2.535	991305	1140.25	16.9	13189.31	1593782	23.0637 ng/ml
Quetiapine	5.558	467560	819936.18	55.2	154.98	230875	26.2440 ng/ml
Sertraline	5.773	105268	322.81	97.8	228.06	166719	24.5089 ng/ml
Temazepam	5.800	445384	369.62	28.4	1231.93	908453	25.0535 ng/ml
Tramadol	4.239	712115	∞	3.8	81.94	1385011	24.8708 ng/ml
Trazodone	5.148	515842	2634.32	62.3	148314.82	671950	25.5293 ng/ml
Venlafaxine	5.036	682479	86879.81	34.9	318.88	1490050	23.6414 ng/ml
Zolpidem	4.912	662547	5377.88	29.6	1516.57	1261062	26.7071 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

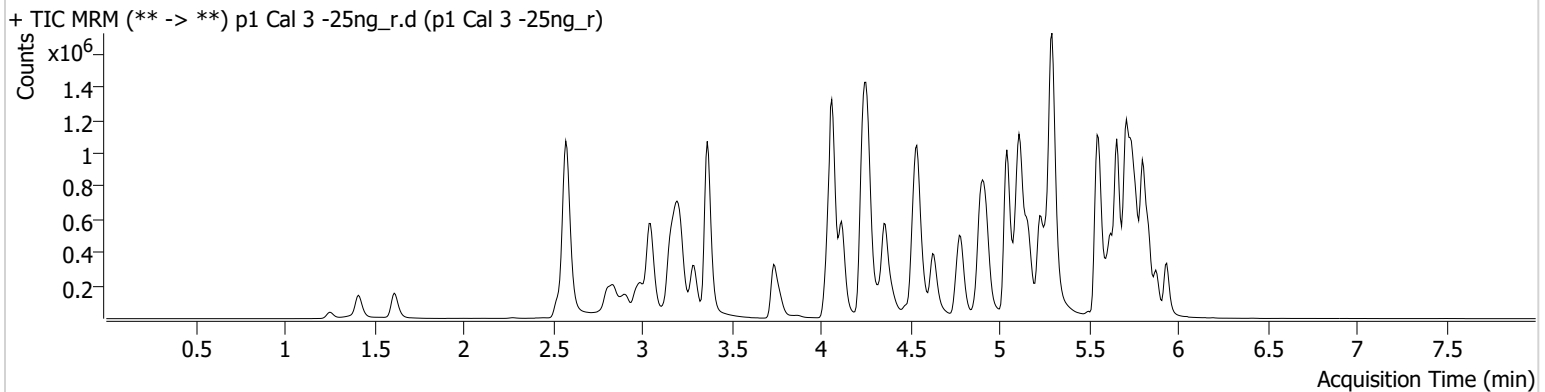
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**Instrument** Falco (069901) **Data File** p1 Cal 3 -25ng\_r.d  
**Type** Cal **Sample** p1 Cal 3 -25ng\_r  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-C1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/8/2023 11:41:23 AM  
**Sample Info.**

Re-injection data.

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	3.140	8465	1556.22	72.2	1824.09	84372	2.4638 ng/ml
7-aminoclonazepam	4.258	144250	5764.83	80.1	664.07	245105	26.5183 ng/ml
a-hydroxyalprazolam	5.689	70152	210.25	68.4	933.86	1013753	26.1032 ng/ml
alpha-PHP	4.935	136150	2861.40	264.3	1809.99	737326	26.5519 ng/ml
alpha-PVP	4.363	494999	577.04	50.6	∞	737326	24.1857 ng/ml
Alprazolam	5.766	268428	1686.20	111.2	495.04	249956	24.1089 ng/ml
Amphetamine	3.050	917636	2207.62	49.5	1083.30	415002	26.4600 ng/ml
Benzoylcegonine	3.871	10424	17678.81	7.6	644.97	14024	25.2114 ng/ml
Buprenorphine	5.837	12494	2703.08	12.8	2154.42	152227	2.4439 ng/ml
Bupropion	4.785	570565	32007.77	63.0	5311.15	682751	24.8669 ng/ml
Carisoprodol	5.721	253011	1028612.13	60.2	398.02	477008	23.3615 ng/ml
Chlordiazepoxide	5.842	96511	3185.86	94.8	1150.70	514350	27.9095 ng/ml
Chlorpheniramine	5.118	790777	18103.68	0.3	104.35	1401268	24.1301 ng/ml
Citalopram	5.225	484788	552.08	38.0	323.34	707932	24.3690 ng/ml
Clonazepam	5.608	267761	9923.70	35.2	74893.71	135972	27.1752 ng/ml
Clonazolam	5.552	175697	229448.90	36.6	60411.31	135972	25.8878 ng/ml
Cocaine	4.264	377815	6149.20	51.8	836.13	1186838	24.5347 ng/ml
Codeine	2.586	46390	596.85	103.7	455.96	70996	27.5298 ng/ml
Cyclobenzaprine	5.631	297485	273761.53	9.3	94.08	501204	23.3218 ng/ml
Dextromethorphan	5.276	250509	3528.32	83.6	148944.36	420902	24.0578 ng/ml
Dextrorphan	4.118	162539	1123.37	213.1	79856.13	728483	23.6784 ng/ml
Diazepam	5.938	206618	750.77	88.7	626.55	283676	25.6573 ng/ml
Dihydrocodeine	2.558	122211	856.37	63.4	7478.39	295093	26.8467 ng/ml
Diphenhydramine	5.297	1364049	16038.18	30.6	927.59	2339378	24.2091 ng/ml
DMT	2.852	44117	338.65	98.6	2169.64	420902	23.0806 ng/ml
Doxylamine	4.545	1034901	39129.40	99.4	25592.77	1741732	24.1615 ng/ml
Duloxetine	5.651	21707	1029.76	14.2	86.70	43066	25.2108 ng/ml
EDDP	5.262	81582	3736.43	41.9	93.26	178944	23.7993 ng/ml
Etizolam	5.804	125662	746.63	26.4	30400.70	135972	21.7609 ng/ml
Fentanyl	5.101	33536	957.35	70.9	24417.91	661273	2.5730 ng/ml
Flualprazolam	5.695	97350	4352.29	103.3	2944.35	249956	26.6671 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.162	85803	401.00	44.0	3555.98	5673	2.3762 ng/ml
Fluoxetine	5.711	290814	9925.95	7.7	30651.37	417022	24.4049 ng/ml
Hydrocodone	3.026	184270	956.80	36.4	320.29	389269	26.6884 ng/ml
Hydromorphone	1.622	163026	1088.04	76.0	5271.07	185868	25.4109 ng/ml
Hydroxyzine	5.708	420487	3187.75	69.4	2354.55	420902	22.5270 ng/ml
Ketamine	4.050	404079	17240.18	37.0	685.96	538049	26.5740 ng/ml
Lamotrigine	4.281	31551	1784.76	85.1	9350.00	1729614	26.2465 ng/ml
Lorazepam	5.737	236357	4463.83	53.7	711.40	668447	28.0660 ng/ml
MDA	3.198	691508	1373.25	27.6	1858.03	633036	26.3843 ng/ml
MDMA	3.292	350989	4460.40	90.2	1896.87	163598	25.1470 ng/ml
Meprobamate	4.901	176318	378.70	26.4	248.44	328761	27.6138 ng/ml
Methadone	5.656	750131	1316.31	49.6	992.67	1022509	24.6842 ng/ml
Methamphetamine	3.219	688647	1327.21	38.4	946.88	1029834	26.5791 ng/ml
Metoprolol	4.327	95411	479001.85	105.7	2069.53	1508920	27.0781 ng/ml
Mirtazapine	4.634	656092	2611.69	50.6	378.81	737326	23.8733 ng/ml
Mitragynine	5.236	144743	240967.27	37.3	595.46	1022509	26.1781 ng/ml
Morphine	1.261	24301	4100.36	26.3	129.14	13299	25.5816 ng/ml
Norbuprenorphine	4.997	2034	956.76	92.2	2364.63	23497	2.5793 ng/ml
Nordiazepam	5.884	178543	1346.03	58.8	1086.48	201159	25.5656 ng/ml
Norfentanyl	4.085	78144	212.64	38.2	207.29	1182165	2.3468 ng/ml
Norhydrocodone	3.067	26450	103.15	39.5	89.29	121107	22.7452 ng/ml
Noroxycodone	2.911	180257	586.33	49.2	1268.06	235147	25.1453 ng/ml
O-desmethyl-tramadol	3.372	838082	8383.87	6.0	1591.14	1861451	24.0058 ng/ml
o-desmethylvenlafaxine	4.069	1253604	64137.34	16.8	1505.48	327145	24.2464 ng/ml
Olanzapine	4.475	119486	516.26	54.5	430.99	109984	25.4505 ng/ml
Oxazepam	5.747	298196	513.93	73.1	∞	668447	25.6039 ng/ml
Oxycodone	2.835	308770	686.01	31.3	1067.25	494465	25.9763 ng/ml
Oxymorphone	1.418	164880	930.81	47.5	647.91	205688	25.2032 ng/ml
Phentermine	3.774	211395	398.26	5.4	158.68	876923	27.4328 ng/ml
Promethazine	5.548	648591	440.49	29.7	338.18	1035461	24.3776 ng/ml
Pseudoephedrine	2.583	1117176	18449.57	16.6	17118.80	1729614	23.9274 ng/ml
Quetiapine	5.558	527706	4846.22	55.6	264.61	254433	26.8905 ng/ml
Sertraline	5.780	86357	10153.51	97.4	178317.30	135547	24.7278 ng/ml
Temazepam	5.807	487974	493.11	29.2	1062.34	1013753	24.5941 ng/ml
Tramadol	4.246	816749	304.41	3.7	71.16	1508920	26.1969 ng/ml
Trazodone	5.155	579394	713702.72	63.0	1018758.94	752379	25.6094 ng/ml
Venlafaxine	5.043	758057	12145.31	34.8	256.24	1680418	23.2894 ng/ml
Zolpidem	4.919	747882	6426.59	29.8	235.29	1450932	26.1963 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

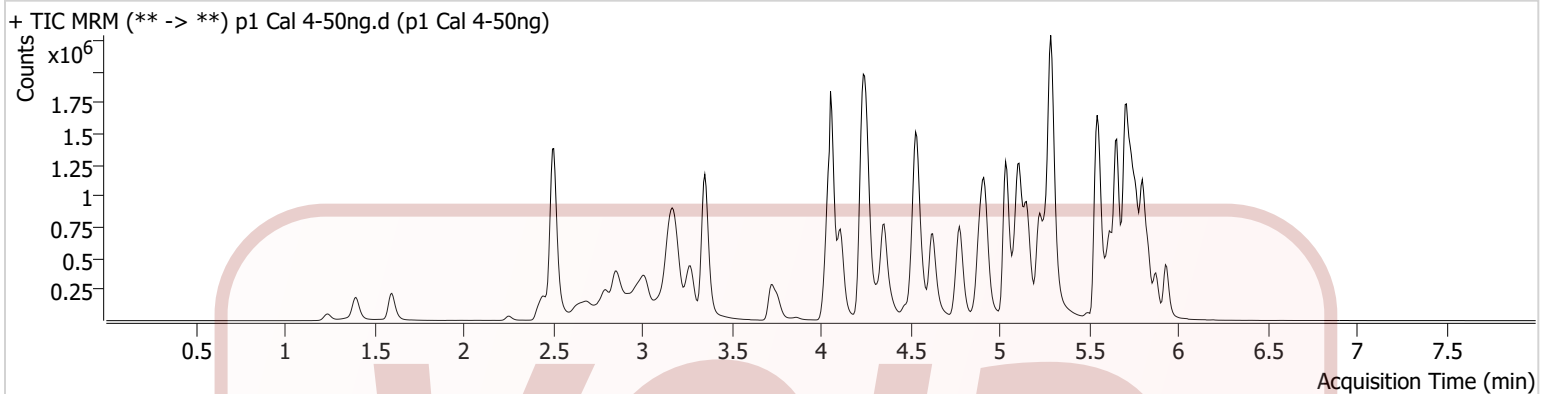
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**Calibration Last Update** 6/15/2023 11:55:15 AM

**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-D1  
**Injection Volume** 2  
**Acq. Date-Time** 6/7/2023 10:15:58 PM  
**Sample Info.** Calibrator re-injected due to poor chromatography in some compounds. Please refer to the re-injection data.

**Data File** p1 Cal 4-50ng.d  
**Sample** p1 Cal 4-50ng  
**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	3.119	15514	447.60	69.1	14379.99	75918	4.9953 ng/ml
7-aminoclonazepam	4.251	254525	175.12	78.0	7922.10	217537	53.6219 ng/ml
a-hydroxyalprazolam	5.682	104057	382.21	65.1	179.36	788808	50.2267 ng/ml
alpha-PHP	4.928	242329	10071.74	261.1	14076.89	649743	54.0296 ng/ml
alpha-PVP	4.357	887403	670.04	50.6	752.05	649743	48.8410 ng/ml
Alprazolam	5.759	458316	969.82	110.3	1439.74	210593	48.5958 ng/ml
Amphetamine	3.016	915525	276.42	43.6	548.69	375102	29.3340 ng/ml
Benzoylcegonine	3.864	18211	1186.52	8.4	165.58	12393	49.5025 ng/ml
Buprenorphine	5.830	21938	1201.48	15.1	4470.93	141119	4.5987 ng/ml
Bupropion	4.778	1012110	52882.21	63.5	1071.81	619565	48.5627 ng/ml
Carisoprodol	5.714	416950	552110.99	59.8	961.44	393386	45.8778 ng/ml
Chlordiazepoxide	5.835	149281	7065.38	98.6	1149.01	435701	51.0792 ng/ml
Chlorpheniramine	5.111	1454629	39827.65	0.3	72.20	1285037	47.4723 ng/ml
Citalopram	5.225	861417	16585.53	36.8	369.62	628797	48.3690 ng/ml
Clonazepam	5.601	420265	3471.39	34.5	377319.45	110163	53.3695 ng/ml
Clonazolam	5.545	282382	332976.50	37.1	76443.51	110163	52.0195 ng/ml
Cocaine	4.257	664113	604.35	52.3	282.76	1061912	48.6707 ng/ml
Codeine	2.539	15763	62.89	97.2	48.45	63958	9.8313 ng/ml
Cyclobenzaprine	5.625	599860	2922647.29	9.2	178.08	498753	46.8461 ng/ml
Dextromethorphan	5.269	459459	644.83	80.6	8269.98	382596	48.4065 ng/ml
Dextrorphan	4.111	290891	608167.88	208.4	1680.67	640464	48.0398 ng/ml
Diazepam	5.938	350954	304.38	89.4	1693.84	249066	49.7878 ng/ml
Dihydrocodeine	2.444	213816	541.31	63.9	219.89	261115	53.9860 ng/ml
Diphenhydramine	5.290	2430783	973.26	31.0	491.07	2123863	47.0609 ng/ml
DMT	2.811	42511	659.41	108.2	4779.37	382596	24.4554 ng/ml
Doxylamine	4.538	1823186	7386.58	101.3	36429.15	1548686	47.5693 ng/ml
Duloxetine	5.651	61174	975.67	13.7	722.93	60621	50.4934 ng/ml
EDDP	5.262	206551	1412.79	40.8	204.29	219573	47.2523 ng/ml
Etizolam	5.797	217367	2787.38	27.5	50911.10	110163	45.9326 ng/ml
Fentanyl	5.101	64799	312.93	70.3	162421.07	628965	5.2894 ng/ml
Flualprazolam	5.695	161817	4390.20	104.8	15668.41	210593	53.3511 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.156	167160	473.76	43.5	5542.71	5816	4.4606 ng/ml
Fluoxetine	5.711	604882	1988.93	8.2	95.90	447309	47.0868 ng/ml
Hydrocodone	2.999	325220	722.84	35.1	452.06	338333	55.3739 ng/ml
Hydromorphone	1.602	282779	1238.18	75.6	785658.73	164048	49.8950 ng/ml
Hydroxyzine	5.708	771964	13865.70	70.2	157989.69	382596	44.8144 ng/ml
Ketamine	4.036	722331	51727.50	37.5	470.06	486501	53.5826 ng/ml
Lamotrigine	4.274	54826	1034.08	85.6	17886.59	1568672	50.7510 ng/ml
Lorazepam	5.737	336431	1910.40	53.2	204.30	500770	54.2025 ng/ml
MDA	3.171	1188556	5112.52	27.3	1407.29	567202	51.3717 ng/ml
MDMA	3.271	627668	10891.24	91.9	2705.78	147381	49.9472 ng/ml
Meprobamate	4.895	304282	1936.44	26.2	497.47	301346	52.8563 ng/ml
Methadone	5.656	1326109	4320.80	50.3	23937.86	926350	47.6615 ng/ml
Methamphetamine	3.192	1217613	566.71	38.9	1051.61	943947	52.2781 ng/ml
Metoprolol	4.320	167435	3002.27	103.9	3007.85	1377063	52.6499 ng/ml
Mirtazapine	4.627	1206767	11483.32	49.8	6085.62	649743	49.4115 ng/ml
Mitragynine	5.230	267307	329542.06	37.2	160568.14	926350	52.4920 ng/ml
Morphine	1.240	42019	36944.54	27.2	1272.80	11695	50.5953 ng/ml
Norbuprenorphine	4.990	2360	2184.32	106.5	2500.94	19978	3.8164 ng/ml
Nordiazepam	5.877	303277	603.09	59.7	529.17	174824	49.9439 ng/ml
Norfentanyl	4.071	138309	1265.64	36.4	564.68	1032602	4.7113 ng/ml
Norhydrocodone	3.047	45750	73.69	38.1	66.84	112279	41.3052 ng/ml
Noroxycodone	2.870	129208	267.79	47.9	363.83	91611	46.3426 ng/ml
O-desmethyl-tramadol	3.352	1516176	1960.34	6.2	429.30	1688268	47.4621 ng/ml
o-desmethylvenlafaxine	4.056	2120628	54944.30	17.5	608.32	294454	44.8125 ng/ml
Olanzapine	4.475	210141	473.70	55.9	2143.10	99747	49.2074 ng/ml
Oxazepam	5.740	444694	831.21	72.0	252.88	500770	51.0486 ng/ml
Oxycodone	2.794	221341	259.13	6.3 <b>Low</b>	159.07	170690	54.6160 ng/ml
Oxymorphone	1.398	283576	4233.15	48.0	563.33	181194	49.3115 ng/ml
Phentermine	3.760	363935	2038.14	5.4	21.47	788103	53.3991 ng/ml
Promethazine	5.541	1282662	1492.55	30.1	249.61	1051103	47.1295 ng/ml
Pseudoephedrine	2.508	1979727	4099.18	16.8	399.83	1568672	46.1691 ng/ml
Quetiapine	5.558	907071	130987.44	57.4	1205338.60	231891	51.1936 ng/ml
Sertraline	5.773	238686	279.74	93.9	380.76	192010	48.0489 ng/ml
Temazepam	5.800	762869	2301.32	29.2	1008.85	788808	49.6371 ng/ml
Tramadol	4.239	1428818	∞	3.8	176.73	1377063	50.4626 ng/ml
Trazodone	5.148	1043052	48786.07	64.3	102377.94	691096	50.2318 ng/ml
Venlafaxine	5.036	1362224	673.11	35.4	510.32	1506265	46.3688 ng/ml
Zolpidem	4.912	1313890	18071.16	29.7	894.62	1278205	52.5335 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

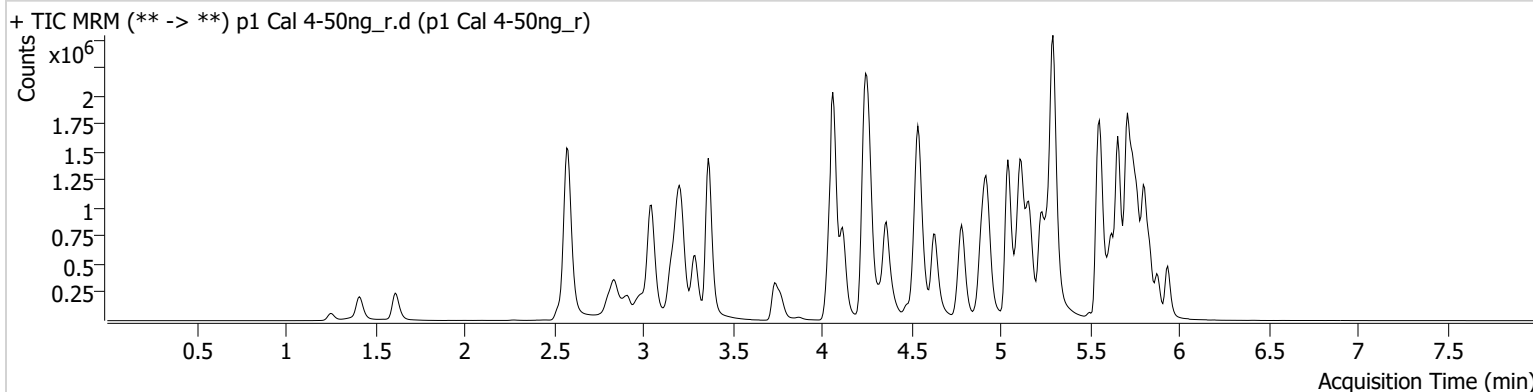
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**Calibration Last Update** 6/15/2023 11:55:15 AM

**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng\_r.d  
**Type** Cal **Sample** p1 Cal 4-50ng\_r  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/8/2023 11:52:08 AM  
**Sample Info.**

Re-injection data.

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	3.133	17455	22303.19	71.2	22565.36	86711	4.9211 ng/ml
7-aminoclonazepam	4.258	272406	5141.66	77.9	3711.54	234554	53.2185 ng/ml
a-hydroxyalprazolam	5.689	118414	1002.20	67.6	506.49	873271	51.6427 ng/ml
alpha-PHP	4.935	271345	1118.54	263.9	28315.96	742052	52.9653 ng/ml
alpha-PVP	4.363	994138	1042.43	51.4	886.96	742052	47.9157 ng/ml
Alprazolam	5.766	517400	2794.79	109.9	6070.15	236726	48.8032 ng/ml
Amphetamine	3.050	1844923	1156.05	46.5	2558.84	415066	54.4241 ng/ml
Benzoylcegonine	3.877	19992	244.81	9.3	1151.81	14348	46.9542 ng/ml
Buprenorphine	5.837	24755	769.07	15.7	3353.09	155127	4.7199 ng/ml
Bupropion	4.785	1140195	20702.76	64.2	462.37	687204	49.3229 ng/ml
Carisoprodol	5.721	425575	714064.03	58.5	867.06	393939	46.7455 ng/ml
Chlordiazepoxide	5.841	175925	6506.81	98.1	1633.62	489121	53.6288 ng/ml
Chlorpheniramine	5.118	1602684	3505.21	0.3	131.53	1448623	46.4186 ng/ml
Citalopram	5.225	971086	745.00	37.8	2565.33	719130	47.6832 ng/ml
Clonazepam	5.608	459614	9732.00	35.3	4818.09	118373	54.3321 ng/ml
Clonazolam	5.552	314281	346884.10	37.6	2012.85	118373	53.9045 ng/ml
Cocaine	4.264	739537	7859.38	51.9	7726.87	1194176	48.1906 ng/ml
Codeine	2.586	89696	985.62	101.0	239584.52	72219	53.1265 ng/ml
Cyclobenzaprine	5.631	631922	25031.07	9.4	130.78	522958	47.0640 ng/ml
Dextromethorphan	5.269	520254	14998.76	80.3	11681.58	423615	49.5011 ng/ml
Dextrorphan	4.118	323338	1402.12	211.0	923.04	709550	48.1987 ng/ml
Diazepam	5.938	371004	540.37	90.1	295.43	271101	48.3494 ng/ml
Dihydrocodeine	2.558	236969	271.89	63.8	349.60	295581	52.8358 ng/ml
Diphenhydramine	5.297	2715499	24290.30	30.8	29742.81	2353307	47.4434 ng/ml
DMT	2.852	84512	1079.03	103.2	7527.80	423615	43.7564 ng/ml
Doxylamine	4.545	2104342	11312.47	98.9	53627.64	1755389	48.4342 ng/ml
Duloxetine	5.651	49052	56428.40	13.7	437.22	48307	50.8090 ng/ml
EDDP	5.262	233734	325.68	40.9	4005.74	248555	47.2365 ng/ml
Etizolam	5.804	248903	5584.09	26.8	3241.80	118373	48.9183 ng/ml
Fentanyl	5.108	68383	259.30	72.7	84625.30	702381	4.9952 ng/ml
Flualprazolam	5.695	181044	1550.45	102.1	7351.51	236726	53.0972 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.162	187002	796.51	42.1	1971.57	5802	4.9949 ng/ml
Fluoxetine	5.711	579387	2475.02	8.0	17085.46	429180	47.0078 ng/ml
Hydrocodone	3.019	362146	1272.25	36.7	455.59	387677	53.7805 ng/ml
Hydromorphone	1.622	320892	3409.51	75.2	2462.56	186788	49.7269 ng/ml
Hydroxyzine	5.708	846093	27319.69	71.5	3073.35	423615	44.3684 ng/ml
Ketamine	4.050	796362	911.56	37.9	14232.75	545206	52.6961 ng/ml
Lamotrigine	4.281	62197	2828.25	84.2	54945.42	1749068	51.6452 ng/ml
Lorazepam	5.737	368403	2732.85	54.0	1303.07	552152	53.8236 ng/ml
MDA	3.198	1302963	9401.39	26.6	1213.96	612467	52.1670 ng/ml
MDMA	3.292	700341	8429.77	91.1	1857.81	163631	50.1960 ng/ml
Meprobamate	4.901	314823	313.73	25.8	692.63	314464	52.3977 ng/ml
Methadone	5.656	1513411	7814.86	47.7	1751.47	1048223	48.0647 ng/ml
Methamphetamine	3.219	1354230	1259.92	38.9	1884.55	1061815	51.6772 ng/ml
Metoprolol	4.327	184257	234113.11	105.2	1209.17	1565259	50.9534 ng/ml
Mirtazapine	4.634	1329901	34452.64	50.8	6679.41	742052	47.6928 ng/ml
Mitragynine	5.236	294701	473440.03	37.4	216961.01	1048223	51.1644 ng/ml
Morphine	1.253	47828	1777.60	26.8	1793.07	13569	49.6282 ng/ml
Norbuprenorphine	4.997	3182	2346.44	96.9	1358.80	23384	4.5193 ng/ml
Nordiazepam	5.884	331292	10040.50	58.4	431.63	190301	50.1203 ng/ml
Norfentanyl	4.085	156080	281.06	36.2	566.56	1147106	4.7852 ng/ml
Norhydrocodone	3.067	49431	496.24	40.8	67.13	110551	45.1990 ng/ml
Noroxycodone	2.911	343330	1260.28	49.5	802.03	225644	50.0023 ng/ml
O-desmethyl-tramadol	3.372	1686802	68102.52	6.1	626.51	1896525	47.0091 ng/ml
o-desmethylvenlafaxine	4.069	2512377	67536.51	16.8	2896.81	328053	47.5988 ng/ml
Olanzapine	4.475	235681	1306.25	55.3	274.01	111751	49.2599 ng/ml
Oxazepam	5.747	502091	389.47	72.4	5201.61	552152	52.2760 ng/ml
Oxycodone	2.835	618388	2010.95	30.9	755.70	499928	52.0691 ng/ml
Oxymorphone	1.412	321030	∞	49.5	3737.77	197928	51.1088 ng/ml
Phentermine	3.774	411242	539.15	5.3	155.64	886895	53.6226 ng/ml
Promethazine	5.548	1392736	629.18	29.7	1037.21	1122505	47.9124 ng/ml
Pseudoephedrine	2.583	2215879	13887.64	16.6	664.69	1749068	46.3442 ng/ml
Quetiapine	5.558	1027403	169785.30	57.2	30530.93	255845	52.5704 ng/ml
Sertraline	5.780	185180	356.55	93.2	427997.36	148800	48.1027 ng/ml
Temazepam	5.807	825621	∞	29.3	148.74	873271	48.5193 ng/ml
Tramadol	4.246	1582885	∞	3.8	153.67	1565259	49.1756 ng/ml
Trazodone	5.155	1181301	24117.13	64.5	336.28	791015	49.7030 ng/ml
Venlafaxine	5.042	1541269	1980.92	34.9	510.99	1672861	47.2326 ng/ml
Zolpidem	4.919	1512058	5110.50	29.5	119903.01	1456310	53.0660 ng/ml

TS



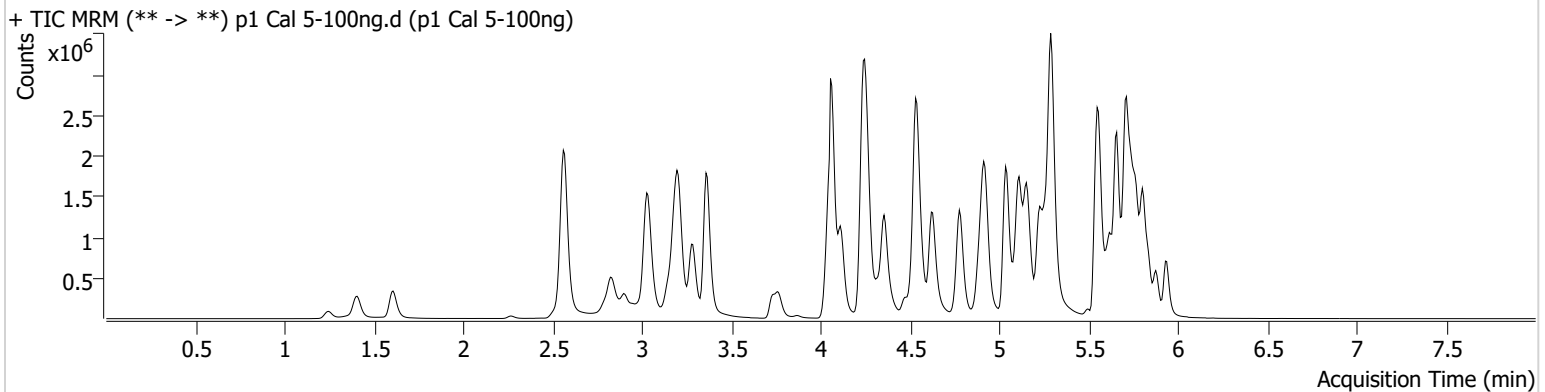
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 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** 6/7/2023 10:26:35 PM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	29667	1246.06	71.9	21030.97	73852	9.7981 ng/ml
7-aminoclonazepam	4.251	456238	9686.38	77.8	237.99	192843	109.3579 ng/ml
a-hydroxyalprazolam	5.682	179978	622.15	65.8	532.76	672846	102.3729 ng/ml
alpha-PHP	4.928	454389	1756.98	264.4	32721.62	621116	106.3573 ng/ml
alpha-PVP	4.357	1699083	18687.17	51.6	16593.30	621116	97.4731 ng/ml
Alprazolam	5.759	851971	1022.73	108.2	804.02	187915	100.9612 ng/ml
Amphetamine	3.037	2899477	4532.17	47.4	2469.35	352060	101.8818 ng/ml
Benzoylcegonine	3.871	27521	198.35	7.8	424.16	9072	101.8189 ng/ml
Buprenorphine	5.830	43212	22752.19	14.8	10282.76	130044	9.7914 ng/ml
Bupropion	4.778	2005633	45170.22	63.4	987.94	588905	101.1909 ng/ml
Carisoprodol	5.714	718494	687.89	57.2	357.97	312228	98.6633 ng/ml
Chlordiazepoxide	5.835	273939	4275.74	100.3	3038.20	397746	102.8208 ng/ml
Chlorpheniramine	5.111	2822452	8501.22	0.3	103.26	1222246	95.8827 ng/ml
Citalopram	5.225	1619111	19153.19	37.1	455.04	576068	98.8345 ng/ml
Clonazepam	5.601	721910	1190.05	34.6	635530.18	98123	103.6414 ng/ml
Clonazolam	5.545	484047	124592.77	37.8	190395.48	98123	100.7352 ng/ml
Cocaine	4.257	1256575	14896.97	51.9	11000.32	976461	100.6652 ng/ml
Codeine	2.573	145415	316.87	101.7	11885.68	58835	106.5999 ng/ml
Cyclobenzaprine	5.625	1115717	46829.04	9.0	140.58	433710	99.7418 ng/ml
Dextromethorphan	5.269	866667	316649.39	80.5	9704.11	341611	102.1147 ng/ml
Dextrorphan	4.118	557076	557.28	208.7	2958.19	591346	99.4749 ng/ml
Diazepam	5.938	662775	496.25	87.6	1777.74	226217	103.6951 ng/ml
Dihydrocodeine	2.538	400457	3042.63	62.9	2137.08	250814	106.1414 ng/ml
Diphenhydramine	5.290	4701267	6973.17	30.7	25709.73	1934747	99.3808 ng/ml
DMT	2.838	151407	1962.00	102.6	10935.93	341611	96.9751 ng/ml
Doxylamine	4.538	3701348	72251.69	98.7	131472.88	1493822	99.7801 ng/ml
Duloxetine	5.651	106612	4925.33	13.8	90.63	53586	99.5709 ng/ml
EDDP	5.262	515793	510.04	41.8	4981.84	271408	93.6826 ng/ml
Etizolam	5.804	395832	9622.40	27.2	151893.55	98123	93.4228 ng/ml
Fentanyl	5.101	120265	4742.03	71.9	104535.29	581823	10.6733 ng/ml
Flualprazolam	5.695	284276	2694.29	106.7	13556.13	187915	105.7735 ng/ml



TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.156	306100	411.04	44.3	4392.27	4665	10.1065 ng/ml
Fluoxetine	5.711	1061986	600.63	8.2	5370.37	376802	97.8650 ng/ml
Hydrocodone	3.013	581788	546.99	37.0	110.38	321271	105.3312 ng/ml
Hydromorphone	1.609	539899	706.00	76.1	3193.33	155880	100.2079 ng/ml
Hydroxyzine	5.708	1439542	12251.69	72.8	10887.91	341611	92.8660 ng/ml
Ketamine	4.043	1356534	2895.89	37.4	3933.69	455986	108.4363 ng/ml
Lamotrigine	4.274	104093	1296.77	84.0	86762.47	1377501	110.3173 ng/ml
Lorazepam	5.737	536742	11599.39	53.7	465.83	418241	104.4246 ng/ml
MDA	3.184	2023502	9426.36	27.1	663.28	497534	100.4841 ng/ml
MDMA	3.285	1194730	6895.35	90.4	4878.14	135117	103.7324 ng/ml
Meprobamate	4.895	536983	16405.51	26.4	451.67	287068	98.7545 ng/ml
Methadone	5.656	2512090	2295.23	50.6	839.36	858387	96.8799 ng/ml
Methamphetamine	3.212	2309158	32228.91	38.7	11136.68	903099	104.6927 ng/ml
Metoprolol	4.320	322249	341935.10	104.2	18935.39	1263999	111.0854 ng/ml
Mirtazapine	4.627	2300356	4527.93	50.5	3572.23	621116	98.1474 ng/ml
Mitragynine	5.230	504821	539706.67	36.7	214919.25	858387	106.1110 ng/ml
Morphine	1.247	82954	958.87	26.7	188.32	11367	103.0757 ng/ml
Norbuprenorphine	4.990	5663	5297.21	96.1	38.51	19287	10.6885 ng/ml
Nordiazepam	5.877	559773	285106.22	58.9	728.16	159430	101.0591 ng/ml
Norfentanyl	4.078	259991	11704.25	37.4	398.79	899341	10.1186 ng/ml
Norhydrocodone	3.060	81300	222.87	39.7	103.42	81574	99.1435 ng/ml
Noroxycodone	2.904	526429	836.87	49.7	1274.36	175154	98.8606 ng/ml
O-desmethyl-tramadol	3.366	2910241	164388.76	6.0	10602.96	1551639	98.6620 ng/ml
o-desmethylvenlafaxine	4.063	4122555	80354.95	17.4	2744.41	270995	93.7011 ng/ml
Olanzapine	4.468	469655	9315.19	55.3	1167.61	111672	98.0775 ng/ml
Oxazepam	5.740	761958	483.01	72.3	332.27	418241	104.8144 ng/ml
Oxycodone	2.822	1039355	2374.92	30.8	1080.91	415481	105.9423 ng/ml
Oxymorphone	1.405	539823	∞	47.3	∞	168314	101.1696 ng/ml
Phentermine	3.767	688143	2186.44	5.3	109.47	744105	107.8684 ng/ml
Promethazine	5.541	2408002	35862.48	30.9	982.76	953116	97.1654 ng/ml
Pseudoephedrine	2.569	3690990	63209.50	16.6	20259.97	1377501	97.3372 ng/ml
Quetiapine	5.558	1685483	39499.39	57.7	1094.54	211217	104.9987 ng/ml
Sertraline	5.773	398325	509.99	95.8	45211.69	154334	99.5343 ng/ml
Temazepam	5.807	1356375	8080.53	29.1	3186.72	672846	103.7050 ng/ml
Tramadol	4.239	2740479	∞	3.6	240.13	1263999	105.7369 ng/ml
Trazodone	5.148	1988374	62684.73	65.4	75741.87	639889	103.4646 ng/ml
Venlafaxine	5.036	2614974	70519.63	35.3	625.67	1409856	94.7622 ng/ml
Zolpidem	4.912	2565800	4174.27	28.7	1100935.79	1228712	107.0245 ng/ml

TS



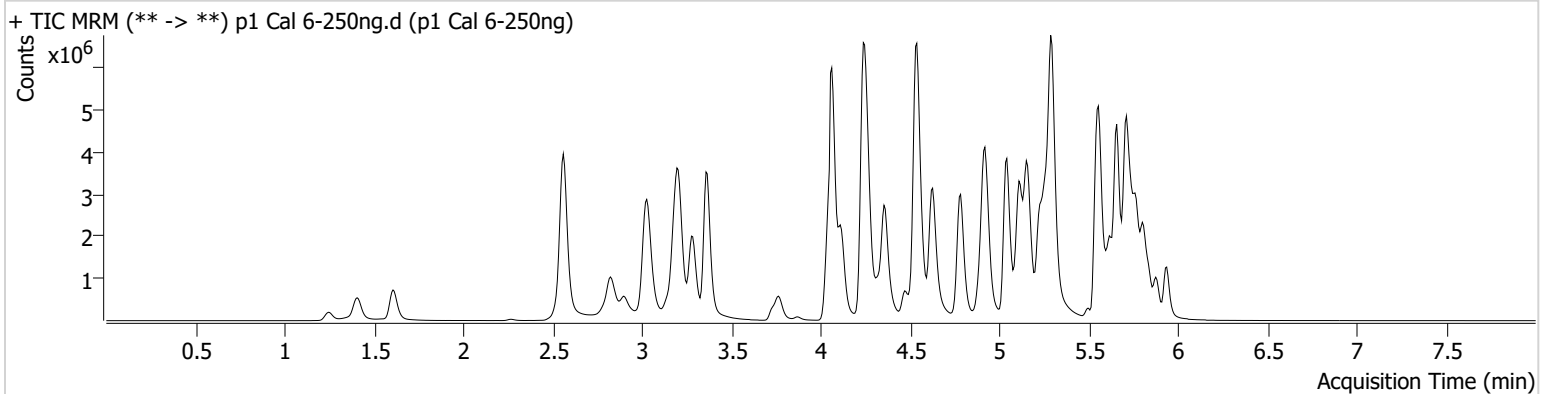
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 AM

**Instrument** Falco (069901) **Data File** p1 Cal 6-250ng.d  
**Type** Cal **Sample** p1 Cal 6-250ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-F1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/7/2023 10:37:13 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	3.126	75917	1742.58	69.4	213.21	72929	25.3555 ng/ml
7-aminoclonazepam	4.251	832824	11807.76	78.9	15187.64	162008	238.6875 ng/ml
a-hydroxyalprazolam	5.682	279796	751.40	68.1	367.34	458691	234.1129 ng/ml
alpha-PHP	4.935	1022497	2501.87	263.4	6927.16	597794	249.1950 ng/ml
alpha-PVP	4.363	4185931	31042.06	50.8	11546.24	597794	248.9611 ng/ml
Alprazolam	5.759	1792912	1897.15	105.3	935.25	156427	254.8433 ng/ml
Amphetamine	3.030	5899524	3132.40	47.2	2518.72	351477	208.9093 ng/ml
Benzoylcegonine	3.871	75883	262.91	8.1	99.20	9729	261.2430 ng/ml
Buprenorphine	5.830	105011	30040.90	14.6	16495.96	121084	25.5008 ng/ml
Bupropion	4.785	4941602	105165.90	62.5	1536.51	571094	257.0209 ng/ml
Carisoprodol	5.721	1145045	381.89	58.1	331.69	195082	250.4079 ng/ml
Chlordiazepoxide	5.842	518939	8929.54	108.1	2563.32	333389	232.5578 ng/ml
Chlorpheniramine	5.118	7045602	28830.35	0.3	610.55	1171964	248.1365 ng/ml
Citalopram	5.225	3669769	103217.91	36.5	400046.31	509660	252.6046 ng/ml
Clonazepam	5.601	1344206	1878.75	35.1	1156.51	78303	242.8603 ng/ml
Clonazolam	5.545	822452	2035.40	39.0	217022.15	78303	215.2492 ng/ml
Cocaine	4.257	2864845	1309.96	52.0	822.83	905772	248.1277 ng/ml
Codeine	2.566	290603	327.90	102.6	4474.81	52845	238.2674 ng/ml
Cyclobenzaprine	5.625	2468124	30979.79	8.8	396.97	378608	252.1391 ng/ml
Dextromethorphan	5.269	1870756	639.84	79.0	27478.79	297971	252.5067 ng/ml
Dextrorphan	4.118	1301064	1800.04	212.7	24136.92	548012	250.4618 ng/ml
Diazepam	5.938	1352530	10058.14	89.9	13292.09	192801	248.5135 ng/ml
Dihydrocodeine	2.531	940097	317.28	64.9	439.72	250339	250.8967 ng/ml
Diphenhydramine	5.297	10683282	92249.30	29.9	46007.60	1708000	255.0677 ng/ml
DMT	2.838	334532	4049.80	116.1	3442.67	297971	245.3509 ng/ml
Doxylamine	4.538	9846405	244599.97	95.1	401406.91	1473344	268.6043 ng/ml
Duloxetine	5.651	194272	5122.96	13.8	603.26	37068	262.3320 ng/ml
EDDP	5.262	2212265	91631.21	41.2	12992.05	439710	245.1428 ng/ml
Etizolam	5.804	854465	9321.84	27.0	270238.74	78303	251.9224 ng/ml
Fentanyl	5.101	282433	16554.16	68.7	9167.34	556319	26.3025 ng/ml
Flualprazolam	5.695	533737	7818.11	106.7	16626.14	156427	239.5216 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.156	745939	955.37	43.7	3585.40	4706	24.3254 ng/ml
Fluoxetine	5.711	1876064	73959.12	8.2	5054.17	259657	250.4861 ng/ml
Hydrocodone	3.013	1326954	286.83	37.0	346.75	308723	251.5786 ng/ml
Hydromorphone	1.609	1285073	4064981.87	76.3	4372.39	149814	248.1044 ng/ml
Hydroxyzine	5.708	3236083	2095.28	74.2	4306.08	297971	238.2804 ng/ml
Ketamine	4.043	3050297	6292.14	36.6	12466.78	437992	255.2820 ng/ml
Lamotrigine	4.274	209988	1375.26	85.5	4692.32	1224809	250.9286 ng/ml
Lorazepam	5.737	739312	13784.99	53.8	1419.41	254151	237.9353 ng/ml
MDA	3.184	3821002	9457.58	26.3	4949.20	422580	224.4122 ng/ml
MDMA	3.285	2802690	8299.10	90.1	62385.24	129457	254.0267 ng/ml
Meprobamate	4.895	1013773	30558.84	25.7	232.65	252973	212.6874 ng/ml
Methadone	5.656	6125738	97160.41	47.5	792.92	784945	257.4596 ng/ml
Methamphetamine	3.205	5598113	19667.17	38.0	2322.33	937340	245.9840 ng/ml
Metoprolol	4.320	723132	17517.22	105.7	2808.29	1221777	258.7238 ng/ml
Mirtazapine	4.627	5645382	181711.66	50.0	251003.48	597794	249.6675 ng/ml
Mitragynine	5.236	1116219	1915003.54	37.5	399549.20	784945	255.3868 ng/ml
Morphine	1.247	199293	10802.82	26.5	5894.12	11287	249.8252 ng/ml
Norbuprenorphine	4.997	13097	14737.68	97.4	10856.36	19789	25.1113 ng/ml
Nordiazepam	5.877	1134187	60223.07	58.6	1362.76	129394	252.2550 ng/ml
Norfentanyl	4.078	559306	15753.71	37.5	∞	710318	27.4864 ng/ml
Norhydrocodone	3.060	189290	153.39	40.5	291.78	70124	266.2938 ng/ml
Noroxycodone	2.897	1060162	458.34	49.6	11250.60	137575	253.6204 ng/ml
O-desmethyl-tramadol	3.366	7326593	2626.70	5.9	4402.05	1524415	252.1569 ng/ml
o-desmethylvenlafaxine	4.063	9915365	117774.80	16.3	9491.02	237981	255.1326 ng/ml
Olanzapine	4.468	1298455	4336.48	55.7	506.60	121054	249.8977 ng/ml
Oxazepam	5.740	1123834	18834.20	72.6	594.26	254151	254.5230 ng/ml
Oxycodone	2.822	2365856	8704.87	30.6	2653.04	412123	243.9287 ng/ml
Oxymorphone	1.405	1240040	∞	47.9	∞	158682	246.6645 ng/ml
Phentermine	3.767	1487628	5097.92	5.2	115.67	738719	235.9813 ng/ml
Promethazine	5.541	5749354	3205.67	29.3	1587.86	886685	248.7743 ng/ml
Pseudoephedrine	2.562	8507842	166169.16	15.8	78905.68	1224809	251.3633 ng/ml
Quetiapine	5.558	3754140	7346.59	57.5	314801.56	197765	250.5197 ng/ml
Sertraline	5.773	720323	544.55	94.4	34056.83	109506	253.3553 ng/ml
Temazepam	5.807	2248457	23739.90	29.3	686.48	458691	252.4912 ng/ml
Tramadol	4.239	6527679	∞	3.6	282.16	1221777	260.9557 ng/ml
Trazodone	5.155	4615349	267102.37	68.7	109830.97	624716	246.0497 ng/ml
Venlafaxine	5.043	6655321	65440.50	33.6	10552.42	1333427	254.4612 ng/ml
Zolpidem	4.912	6124199	8161.19	27.8	153308.64	1213780	259.0113 ng/ml



TS



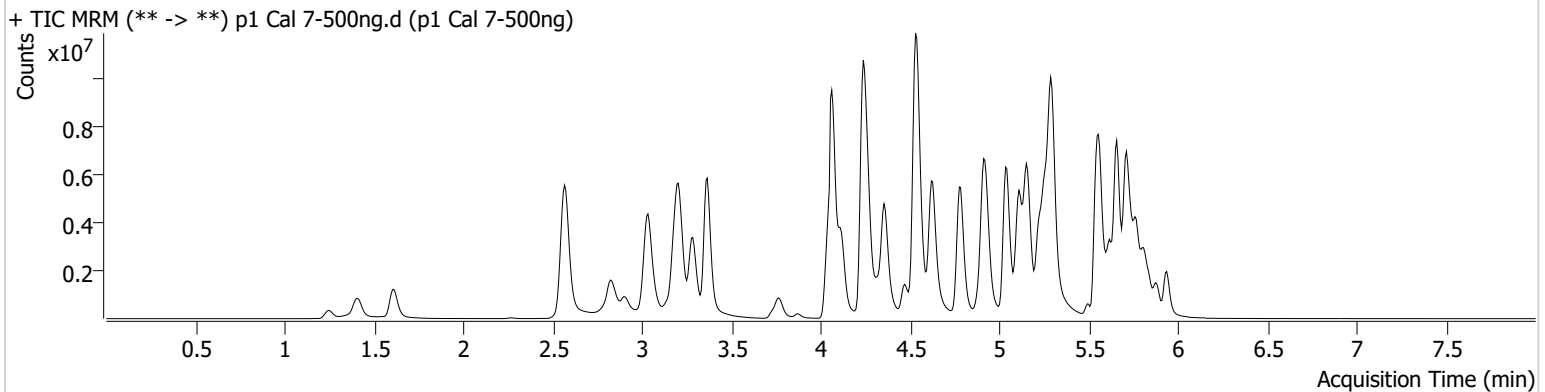
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 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** 6/7/2023 10:47:51 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	3.133	149312	1395.41	70.0	53060.33	72871	49.8868 ng/ml
7-aminoclonazepam	4.251	1043677	1004.11	79.0	9307.38	114405	424.2847 ng/ml
a-hydroxyalprazolam	5.682	380266	158.15	66.6	247.33	298457	489.5589 ng/ml
alpha-PHP	4.935	1782336	4544.83	265.2	6746.65	543817	477.8520 ng/ml
alpha-PVP	4.357	7900148	155675.72	50.8	3269.26	543817	516.1280 ng/ml
Alprazolam	5.759	2889083	1721.63	105.4	724.67	124255	516.7166 ng/ml
Amphetamine	3.037	8881910	152413.46	47.1	5209.52	340048	325.7696 ng/ml
Benzoylcegonine	3.871	187759	6008.56	8.5	585.69	12637	497.3261 ng/ml
Buprenorphine	5.830	201902	61904.60	14.6	65927.40	105629	56.1626 ng/ml
Bupropion	4.785	9472369	280904.40	62.3	∞	560901	501.5804 ng/ml
Carisoprodol	5.721	1410431	202.51	60.7	170.21	117734	510.2457 ng/ml
Chlordiazepoxide	5.841	793462	19768.03	116.6	6970.42	270395	438.5483 ng/ml
Chlorpheniramine	5.111	12901246	30183.79	0.3	1249.34	1039077	511.4884 ng/ml
Citalopram	5.218	5916388	24656.29	34.8	41304.13	393257	527.3772 ng/ml
Clonazepam	5.601	2217824	2196.54	34.5	718.14	64943	483.8908 ng/ml
Clonazolam	5.545	1071297	1217561.03	40.0	2481.22	64943	338.4380 ng/ml
Cocaine	4.257	4960763	559.81	51.7	833.32	758634	513.5109 ng/ml
Codeine	2.580	439271	442.64	98.3	26706.94	46920	406.2619 ng/ml
Cyclobenzaprine	5.625	4161320	121213.59	8.1	215.76	308394	521.4714 ng/ml
Dextromethorphan	5.269	2747498	42787.17	78.3	75106.27	213708	516.9271 ng/ml
Dextrorphan	4.118	2351218	37642.85	213.0	67840.66	484303	512.0021 ng/ml
Diazepam	5.938	2291592	27598.19	86.6	689.81	163140	497.7724 ng/ml
Dihydrocodeine	2.545	1531480	258.10	64.8	291.65	252107	406.4330 ng/ml
Diphenhydramine	5.297	17553673	221408.86	30.0	74691.08	1349453	529.9416 ng/ml
DMT	2.845	597901	10099.35	123.7	6447.44	213708	611.1244 ng/ml
Doxylamine	4.531	18556135	268049.31	97.4	312572.67	1409017	529.0120 ng/ml
Duloxetine	5.651	248067	2016.93	14.5	3945.80	24789	500.9105 ng/ml
EDDP	5.262	5991022	68180.36	40.3	132137.38	556686	522.3851 ng/ml
Etizolam	5.804	1422086	13121.82	26.4	251794.41	64943	505.0559 ng/ml
Fentanyl	5.094	466764	330.73	67.1	1289555.42	488836	49.5230 ng/ml
Flualprazolam	5.688	739889	657.06	113.7	649461.08	124255	418.5727 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.156	1221745	967.17	44.1	426938.62	3952	47.3929 ng/ml
Fluoxetine	5.711	2341354	1435.71	8.1	171.85	160228	506.3417 ng/ml
Hydrocodone	3.013	2401900	∞	38.2	∞	304450	462.7263 ng/ml
Hydromorphone	1.609	2403377	5640974.34	76.3	4418997.71	137266	506.3802 ng/ml
Hydroxyzine	5.708	5479936	4459.35	73.1	20482.26	213708	561.6857 ng/ml
Ketamine	4.036	5227795	∞	35.7	12134.33	410996	467.1411 ng/ml
Lamotrigine	4.281	318035	3533.49	85.5	92942.99	966791	481.9307 ng/ml
Lorazepam	5.737	824303	25850.95	54.2	435.31	152837	441.9763 ng/ml
MDA	3.178	5232353	46971.46	25.6	5559.51	359255	361.9741 ng/ml
MDMA	3.285	4686581	41443.47	96.8	13532.39	112519	488.7457 ng/ml
Meprobamate	4.888	1394528	53426.14	26.6	154.15	234181	316.5245 ng/ml
Methadone	5.656	10605757	103178.45	48.9	3087.77	672261	519.9242 ng/ml
Methamphetamine	3.205	10201103	100502.73	36.6	20872.46	959151	438.8951 ng/ml
Metoprolol	4.320	1214230	1152509.19	104.8	8275.70	1097536	484.1547 ng/ml
Mirtazapine	4.627	10664883	16043.75	49.1	474484.58	543817	518.0562 ng/ml
Mitragynine	5.230	1826016	44978.94	37.4	450535.44	672261	487.0510 ng/ml
Morphine	1.247	360287	794.68	26.8	∞	10264	496.9827 ng/ml
Norbuprenorphine	4.990	27075	19613.19	88.4	23166.61	20661	50.5165 ng/ml
Nordiazepam	5.884	1739300	15648.74	59.9	397.22	102525	488.1923 ng/ml
Norfentanyl	4.078	930395	11606.89	37.8	5143.43	502111	64.6245 ng/ml
Norhydrocodone	3.060	363384	139.21	41.3	103.19	63816	560.2932 ng/ml
Noroxycodone	2.904	1716967	692.89	50.3	4106.29	113857	496.4022 ng/ml
O-desmethyl-tramadol	3.366	13849320	110931.45	5.8	22236.02	1349072	538.1170 ng/ml
o-desmethylvenlafaxine	4.063	16939455	314082.79	16.4	5056.09	197968	523.0607 ng/ml
Olanzapine	4.468	2579001	6506.58	56.0	907.94	117255	512.2642 ng/ml
Oxazepam	5.740	1216261	213.53	77.9	146.36	152837	458.1170 ng/ml
Oxycodone	2.822	4110216	∞	30.7	2193.64	398414	438.8585 ng/ml
Oxymorphone	1.405	2311659	∞	47.7	∞	137843	529.4726 ng/ml
Phentermine	3.767	2523064	4870.81	5.1	1394.48	727447	407.1028 ng/ml
Promethazine	5.541	9722943	3126.44	29.0	923.24	691841	538.7510 ng/ml
Pseudoephedrine	2.569	14050980	3959.47	15.5	14485.64	966791	525.2591 ng/ml
Quetiapine	5.558	6328685	147709.80	58.5	82407.03	173869	480.8609 ng/ml
Sertraline	5.773	966465	17912.98	91.2	872.35	73673	505.0550 ng/ml
Temazepam	5.807	2972752	107831.87	28.5	5472.83	298457	513.2774 ng/ml
Tramadol	4.239	11316951	3660.51	3.6	273.05	1097536	503.8781 ng/ml
Trazodone	5.148	7968445	1816.70	69.9	59133.12	533885	497.1234 ng/ml
Venlafaxine	5.036	12307603	3335.68	32.2	1814.21	1171276	535.3643 ng/ml
Zolpidem	4.912	10896333	296007.73	27.3	2548.72	1166347	479.8314 ng/ml

TS



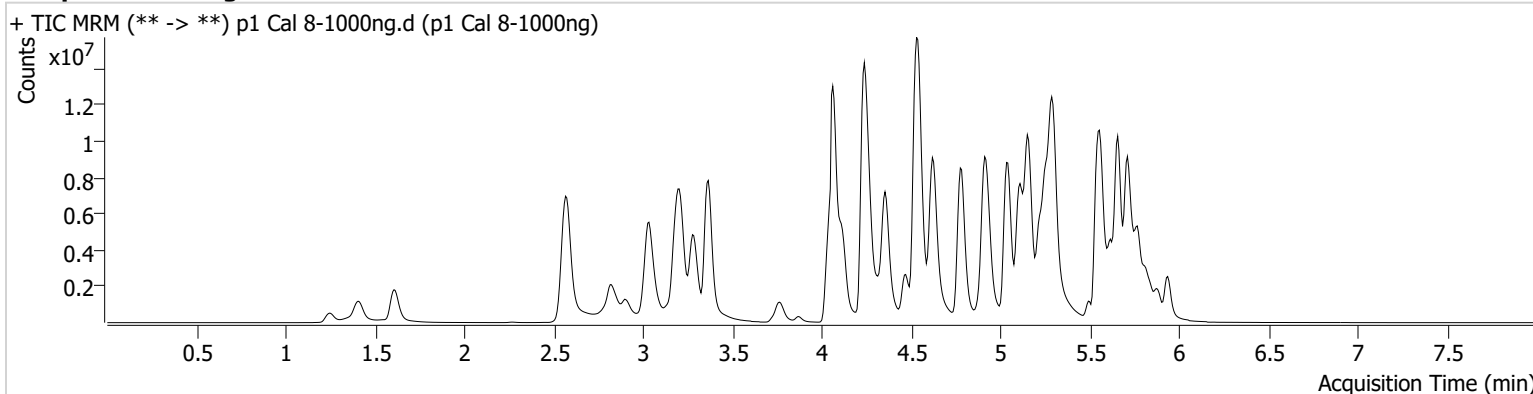
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\060623 AM 27 28 TS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 6/15/2023 11:55:15 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** 6/7/2023 10:58:27 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	3.133	273461	3138.81	67.4	3237.54	65079	102.2823 ng/ml
7-aminoclonazepam	4.251	948852	4494.79	78.5	3841.16	65855	670.6440 ng/ml
a-hydroxyalprazolam	5.682	359845	459.79	68.2	952.43	139856	989.1583 ng/ml
alpha-PHP	4.935	2615669	19402.73	274.1	396761.78	430164	886.8896 ng/ml
alpha-PVP	4.357	12989631	112494.14	50.1	1424.02	430164	1072.4686 ng/ml
Alprazolam	5.759	3697573	481.59	105.2	338.99	82850	991.5801 ng/ml
Amphetamine	3.037	11650880	5389.17	46.8	34089.81	302875	480.3550 ng/ml
Benzoylcegonine	3.871	314088	1301.67	8.4	970.85	10501	1000.7908 ng/ml
Buprenorphine	5.830	345157	29341.79	14.9	60451.27	79769	127.0943 ng/ml
Bupropion	4.778	15885457	1710.96	61.0	38617.17	483784	975.2041 ng/ml
Carisoprodol	5.721	1354215	222.64	59.7	132.05	51357	1122.1257 ng/ml
Chlordiazepoxide	5.842	895492	3909.39	128.3 High	11517.99	173659	770.7554 ng/ml
Chlorpheniramine	5.111	21019230	62196.73	0.3	476.99	866759	998.1306 ng/ml
Citalopram	5.218	7774031	111360.83	36.1	200424.14	268338	1015.2058 ng/ml
Clonazepam	5.601	2287828	17432.91	35.5	28860.11	38111	851.1975 ng/ml
Clonazolam	5.538	973899	165196.87	39.3	211766.86	38111	524.6603 ng/ml
Cocaine	4.264	7507604	849.22	50.8	551.39	573479	1028.5466 ng/ml
Codeine	2.580	609329	124.70	98.3	9721.14	33561	788.6882 ng/ml
Cyclobenzaprine	5.625	6521972	57845.28	8.3	2084.29	235013	1072.0627 ng/ml
Dextromethorphan	5.269	3671566	32039.82	79.9	18023.85	150377	981.5890 ng/ml
Dextrorphan	4.118	3628813	40650.47	220.8	321113.09	358000	1068.8325 ng/ml
Diazepam	5.938	3224956	∞	87.3	9041.01	117669	971.3643 ng/ml
Dihydrocodeine	2.538	2292185	331.94	66.1	260.13	231513	663.0075 ng/ml
Diphenhydramine	5.297	23738481	160051.34	32.1	68816.47	954076	1013.2154 ng/ml
DMT	2.838	942473	5785.14	129.3 High	7837.52	150377	1368.7778 ng/ml
Doxylamine	4.531	28106547	9128.75	97.6	155386.53	1213729	929.9745 ng/ml
Duloxetine	5.644	311168	1367.20	14.9	124.49	15803	985.6412 ng/ml
EDDP	5.255	10552261	93361.37	39.0	54791.29	462416	1105.7231 ng/ml
Etizolam	5.804	1978208	5220.85	26.8	479926.61	38111	1196.5812 ng/ml
Fentanyl	5.094	753925	2115.62	68.7	653884.72	448667	87.1979 ng/ml
Flualprazolam	5.688	799323	11843.79	111.5	32453.23	82850	678.6558 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluorofentanyl	5.162	2146757	196758.10	44.9	9574.02	2910	112.9976 ng/ml
Fluoxetine	5.711	3435906	461.80	8.1	5590.72	108657	1095.4197 ng/ml
Hydrocodone	3.013	3855904	416.94	38.5	∞	262462	862.6654 ng/ml
Hydromorphone	1.609	3927105	14172140.86	76.5	8066274.75	114657	990.5341 ng/ml
Hydroxyzine	5.708	8209190	107635.12	74.3	97064.98	150377	1195.0414 ng/ml
Ketamine	4.036	7846228	68000.03	35.2	8056.15	336475	857.2893 ng/ml
Lamotrigine	4.281	384810	1533.80	84.4	1613.39	668567	843.6047 ng/ml
Lorazepam	5.737	729788	20198.10	54.6	328.03	65009	921.0086 ng/ml
MDA	3.178	6503807	64984.16	25.3	4549.96	251633	643.0086 ng/ml
MDMA	3.285	7279902	9260.30	91.7	27774.91	87942	971.3910 ng/ml
Meprobamate	4.888	1710591	12043.96	25.6	4488.69	186714	487.4969 ng/ml
Methadone	5.656	16222245	1147.62	49.6	62772.75	532505	1003.4804 ng/ml
Methamphetamine	3.205	15463145	59219.08	36.3	73141.60	898387	710.9591 ng/ml
Metoprolol	4.320	1702727	119157.65	104.7	52070.66	929984	801.6687 ng/ml
Mirtazapine	4.620	17697555	543933.87	48.6	16787.94	430164	1086.3848 ng/ml
Mitragynine	5.230	2507286	61635.60	39.0	500210.51	532505	843.6668 ng/ml
Morphine	1.247	602844	3748.59	26.9	∞	8920	957.1005 ng/ml
Norbuprenorphine	4.990	48046	4819.76	91.7	282.85	18837	99.0952 ng/ml
Nordiazepam	5.884	2178043	24931.76	58.4	4033.60	64790	967.3692 ng/ml
Norfentanyl	4.078	1201078	36093.41	38.6	5999.29	283901	147.4934 ng/ml
Norhydrocodone	3.060	608646	∞	41.6	∞	47231	1266.3399 ng/ml
Noroxycodone	2.904	2345990	621.33	49.8	519.43	77154	1001.0163 ng/ml
O-desmethyl-tramadol	3.367	21383574	130657.17	6.0	1397.75	1092887	1025.2407 ng/ml
o-desmethylvenlafaxine	4.063	24746172	199622.44	16.3	5214.11	139277	1085.1923 ng/ml
Olanzapine	4.468	4923871	9596.60	56.7	8901.41	116525	984.0113 ng/ml
Oxazepam	5.740	1072791	16963.12	72.3	97.07	65009	950.0858 ng/ml
Oxycodone	2.815	6063552	∞	30.9	∞	349628	738.1871 ng/ml
Oxymorphone	1.405	3439199	∞	50.2	∞	118518	916.2535 ng/ml
Phentermine	3.767	3573547	∞	5.3	1089.15	656818	639.1310 ng/ml
Promethazine	5.541	16311677	63769.52	29.3	2121.47	605909	1031.6686 ng/ml
Pseudoephedrine	2.576	20052318	122295.73	15.3	33773.76	668567	1083.3252 ng/ml
Quetiapine	5.558	8629299	192330.85	58.4	109799.74	131806	865.3379 ng/ml
Sertraline	5.773	1627626	15938.37	92.3	935.11	60307	1038.8541 ng/ml
Temazepam	5.807	2661963	27945.13	30.0	858.07	139856	981.0398 ng/ml
Tramadol	4.232	16518725	862.87	3.4	1001.70	929984	868.1861 ng/ml
Trazodone	5.155	12975644	91056.41	72.5	53617.99	441792	978.2893 ng/ml
Venlafaxine	5.036	19165471	414034.10	32.5	34118.83	902359	1081.7943 ng/ml
Zolpidem	4.912	16492942	226674.94	27.7	109599.60	1019536	831.0828 ng/ml