



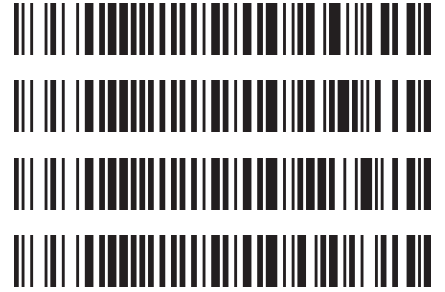
Worklist: 6680

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-5277	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0262	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0282	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0283	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0305	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0310	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0058	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0071	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0083	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0085	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0182	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0197	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0205	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0227	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0228	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0229	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0231	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0248	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0263	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0279	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0288	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 6680**



<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-0326	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0327	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0329	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0353	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 02/12/2024

Plate lot#: 231215

**Mobile phase A:** 5mM Amm Form + 0.01% FA  
Instant Buffer I

**Blank Blood Lot:** Lampire 23E52981

**LCMS-QQQ ID:** 069901

Analyst: Celena Shrum

Plate Retest Date: 06/15/2024

**Mobile phase B:** 0.01% Formic Acid in MeOH  
Ethyl Acetate LC Methanol

**Column:** Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

### 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.

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Using a calibrated pipette, pipette **250µL blood** into the appropriate wells of the analytical (standards) plate.  
**Pipette ID: 16**
- 3. Pipette **250µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer **300L of blood+base** mixture to corresponding wells of SLE+ plate.
- 6. 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). Manifold ID: 067104*
- 7. Wait 5 minutes.
- 8. Add **900uL ethyl acetate**.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 11. Add **900uL ethyl acetate**.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 14. Remove plate containing eluate.
- 15. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- 16. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 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:

Curve Limits:

Alpha-PHP 5-500 --calibrator 8 dropped due to accuracy

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

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

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

Codeine 5-500 --calibrator 8 dropped due to linearity

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

Diphenhydramine- Qualitative only due to QC 100 accuracy

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

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

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

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

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

Meprobamate- 5-100 --calibrators 6, 7 and 8 dropped due to accuracy- qualitative only

Methadone not evaluated due to QC 100 ratio

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

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

Morphine not evaluated due to QC 100 ratio

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

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

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

The lamotrigine concentration listed on the printouts is incorrect and should be 10-fold less.

8

	1	2	3	4	5	6	7	8	9	10	11	12
A									P2024-0071-2	P2024-0229-1	P2024-0329-1	IS + Cal. 8
B								M2023-5277-1	P2024-0083-1	P2024-0231-1	P2024-0353-1	IS + Cal. 7
C								M2024-0262-1	P2024-0085-1	P2024-0248-1	Neg Ctrl	IS + Cal. 6
D								M2024-0282-2	P2024-0182-1	P2024-0263-1	IS + QC_2	IS + Cal. 5
E								M2024-0283-1	P2024-0197-1	P2024-0279-1	IS + QC_4	IS + Cal. 4
F								M2024-0305-1	P2024-0205-1	P2024-0288-1	IS + QC_3	IS + Cal. 3
G								M2024-0310-1	P2024-0227-1	P2024-0326-1	IS + QC_2	IS + Cal. 2
H								P2024-0058-1	P2024-0228-1	P2024-0327-1	IS + QC_1	IS + Cal. 1

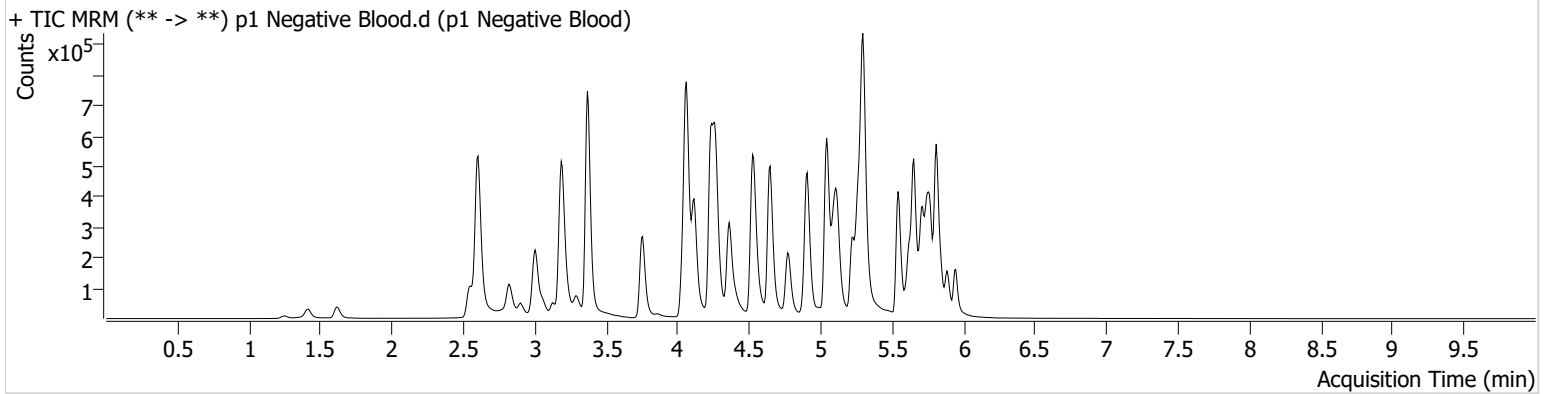


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 2/15/2024 9:25:36 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>	Celena Shrum
<b>Sample Position</b>	P2-C11	<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>	2/13/2024 5:16:39 AM		
<b>Sample Info.</b>			

## Sample Chromatogram





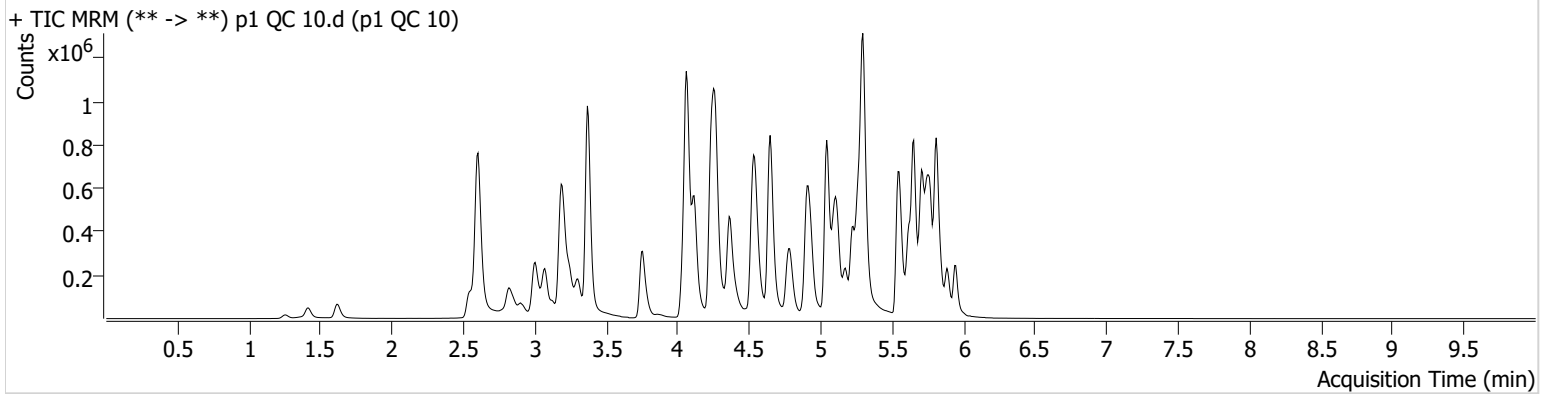
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 2/15/2024 9:25:36 AM

Instrument Falco (069901) Data File p1 QC 10.d  
Type QC Sample p1 QC 10  
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum  
Sample Position P2-H11 Comment  
Injection Volume 2  
Acq. Date-Time 2/13/2024 4:12:44 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	3.136	3374	1069.36	79.7	230.49	114616	0.8816 ng/ml
7-aminoclonazepam	4.271	36202	410.52	74.6	2181.19	183652	9.8715 ng/ml
9-hydroxyrisperidone	4.651	10645	208.28	3310.0	2849.71	1550203	10.6907 ng/ml
a-hydroxyalprazolam	5.692	31151	121.55	64.7	834.11	143334	10.4673 ng/ml
alpha-PHP	4.943	57786	287.70	264.7	13318.83	948017	9.4570 ng/ml
alpha-PVP	4.369	209414	2425.06	49.6	2519.43	948017	9.0482 ng/ml
Alprazolam	5.775	110429	307.46	114.5	372.22	520994	9.3012 ng/ml
Amphetamine	3.074	342061	445.88	46.5	546.57	476890	9.9538 ng/ml
Benzoylcegonine	3.889	4946	62.82	35.3	33.69	19009	9.8787 ng/ml
Bromazolam	5.807	51718	42004.17	129.1	73689.71	255147	9.3054 ng/ml
Buprenorphine	5.861	6127	2562.80	15.0	1559.86	224246	1.0080 ng/ml
Bupropion	4.792	211130	284.84	68.0	190.94	642689	9.1678 ng/ml
Carisoprodol	5.723	114658	242.32	62.7	1270.08	507204	9.5395 ng/ml
Citalopram	5.227	156334	470.41	34.3	118.58	783535	8.9451 ng/ml
Clonazepam	5.611	101993	167.61	35.8	48482.79	154686	10.0728 ng/ml
Clonazolam	5.554	90630	188856.41	35.4	25261.97	154686	10.0596 ng/ml
Cocaine	4.264	162643	424.72	49.7	2041.24	1340515	10.0911 ng/ml
Codeine	2.596	16873	79.73	106.3	58.38	97161	10.0963 ng/ml
Cyclobenzaprine	5.627	117736	561.71	9.1	415.40	598190	9.6967 ng/ml
Dextromethorphan	5.277	102442	1266.60	81.1	124.48	530701	9.6644 ng/ml
Dextrorphan	4.116	70855	2196.60	210.8	566.09	923277	9.5682 ng/ml
Diazepam	5.947	74537	6232.28	85.7	826.24	349705	10.0175 ng/ml
Dihydrocodeine	2.575	47976	1555.40	60.4	102.87	299026	9.8999 ng/ml
Diphenhydramine	5.298	391600	656.76	29.5	2935.51	2418726	8.1115 ng/ml
Doxylamine	4.545	403963	2260.94	99.2	3375.22	1957318	9.7539 ng/ml
Duloxetine	5.647	9672	4968.27	10.9	58.66	55070	9.9375 ng/ml
EDDP	5.263	138384	1682.15	42.3	133.40	792593	9.1313 ng/ml
Etizolam	5.814	59493	43885.21	27.2	509.46	154686	9.1337 ng/ml
Fentanyl	5.110	16469	79.99	66.2	207.16	921330	0.9836 ng/ml
Fluorofentanyl	5.164	40652	319.76	39.5	1720.49	8185	0.9068 ng/ml
Fluoxetine	5.707	109924	466.16	7.2	377.27	433136	9.5057 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	64888	45.59	34.3	290.96	374294	9.4386 ng/ml
Hydromorphone	1.629	41410	1181.25	73.2	1564.01	147186	9.6781 ng/ml
Hydroxyzine	5.704	159062	1056.41	73.4	838.80	530701	9.7535 ng/ml
Ketamine	4.056	146323	2992.17	35.1	84.33	630339	10.0545 ng/ml
Lamotrigine	4.287	13605	1364.02	83.1	4853.10	1936423	95.0992 ng/ml
Lorazepam	5.747	87569	564.93	53.5	170.69	667632	10.2710 ng/ml
MDA	3.215	197044	1147.32	30.6	36.16	669640	10.4971 ng/ml
MDMA	3.309	139155	2056.99	93.6	835.91	164626	9.3751 ng/ml
Meprobamate	4.916	49853	199.81	33.4	169.67	222734	10.6566 ng/ml
Methadone	5.652	278000	538.87	51.6	642.42	1192598	9.1747 ng/ml
Methamphetamine	3.250	315381	2533.62	38.4	496.87	1213753	9.7808 ng/ml
Metoprolol	4.326	44155	3605.26	104.4	910.11	1704078	10.1448 ng/ml
Mirtazapine	4.641	290671	4768.16	53.1	1148.52	948017	10.1103 ng/ml
Mitragynine	5.239	63485	109611.23	35.7	40759.68	1192598	9.8571 ng/ml
Morphine	1.261	7065	1176.60	34.0	1786.12	9525	10.1310 ng/ml
Norbuprenorphine	4.992	671	1005.95	120.6	272.44	39768	0.7549 ng/ml
Nordiazepam	5.894	81189	773.49	55.7	211.56	273495	9.9046 ng/ml
Norfentanyl	4.083	31396	1829.18	37.7	12.98	1519472	0.9431 ng/ml
Norhydrocodone	3.077	12611	179.06	36.8	66.48	92509	8.6215 ng/ml
Noroxycodone	2.920	41160	1347.82	49.0	303.41	146725	10.2532 ng/ml
O-desmethyl-tramadol	3.376	340279	7912.76	5.6	438.31	2193064	9.3465 ng/ml
o-desmethylvenlafaxine	4.068	469725	9823.58	16.2	216.54	39320	9.4459 ng/ml
Olanzapine	4.489	33713	124.31	53.6	205.04	85950	9.3856 ng/ml
Oxazepam	5.749	122859	290.81	72.1	112.63	667632	10.1281 ng/ml
Oxycodone	2.852	108405	416.21	28.7	13.36	445729	9.6320 ng/ml
Oxymorphone	1.419	31688	67.69	48.2	163.41	121486	9.9394 ng/ml
Phentermine	3.785	82011	113.69	7.2	178.26	888073	10.1871 ng/ml
Promethazine	5.544	192514	341.90	32.1	168.13	1008688	9.8104 ng/ml
Pseudoephedrine	2.613	413766	3826.88	17.1	146.25	1936423	9.4291 ng/ml
Quetiapine	5.560	225770	180.80	53.4	6657.04	301363	10.6849 ng/ml
Sertraline	5.776	24433	125.66	98.7	666.02	114006	9.5037 ng/ml
Temazepam	5.817	224902	312.63	28.5	97.35	1044863	9.8252 ng/ml
Tramadol	4.245	340161	193.36	3.1	31.18	1704078	10.4628 ng/ml
Trazodone	5.171	280509	8226.23	56.7	2046.35	853895	10.7839 ng/ml
Venlafaxine	5.044	297556	8370.65	37.6	610.42	1785480	9.6194 ng/ml
Xylazine	4.090	125817	1038.81	42.5	82.44	622476	9.5167 ng/ml
Zolpidem	4.927	312371	11413.47	27.8	128.29	1317991	9.6884 ng/ml





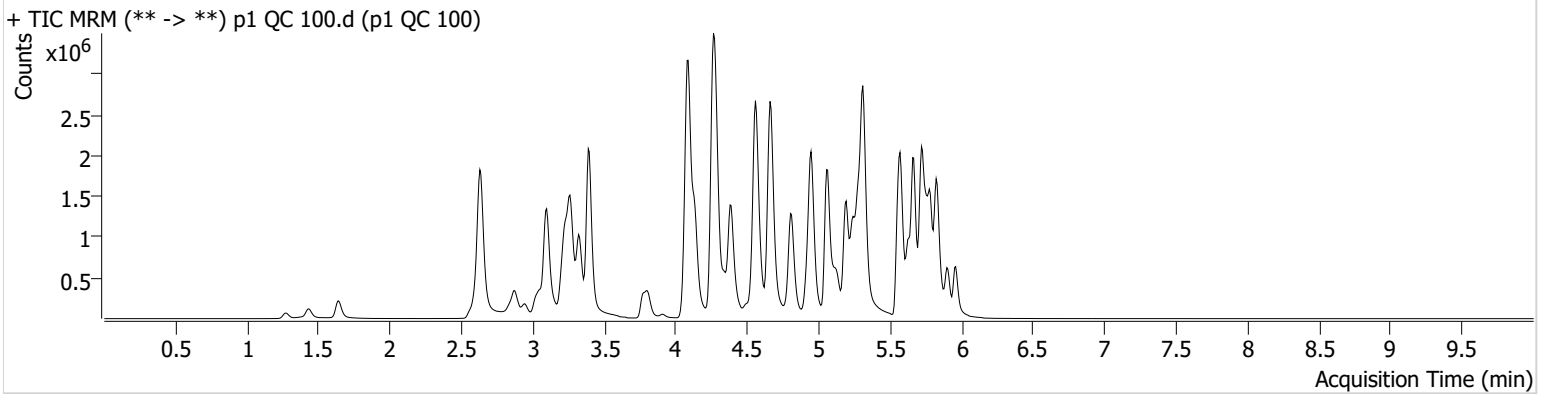
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 2/15/2024 9:25:36 AM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-G11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 2/13/2024 2:29:54 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	3.156	30831	204081.14	69.0	9249.21	94992	9.5268 ng/ml
7-aminoclonazepam	4.285	253963	1566.67	70.1	1254.33	120631	104.2903 ng/ml
9-hydroxyrisperidone	4.664	90597	689.78	3433.5	65175.13	1284411	102.7340 ng/ml
a-hydroxyalprazolam	5.705	197114	154.45	68.7	283.21	94103	106.5594 ng/ml
alpha-PHP	4.956	521063	1288.05	255.6	5377.78	835221	99.3325 ng/ml
alpha-PVP	4.390	1947109	613.50	50.3	8877.28	835221	89.9543 ng/ml
Alprazolam	5.782	888971	227.41	102.3	443.11	352153	104.2047 ng/ml
Amphetamine	3.101	2751149	36360.77	43.1	40318.85	398308	100.8172 ng/ml
Benzoylcegonine	3.910	43071	298.12	38.6	1940.57	17042	89.6331 ng/ml
Bromazolam	5.821	382554	6968.84	128.2	400980.53	171463	103.7296 ng/ml
Buprenorphine	5.881	54351	11360.08	15.6	13191.67	211512	9.2400 ng/ml
Bupropion	4.813	1891215	95799.88	69.3	48839.35	550783	93.9769 ng/ml
Carisoprodol	5.737	800679	29627.12	69.0	3479.66	349042	91.1699 ng/ml
Citalopram	5.241	1412276	9239.85	28.8	263.89	648763	91.0476 ng/ml
Clonazepam	5.624	642903	667866.40	33.5	485994.77	103665	99.8069 ng/ml
Clonazolam	5.561	564962	589981.95	36.9	289024.56	103665	97.0031 ng/ml
Cocaine	4.284	1397459	365987.81	52.8	14682.27	1178080	95.9480 ng/ml
Codeine	2.617	133946	2585.00	94.1	7709.75	74613	106.2855 ng/ml
Cyclobenzaprine	5.634	774058	29188.96	9.2	3216.48	394284	89.5153 ng/ml
Dextromethorphan	5.291	809204	642.98	82.0	39205.80	423534	92.2161 ng/ml
Dextrorphan	4.137	588166	1048008.81	211.1	776.72	738554	95.2280 ng/ml
Diazepam	5.961	570006	3423.45	91.8	12223.34	260979	100.6247 ng/ml
Dihydrocodeine	2.595	370050	17973.76	69.6	139401.02	247696	95.9814 ng/ml
Diphenhydramine	5.312	3287077	3492.49	30.4	13828.84	1926820	79.4576 ng/ml
Doxylamine	4.559	3726557	903460.47	94.0	8539.30	1693263	98.0879 ng/ml
Duloxetine	5.660	50128	3641.16	12.1	942.85	30563	92.0536 ng/ml
EDDP	5.277	1152288	36238.93	40.8	414470.68	620495	92.1725 ng/ml
Etizolam	5.821	538903	1613.59	26.4	128431.71	103665	112.8577 ng/ml
Fentanyl	5.124	133211	2876.40	70.6	1176.71	764829	9.1253 ng/ml
Fluorofentanyl	5.178	318379	427.06	40.5	84337.00	5993	9.3738 ng/ml
Fluoxetine	5.714	649019	23602.61	7.1	1592.74	249088	96.2363 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.050	512248	11252.24	38.2	194.15	299040	95.5788 ng/ml
Hydromorphone	1.642	332358	2201.24	82.9	759522.71	121580	88.9655 ng/ml
Hydroxyzine	5.718	1253914	925002.10	77.4	46029.99	423534	89.4771 ng/ml
Ketamine	4.069	1223034	72978.98	31.7	766.64	575322	97.6457 ng/ml
Lamotrigine	4.307	111965	3485.06	86.8	39706.04	1542575	1015.8431 ng/ml
Lorazepam	5.754	404459	34539.39	55.9	1536.99	356324	91.6137 ng/ml
MDA	3.235	1489671	9815.88	33.7	2320.66	487708	114.3680 ng/ml
MDMA	3.329	1244314	6153.08	95.8	3021.29	132943	101.1051 ng/ml
Meprobamate	4.930	312264	5003.56	38.0	2576.81	179158	84.1297 ng/ml
Methadone	5.666	2075642	666.91	60.6 High	1782.83	867997	87.3250 ng/ml
Methamphetamine	3.270	2800211	5672.42	36.5	449.57	1114688	98.7355 ng/ml
Metoprolol	4.340	392319	508835.15	107.2	11912.23	1606289	96.6579 ng/ml
Mirtazapine	4.655	2295867	128584.61	58.5	591.43	835221	90.7439 ng/ml
Mitragynine	5.252	510429	424793.68	37.6	278.93	867997	108.0472 ng/ml
Morphine	1.274	52685	2281.49	54.5 High	11730.90	5529	128.4285 ng/ml
Norbuprenorphine	5.013	6749	17047.07	96.1	7465.72	35653	9.7305 ng/ml
Nordiazepam	5.907	627979	8930.65	53.0	5980.87	214505	97.8264 ng/ml
Norfentanyl	4.103	267979	17642.04	39.0	114.07	1192189	9.1301 ng/ml
Norhydrocodone	3.097	114646	762.82	38.1	200.98	69371	86.8052 ng/ml
Noroxycodone	2.948	293401	374.16	54.3	648.10	101574	103.7581 ng/ml
O-desmethyl-tramadol	3.396	3218083	181506.75	5.9	11032.78	1955974	93.4939 ng/ml
o-desmethylvenlafaxine	4.088	4161565	151332.83	13.5	3597.02	26571	115.9937 ng/ml
Olanzapine	4.496	236853	914.59	54.0	736.96	52409	105.6117 ng/ml
Oxazepam	5.763	623759	4936.36	71.0	2223.07	356324	98.0188 ng/ml
Oxycodone	2.872	799239	991.28	32.1	502.23	336637	93.8644 ng/ml
Oxymorphone	1.433	217589	∞	51.2	478.69	83729	99.4657 ng/ml
Phentermine	3.812	696130	1679.37	7.1	1521.37	802883	102.8251 ng/ml
Promethazine	5.558	1537061	212792.51	33.7	615.37	768530	97.0349 ng/ml
Pseudoephedrine	2.640	3638600	91489.45	16.9	91137.38	1542575	96.0974 ng/ml
Quetiapine	5.574	1686845	11558.01	58.9	19320.58	237970	101.2256 ng/ml
Sertraline	5.789	116112	3735.64	91.3	126437.21	49602	98.5362 ng/ml
Temazepam	5.831	1315060	22319.80	27.7	2240.70	564185	100.2475 ng/ml
Tramadol	4.266	2637199	∞	4.1	136.88	1606289	86.4255 ng/ml
Trazodone	5.191	2143790	774.71	64.1	620054.40	696775	104.4695 ng/ml
Venlafaxine	5.064	2515652	1380.33	37.5	419.84	1620730	81.7124 ng/ml
Xylazine	4.104	1122626	2037431.18	46.9	4924.97	542480	93.3134 ng/ml
Zolpidem	4.947	2535792	6164212.25	26.7	993668.21	1121747	95.5924 ng/ml



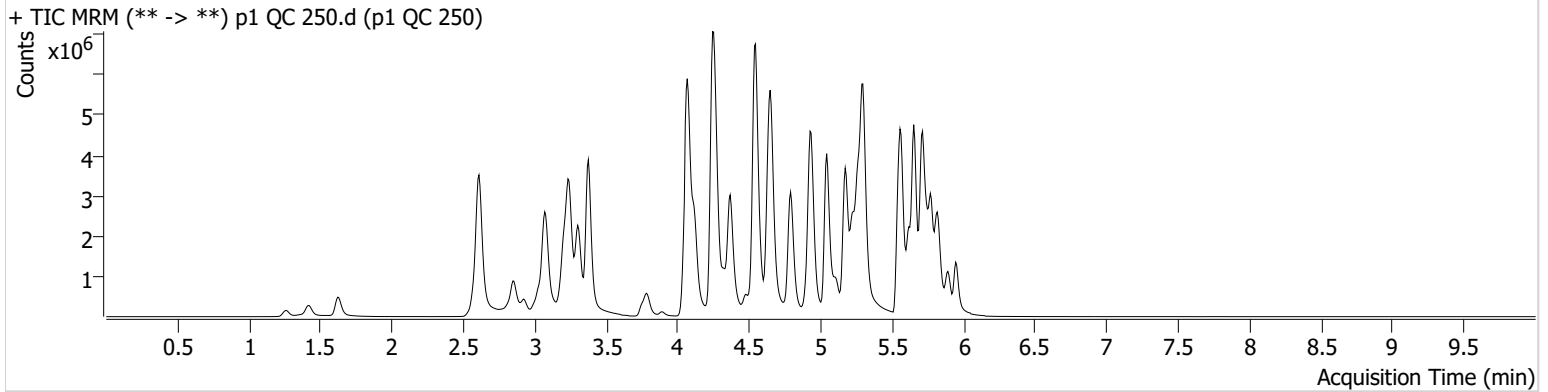
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 2/15/2024 9:25:36 AM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-F11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 2/13/2024 4:34:06 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	3.136	80895	635.14	69.3	∞	96017	24.6991 ng/ml
7-aminoclonazepam	4.271	477901	1334.54	76.7	5580.18	99475	237.8395 ng/ml
9-hydroxyrisperidone	4.651	205548	1774.61	3807.5	10572.79	1259097	236.7670 ng/ml
a-hydroxyalprazolam	5.692	394407	2022.62	68.7	1461.45	83536	241.0094 ng/ml
alpha-PHP	4.943	1148226	13617.24	257.6	97162.27	782568	233.9905 ng/ml
alpha-PVP	4.370	4770518	43853.06	50.3	23666.50	782568	234.2850 ng/ml
Alprazolam	5.775	2064408	1206.97	105.3	2093.73	348859	243.4640 ng/ml
Amphetamine	3.074	5648325	42735.41	44.5	66749.28	402473	205.4376 ng/ml
Benzoylcegonine	3.889	112697	267.66	37.9	5477.62	16795	236.7669 ng/ml
Bromazolam	5.807	725782	81082.27	128.1	1052407.86	142859	236.3654 ng/ml
Buprenorphine	5.868	137590	55068.63	15.4	22448.35	206146	23.9542 ng/ml
Bupropion	4.792	4856924	623769.58	67.7	393.47	569836	232.9873 ng/ml
Carisoprodol	5.723	1544336	48118.43	63.1	4532.17	266180	229.6464 ng/ml
Citalopram	5.221	3294902	51063.70	33.2	1567.09	591826	231.8248 ng/ml
Clonazepam	5.611	1345904	50657.92	35.1	11732.36	89277	243.4789 ng/ml
Clonazolam	5.554	1091092	777899.37	37.4	431178.22	89277	218.0435 ng/ml
Cocaine	4.264	3192053	49245.54	51.9	438.46	1054307	244.4122 ng/ml
Codeine	2.596	284886	171.25	98.9	354.87	74341	227.1155 ng/ml
Cyclobenzaprine	5.627	2389935	20950.80	8.6	232.53	448352	241.6757 ng/ml
Dextromethorphan	5.277	1972319	49918.30	77.8	293278.97	416952	227.7410 ng/ml
Dextrorphan	4.116	1363757	12482.28	217.5	3623.56	686995	236.7253 ng/ml
Diazepam	5.947	1388725	12916.78	91.1	∞	262084	243.8095 ng/ml
Dihydrocodeine	2.575	919259	32589.01	66.0	209.41	267320	221.5235 ng/ml
Diphenhydramine	5.298	8371474	144037.65	29.9	22229.54	1893918	204.8740 ng/ml
Doxylamine	4.545	10038920	7894.64	95.2	8751.01	1735248	256.8461 ng/ml
Duloxetine	5.647	138770	3078.68	12.1	12844.19	33734	230.7406 ng/ml
EDDP	5.263	3319918	605.36	41.5	41061.82	705017	232.9365 ng/ml
Etizolam	5.814	995701	3252.61	27.3	115472.84	89277	241.1563 ng/ml
Fentanyl	5.111	363365	4138.17	73.5	406621.07	788920	24.0451 ng/ml
Fluorofentanyl	5.164	809406	42585.14	41.7	6315.82	5957	23.9207 ng/ml
Fluoxetine	5.707	1608829	24119.58	7.5	4035.27	258407	229.7502 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	1325474	1622.70	37.6	1408.93	320293	231.2749 ng/ml
Hydromorphone	1.622	889132	1454745.43	78.6	1670580.17	123840	232.7122 ng/ml
Hydroxyzine	5.704	3288009	989.57	81.4	51049.69	416952	237.0437 ng/ml
Ketamine	4.048	2641535	103228.11	34.5	275.35	520847	233.9010 ng/ml
Lamotrigine	4.287	243827	531.29	86.3	4823.80	1399540	2443.3101 ng/ml
Lorazepam	5.740	630852	11950.03	53.7	1385.60	231860	220.0980 ng/ml
MDA	3.208	3012330	808.90	31.6	5662.09	453202	249.5550 ng/ml
MDMA	3.302	2967527	1650.63	94.0	53085.95	131223	243.9024 ng/ml
Meprobamate	4.909	629656	4581.49	32.3	1865.85	164061	185.4541 ng/ml
Methadone	5.652	6276724	197432.13	48.6	4078.15	934856	243.8579 ng/ml
Methamphetamine	3.243	6711804	1513.63	37.1	34708.37	1110597	238.2074 ng/ml
Metoprolol	4.327	873186	1015501.45	106.2	8962.96	1405806	246.0009 ng/ml
Mirtazapine	4.634	5963092	408289.71	51.0	4400.45	782568	251.5709 ng/ml
Mitragynine	5.239	1296345	14153.17	35.6	424737.62	934856	254.6700 ng/ml
Morphine	1.261	153883	392.74	36.3	549.10	8367	247.7463 ng/ml
Norbuprenorphine	4.992	15447	5520.60	97.2	39.33	35407	22.5868 ng/ml
Nordiazepam	5.894	1262448	17278.65	58.0	5992.12	174014	242.4500 ng/ml
Norfentanyl	4.090	512658	14781.07	39.0	311.15	852078	24.2464 ng/ml
Norhydrocodone	3.077	307609	861.62	39.0	183.55	67737	235.7411 ng/ml
Noroxycodone	2.920	792415	907.14	48.8	4439.95	112931	251.7679 ng/ml
O-desmethyl-tramadol	3.376	7878836	139042.72	5.8	609.44	1821550	244.8414 ng/ml
o-desmethylvenlafaxine	4.079	8394525	106431.12	15.7	6110.15	24211	256.0006 ng/ml
Olanzapine	4.476	856832	1809.91	55.2	5305.57	79781	250.6479 ng/ml
Oxazepam	5.749	1015139	16387.67	71.8	4345.89	231860	245.4479 ng/ml
Oxycodone	2.852	2358435	7489.23	29.8	1109.44	388581	239.9256 ng/ml
Oxymorphone	1.419	640761	∞	47.8	∞	107063	229.1325 ng/ml
Phentermine	3.785	1439834	∞	7.4	93.54	763692	224.5966 ng/ml
Promethazine	5.544	4169392	773.35	33.2	667.57	812487	248.0209 ng/ml
Pseudoephedrine	2.613	8447610	121860.80	16.4	133599.93	1399540	244.6667 ng/ml
Quetiapine	5.560	4397902	33605.50	59.8	29382.37	262611	239.1699 ng/ml
Sertraline	5.776	352181	31836.25	97.4	675.18	62967	234.6951 ng/ml
Temazepam	5.824	2335022	21643.88	27.4	186.33	402157	248.7822 ng/ml
Tramadol	4.245	7081406	4525.72	3.6	∞	1405806	265.2716 ng/ml
Trazodone	5.171	5374161	193555.76	66.4	83737.24	790475	231.3478 ng/ml
Venlafaxine	5.044	6846307	∞	34.5	546.54	1487020	240.5110 ng/ml
Xylazine	4.083	2566601	223102.69	49.0	2069.12	477851	241.4795 ng/ml
Zolpidem	4.927	6835452	1012.36	26.6	980.42	1163122	249.1080 ng/ml



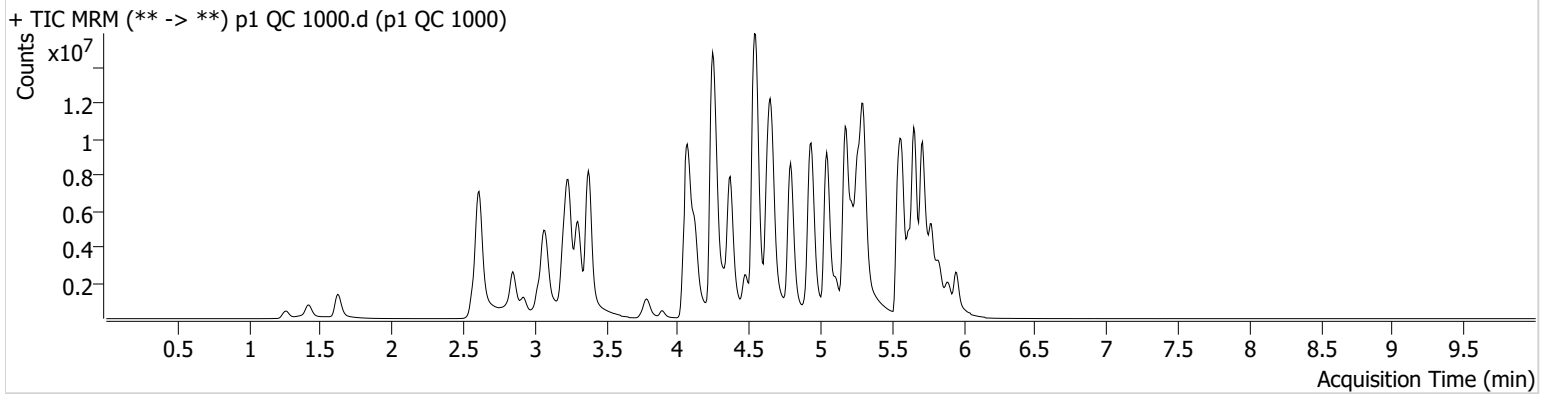
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 2/15/2024 9:25:36 AM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-E11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 2/13/2024 4:55:23 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	3.136	260860	552870.56	71.8	369.46	74642	102.3931 ng/ml
7-aminoclonazepam	4.271	652578	1941.49	73.4	1300.09	34700	930.6756 ng/ml
9-hydroxyrisperidone	4.651	575698	1169.85	3800.0	31947.47	828448	1005.3620 ng/ml
a-hydroxyalprazolam	5.692	546739	516.18	68.7	621.80	33885	825.2165 ng/ml
alpha-PHP	4.943	2572425	9709.38	260.5	80958.22	571438	718.4737 ng/ml
alpha-PVP	4.369	14627597	317714.60	50.4	114922.03	571438	981.9420 ng/ml
Alprazolam	5.775	4164106	225.60	103.6	318.97	174247	981.3763 ng/ml
Amphetamine	3.076	11880820	2259.85	44.2	68012.78	291731	597.2522 ng/ml
Benzoylcegonine	3.889	448705	1105047.57	37.0	491.10	16171	976.7779 ng/ml
Bromazolam	5.814	1230105	889891.37	122.8	807009.02	59464	962.8449 ng/ml
Buprenorphine	5.867	492979	38957.68	15.2	135773.14	170606	103.6109 ng/ml
Bupropion	4.792	15335065	250937.48	66.8	80659.30	470078	891.1835 ng/ml
Carisoprodol	5.730	2190104	85633.05	62.9	15986.64	86136	1004.3240 ng/ml
Citalopram	5.220	7692230	129010.41	32.8	1481118.85	329196	970.8810 ng/ml
Clonazepam	5.604	1682541	70933.54	35.6	42321.43	36126	753.4652 ng/ml
Clonazolam	5.547	1154704	8788.13	39.3	346214.38	36126	570.9326 ng/ml
Cocaine	4.264	8071737	1083.83	50.5	4647325.67	636087	1023.4162 ng/ml
Codeine	2.589	624619	3738.07	95.9	12617.56	48282	767.2006 ng/ml
Cyclobenzaprine	5.620	6817193	67077.41	7.8	831.63	290898	1059.7770 ng/ml
Dextromethorphan	5.277	4293667	59759.72	78.0	74673.12	225431	915.8221 ng/ml
Dextrorphan	4.123	3530607	266611.30	220.6	13983.26	415537	1011.7927 ng/ml
Diazepam	5.954	3310023	8202.25	87.4	9802.24	164858	923.2282 ng/ml
Dihydrocodeine	2.568	2428482	38432.23	67.0	23275.40	236899	661.2718 ng/ml
Diphenhydramine	5.306	21606330	166539.03	30.6	44584.66	1188721	840.4938 ng/ml
Doxylamine	4.545	28860418	278427.68	95.8	548959.46	1368662	934.5467 ng/ml
Duloxetine	5.640	256823	2630.04	12.9	20956.44	15297	941.4822 ng/ml
EDDP	5.263	11450672	87331.46	40.6	50162.34	559394	1010.8452 ng/ml
Etizolam	5.814	2210639	8660.81	27.1	254474.92	36126	1319.3583 ng/ml
Fentanyl	5.110	1474069	123107.51	73.2	2244816.01	762584	100.7452 ng/ml
Fluorofentanyl	5.158	2468440	61895.61	42.4	10486.33	4985	87.0920 ng/ml
Fluoxetine	5.707	3618247	52531.82	7.3	220630.98	143359	930.9264 ng/ml

# AM #28 Multi-Drug Quant. Results

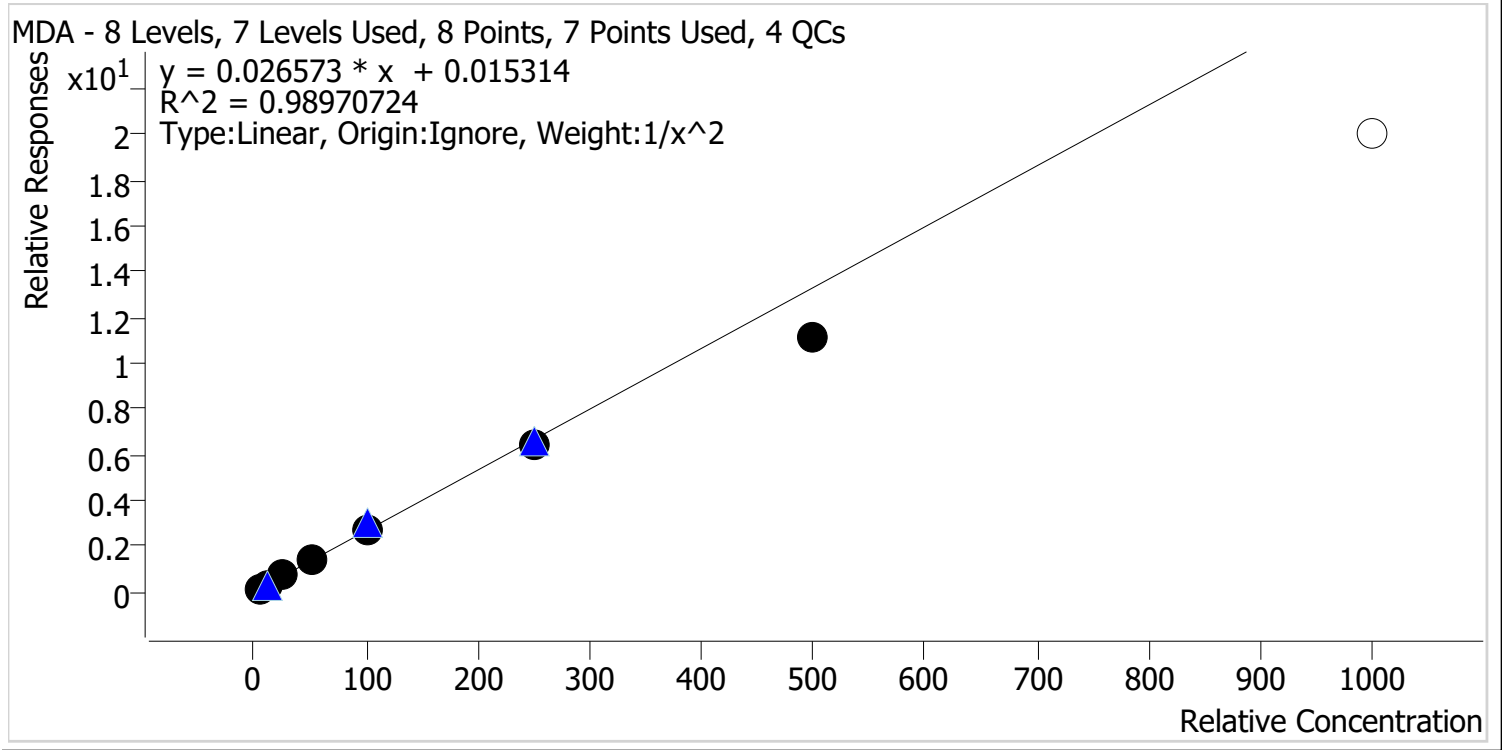


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	4260950	1945.03	35.4	∞	269401	884.6555 ng/ml
Hydromorphone	1.622	2914049	15016946.51	78.0	12827397.65	101943	924.7790 ng/ml
Hydroxyzine	5.704	8912113	1473.90	82.0	455191.69	225431	1185.2595 ng/ml
Ketamine	4.041	5393552	150645.22	34.1	17987.60	375439	663.8046 ng/ml
Lamotrigine	4.294	424572	5744.35	88.5	3212.39	819953	7268.8606 ng/ml
Lorazepam	5.747	815986	19808.37	52.0	1576.64	64391	1026.4156 ng/ml
MDA	3.201	5927120	193947.28	30.8	2789.10	276068	807.3746 ng/ml
MDMA	3.302	7633383	11484.41	95.1	180764.26	84287	975.9595 ng/ml
Meprobamate	4.902	929965	9910.85	33.7	1978.66	112567	399.3965 ng/ml
Methadone	5.659	17150717	149728.85	51.5	53465.09	655297	948.4618 ng/ml
Methamphetamine	3.236	18108678	79714.04	36.0	51526.04	991346	720.9764 ng/ml
Metoprolol	4.326	1952129	1076281.68	108.1	83947.79	1061510	728.5908 ng/ml
Mirtazapine	4.627	16001353	420539.91	50.0	143274.17	571438	924.5166 ng/ml
Mitragynine	5.239	3087825	64186.44	35.7	720168.14	655297	865.1973 ng/ml
Morphine	1.261	474825	410.37	35.0	5905.96	6940	921.2407 ng/ml
Norbuprenorphine	4.999	50424	34060.39	98.0	93311.26	28664	91.4504 ng/ml
Nordiazepam	5.894	2062241	∞	58.3	13644.46	74328	927.2618 ng/ml
Norfentanyl	4.090	793676	425.32	38.2	9473.21	232370	137.1114 ng/ml
Norhydrocodone	3.070	835743	630.34	42.8	125.03	47250	913.5901 ng/ml
Noroxycodone	2.920	2238045	8760.87	50.2	8678.19	81870	980.2868 ng/ml
O-desmethyl-tramadol	3.380	22163650	246533.22	6.2	62641.14	1329565	941.9491 ng/ml
o-desmethylvenlafaxine	4.077	15021129	177321.41	15.8	7267.43	9917	1116.1176 ng/ml
Olanzapine	4.475	3857445	10273.92	61.9	6089.96	99161	907.2486 ng/ml
Oxazepam	5.749	1025539	6520.56	73.4	1889.89	64391	893.3834 ng/ml
Oxycodone	2.845	7881047	3311.13	29.5	3518.90	335416	928.7728 ng/ml
Oxymorphone	1.419	2121428	3250.29	48.1	∞	87533	928.0205 ng/ml
Phentermine	3.785	3443013	∞	7.4	5863.74	625782	657.0694 ng/ml
Promethazine	5.544	13852653	150401.85	30.8	47579.92	636874	1049.2912 ng/ml
Pseudoephedrine	2.613	22446942	301581.45	15.8	63995.17	819953	1106.8572 ng/ml
Quetiapine	5.567	10855420	58863.80	59.8	11664.79	170440	909.6386 ng/ml
Sertraline	5.782	808860	21225.74	89.4	295.31	39893	849.4033 ng/ml
Temazepam	5.831	2704663	17107.00	28.0	8280.53	106826	1082.7245 ng/ml
Tramadol	4.245	16651432	506.79	3.6	437.00	1061510	826.1928 ng/ml
Trazodone	5.178	16115966	242326.08	71.0	579221.68	756073	726.2146 ng/ml
Venlafaxine	5.044	19993018	30340.05	33.5	507.85	1022167	1018.6887 ng/ml
Xylazine	4.076	7363390	157220.01	49.7	35552.27	336044	983.7608 ng/ml
Zolpidem	4.927	18719661	933.69	26.7	199736.08	976198	813.6859 ng/ml



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

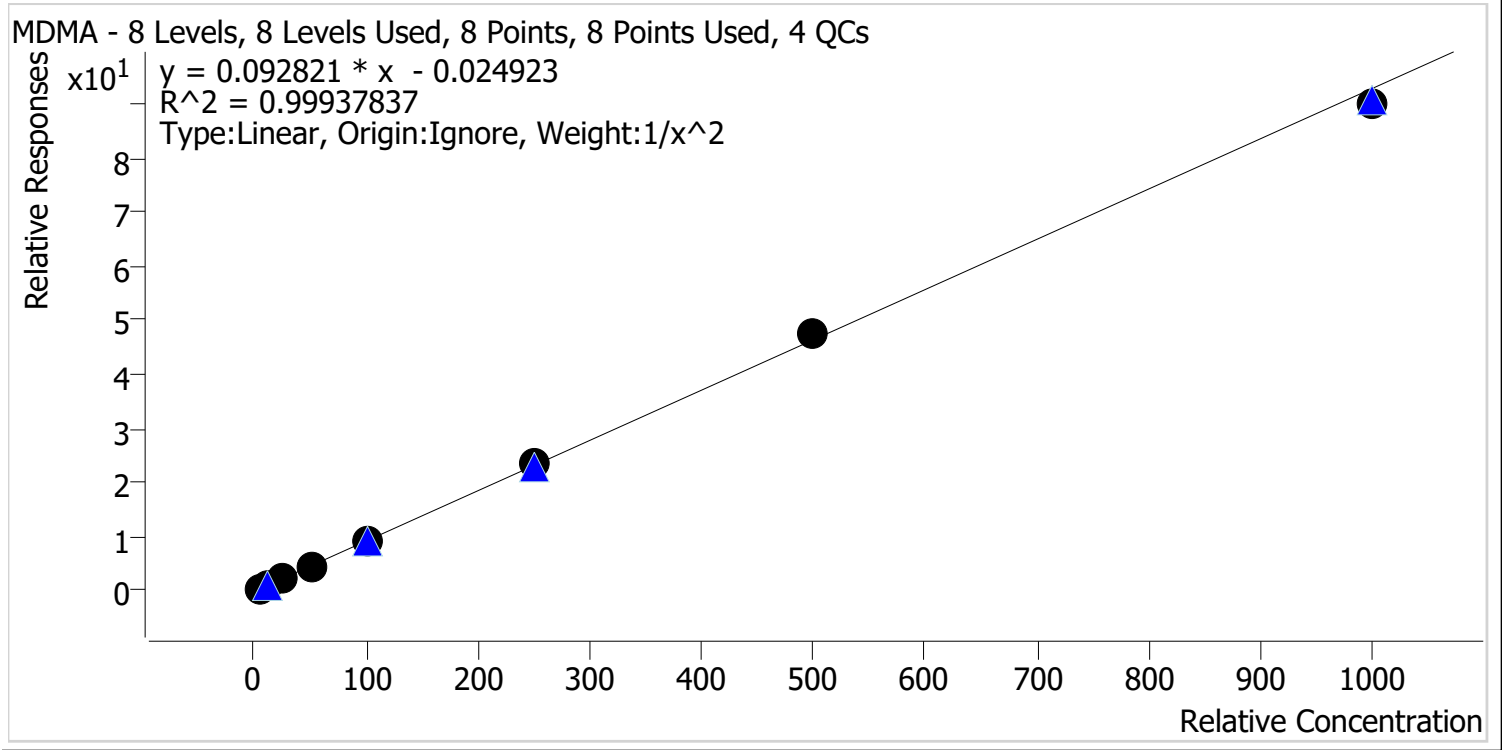


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p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.8
p1 Cal 4-50ng	4	✓	50.0	54.0	108.1
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	418.7	83.7
p1 Cal 8-1000ng	8	✗	1000.0	754.3	75.4



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6



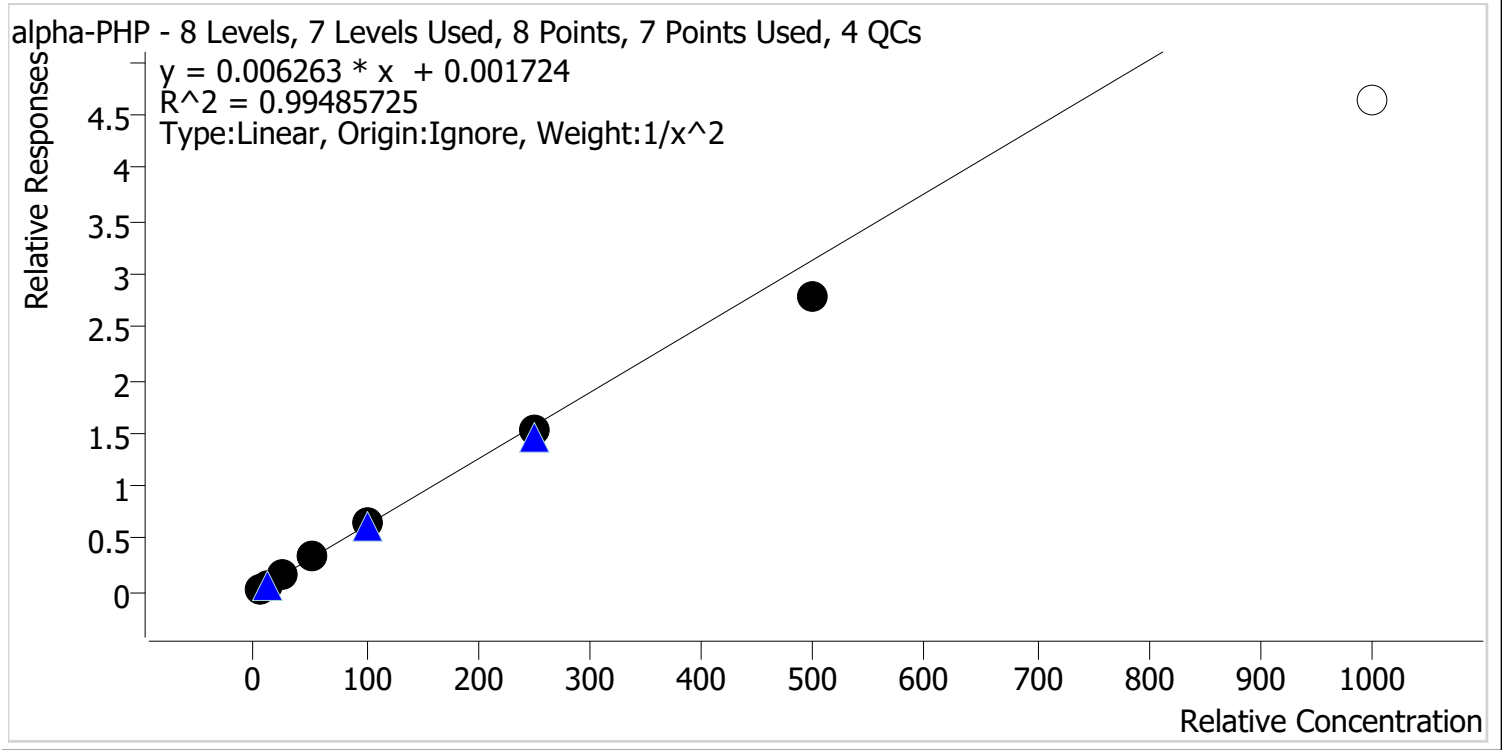
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	969.4	96.9





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8

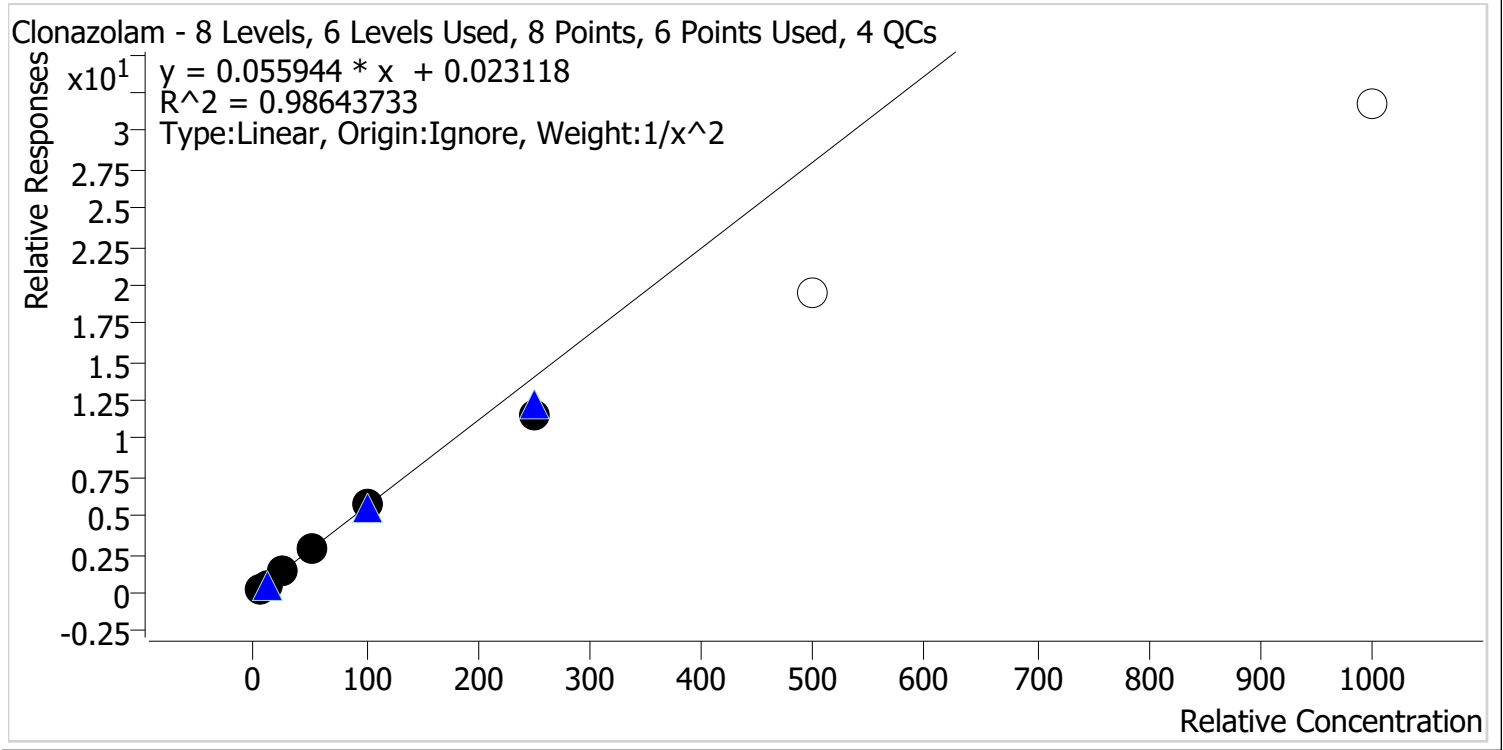


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	445.4	89.1
p1 Cal 8-1000ng	8	✗	1000.0	739.5	73.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



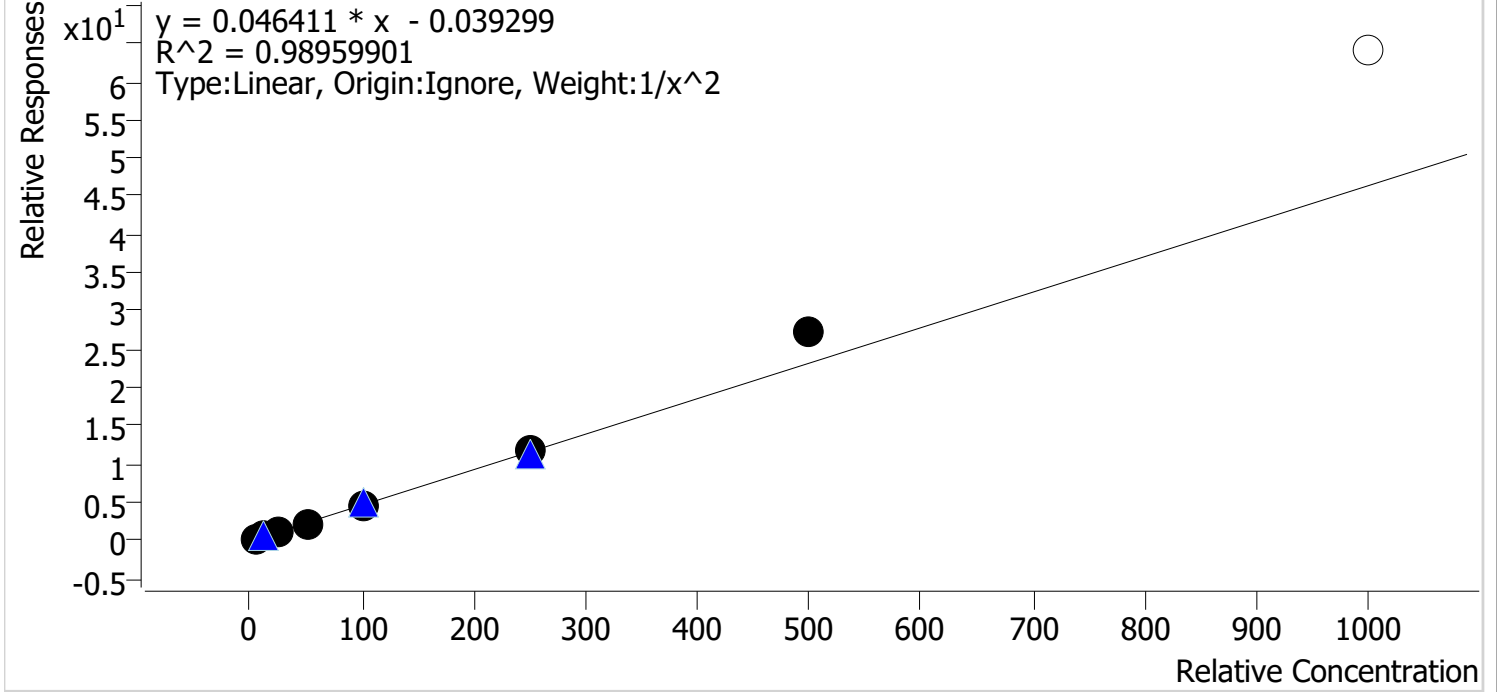
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.3
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	206.7	82.7
p1 Cal 7-500ng	7	✗	500.0	347.6	69.5
p1 Cal 8-1000ng	8	✗	1000.0	568.8	56.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



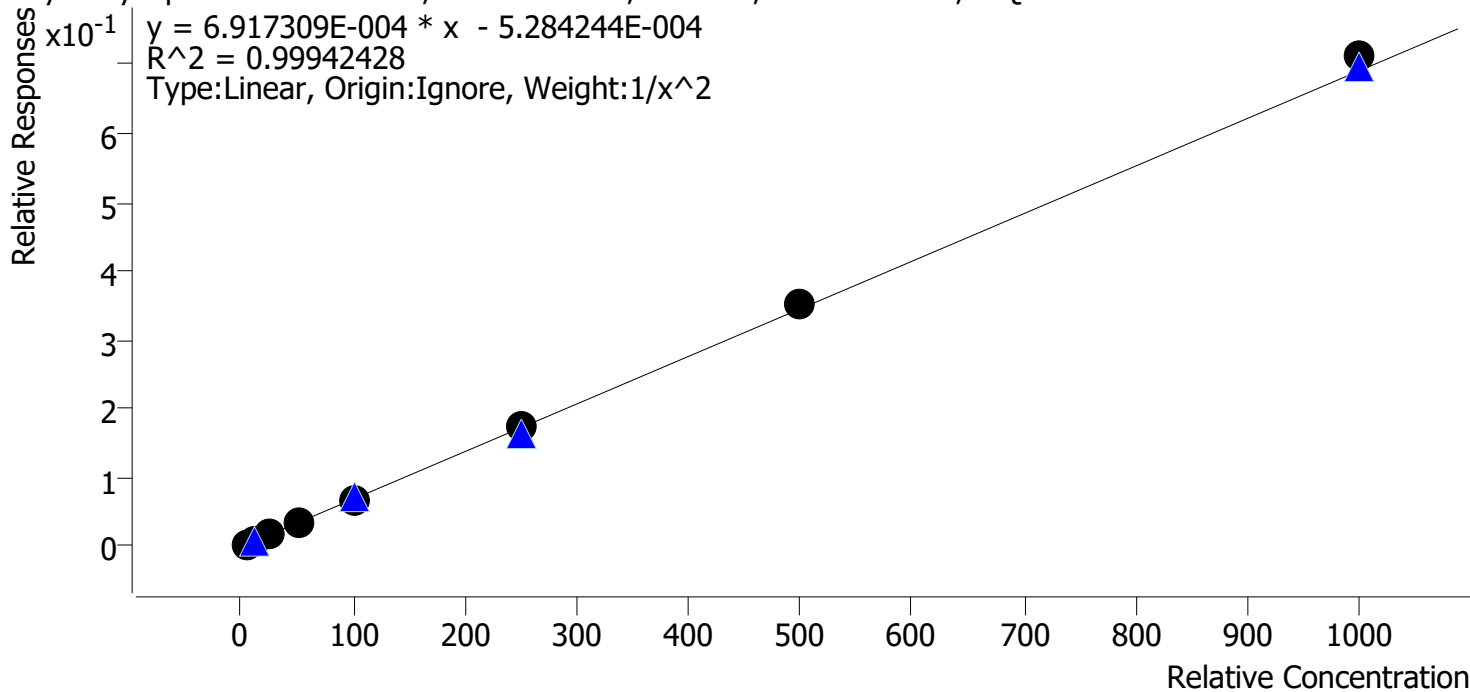
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2-10ng	2	✓	10.0	9.4	94.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	46.7	93.5
p1 Cal 5-100ng	5	✓	100.0	93.6	93.6
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	584.8	117.0
p1 Cal 8-1000ng	8	✗	1000.0	1380.8	138.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** 9-hydroxyrisperidone **Internal Standard** 9-hydroxyrisperidone-D4

9-hydroxyrisperidone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

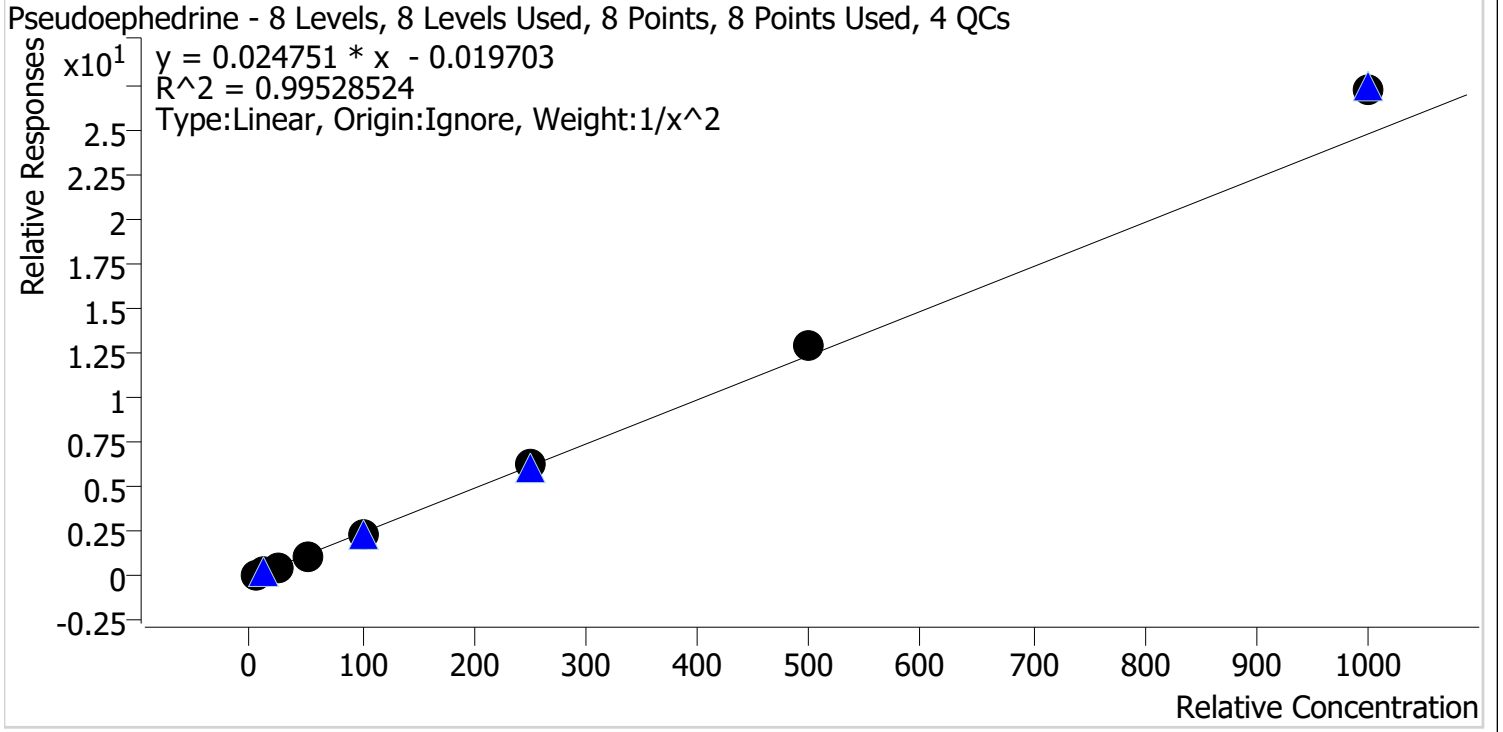


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	511.0	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1030.7	103.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

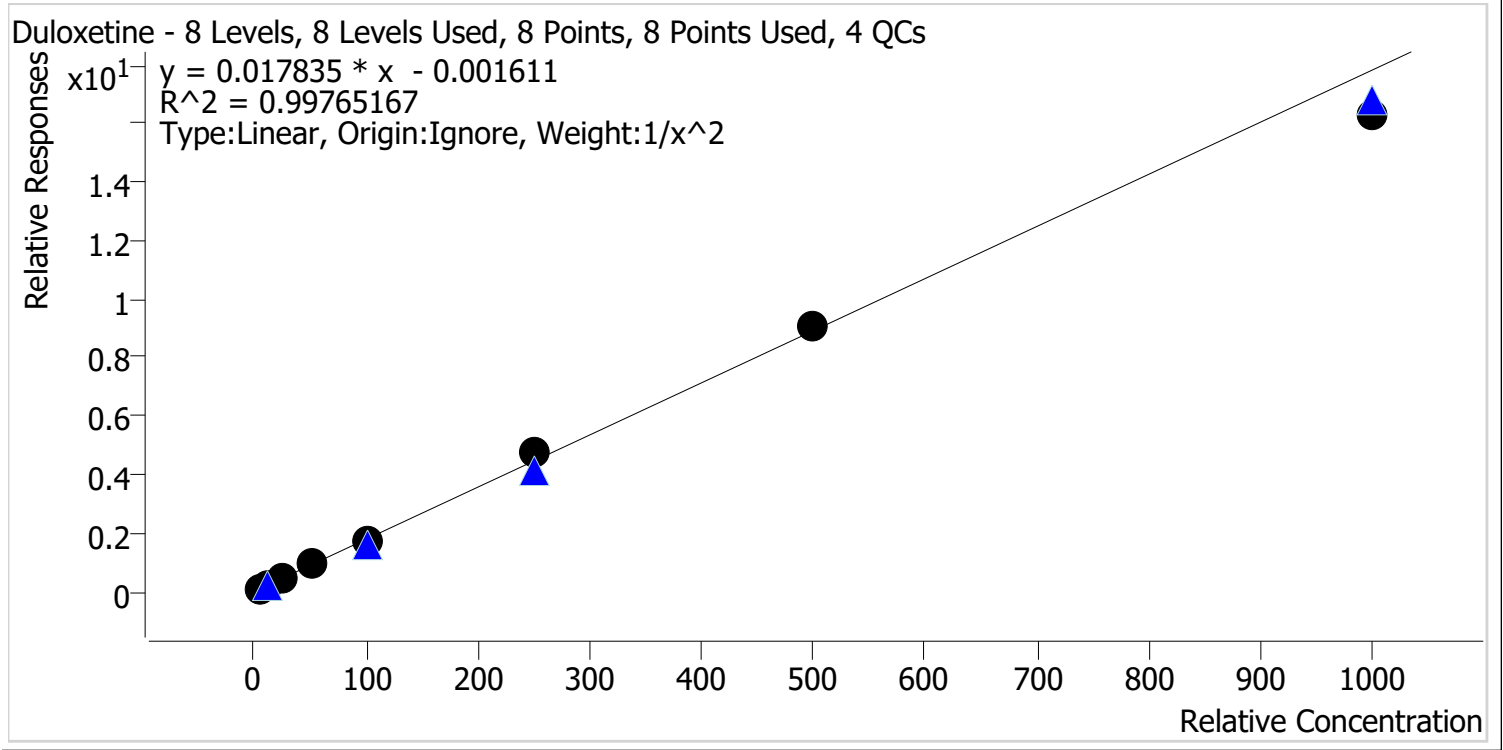


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	23.2	93.0
p1 Cal 4-50ng	4	✓	50.0	47.5	94.9
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	526.0	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1100.1	110.0



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3

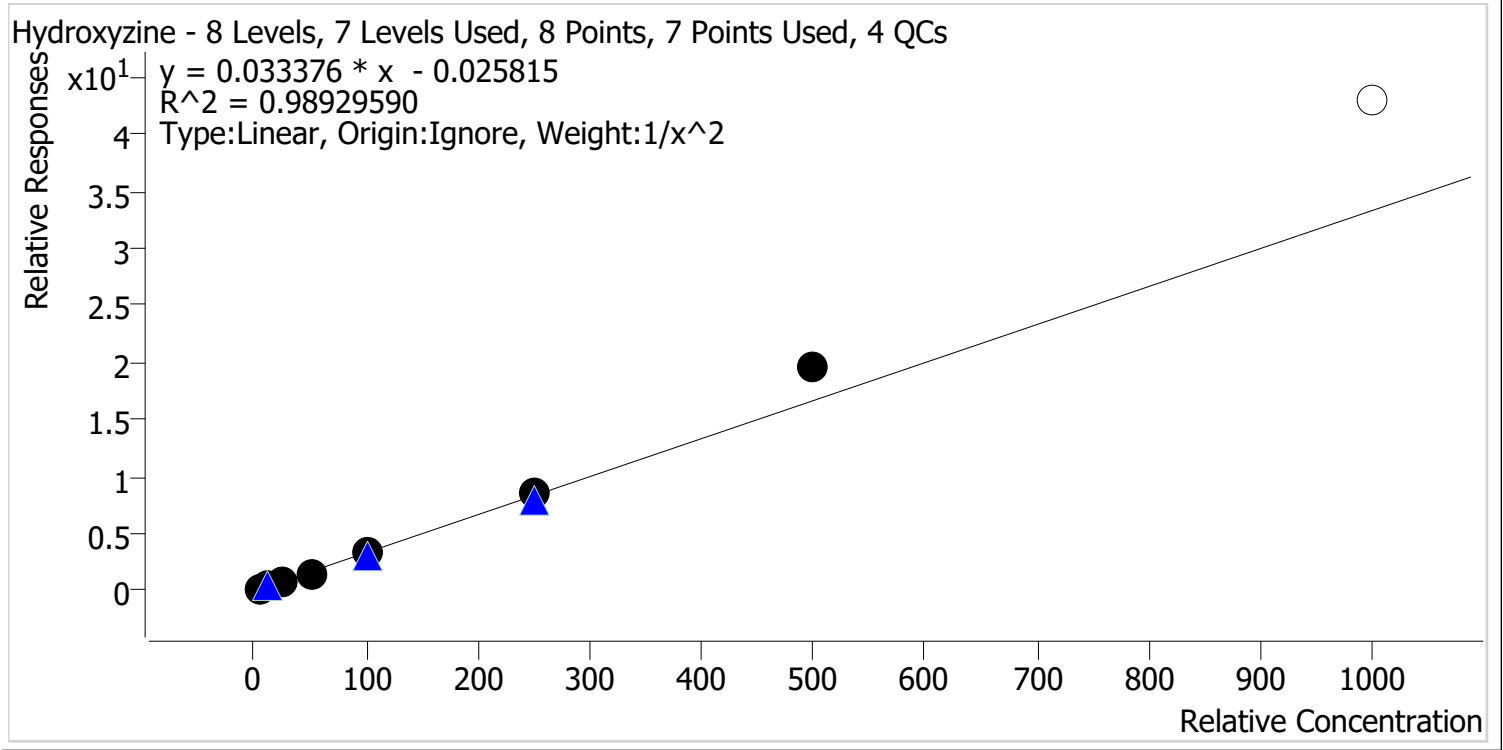


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	265.3	106.1
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	917.7	91.8



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3

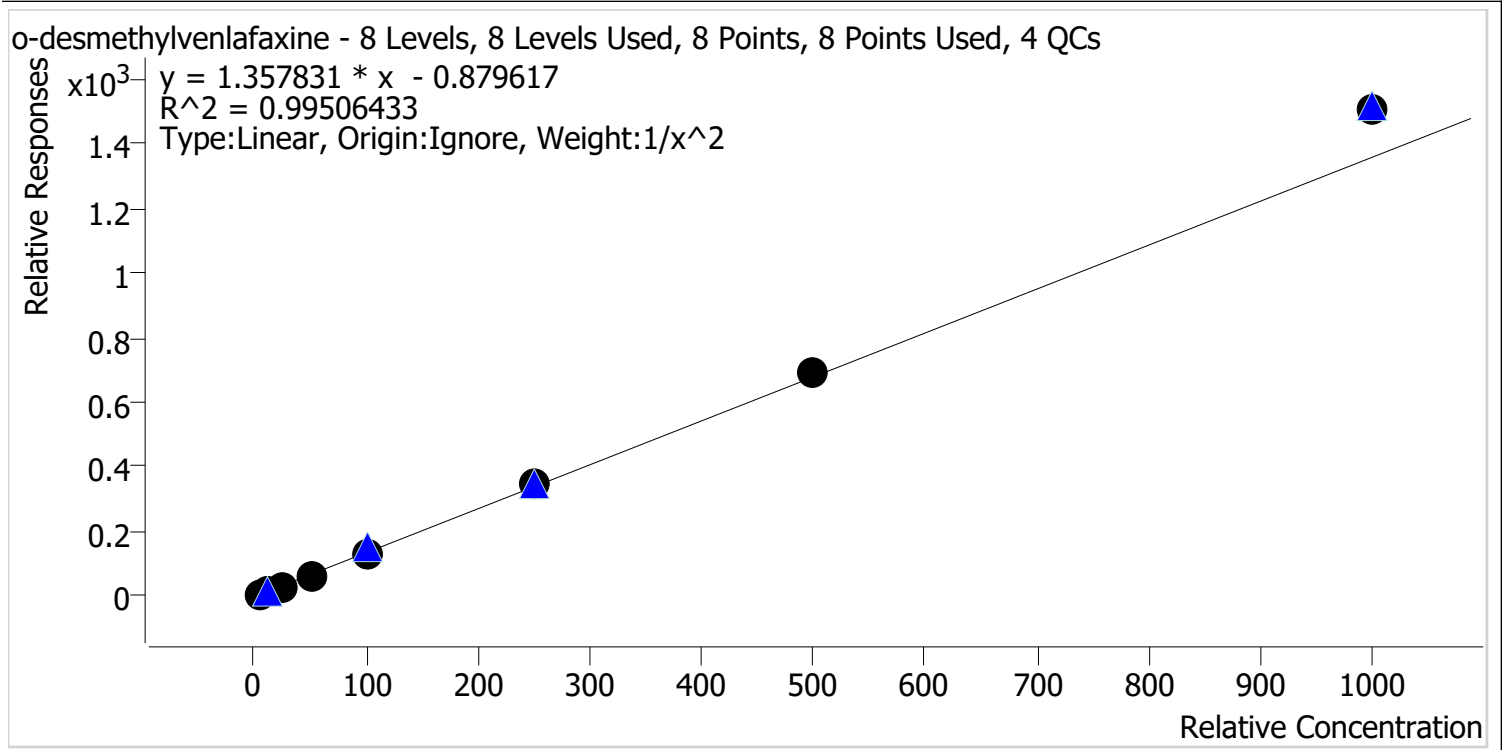


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.8
p1 Cal 4-50ng	4	✓	50.0	45.8	91.6
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	584.3	116.9
p1 Cal 8-1000ng	8	✗	1000.0	1289.2	128.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



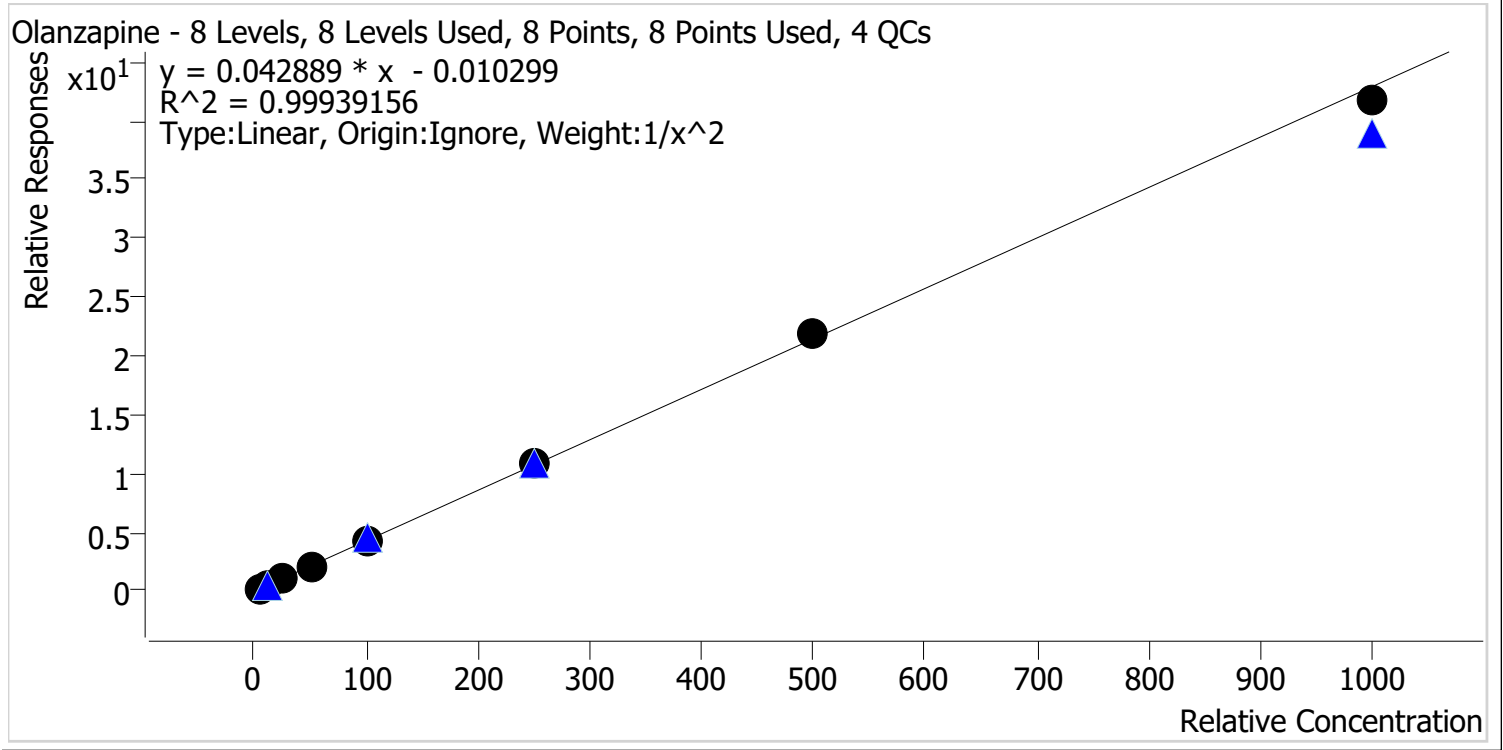
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.8
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	254.9	101.9
p1 Cal 7-500ng	7	✓	500.0	513.3	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1113.2	111.3





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8



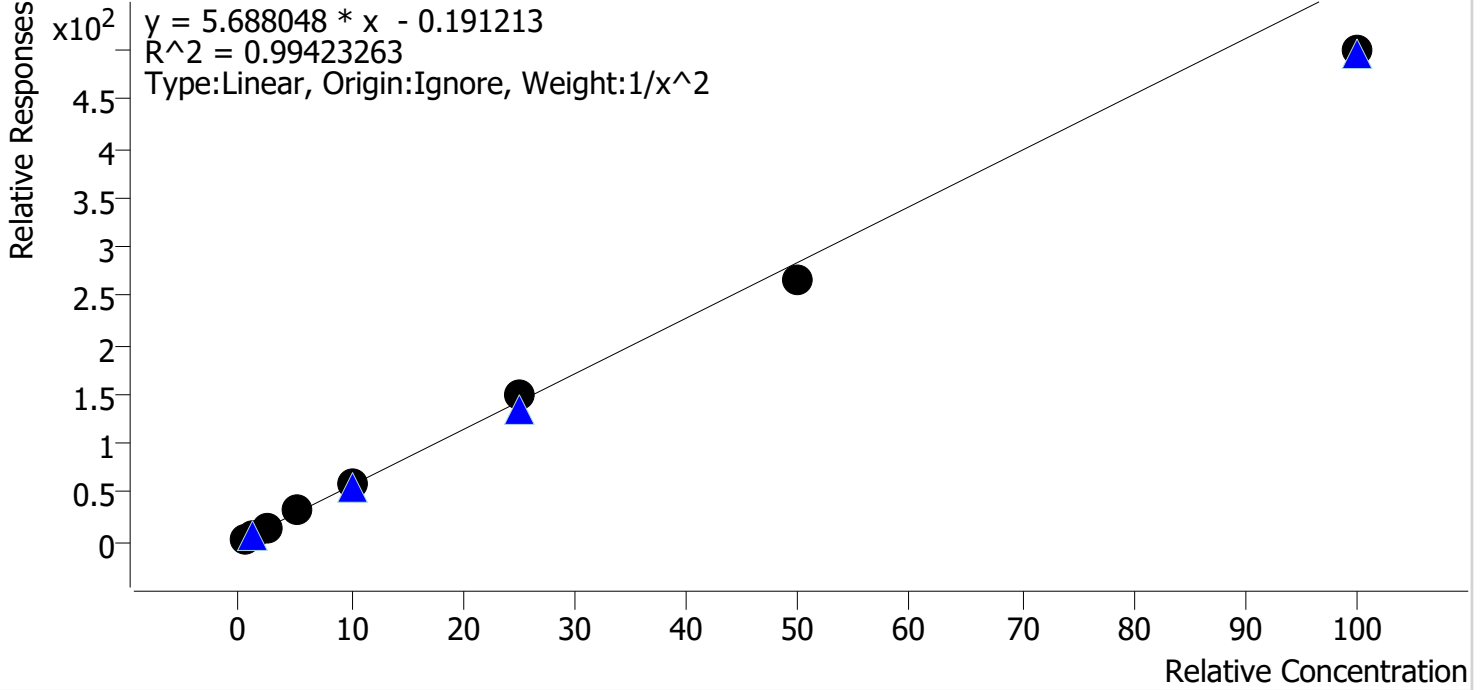
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	510.0	102.0
p1 Cal 8-1000ng	8	✓	1000.0	972.3	97.2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

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

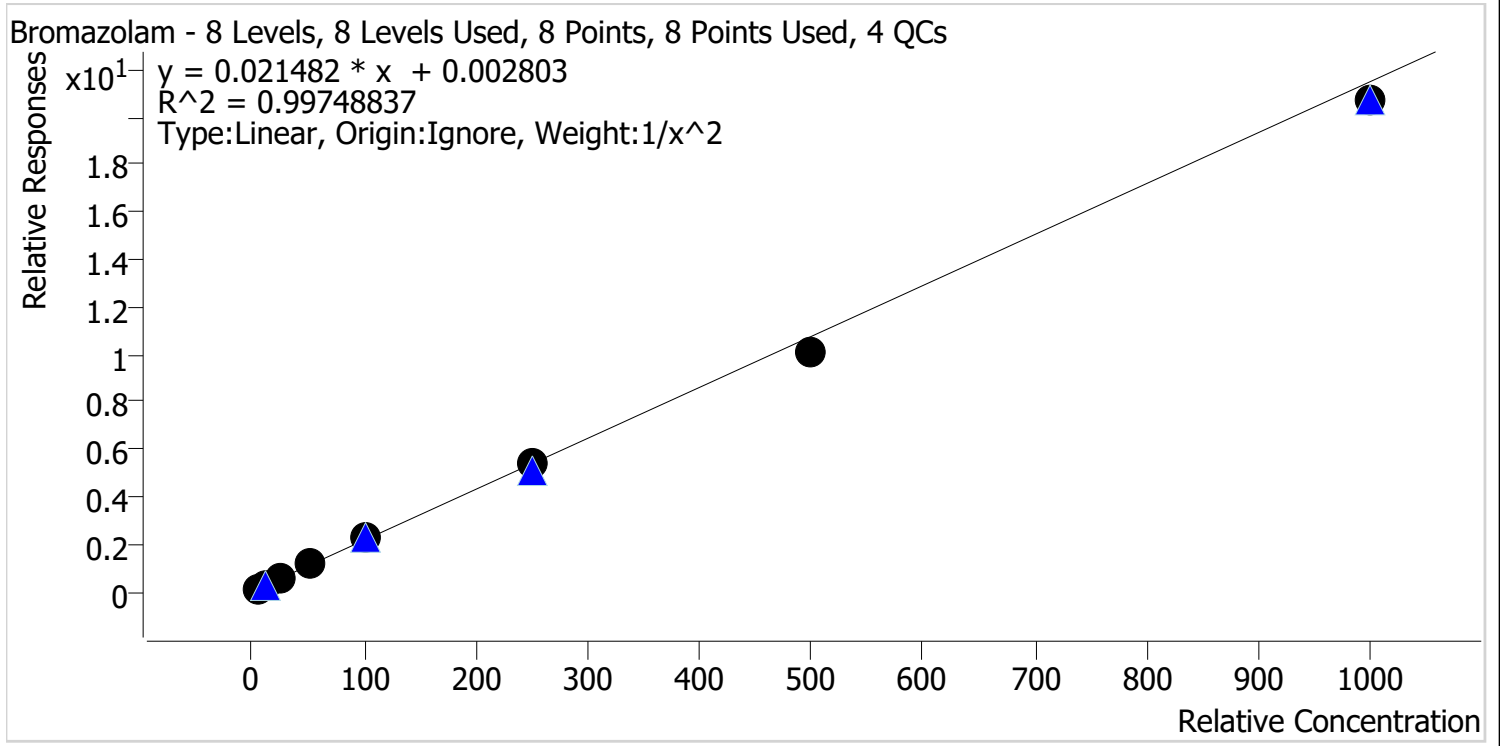


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	96.7
p1 Cal 2-10ng	2	✓	1.0	1.0	103.5
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.9
p1 Cal 4-50ng	4	✓	5.0	5.4	107.1
p1 Cal 5-100ng	5	✓	10.0	10.2	101.8
p1 Cal 6-250ng	6	✓	25.0	26.3	105.3
p1 Cal 7-500ng	7	✓	50.0	46.9	93.8
p1 Cal 8-1000ng	8	✓	100.0	87.9	87.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bromazolam **Internal Standard** Bromazolam-D5

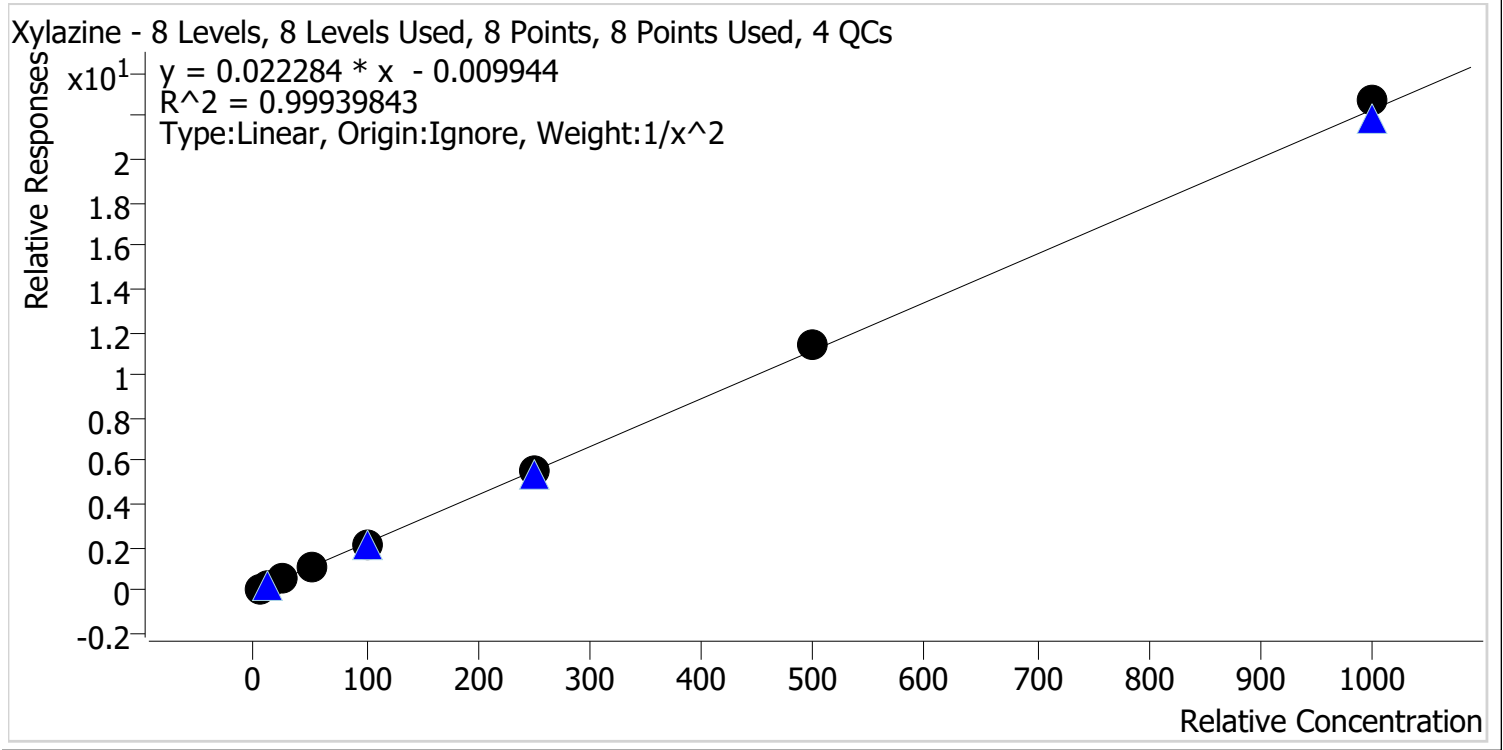


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.8
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	468.0	93.6
p1 Cal 8-1000ng	8	✓	1000.0	961.3	96.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Xylazine **Internal Standard** Xylanzine-D6

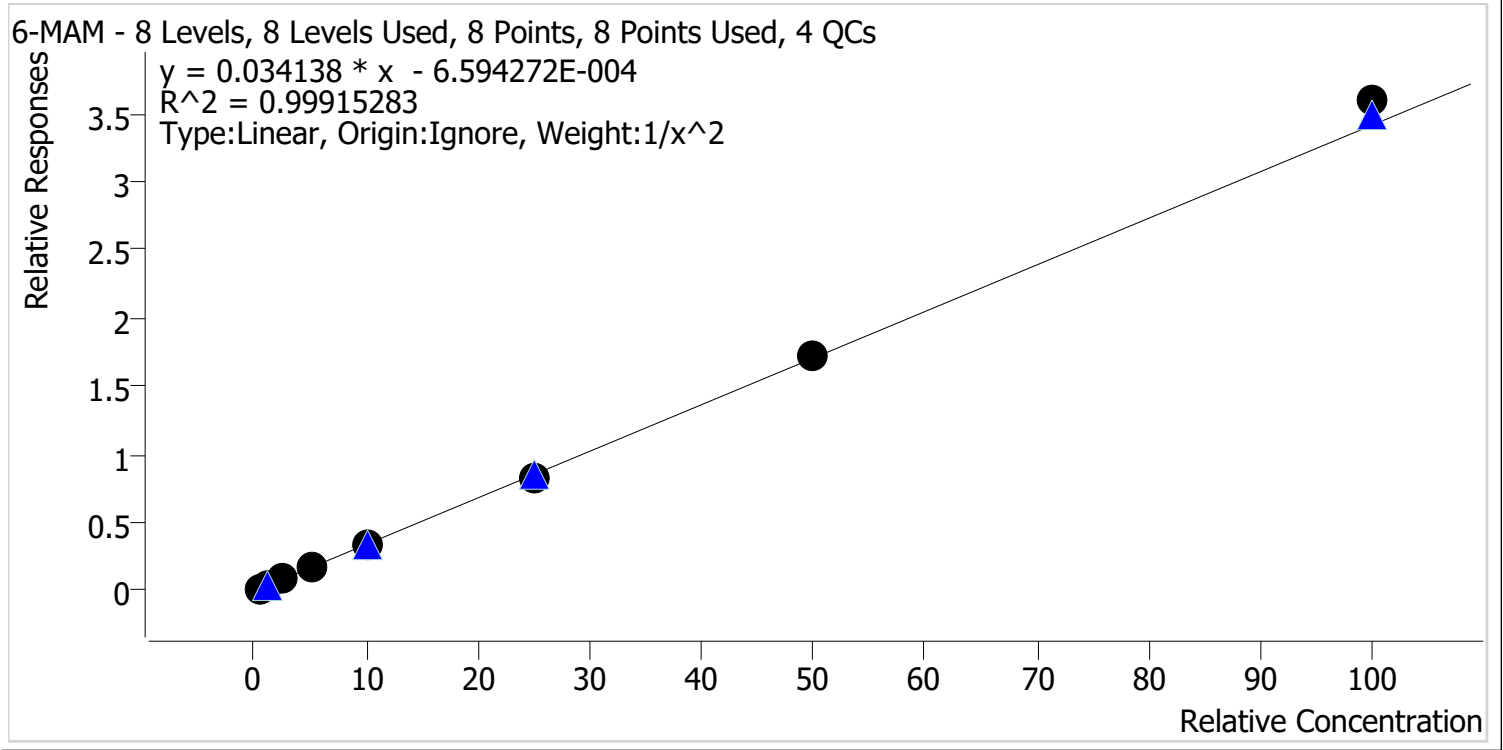


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	513.8	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1019.1	101.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

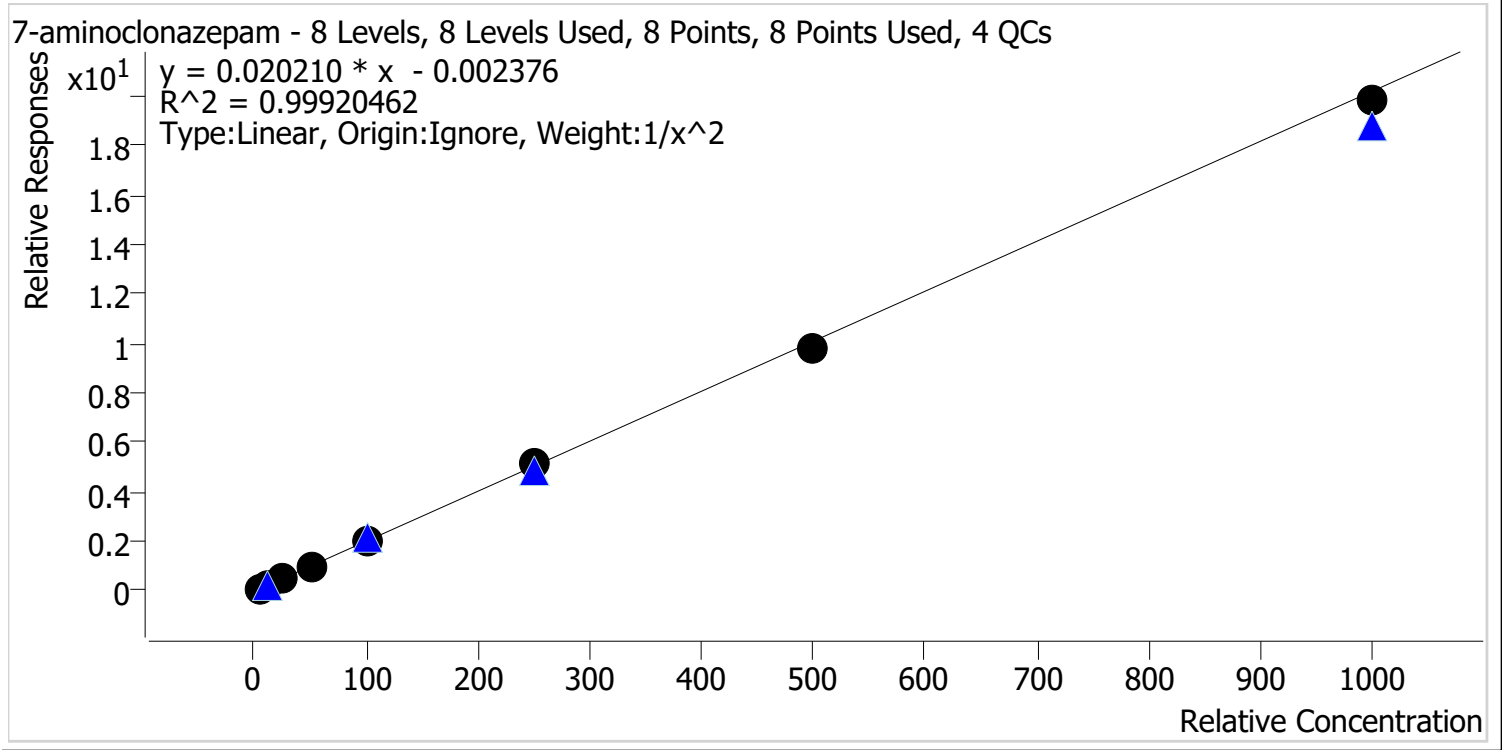


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.6
p1 Cal 2-10ng	2	✓	1.0	1.0	98.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.7
p1 Cal 4-50ng	4	✓	5.0	4.9	98.9
p1 Cal 5-100ng	5	✓	10.0	10.0	99.7
p1 Cal 6-250ng	6	✓	25.0	24.5	98.1
p1 Cal 7-500ng	7	✓	50.0	50.3	100.7
p1 Cal 8-1000ng	8	✓	100.0	105.3	105.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

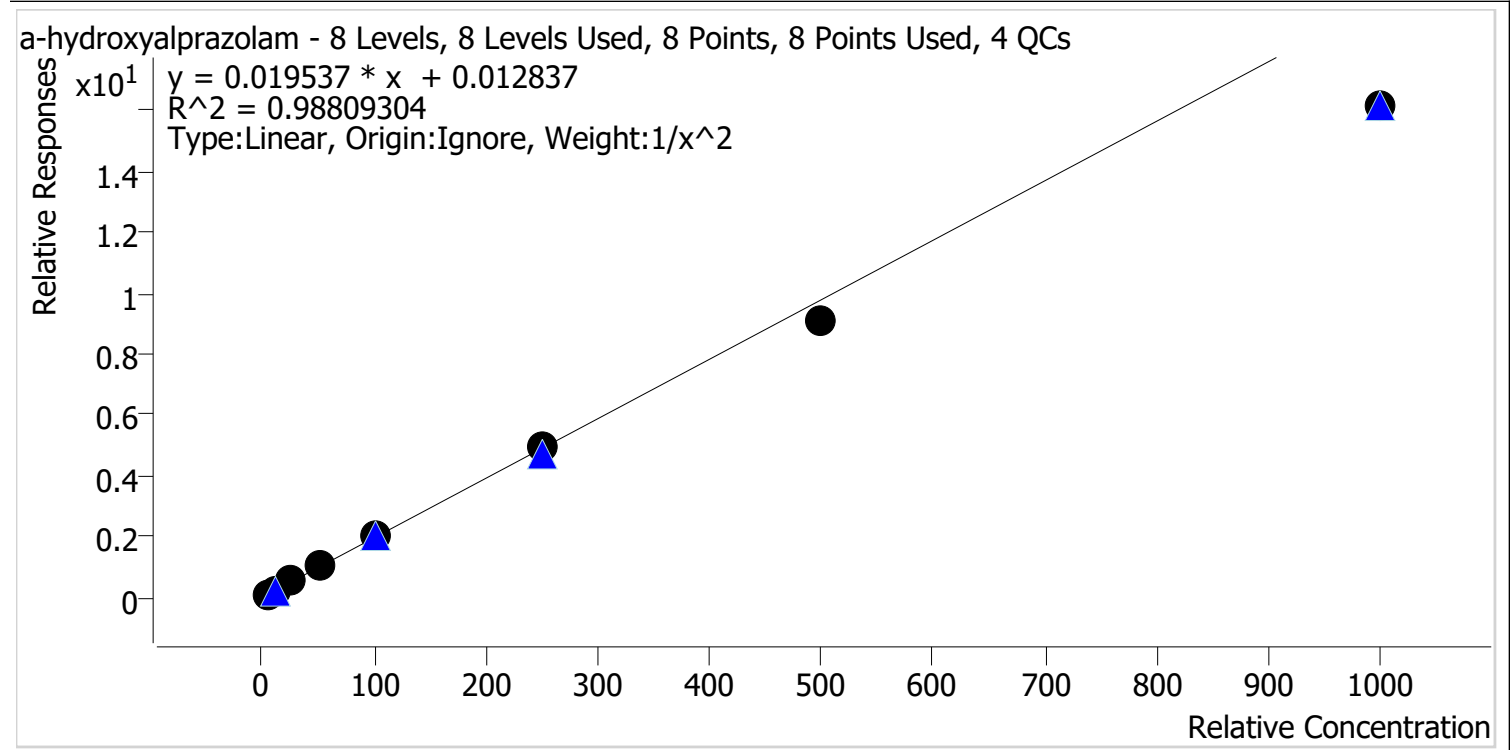


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	485.4	97.1
p1 Cal 8-1000ng	8	✓	1000.0	981.4	98.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



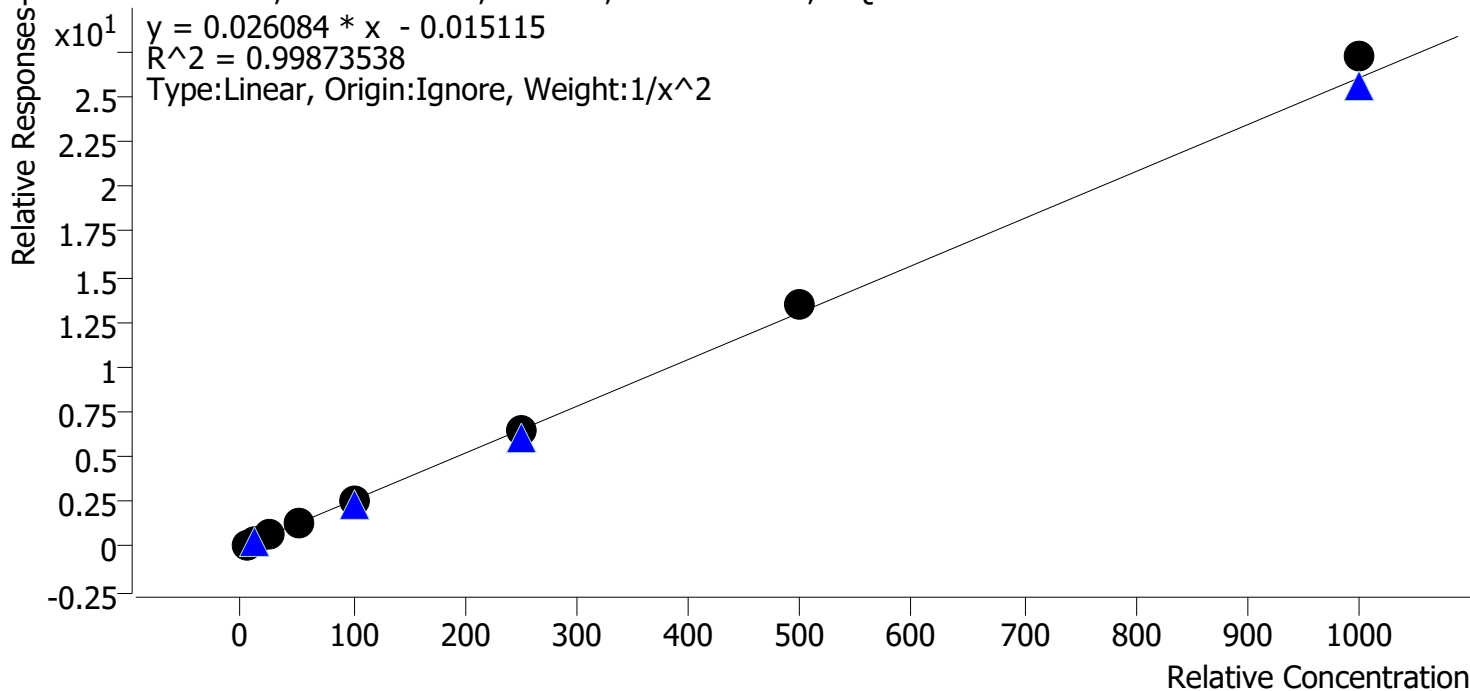
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	28.0	111.9
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	465.8	93.2
p1 Cal 8-1000ng	8	✓	1000.0	824.4	82.4



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 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, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	519.3	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1045.2	104.5

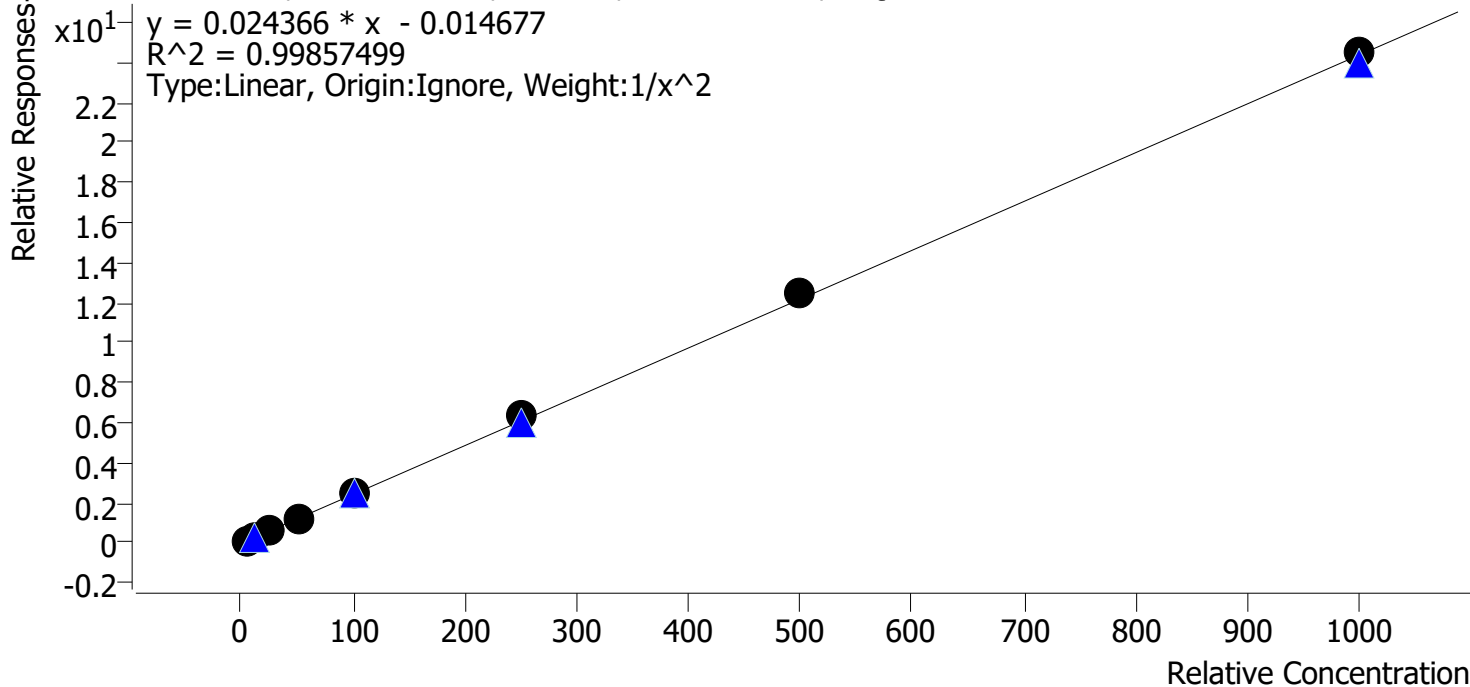




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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

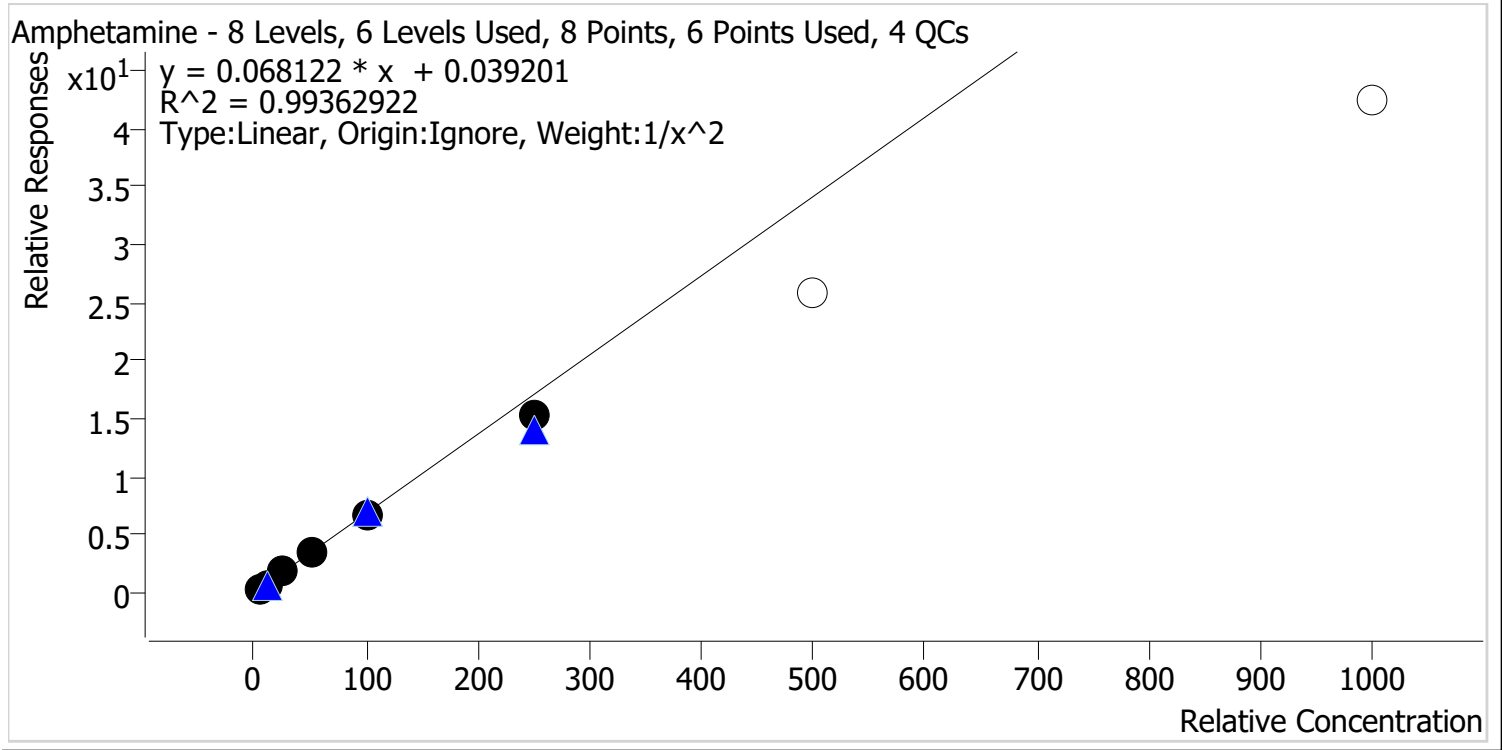


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	47.1	94.3
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	262.9	105.2
p1 Cal 7-500ng	7	✓	500.0	513.7	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1005.1	100.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

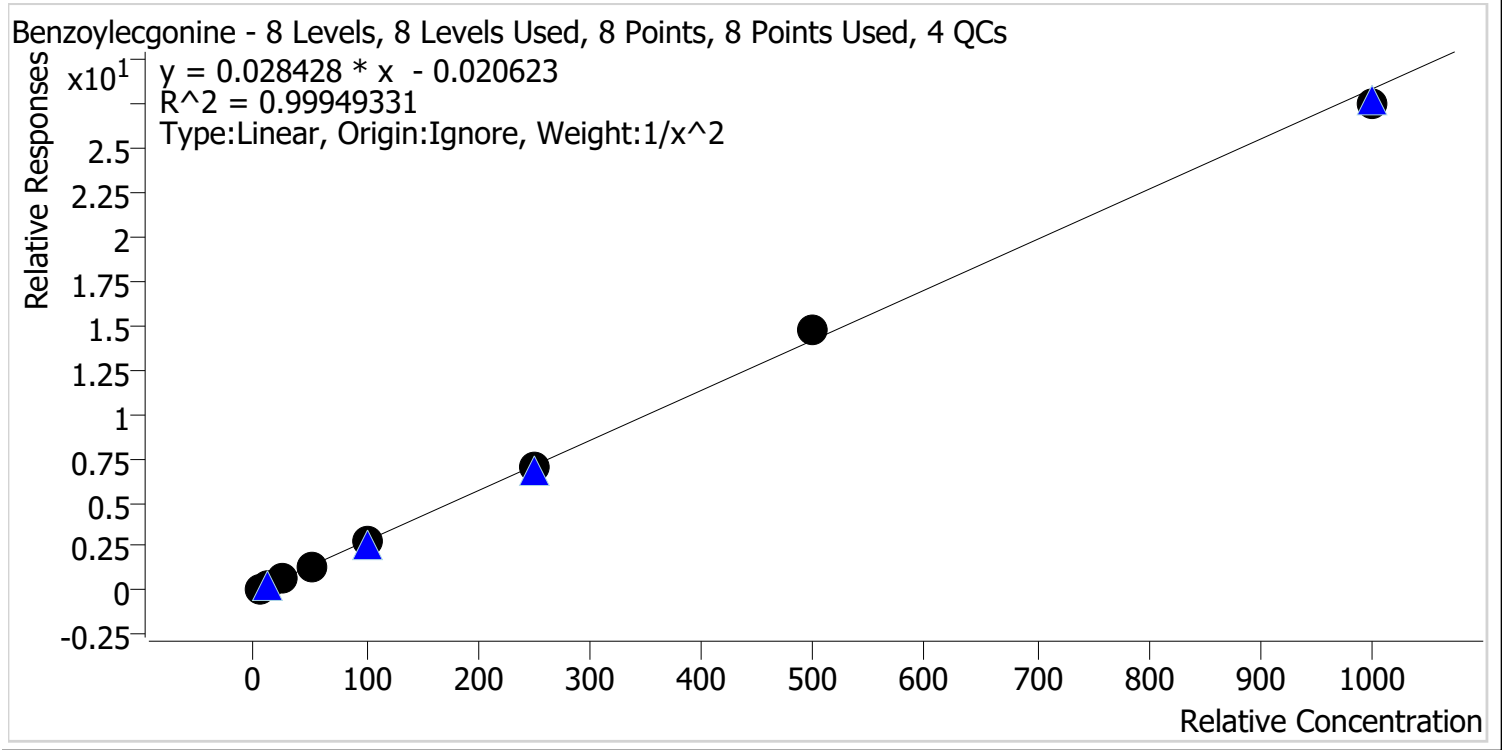


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	222.7	89.1
p1 Cal 7-500ng	7	x	500.0	377.9	75.6
p1 Cal 8-1000ng	8	x	1000.0	621.0	62.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



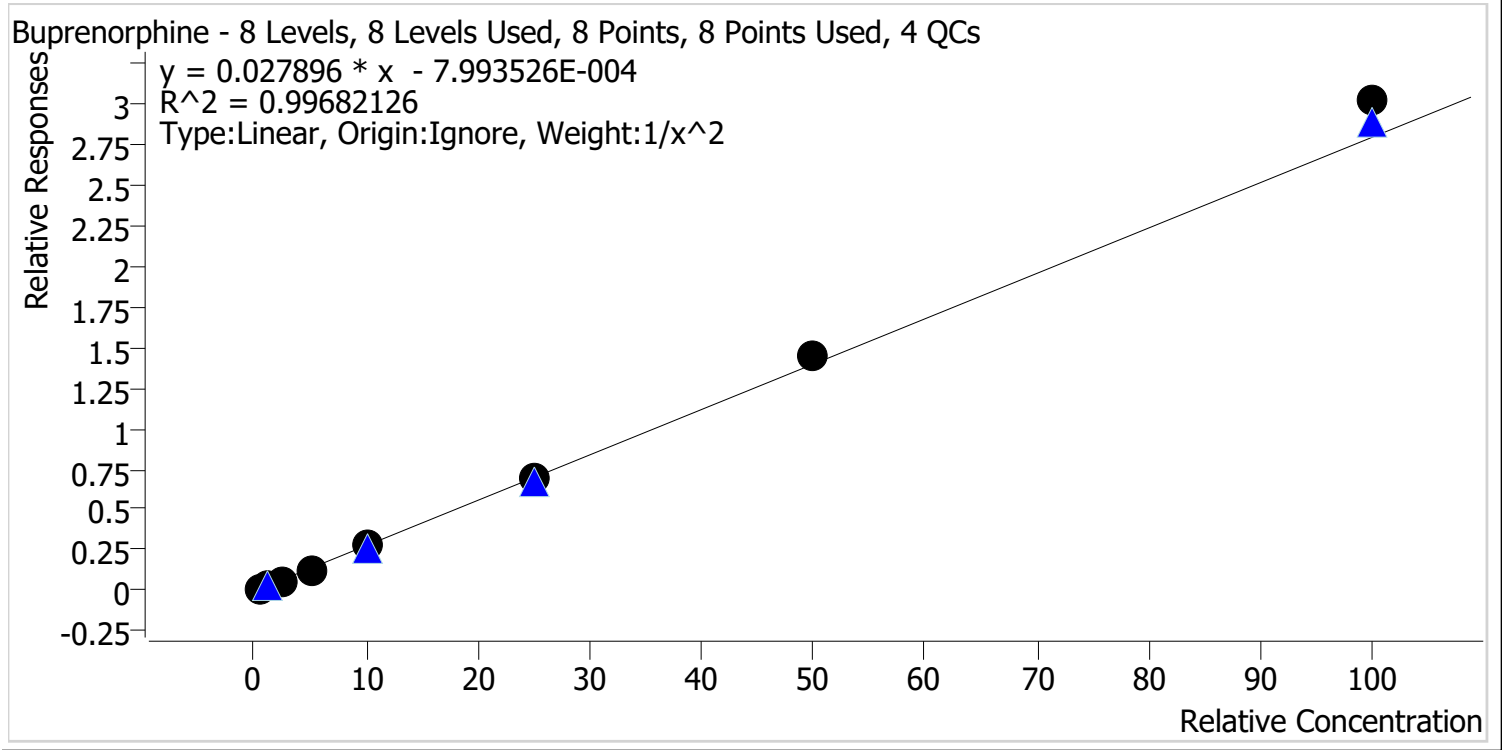
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	972.7	97.3

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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

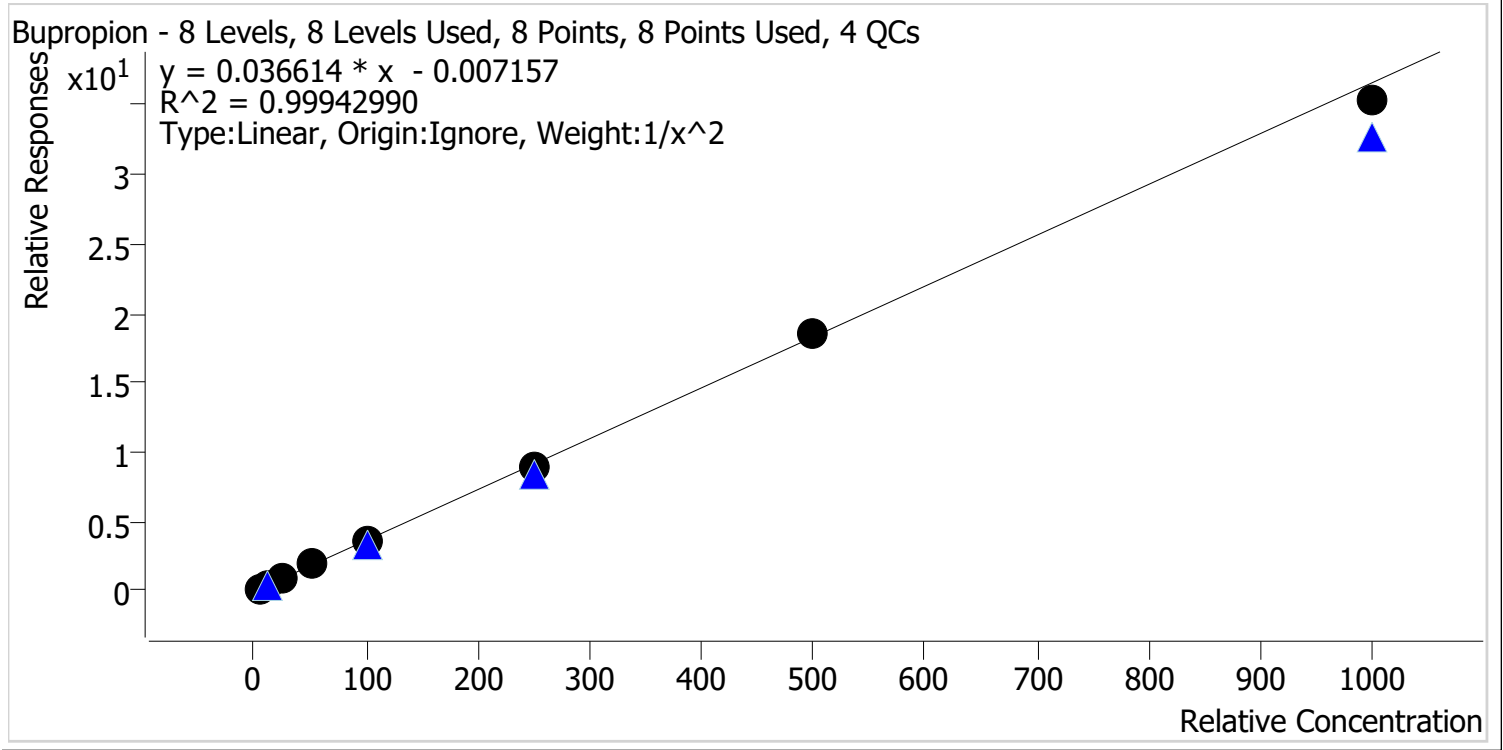


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.5
p1 Cal 2-10ng	2	✓	1.0	1.0	99.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.4
p1 Cal 4-50ng	4	✓	5.0	4.8	95.5
p1 Cal 5-100ng	5	✓	10.0	9.9	98.8
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	52.0	104.0
p1 Cal 8-1000ng	8	✓	100.0	108.1	108.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



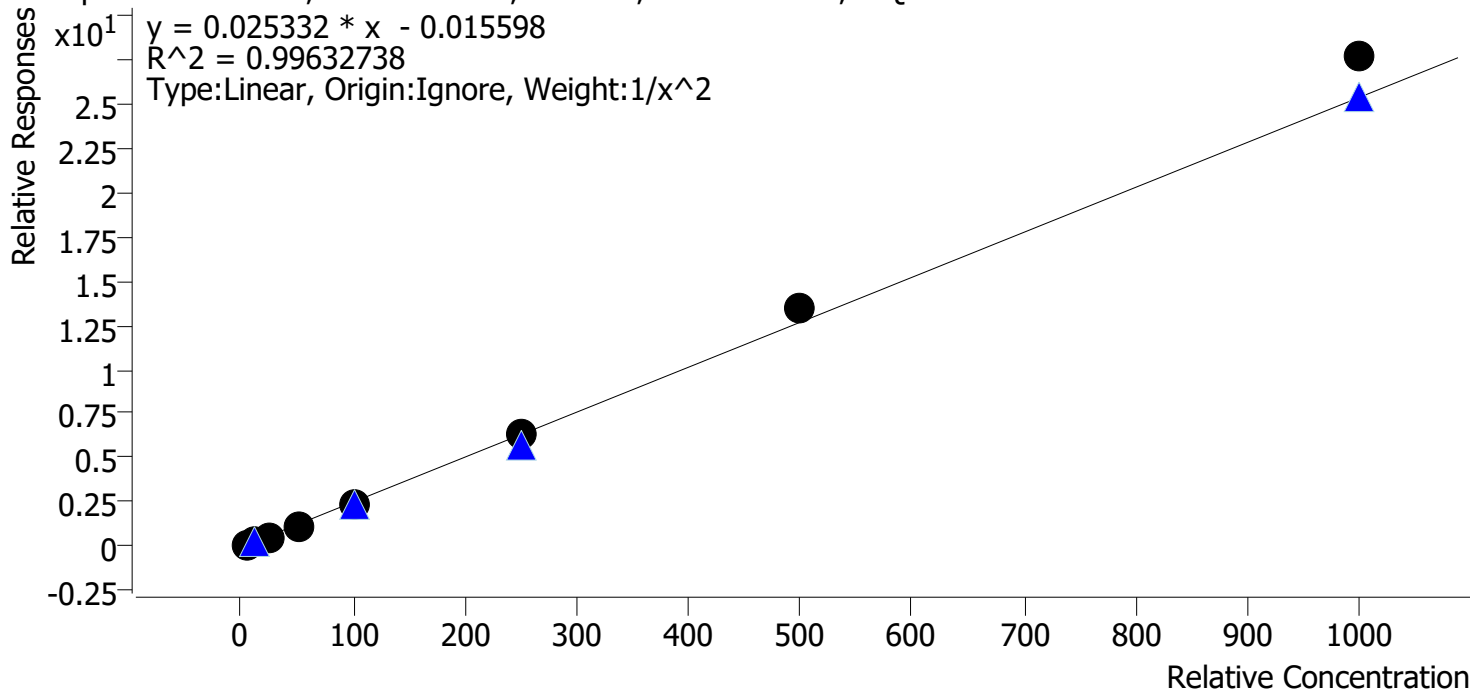
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	507.5	101.5
p1 Cal 8-1000ng	8	✓	1000.0	964.8	96.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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

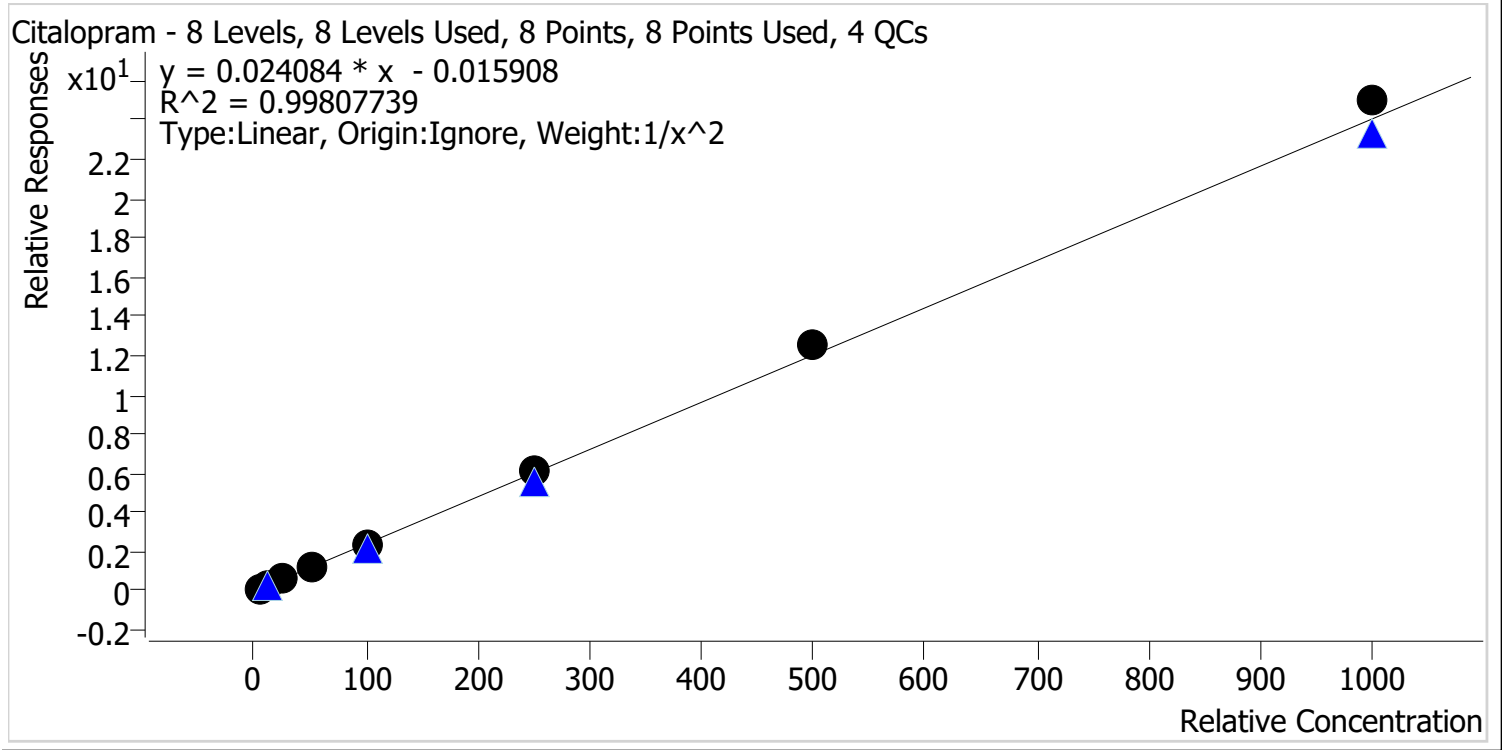


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	47.4	94.8
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	527.6	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1090.9	109.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

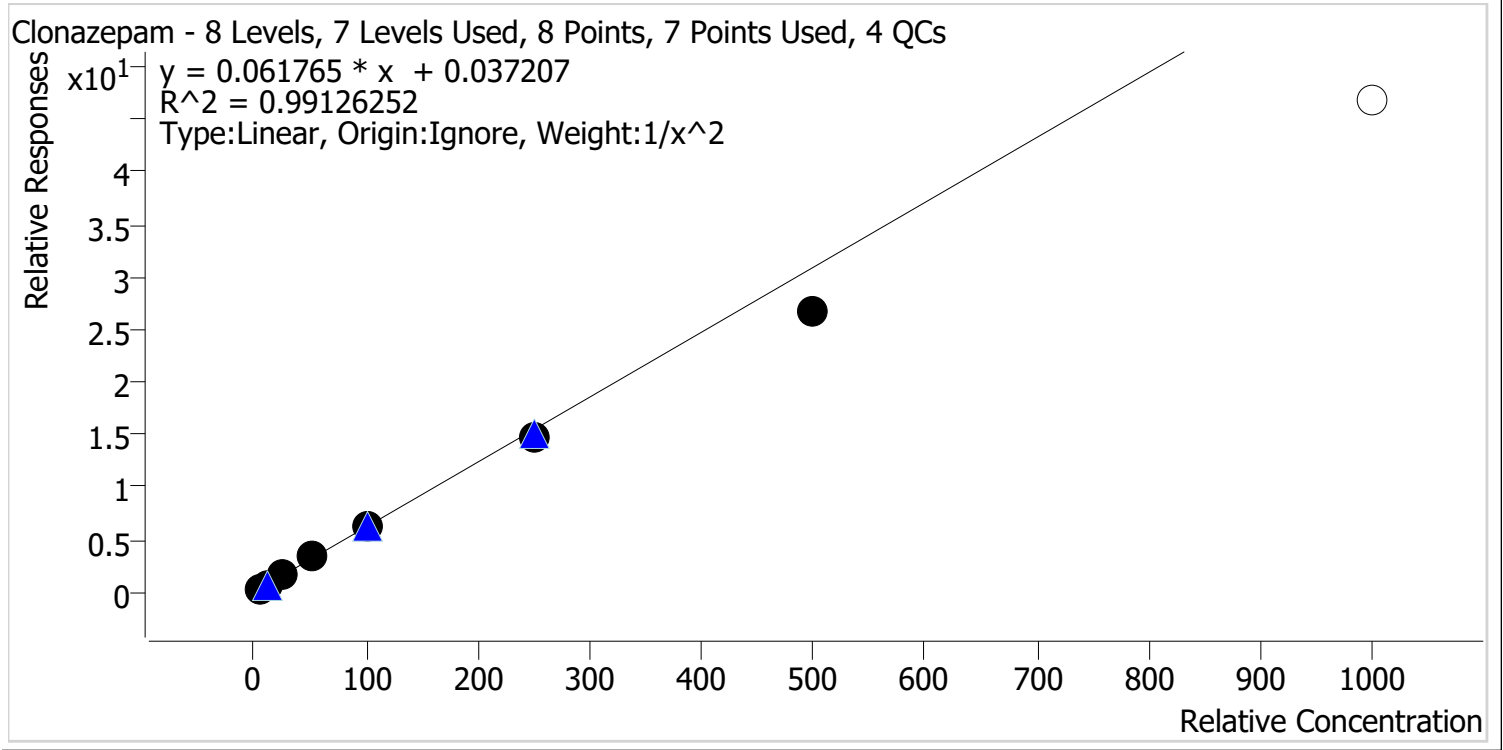


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	523.8	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1038.9	103.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



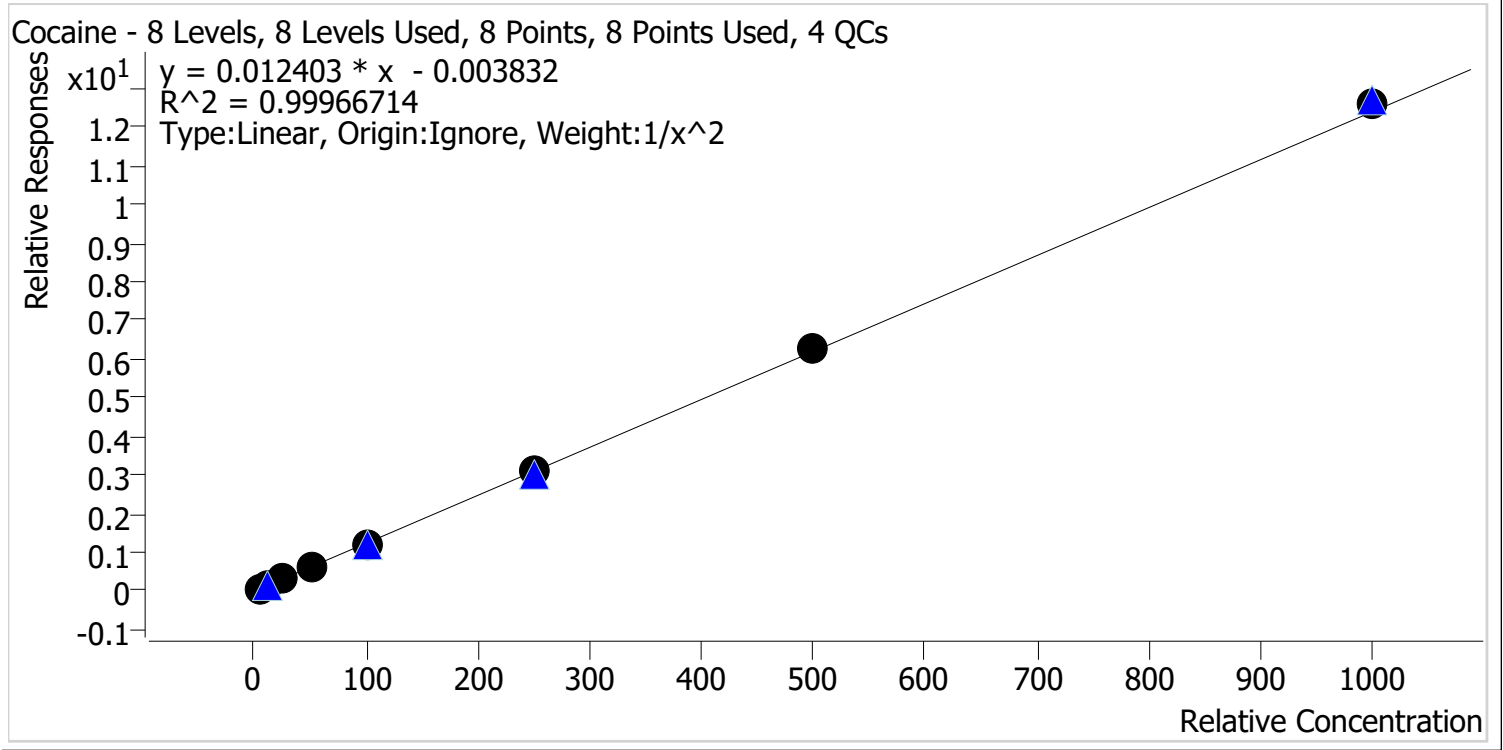
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.7
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	238.9	95.6
p1 Cal 7-500ng	7	✓	500.0	431.0	86.2
p1 Cal 8-1000ng	8	✗	1000.0	756.8	75.7





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-D3

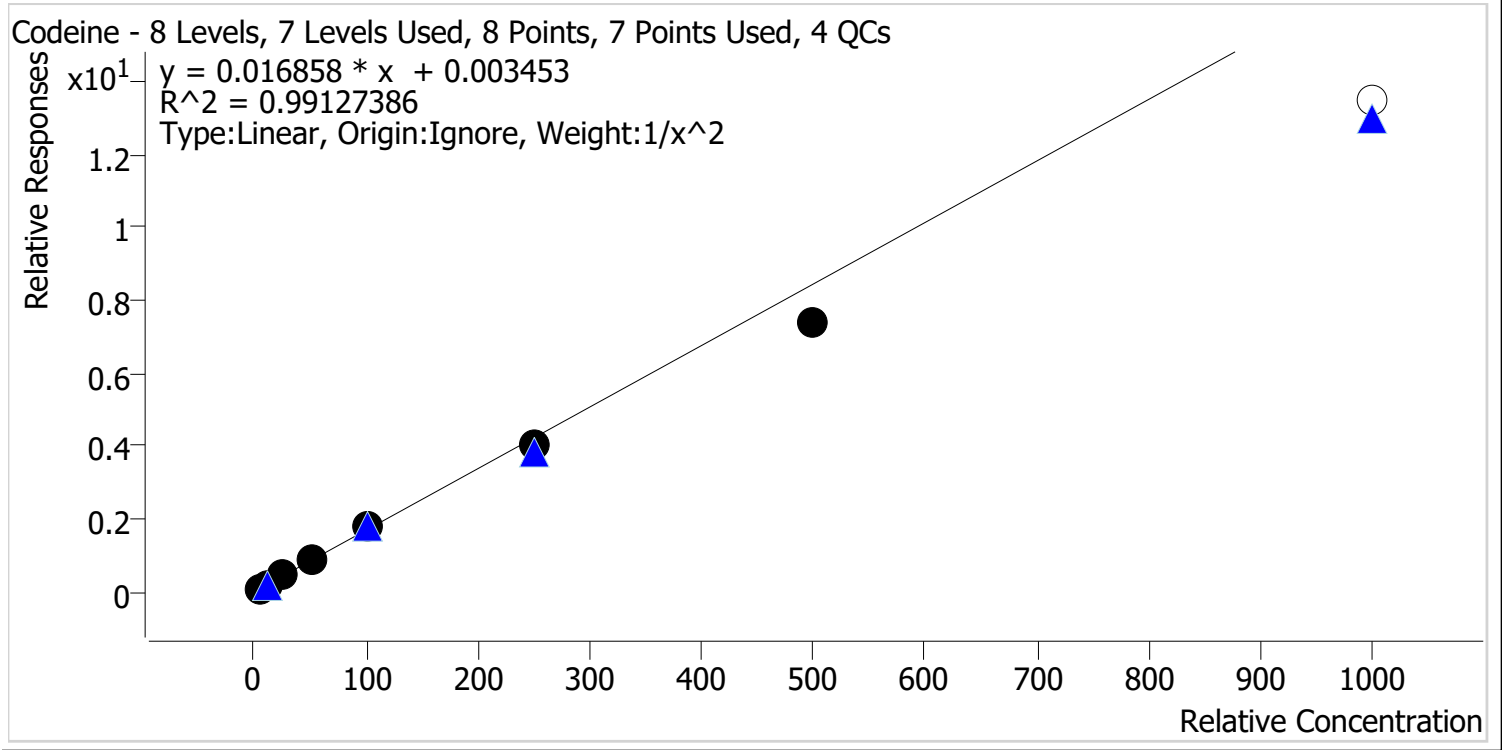


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	506.4	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1019.3	101.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

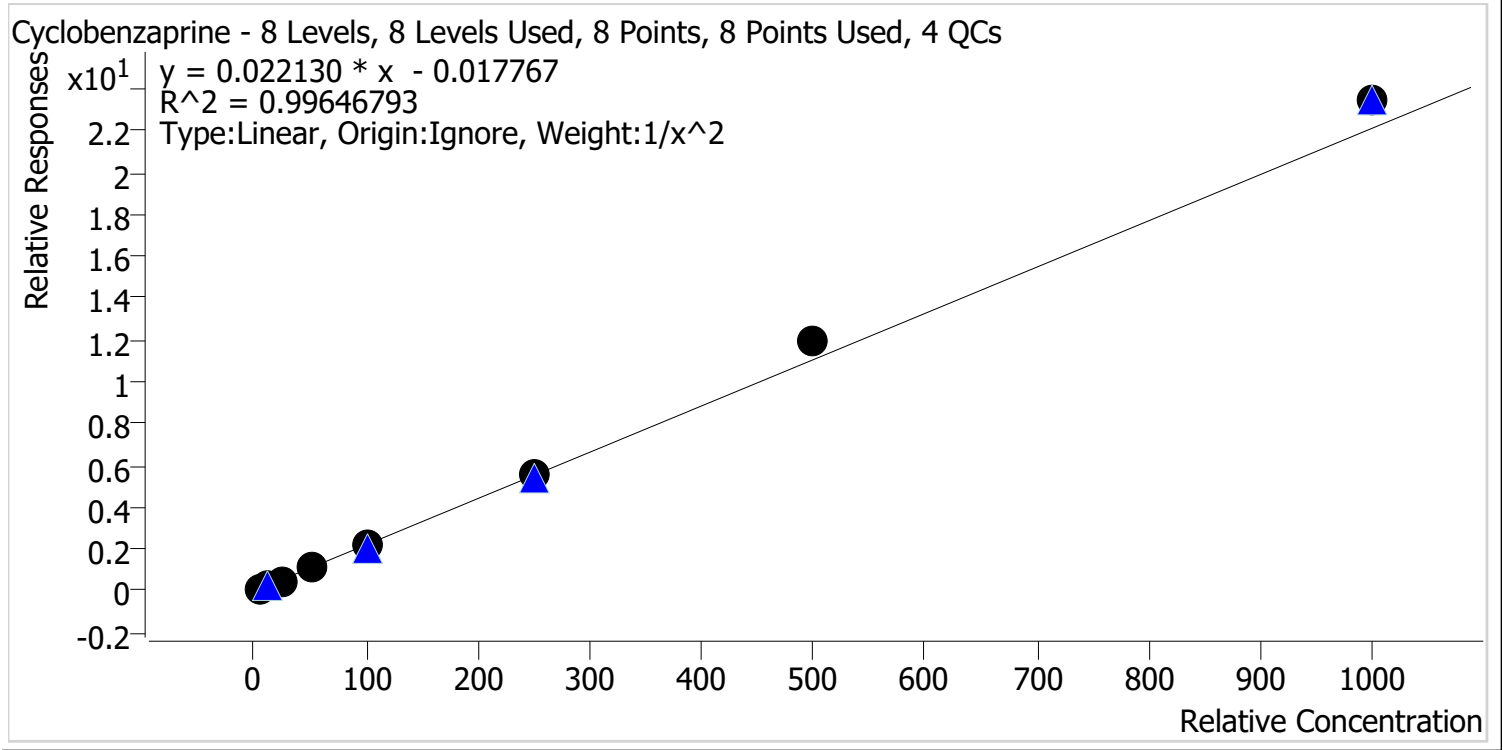


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.7	106.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	236.9	94.8
p1 Cal 7-500ng	7	✓	500.0	435.3	87.1
p1 Cal 8-1000ng	8	✗	1000.0	798.1	79.8



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

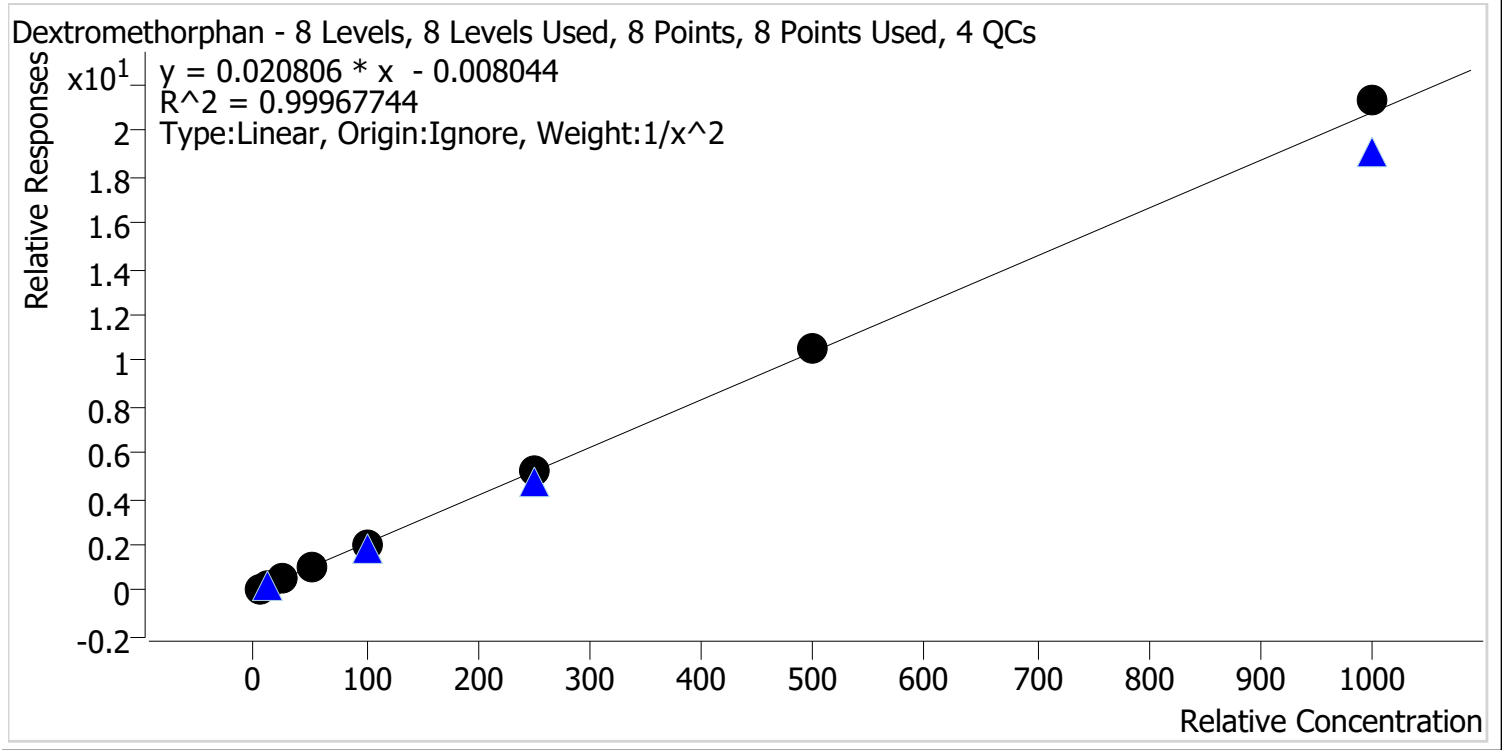


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	539.8	108.0
p1 Cal 8-1000ng	8	✓	1000.0	1058.5	105.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

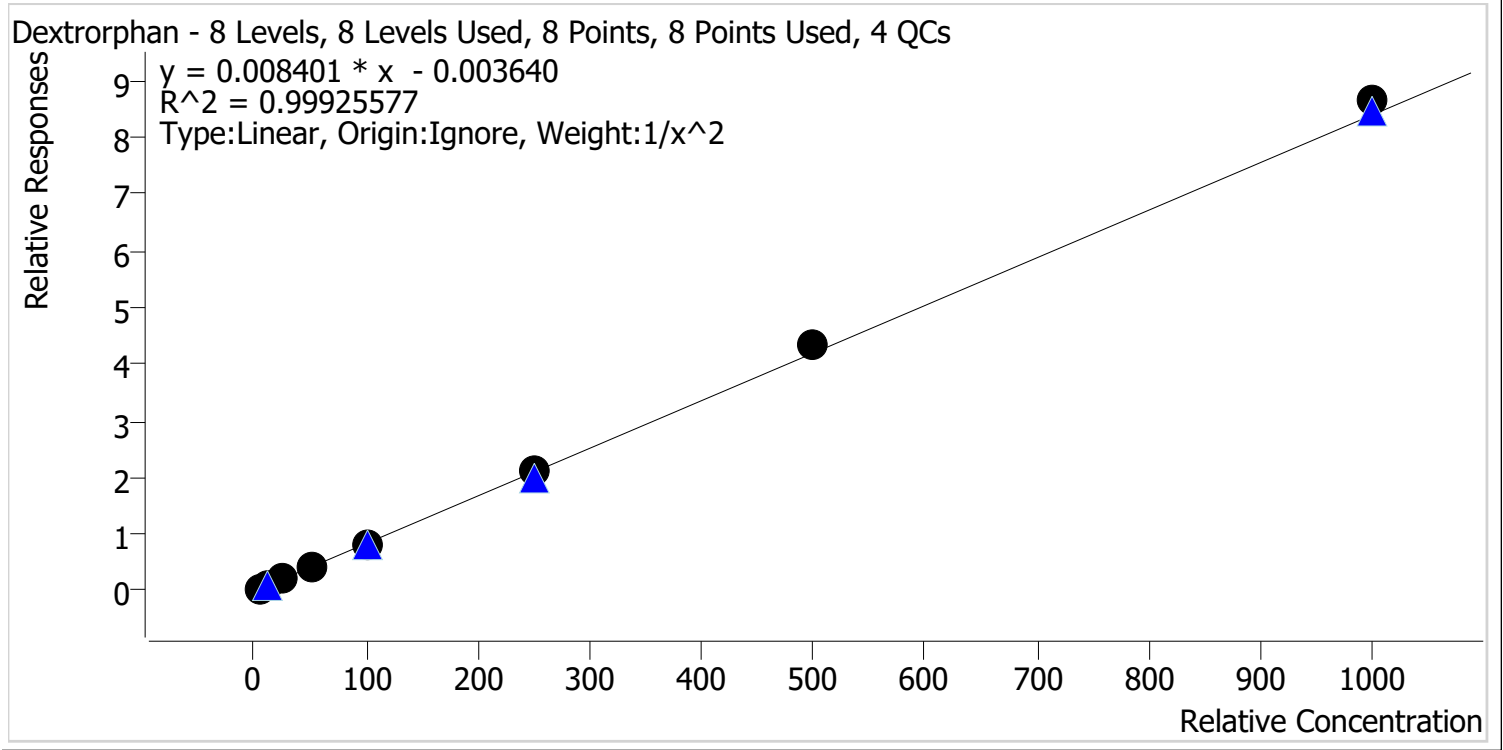


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1024.9	102.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

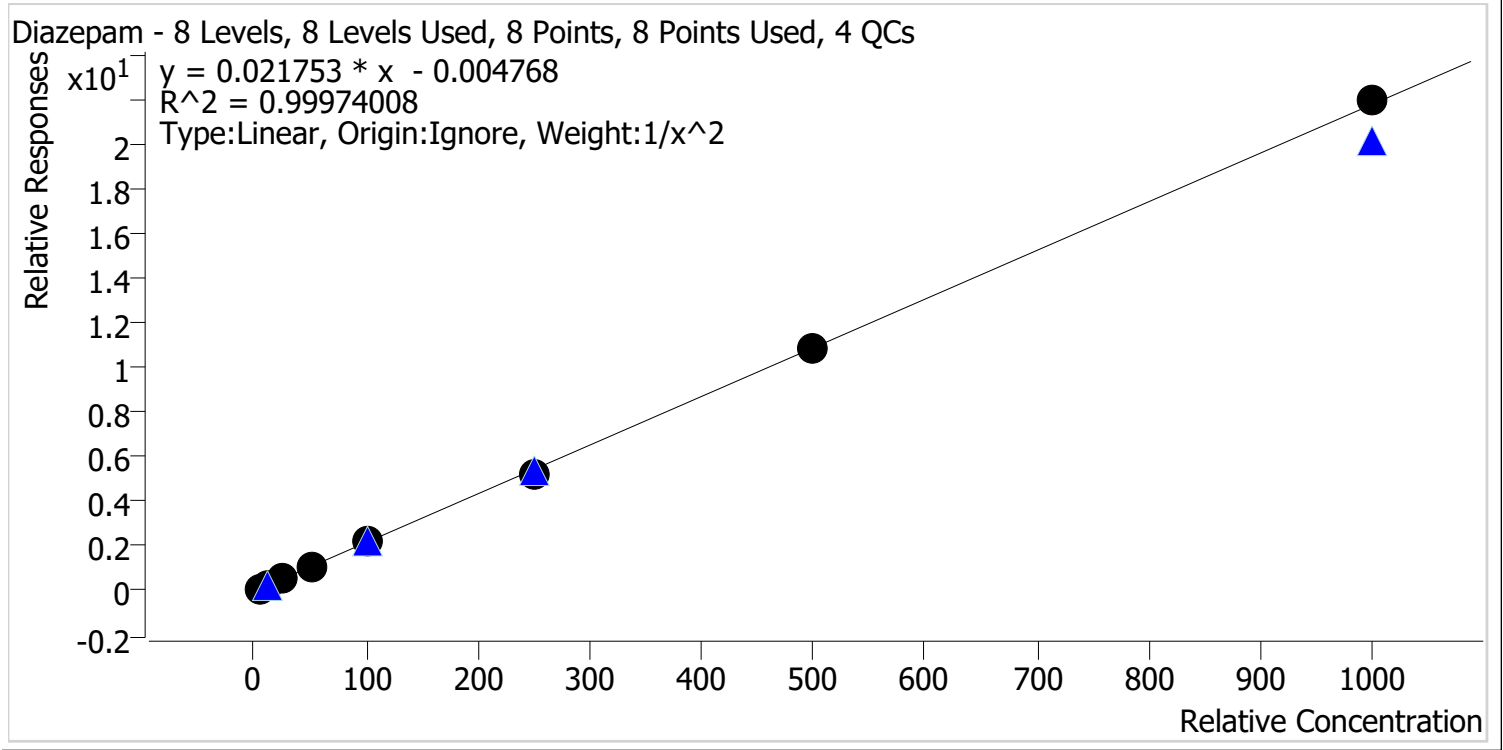


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	513.9	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1030.3	103.0



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

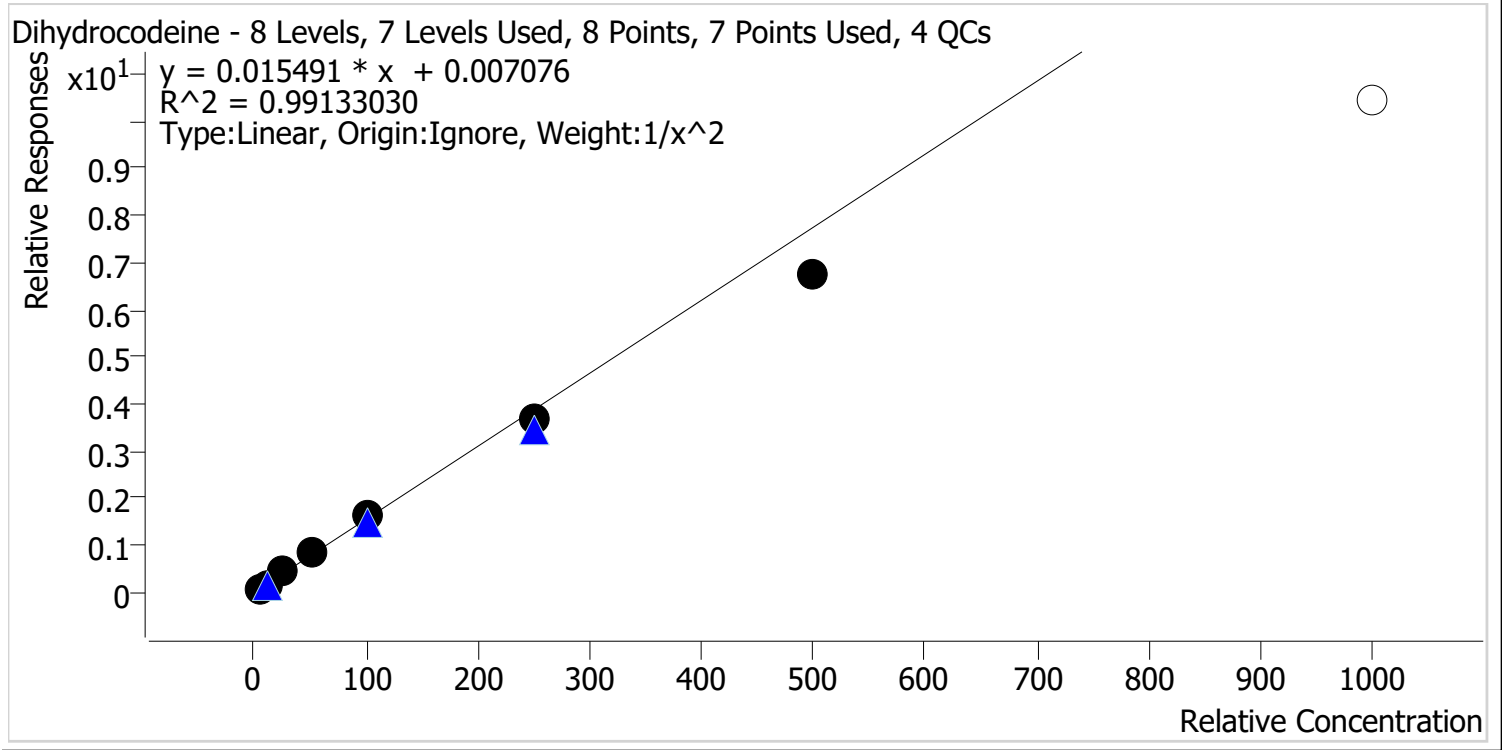


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1007.9	100.8



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

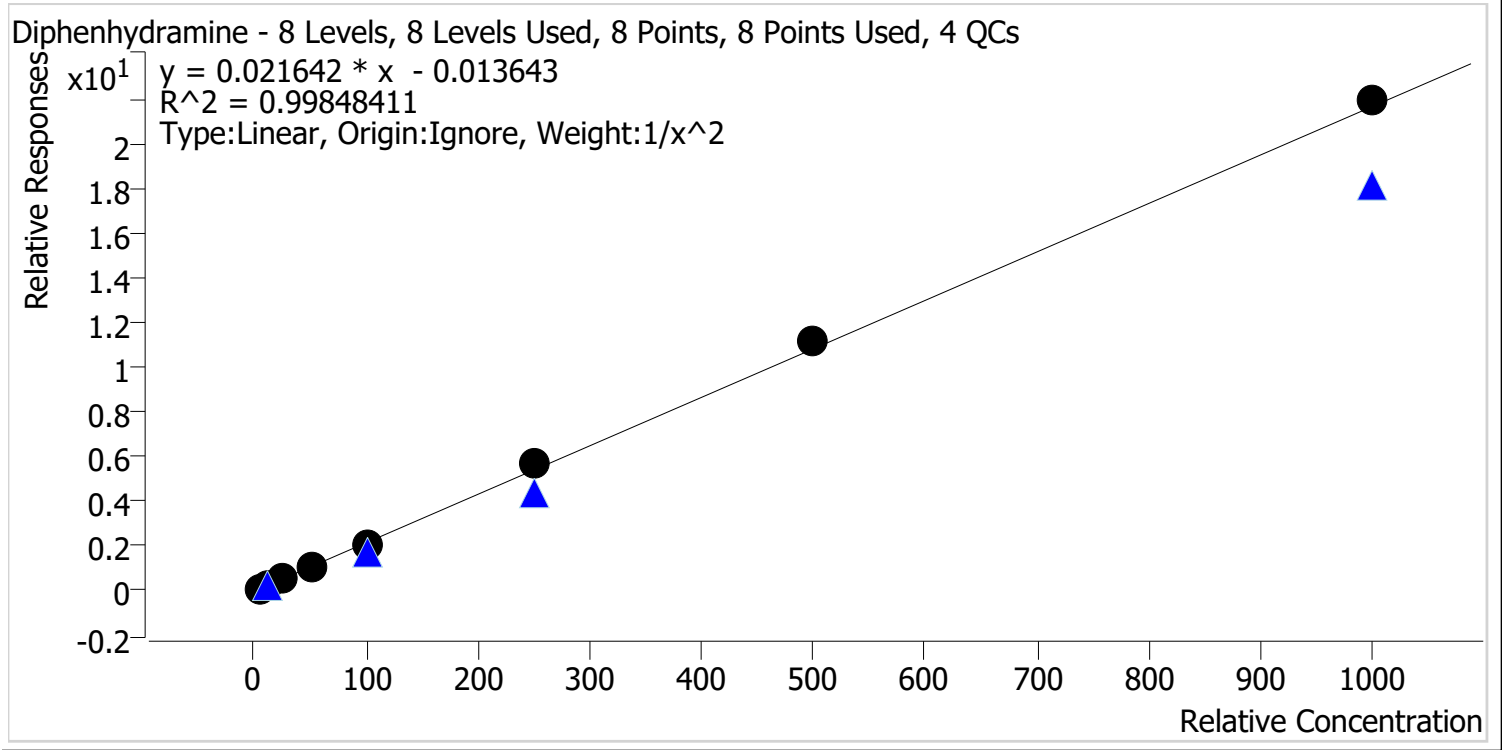


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	237.1	94.8
p1 Cal 7-500ng	7	✓	500.0	433.5	86.7
p1 Cal 8-1000ng	8	✗	1000.0	673.6	67.4



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3



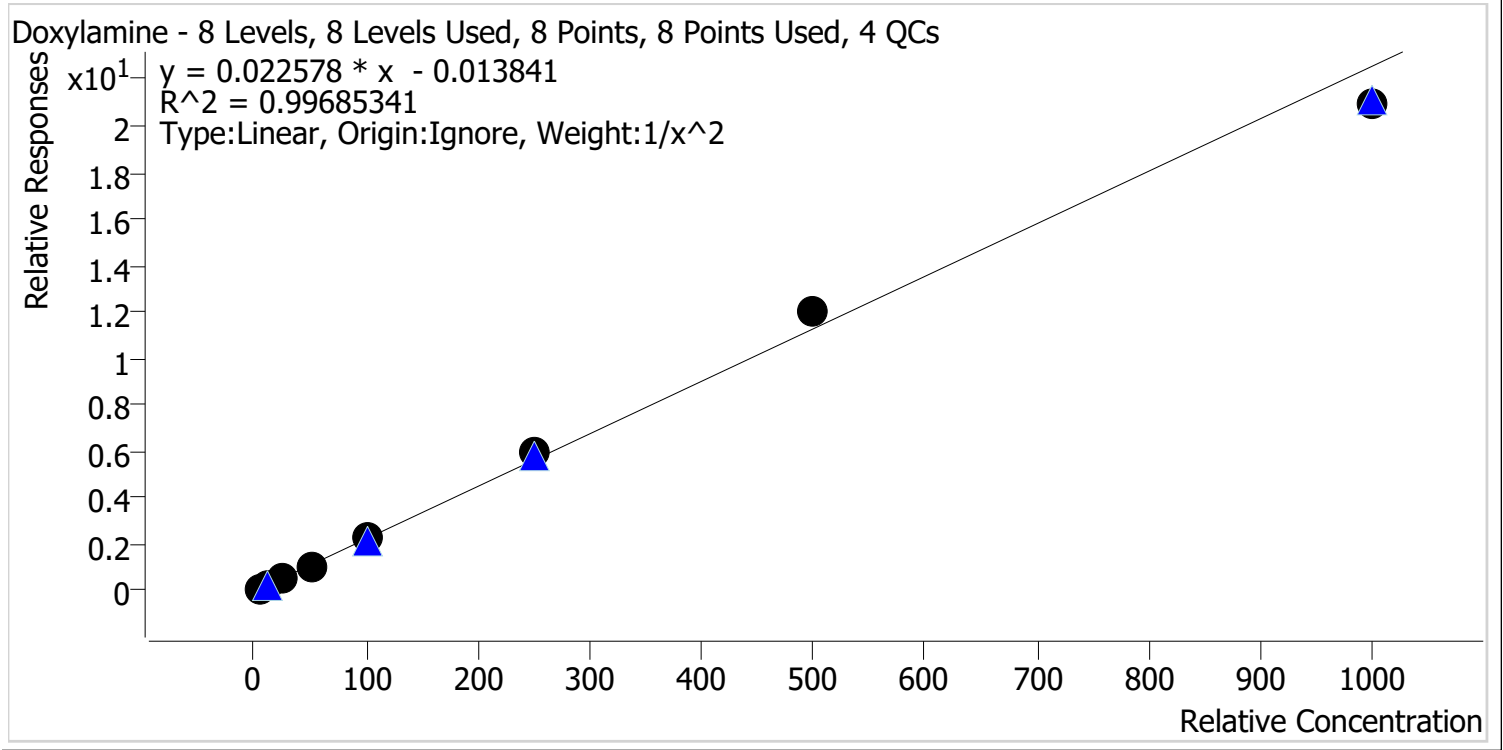
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	261.1	104.5
p1 Cal 7-500ng	7	✓	500.0	515.9	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1012.4	101.2





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



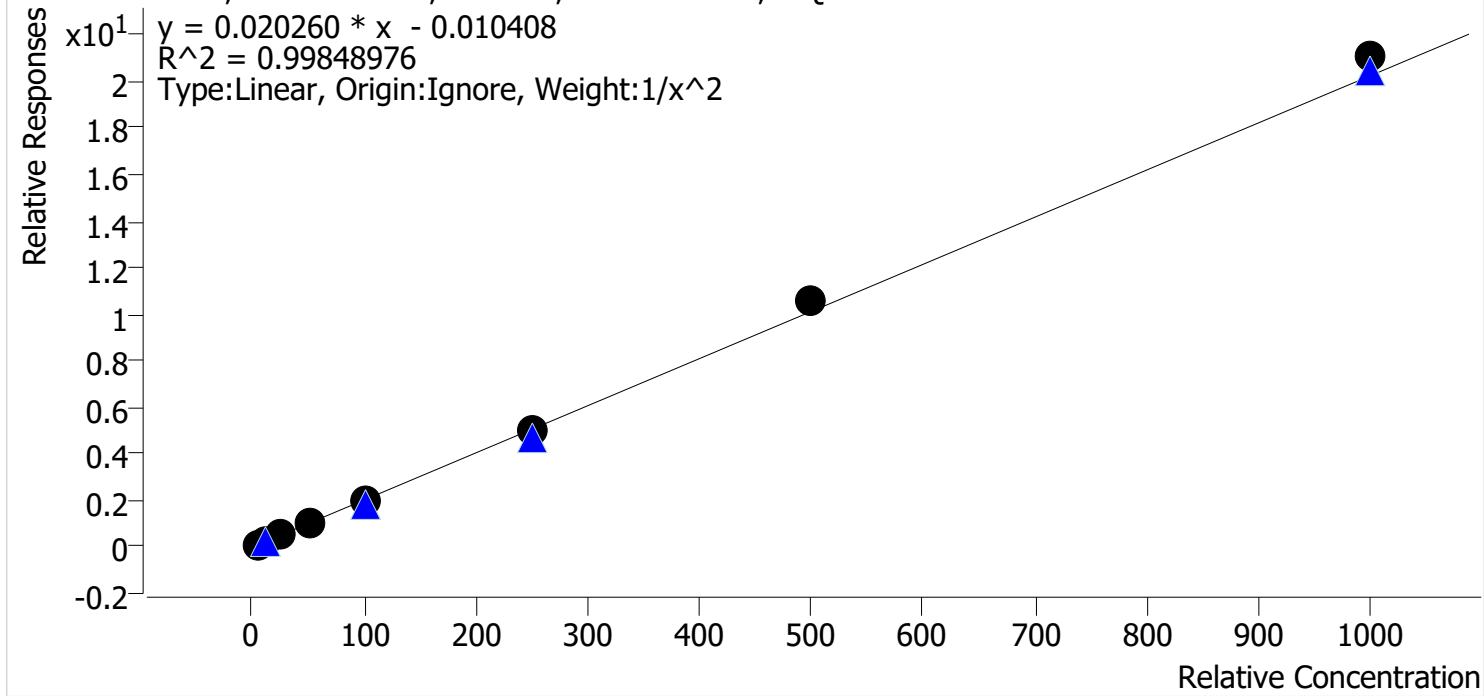
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	265.2	106.1
p1 Cal 7-500ng	7	✓	500.0	535.3	107.1
p1 Cal 8-1000ng	8	✓	1000.0	930.6	93.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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

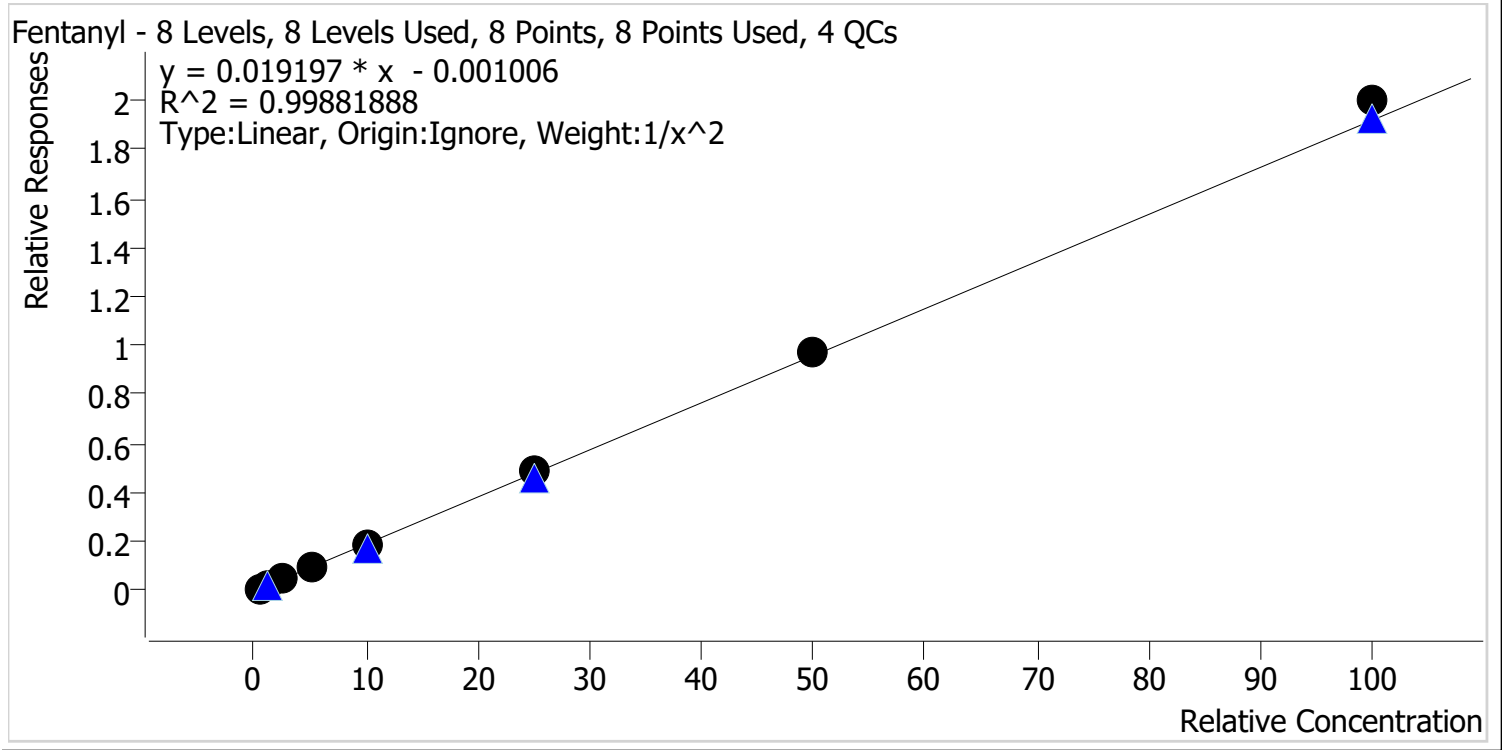


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	526.7	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1040.8	104.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

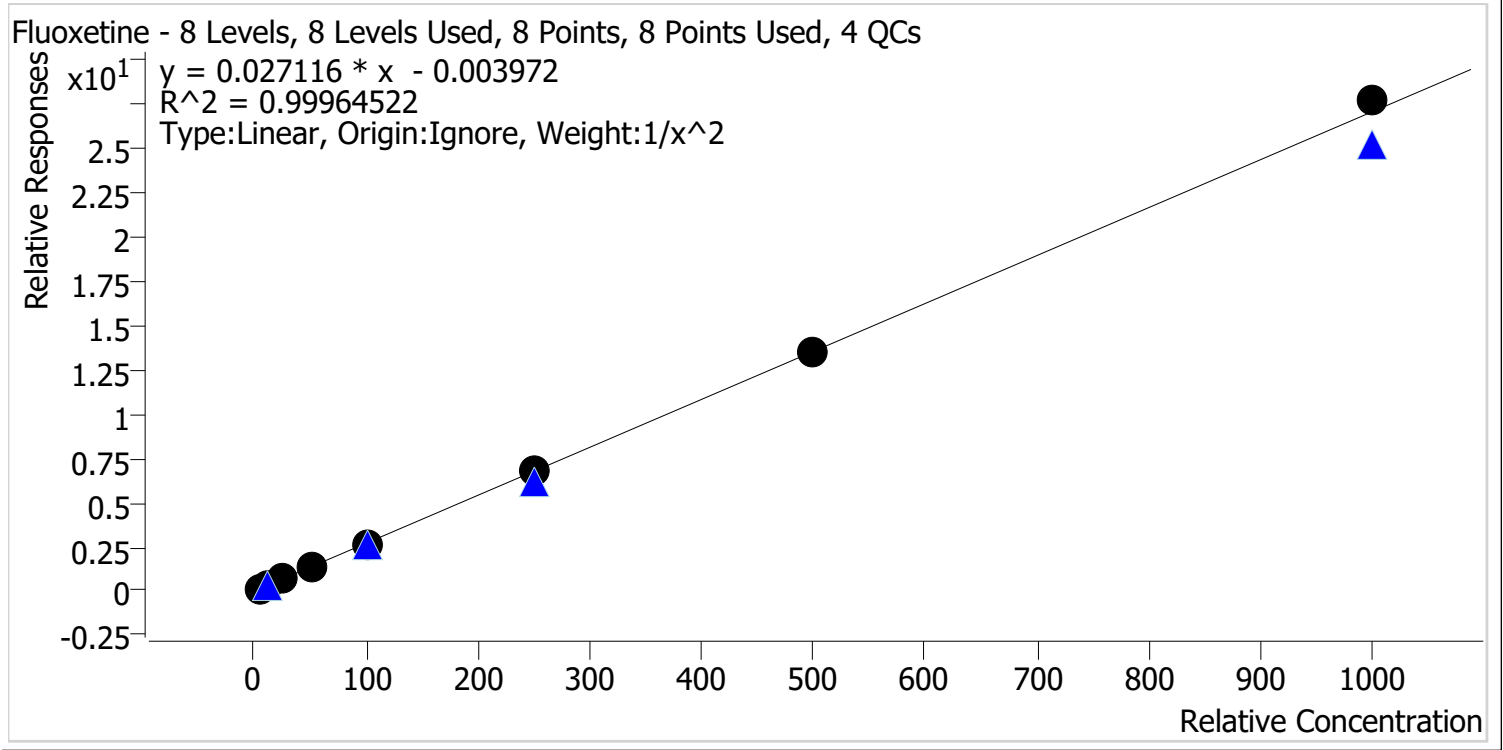


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.8
p1 Cal 2-10ng	2	✓	1.0	1.0	98.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.4
p1 Cal 4-50ng	4	✓	5.0	4.9	98.2
p1 Cal 5-100ng	5	✓	10.0	9.9	99.4
p1 Cal 6-250ng	6	✓	25.0	25.2	101.0
p1 Cal 7-500ng	7	✓	50.0	51.1	102.1
p1 Cal 8-1000ng	8	✓	100.0	104.2	104.2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

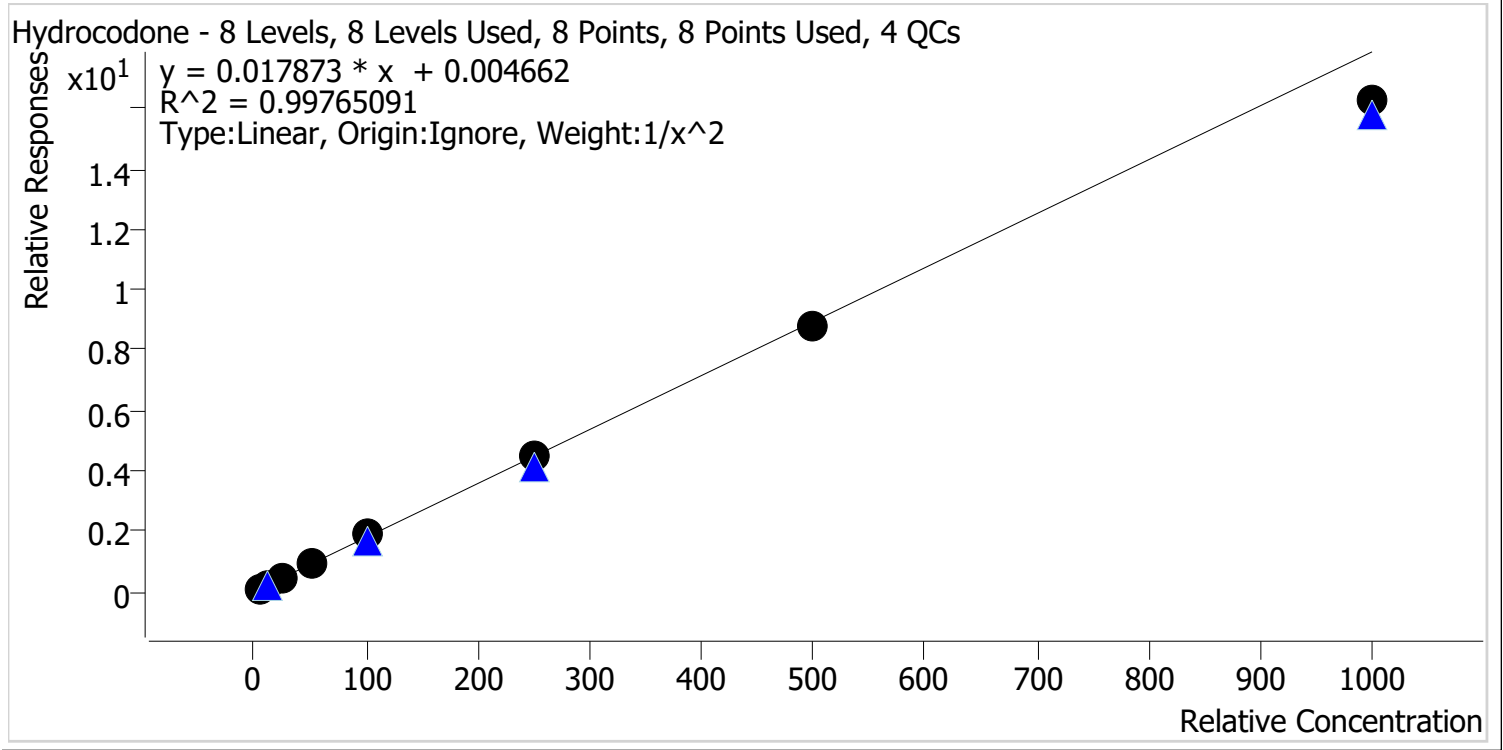


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1023.4	102.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



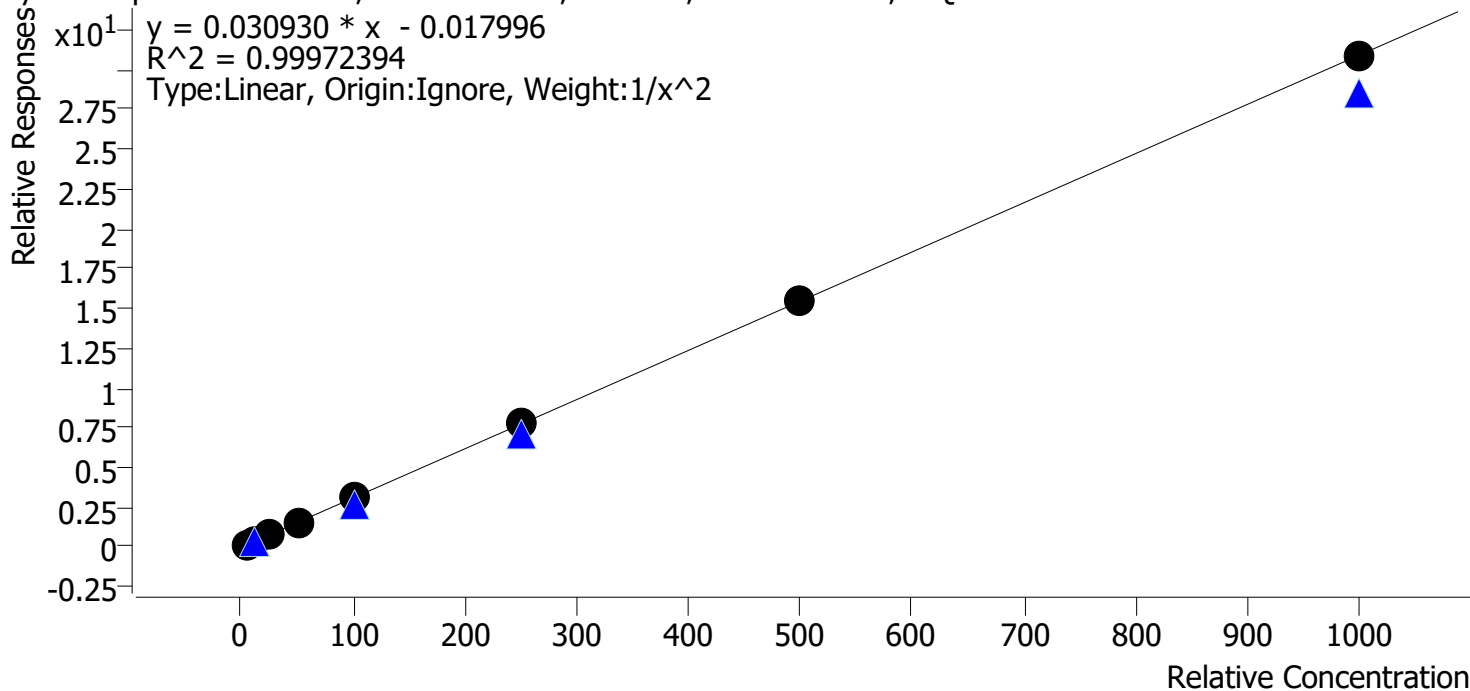
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	909.5	91.0



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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

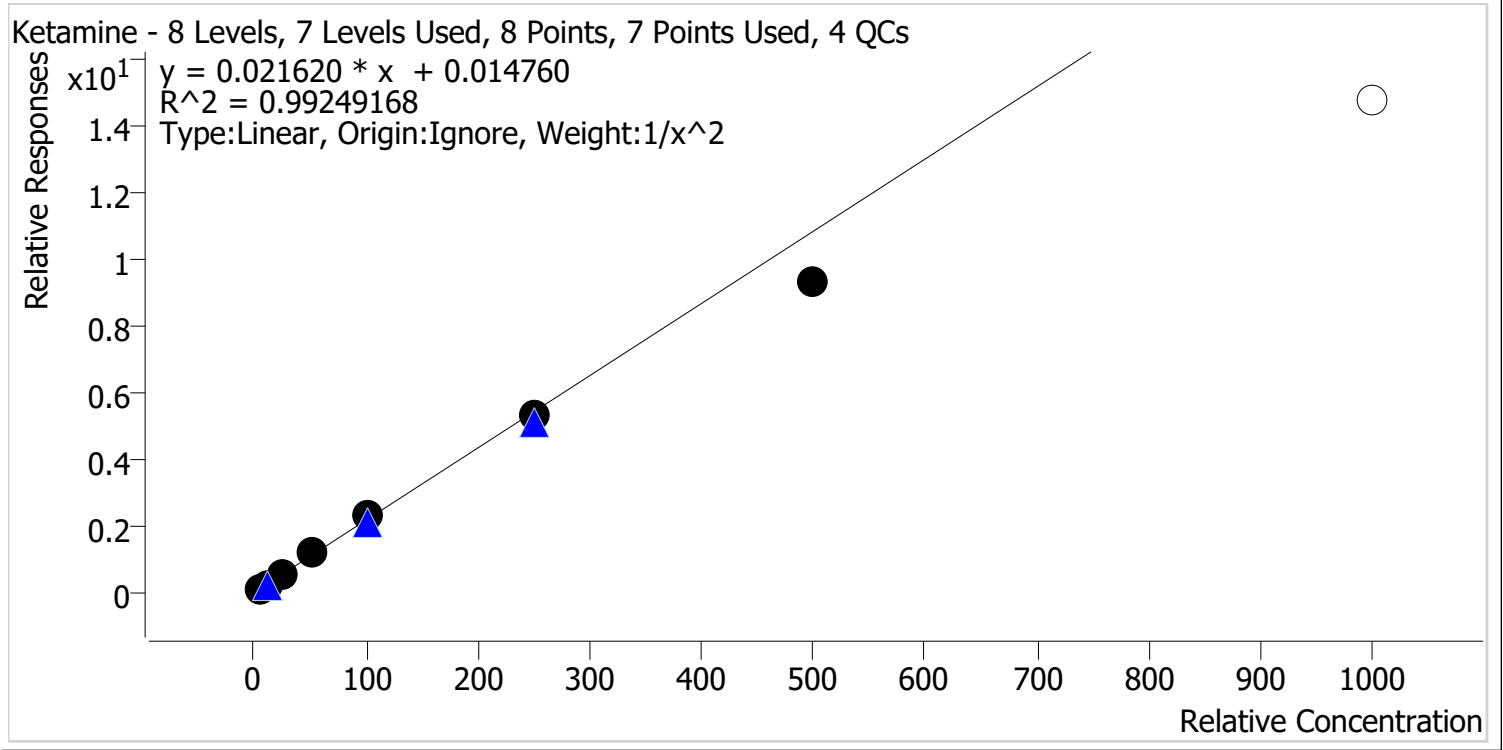


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	997.1	99.7



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

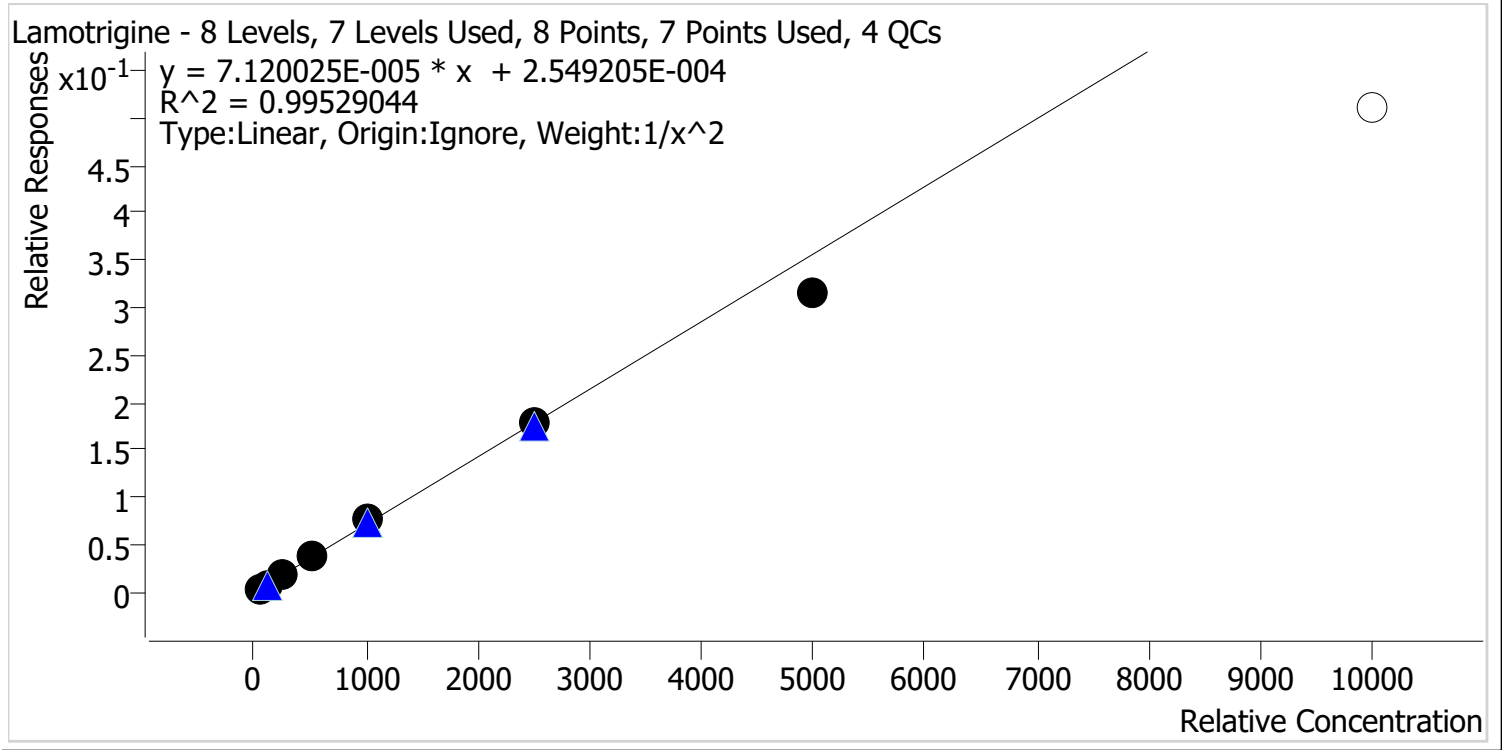


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.6
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	430.4	86.1
p1 Cal 8-1000ng	8	✗	1000.0	681.0	68.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3



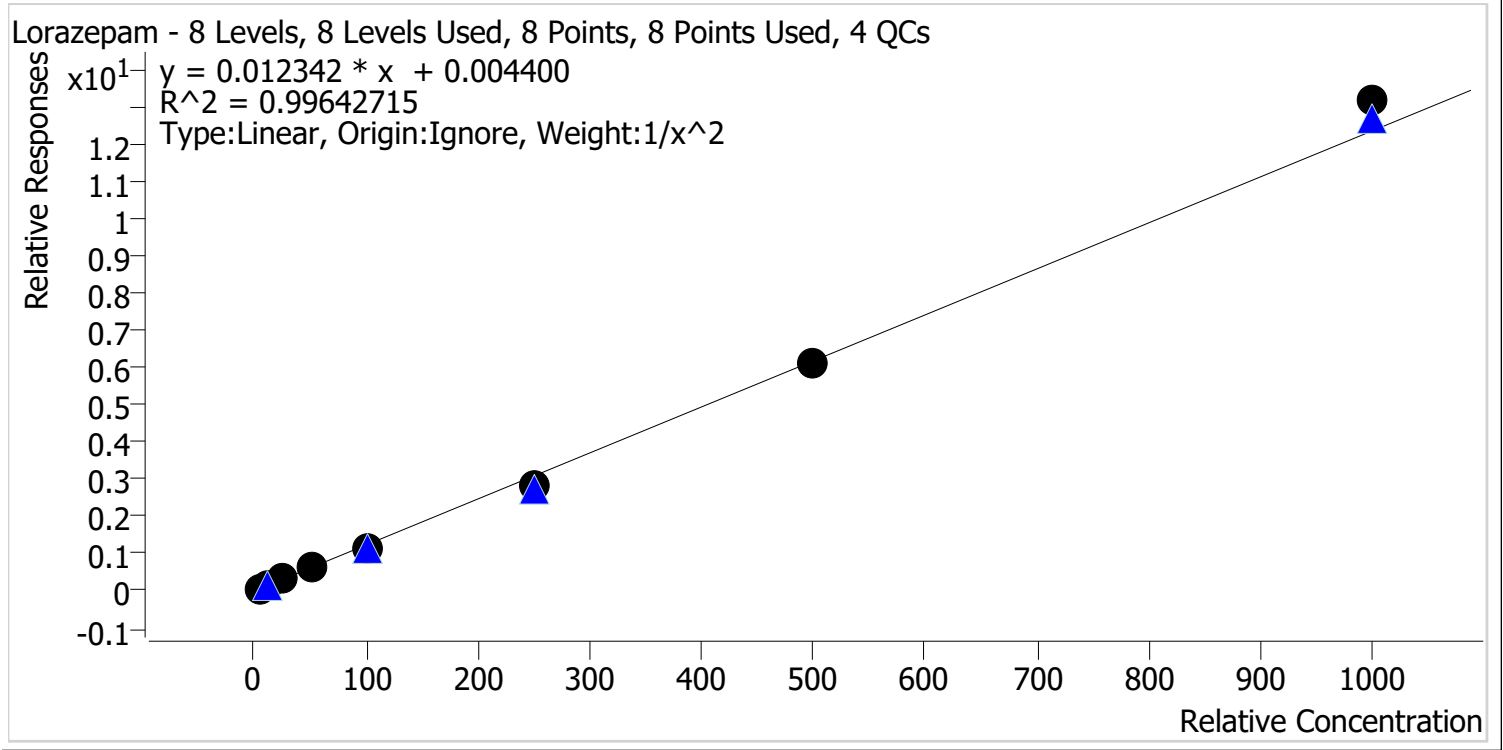
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	50.0	49.1	98.2
p1 Cal 2-10ng	2	✓	100.0	101.5	101.5
p1 Cal 3 -25ng	3	✓	250.0	254.5	101.8
p1 Cal 4-50ng	4	✓	500.0	523.8	104.8
p1 Cal 5-100ng	5	✓	1000.0	1055.0	105.5
p1 Cal 6-250ng	6	✓	2500.0	2501.5	100.1
p1 Cal 7-500ng	7	✓	5000.0	4405.6	88.1
p1 Cal 8-1000ng	8	✗	10000.0	7167.8	71.7





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5



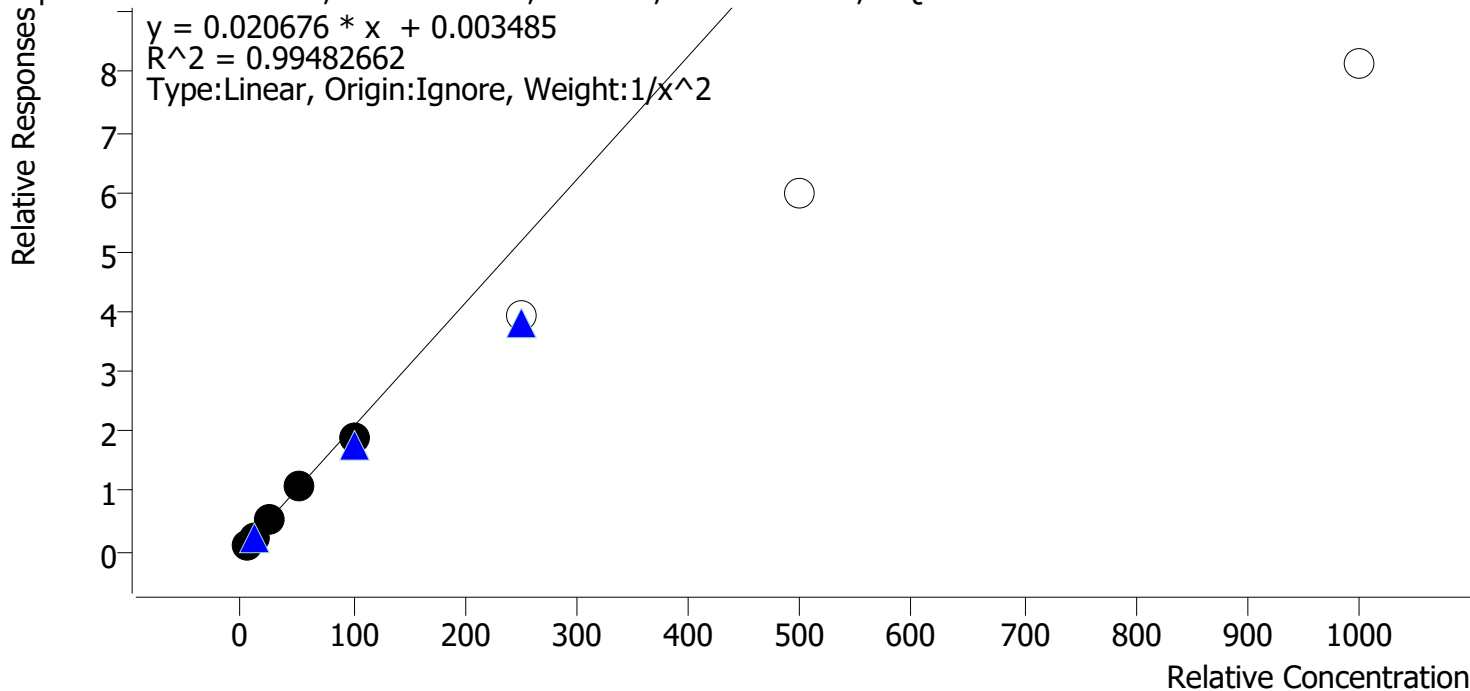
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	230.9	92.4
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	1065.9	106.6



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

Meprobamate - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

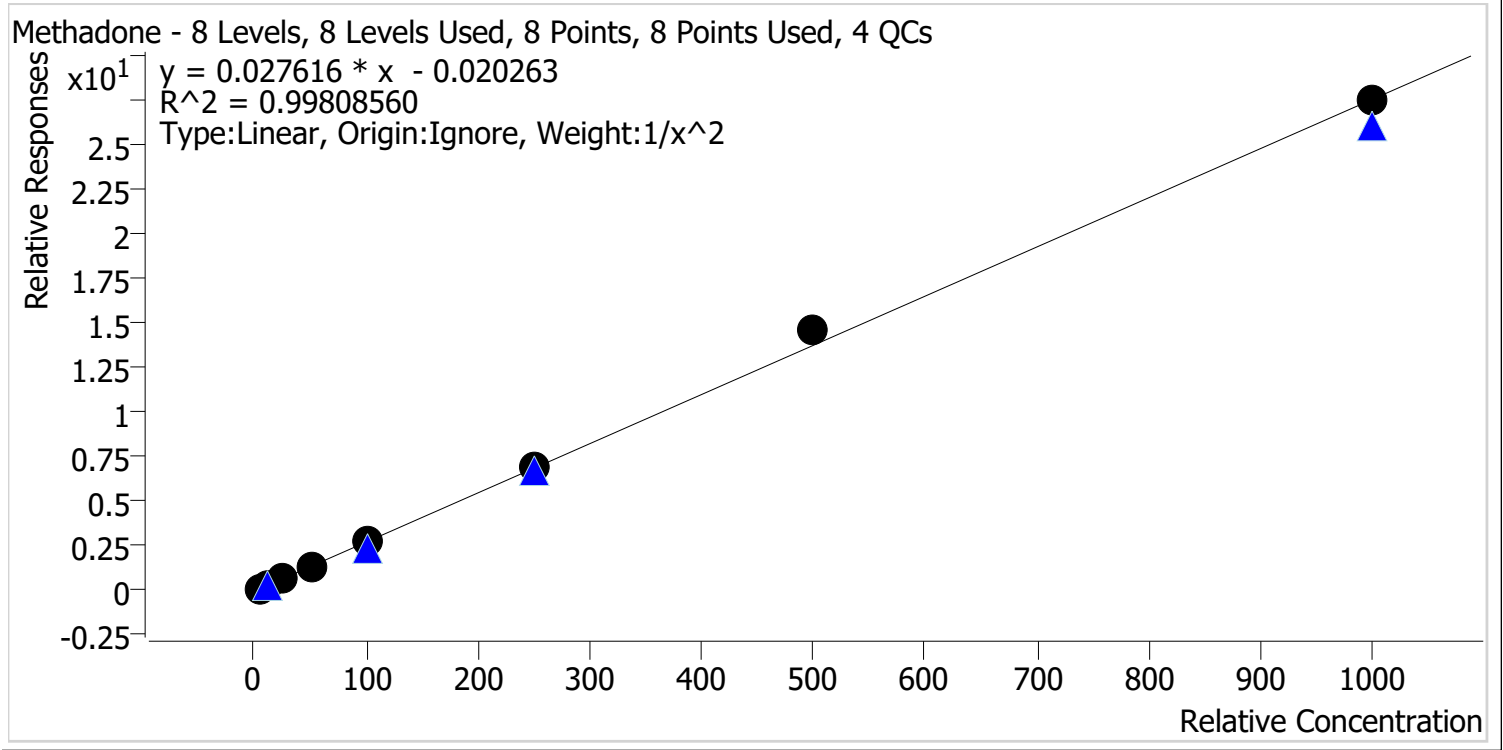


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	91.7	91.7
p1 Cal 6-250ng	6	✗	250.0	190.0	76.0
p1 Cal 7-500ng	7	✗	500.0	289.0	57.8
p1 Cal 8-1000ng	8	✗	1000.0	394.2	39.4



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

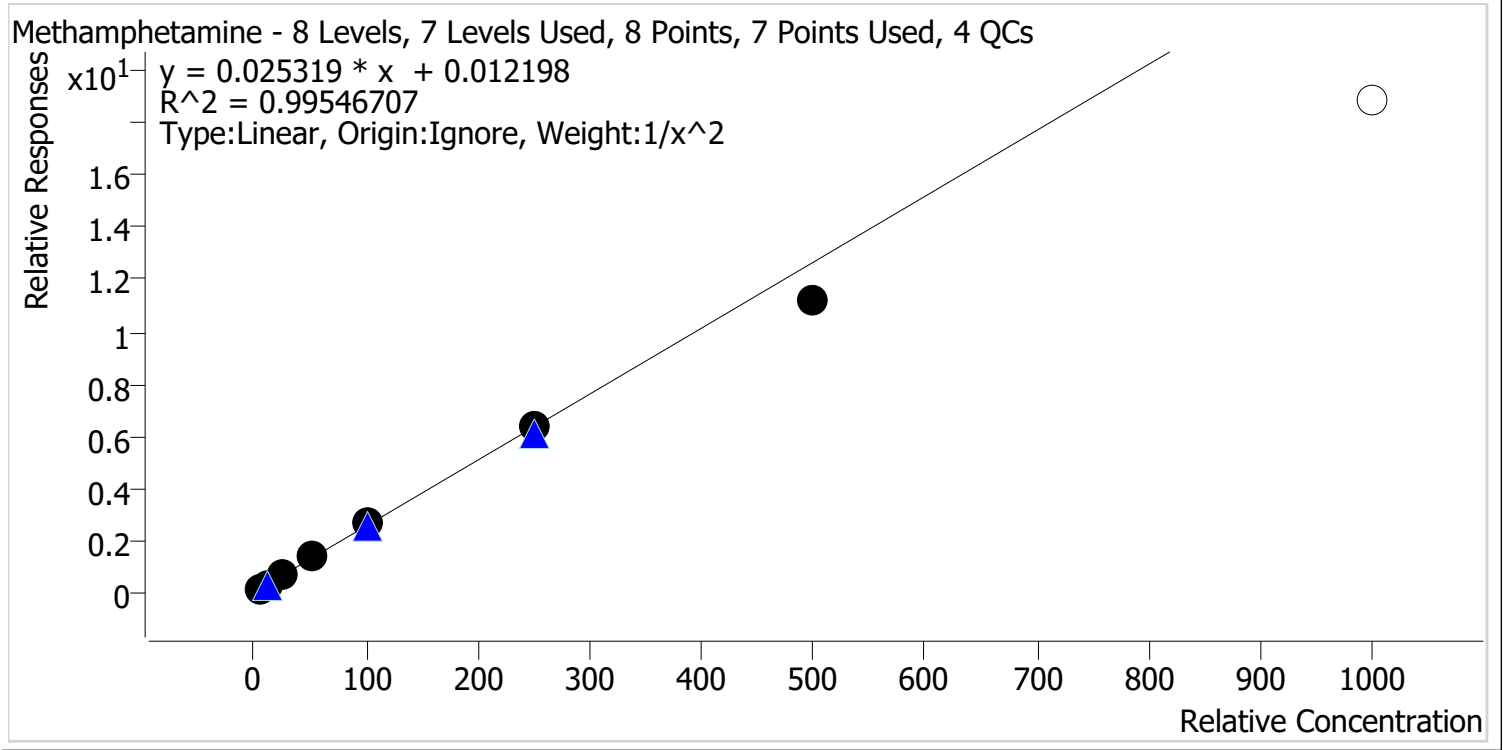


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	529.6	105.9
p1 Cal 8-1000ng	8	✓	1000.0	997.7	99.8



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



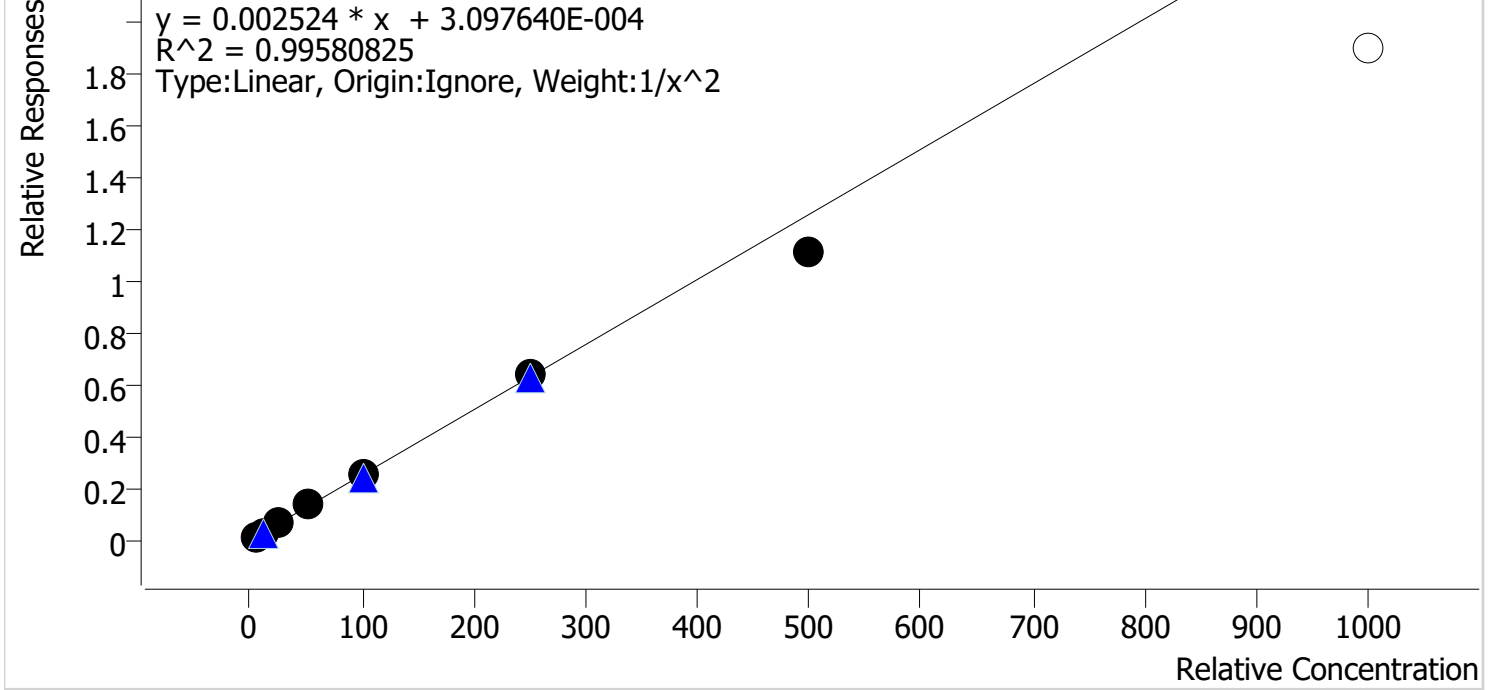
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	249.6	99.9
p1 Cal 7-500ng	7	✓	500.0	442.5	88.5
p1 Cal 8-1000ng	8	✗	1000.0	745.0	74.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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

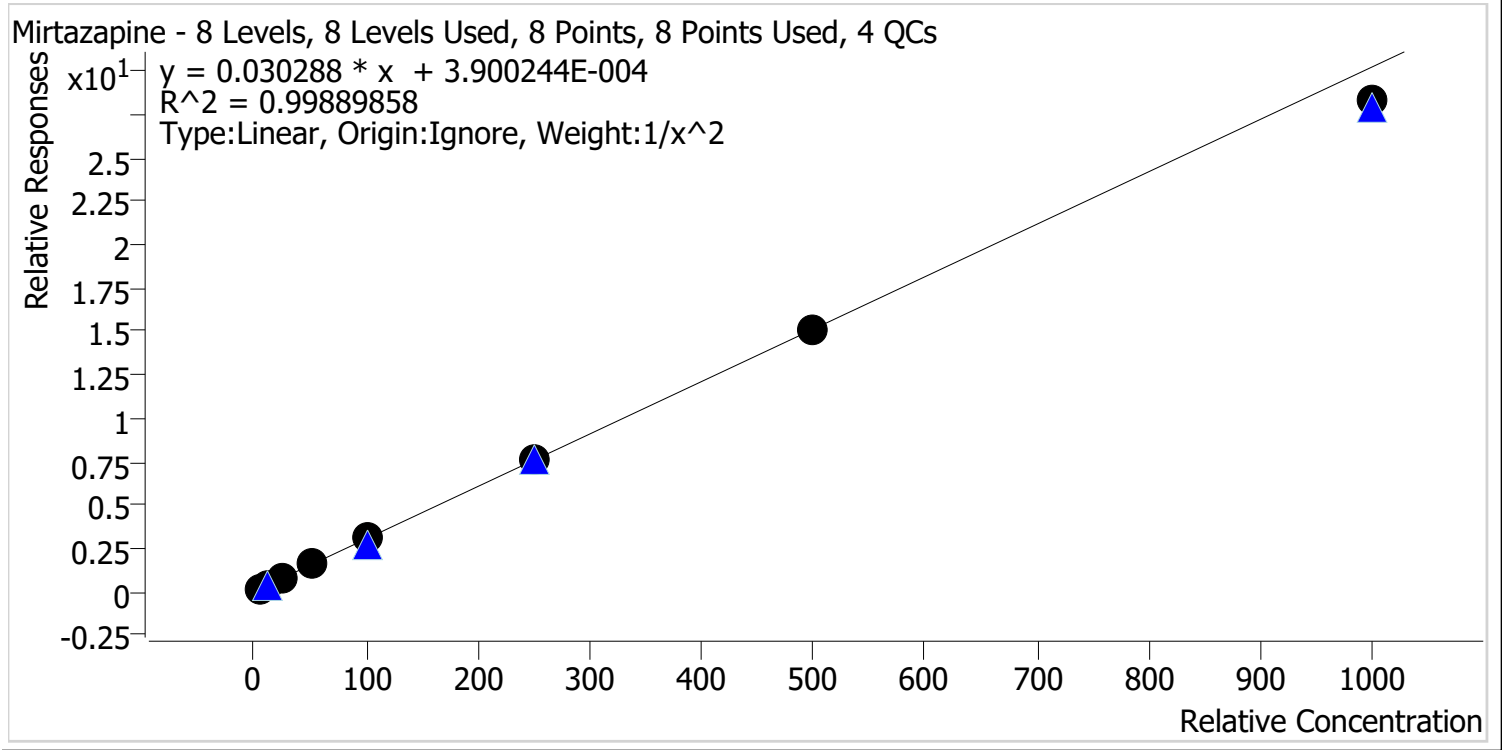


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	442.8	88.6
p1 Cal 8-1000ng	8	✗	1000.0	754.4	75.4



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8

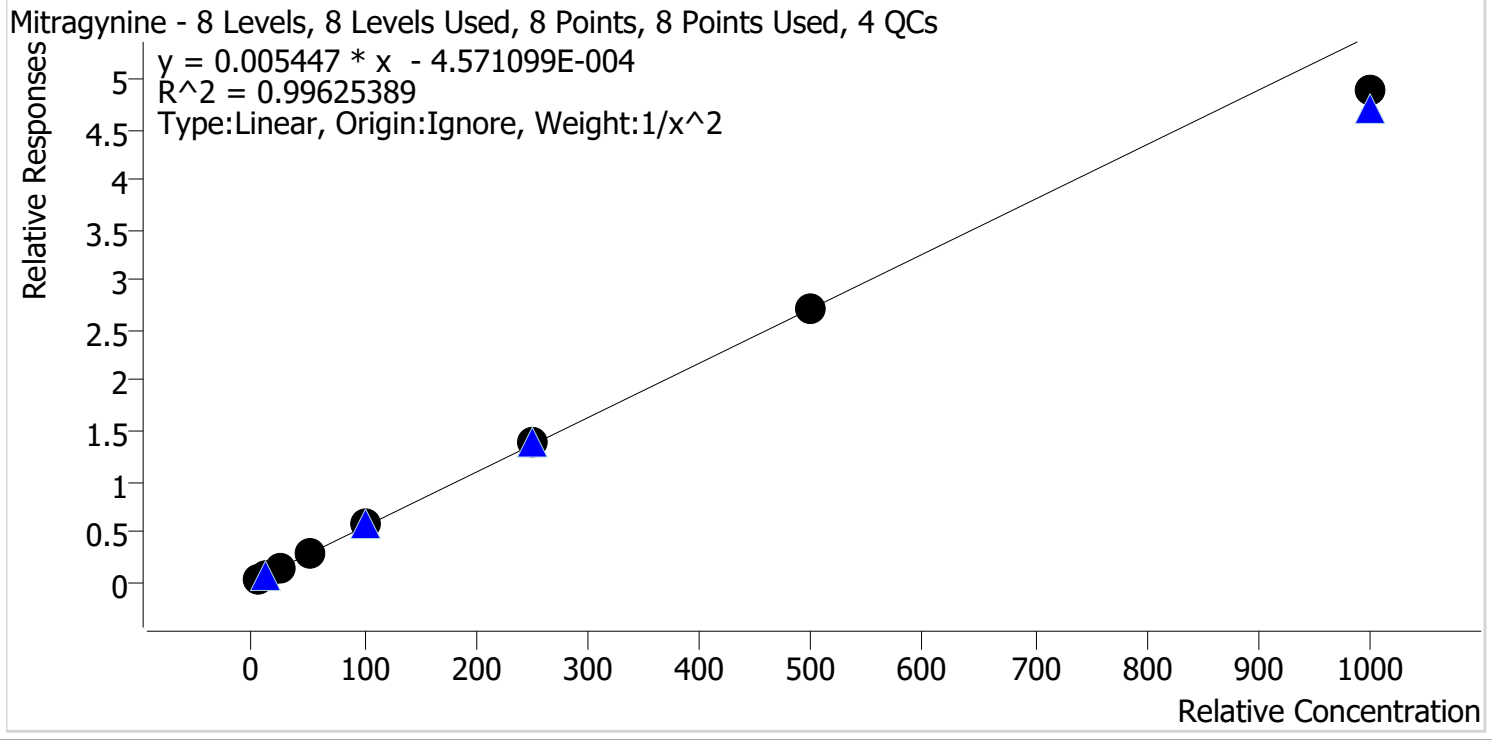


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	252.4	100.9
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	935.8	93.6



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

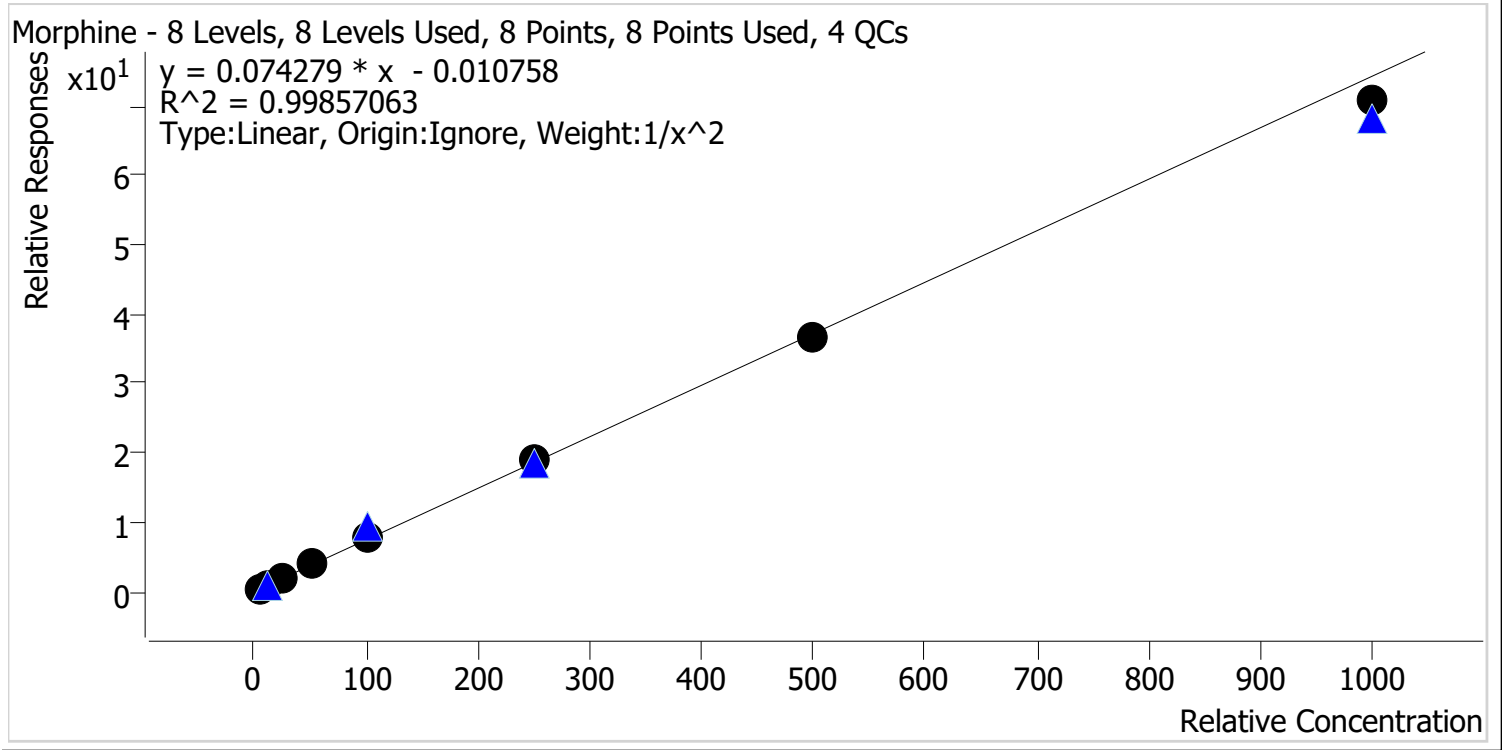


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	899.3	89.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



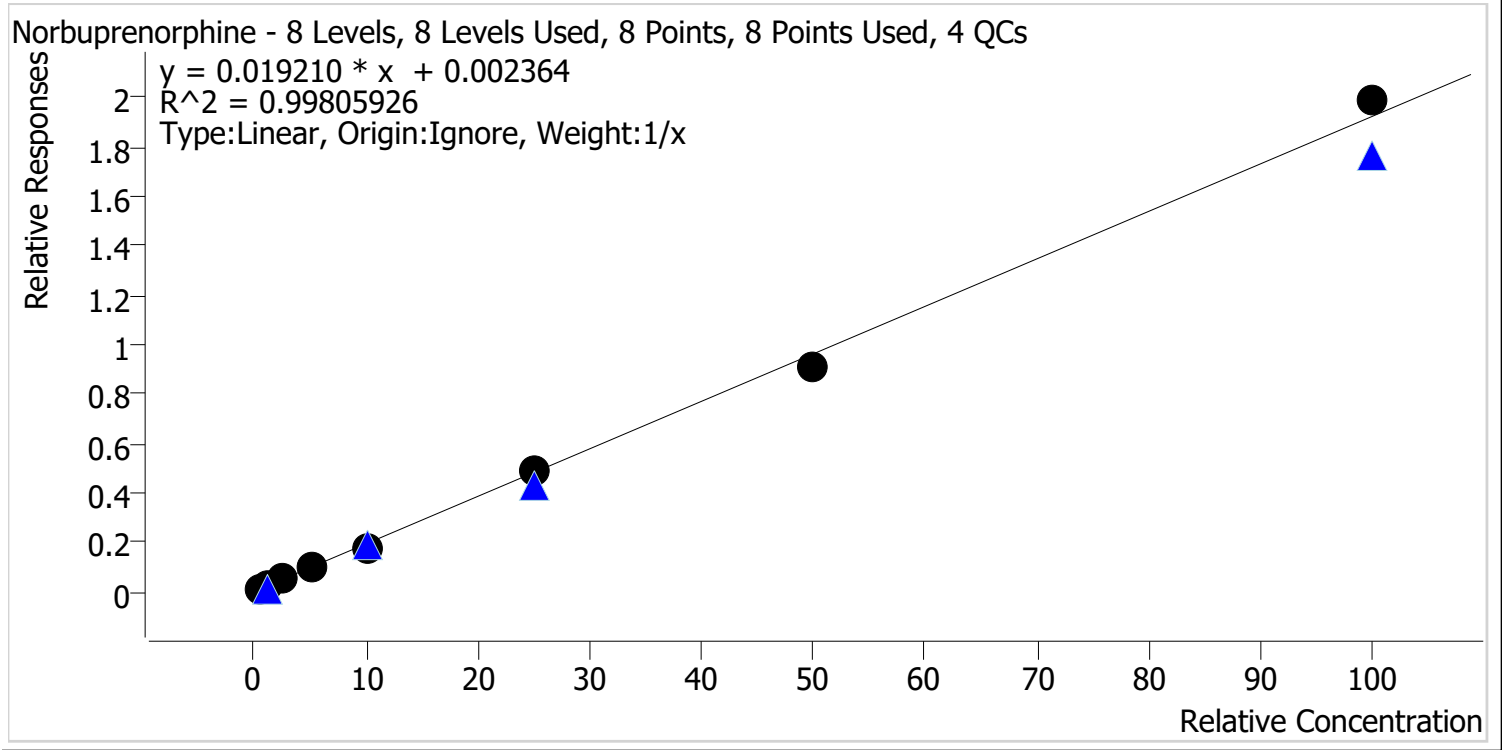
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	952.7	95.3





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

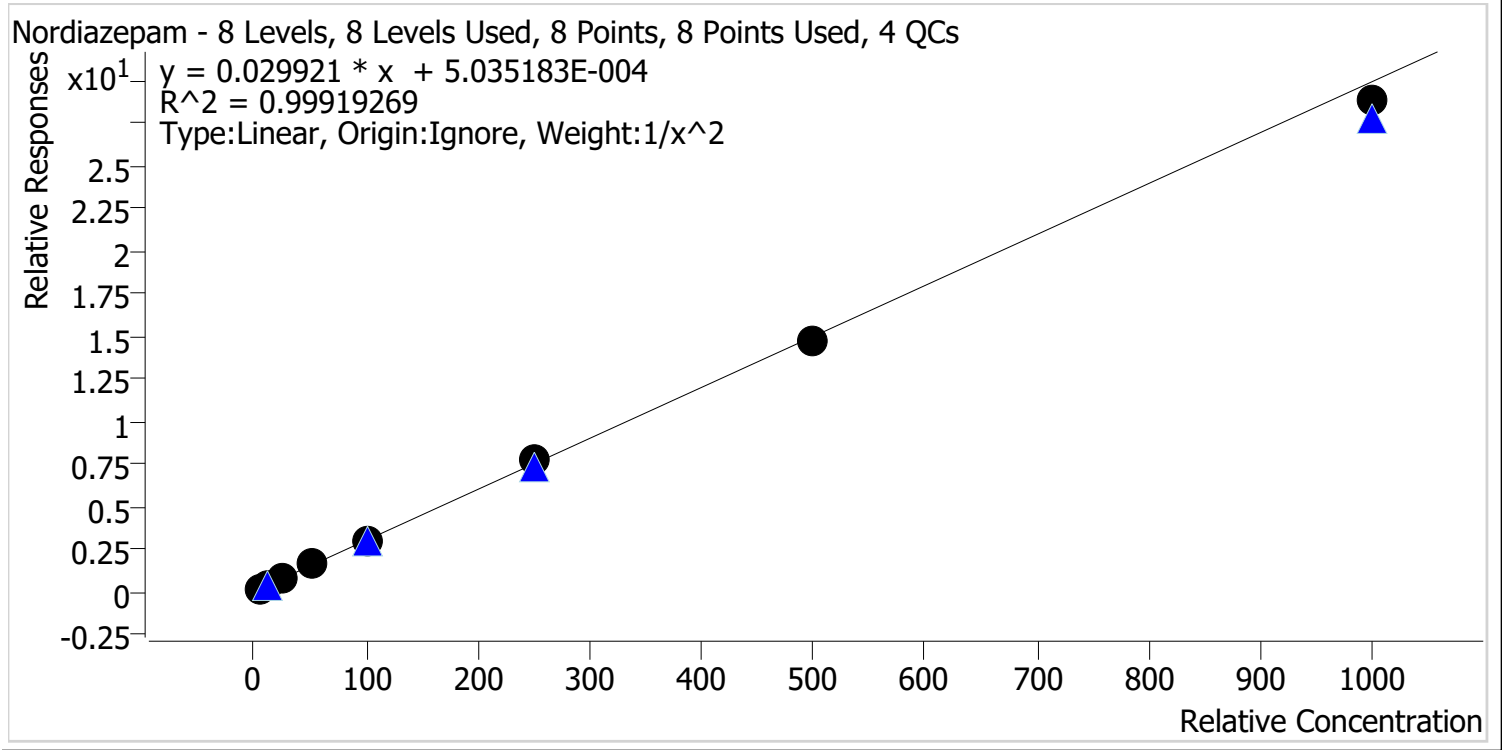


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	107.4
p1 Cal 2-10ng	2	✓	1.0	1.1	106.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	5.0	99.7
p1 Cal 5-100ng	5	✓	10.0	9.2	92.2
p1 Cal 6-250ng	6	✓	25.0	25.3	101.1
p1 Cal 7-500ng	7	✓	50.0	47.2	94.4
p1 Cal 8-1000ng	8	✓	100.0	103.3	103.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

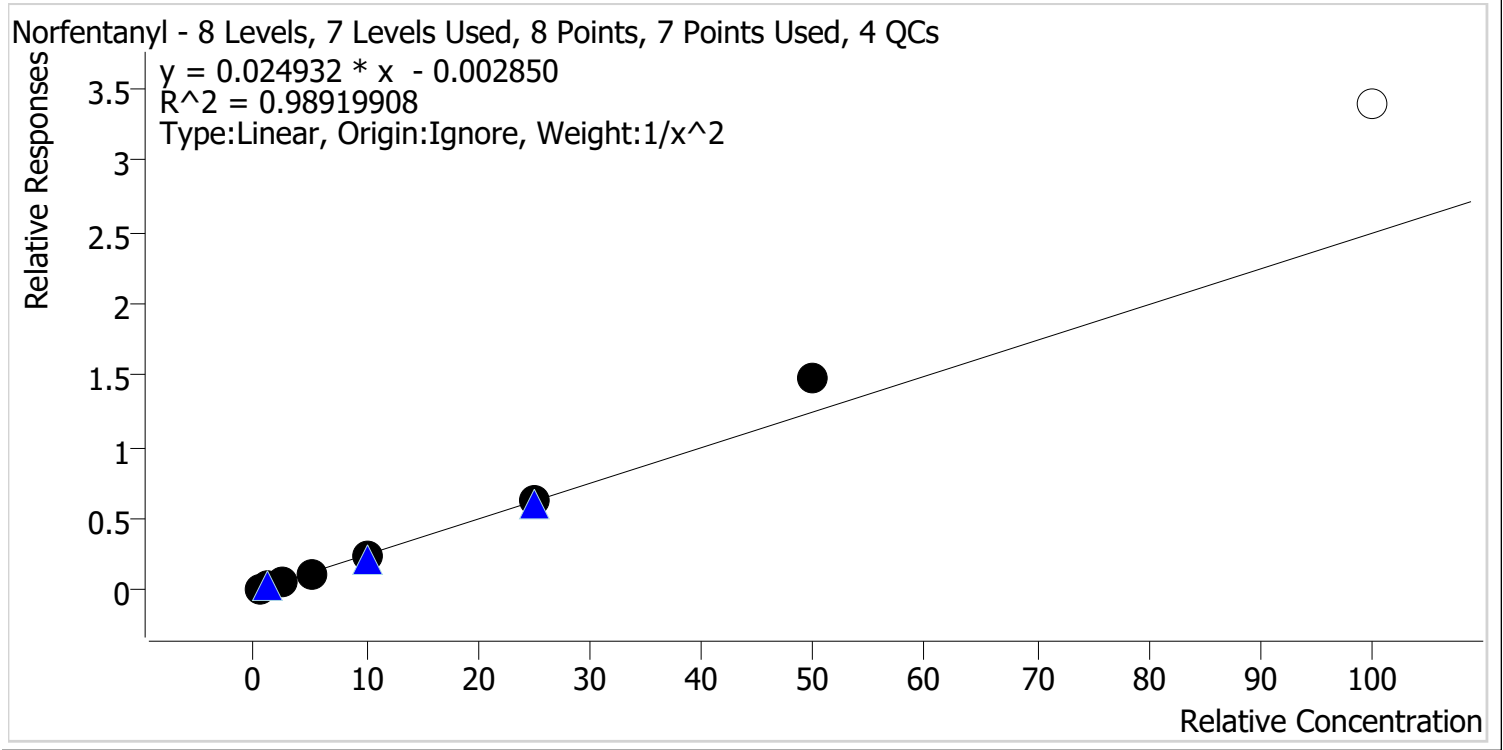


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	488.2	97.6
p1 Cal 8-1000ng	8	✓	1000.0	962.8	96.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

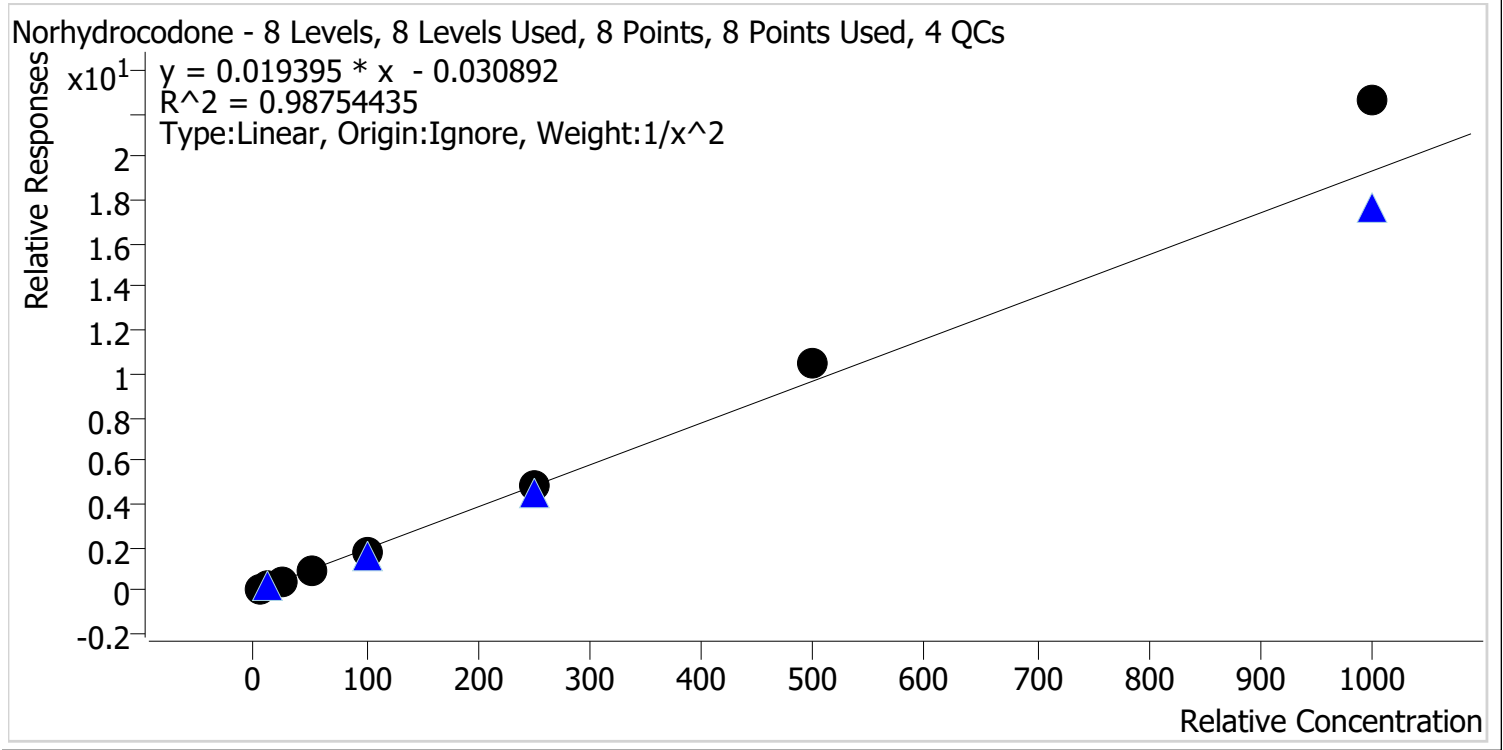


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.4
p1 Cal 2-10ng	2	✓	1.0	1.0	95.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.2
p1 Cal 4-50ng	4	✓	5.0	4.8	96.1
p1 Cal 5-100ng	5	✓	10.0	9.5	94.8
p1 Cal 6-250ng	6	✓	25.0	24.8	99.1
p1 Cal 7-500ng	7	✓	50.0	59.0	118.0
p1 Cal 8-1000ng	8	✗	100.0	135.7	135.7



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



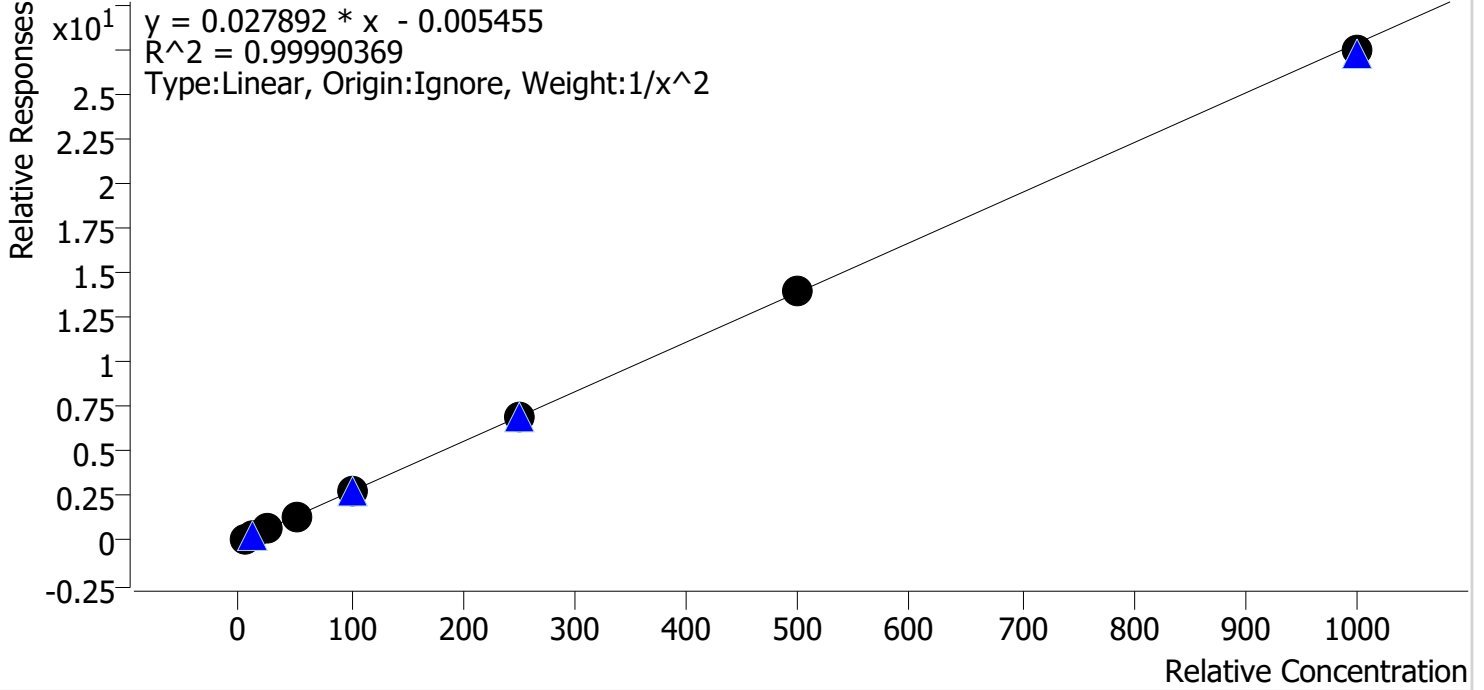
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.2
p1 Cal 2-10ng	2	✓	10.0	9.5	94.5
p1 Cal 3 -25ng	3	✓	25.0	21.9	87.5
p1 Cal 4-50ng	4	✓	50.0	45.9	91.8
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	538.0	107.6
p1 Cal 8-1000ng	8	✓	1000.0	1167.5	116.7



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

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

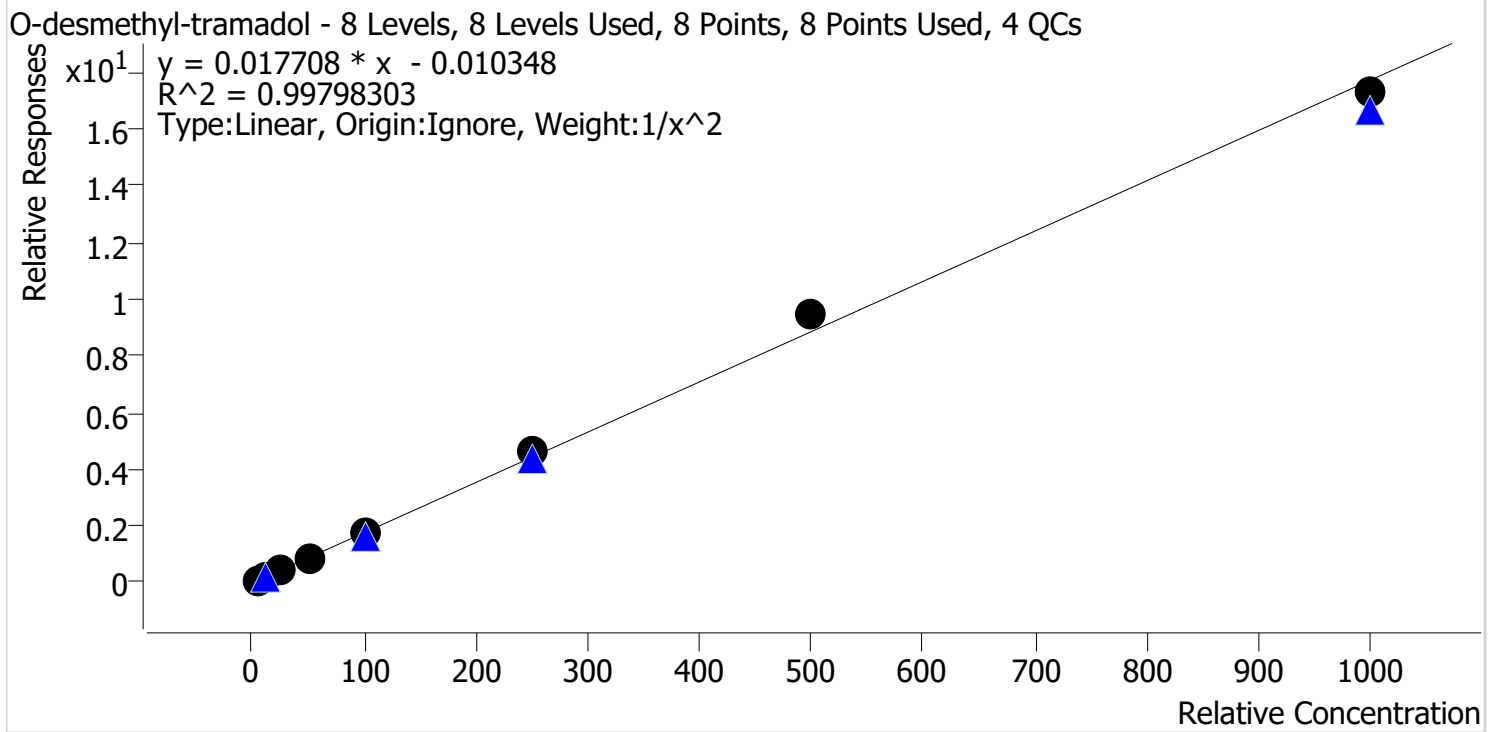


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	985.3	98.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

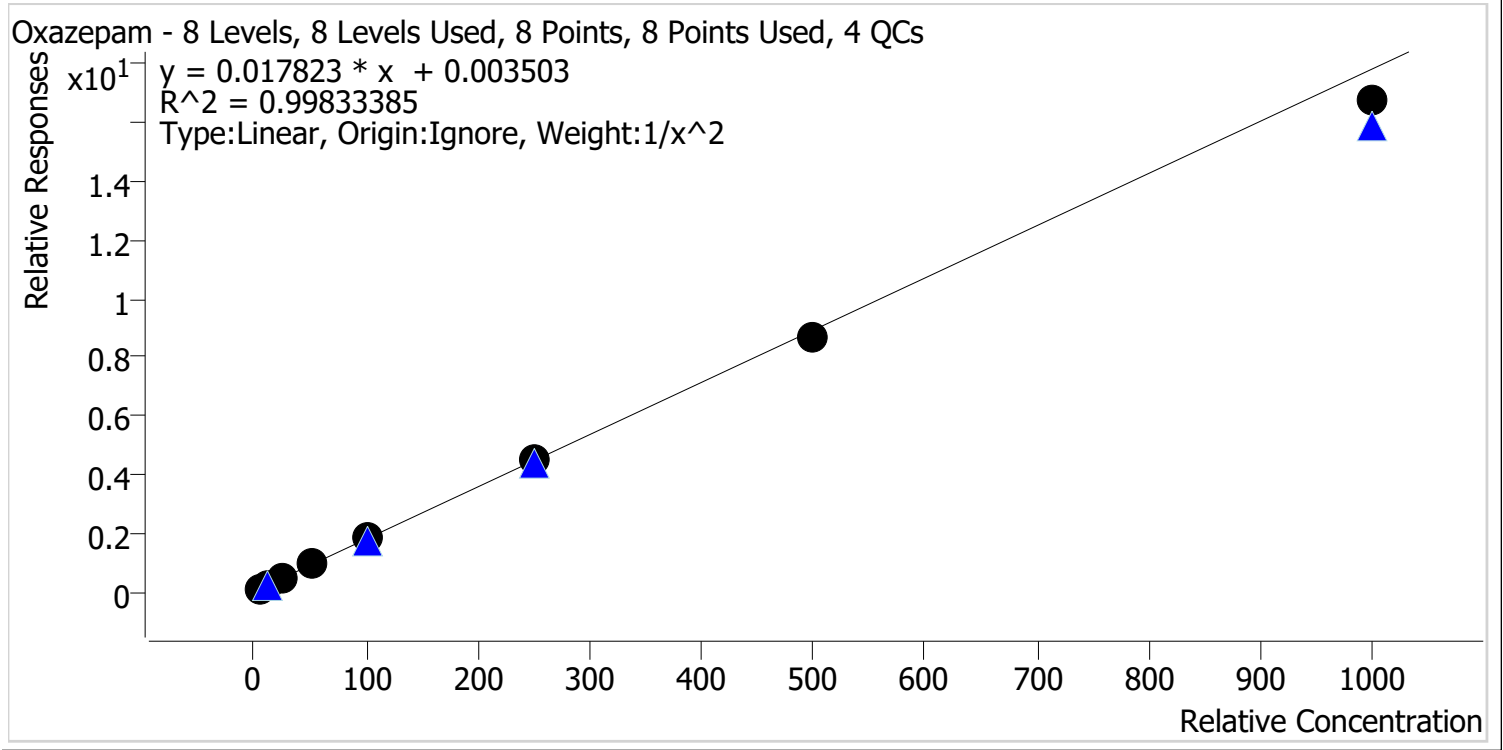


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	260.2	104.1
p1 Cal 7-500ng	7	✓	500.0	533.1	106.6
p1 Cal 8-1000ng	8	✓	1000.0	976.2	97.6



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

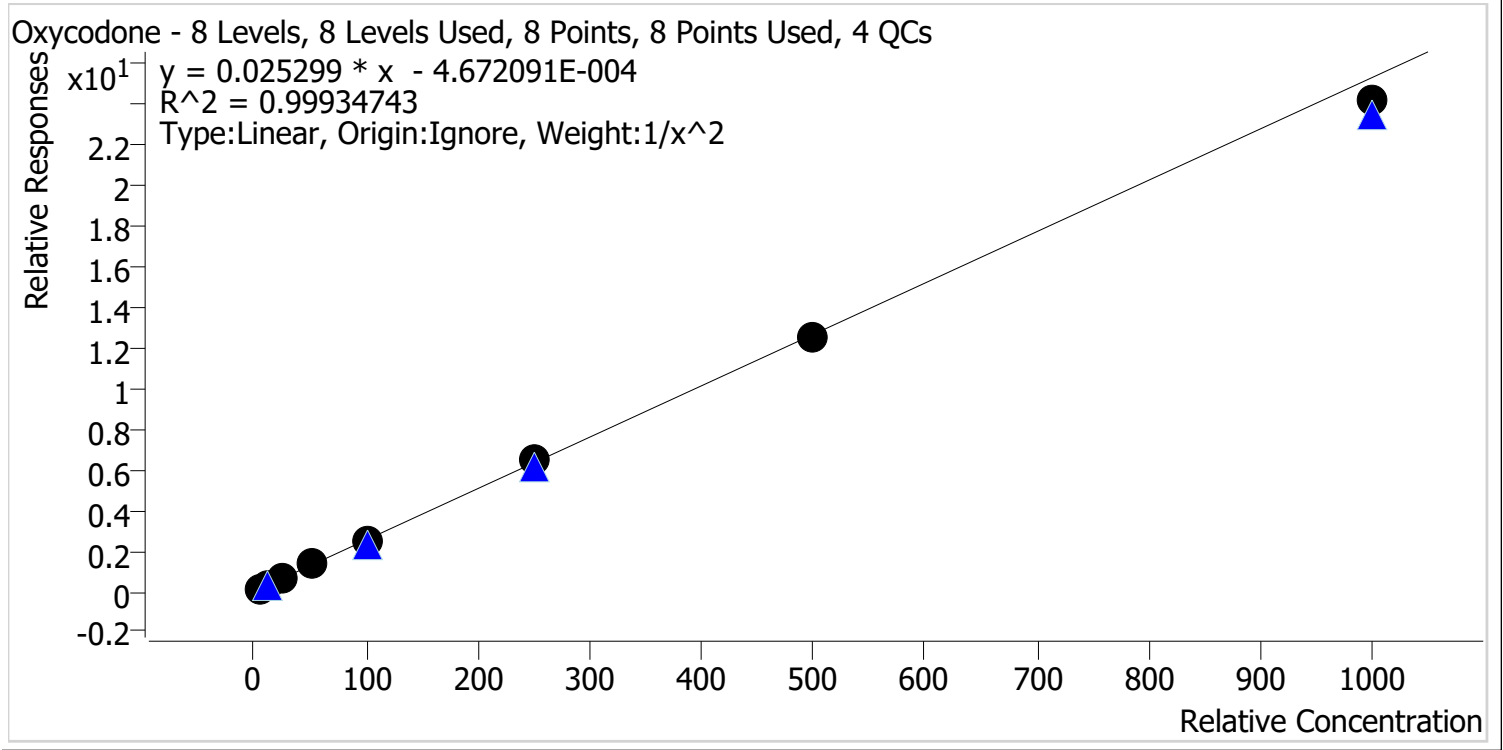


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	484.4	96.9
p1 Cal 8-1000ng	8	✓	1000.0	939.5	94.0



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



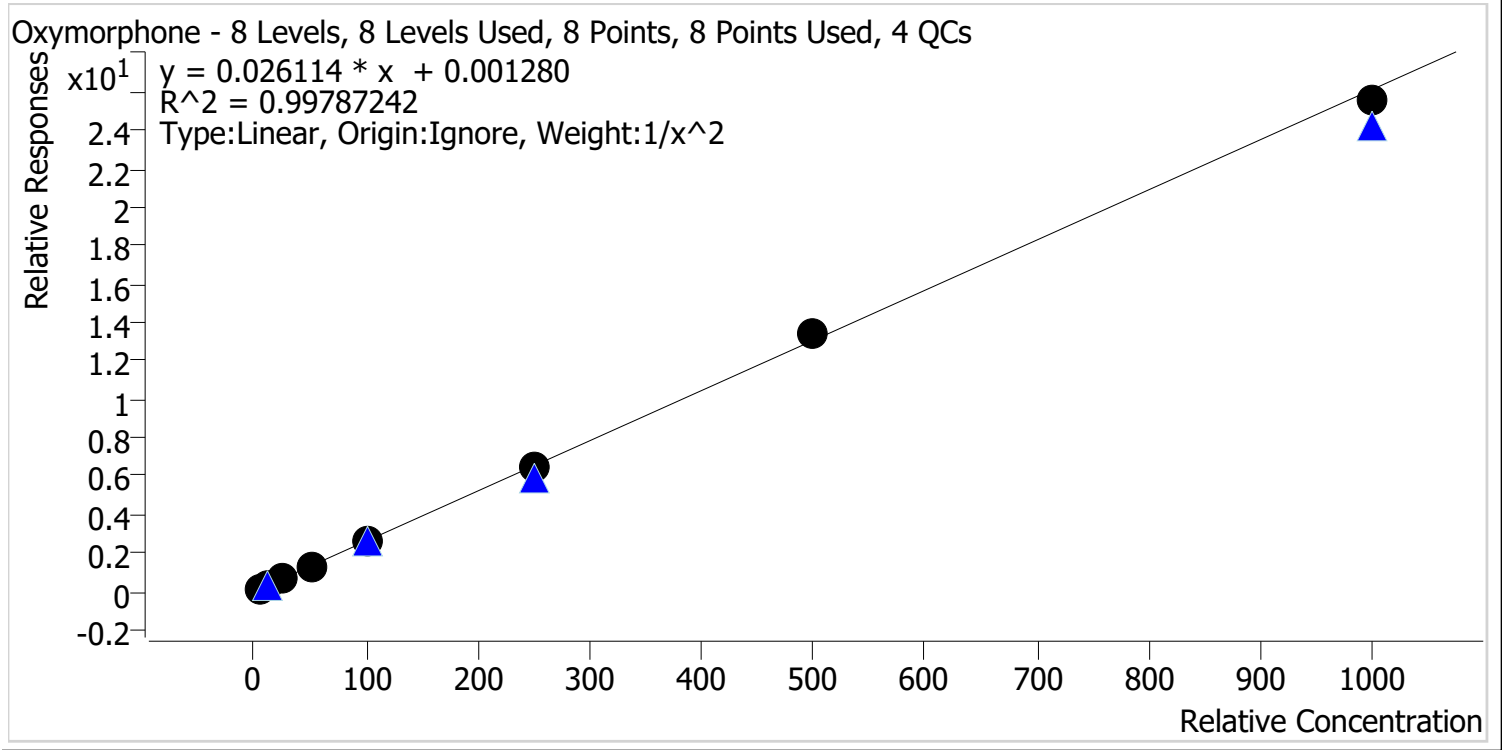
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	494.2	98.8
p1 Cal 8-1000ng	8	✓	1000.0	955.1	95.5





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

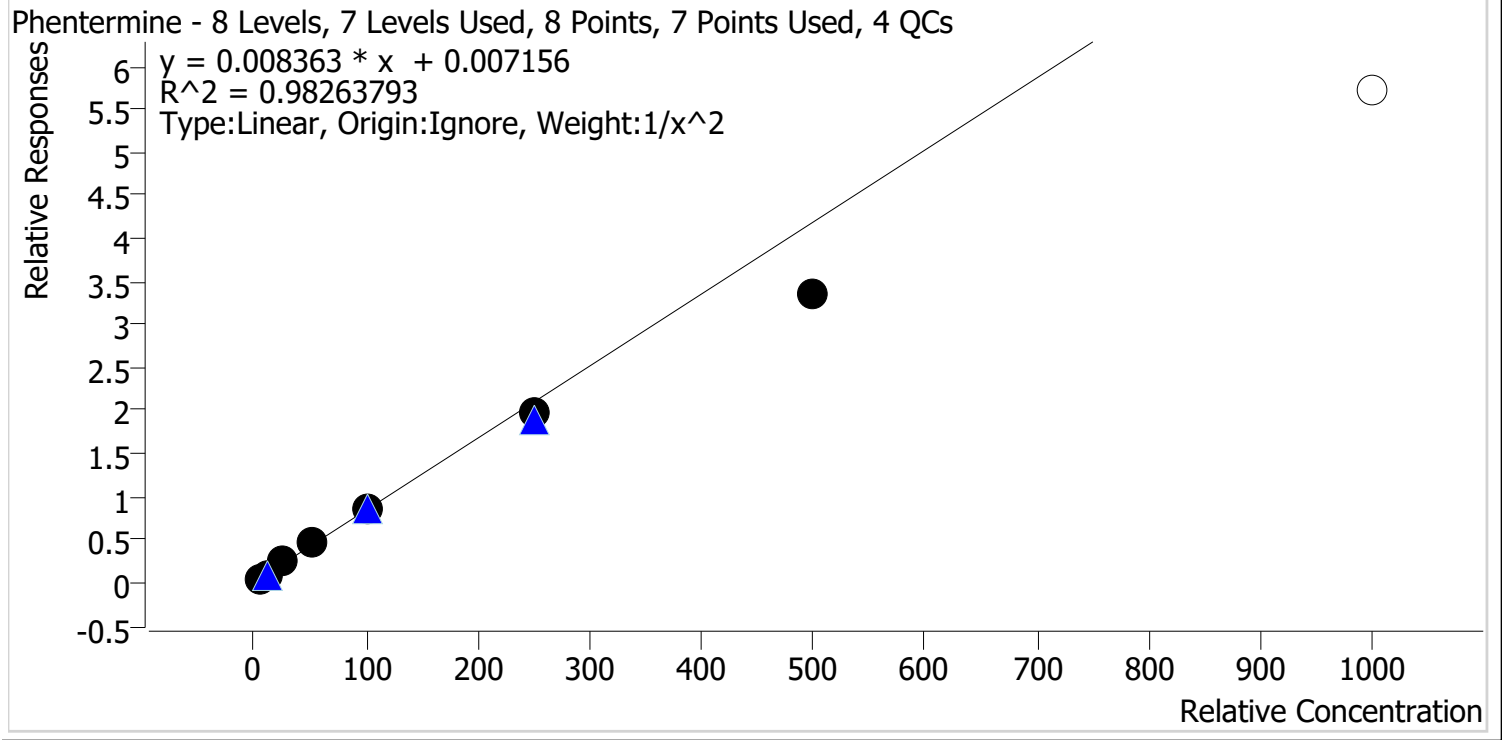


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.4	94.1
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.6
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	512.0	102.4
p1 Cal 8-1000ng	8	✓	1000.0	977.9	97.8



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

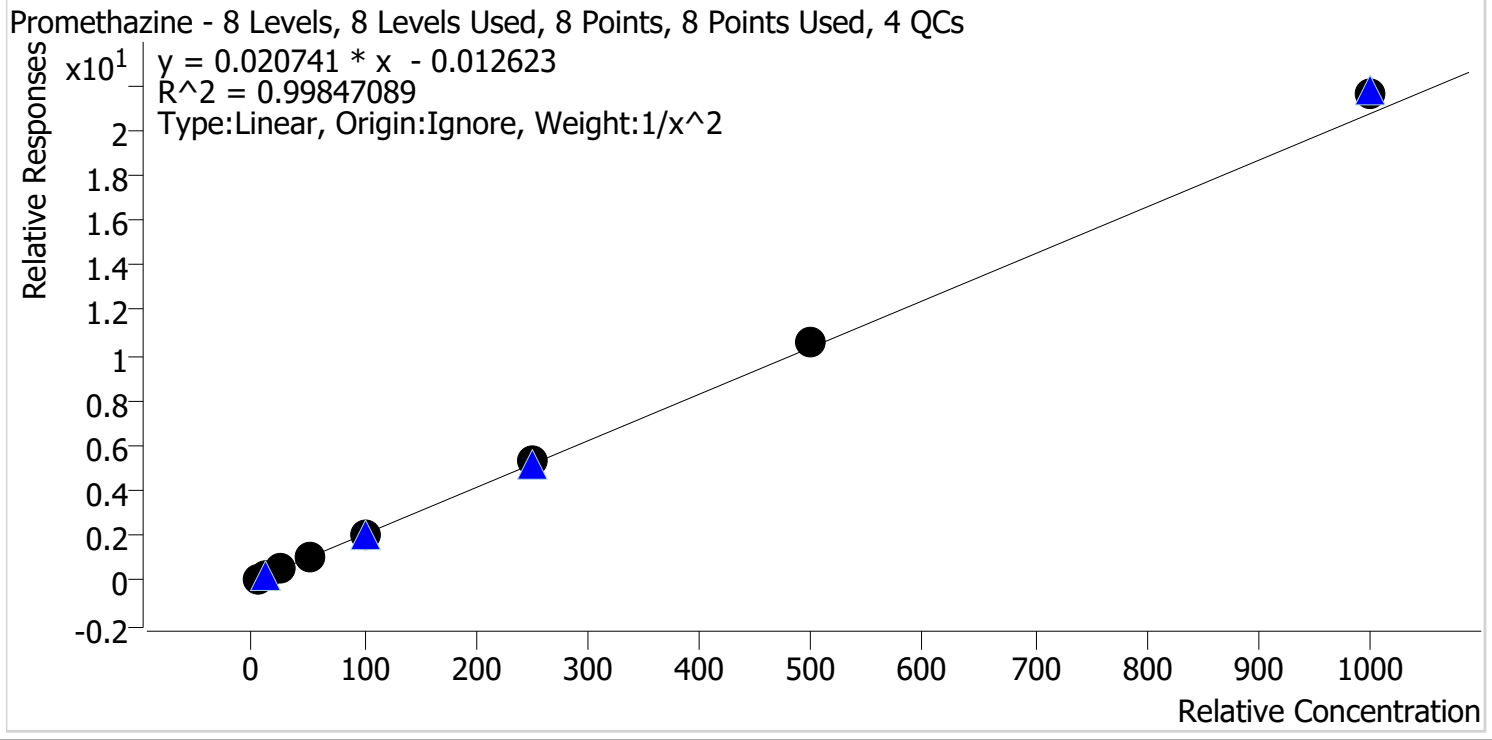


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	28.3	113.2
p1 Cal 4-50ng	4	✓	50.0	55.0	110.1
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	237.6	95.0
p1 Cal 7-500ng	7	✓	500.0	401.0	80.2
p1 Cal 8-1000ng	8	✗	1000.0	682.4	68.2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

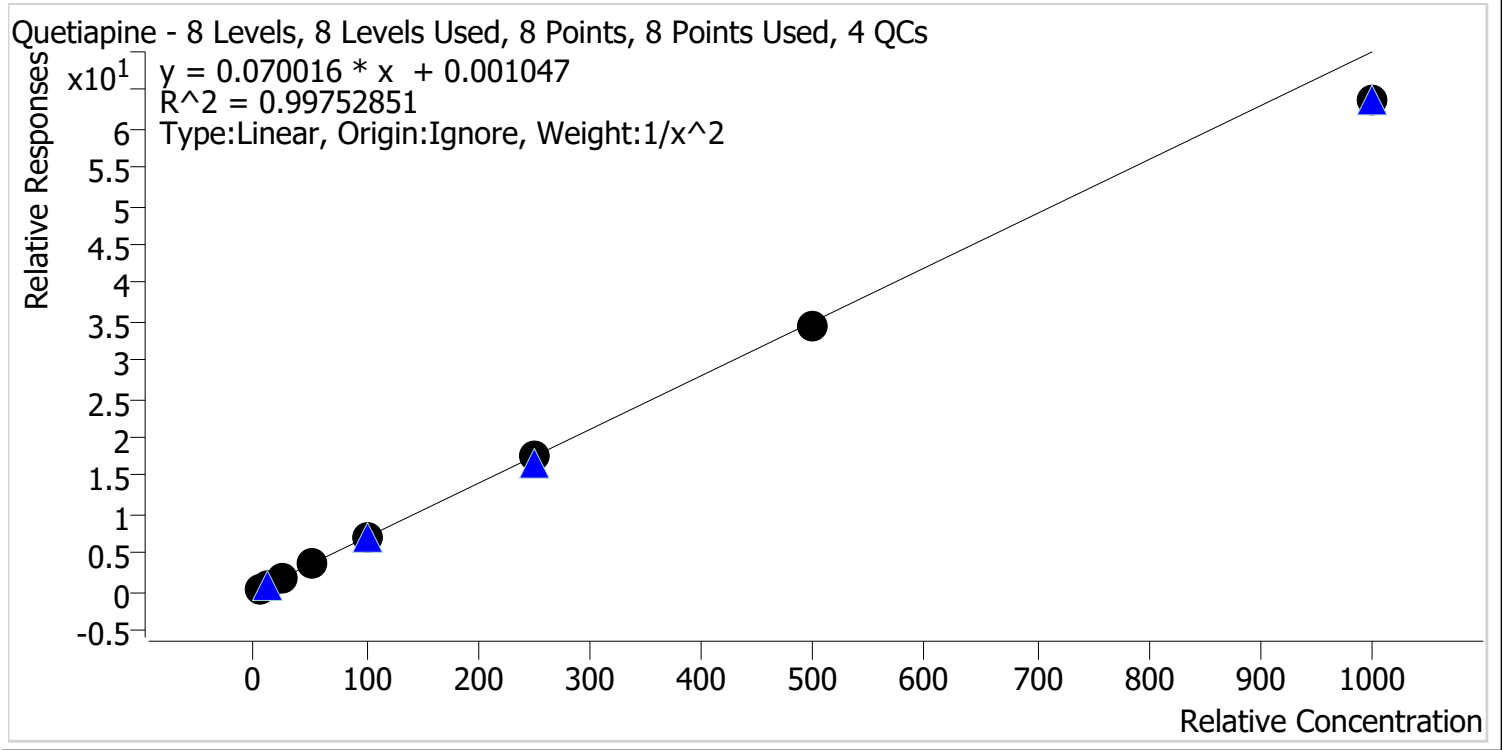


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	513.8	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1039.0	103.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

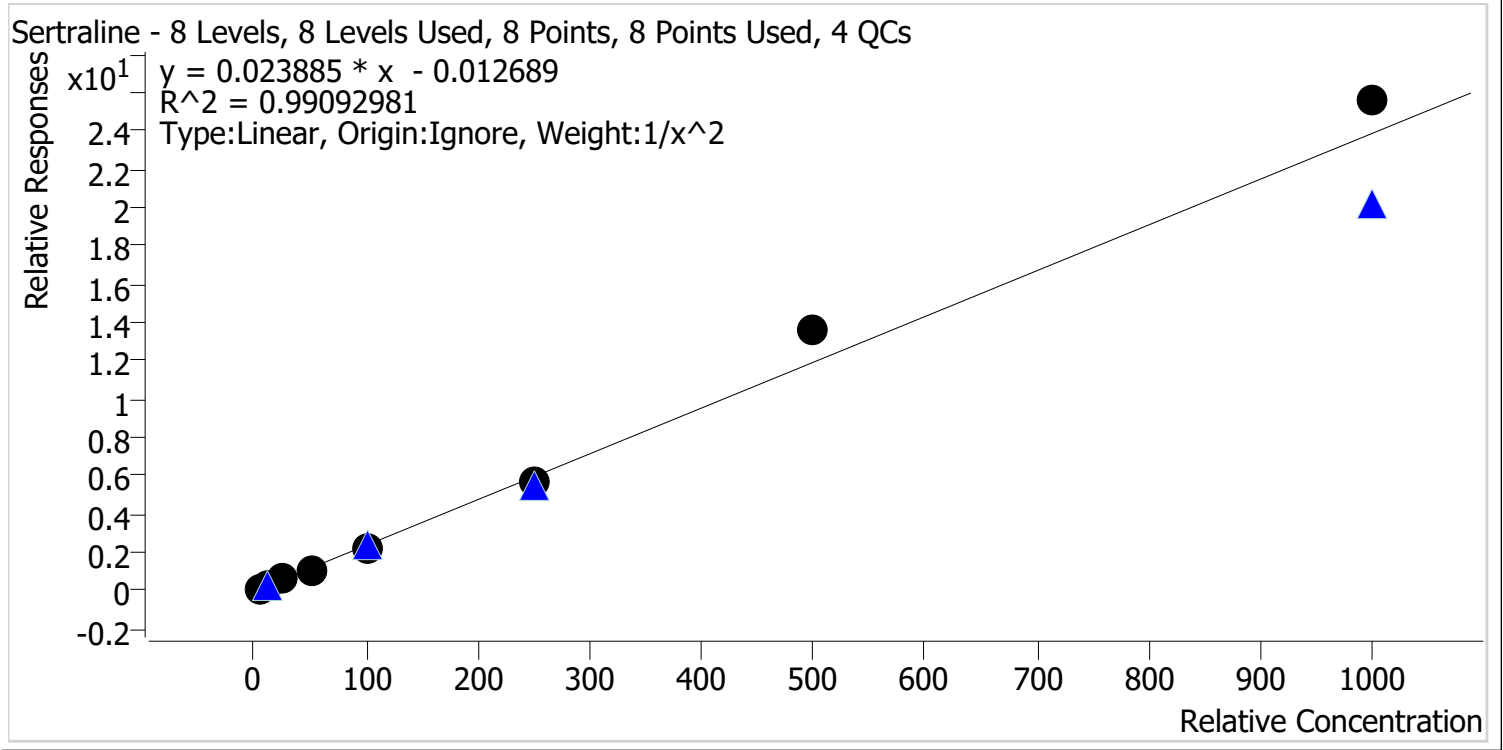


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	491.6	98.3
p1 Cal 8-1000ng	8	✓	1000.0	909.7	91.0



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

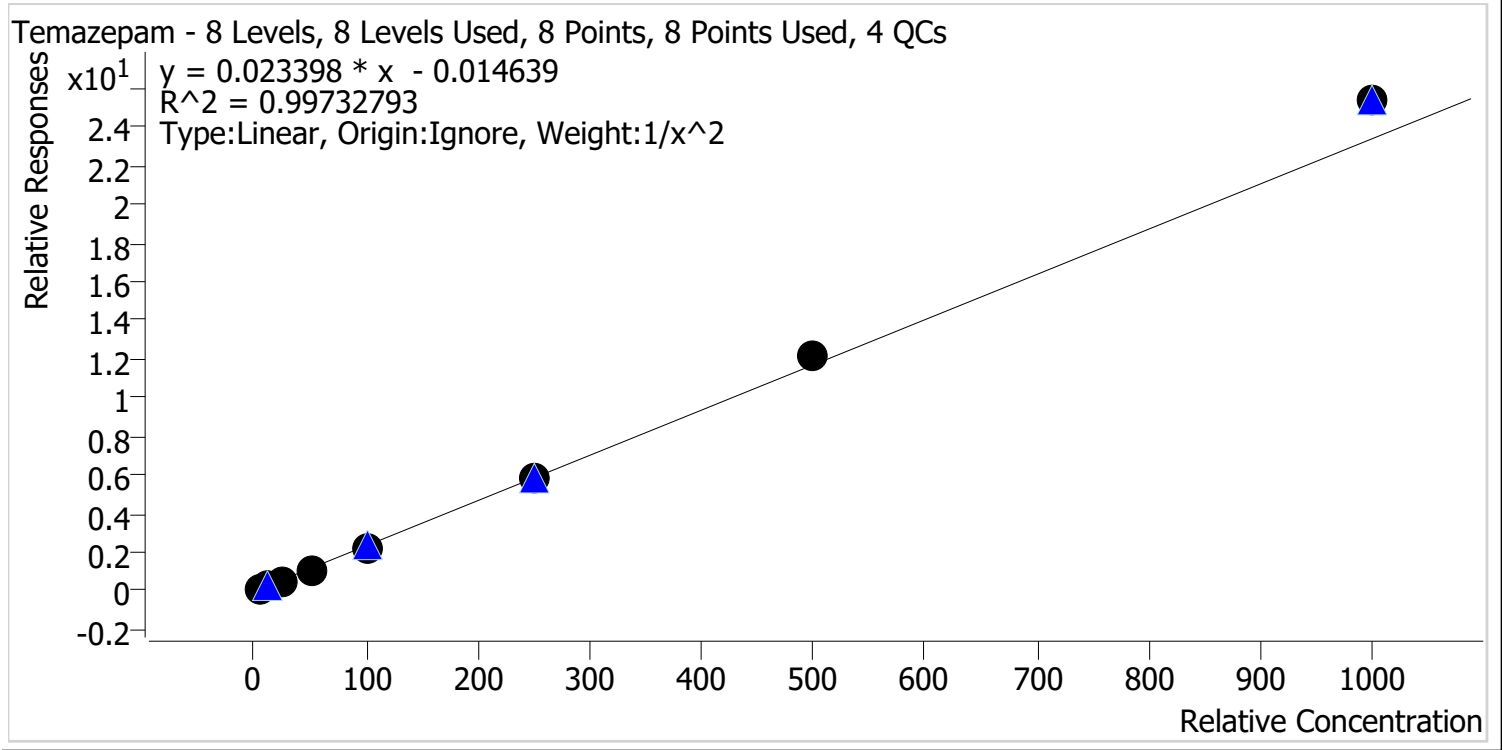


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.8
p1 Cal 2-10ng	2	✓	10.0	9.1	91.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	93.8	93.8
p1 Cal 6-250ng	6	✓	250.0	237.9	95.2
p1 Cal 7-500ng	7	✓	500.0	574.4	114.9
p1 Cal 8-1000ng	8	✓	1000.0	1071.7	107.2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

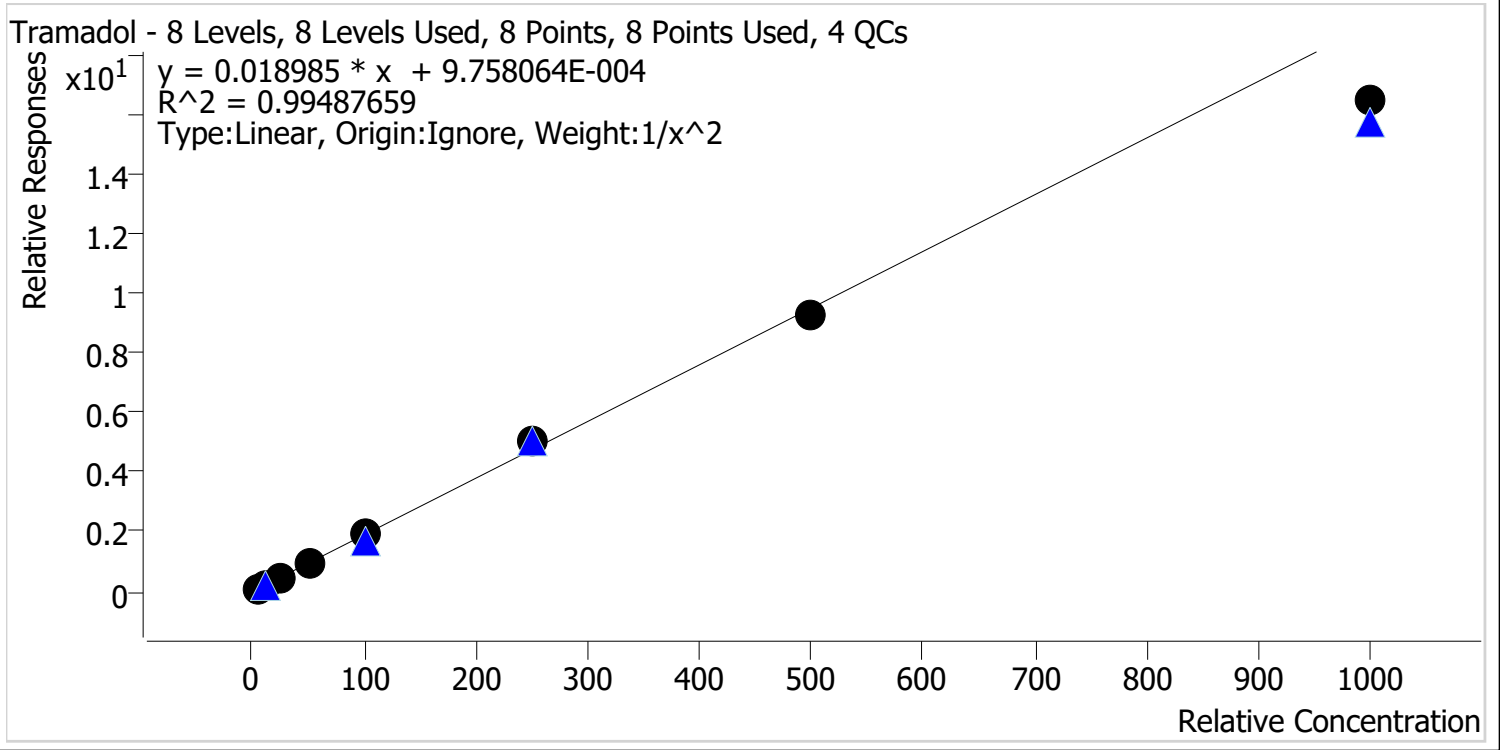


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	518.2	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1084.3	108.4



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

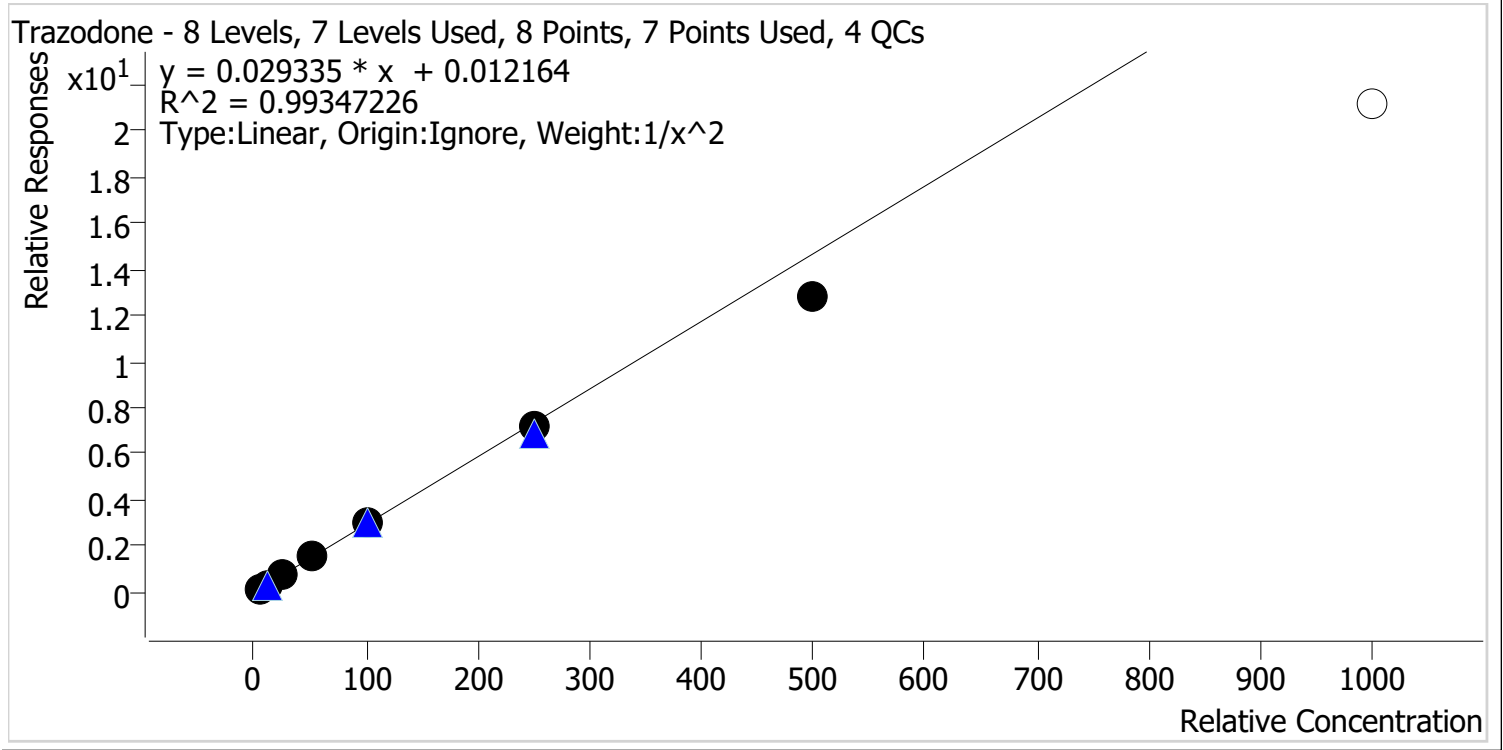


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	268.5	107.4
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	866.0	86.6



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



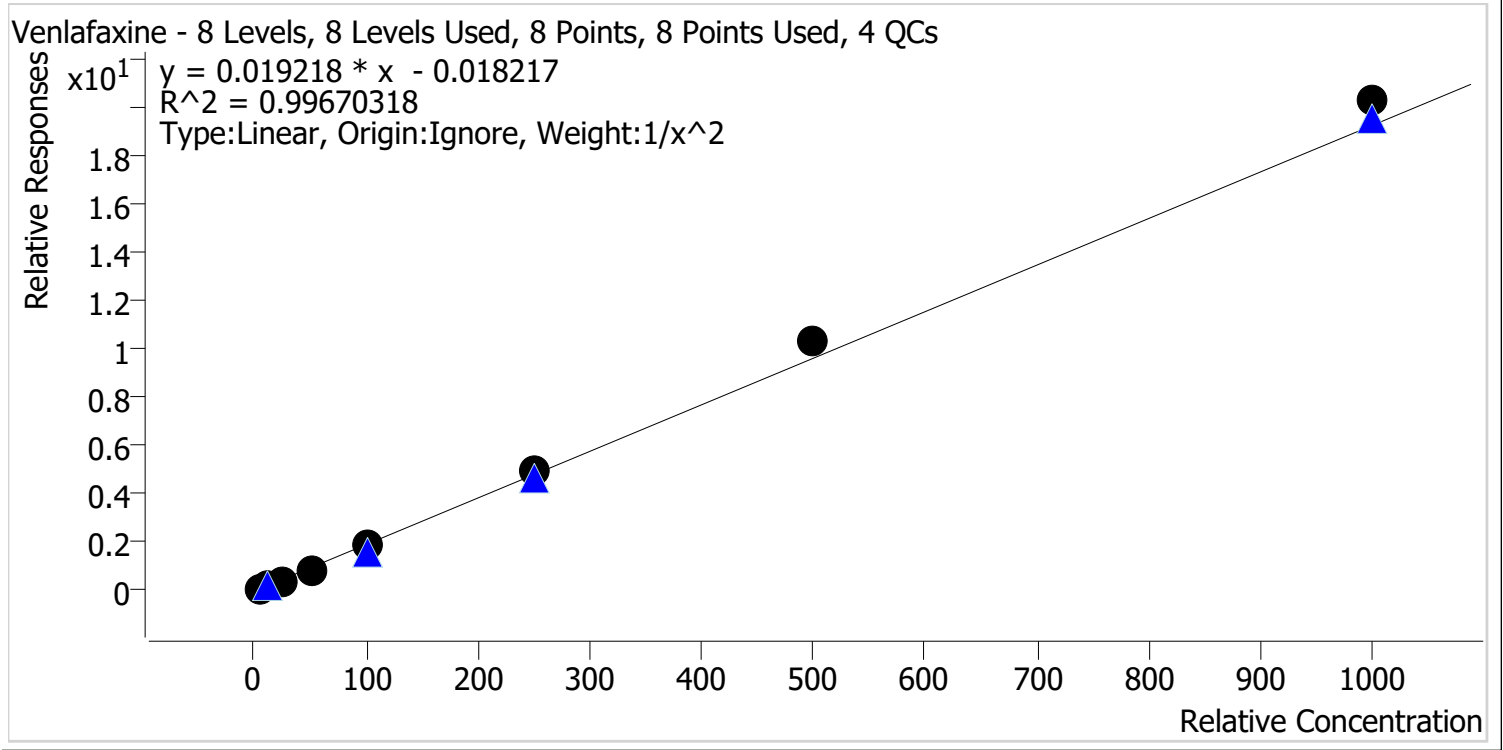
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	434.7	86.9
p1 Cal 8-1000ng	8	✗	1000.0	719.2	71.9





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

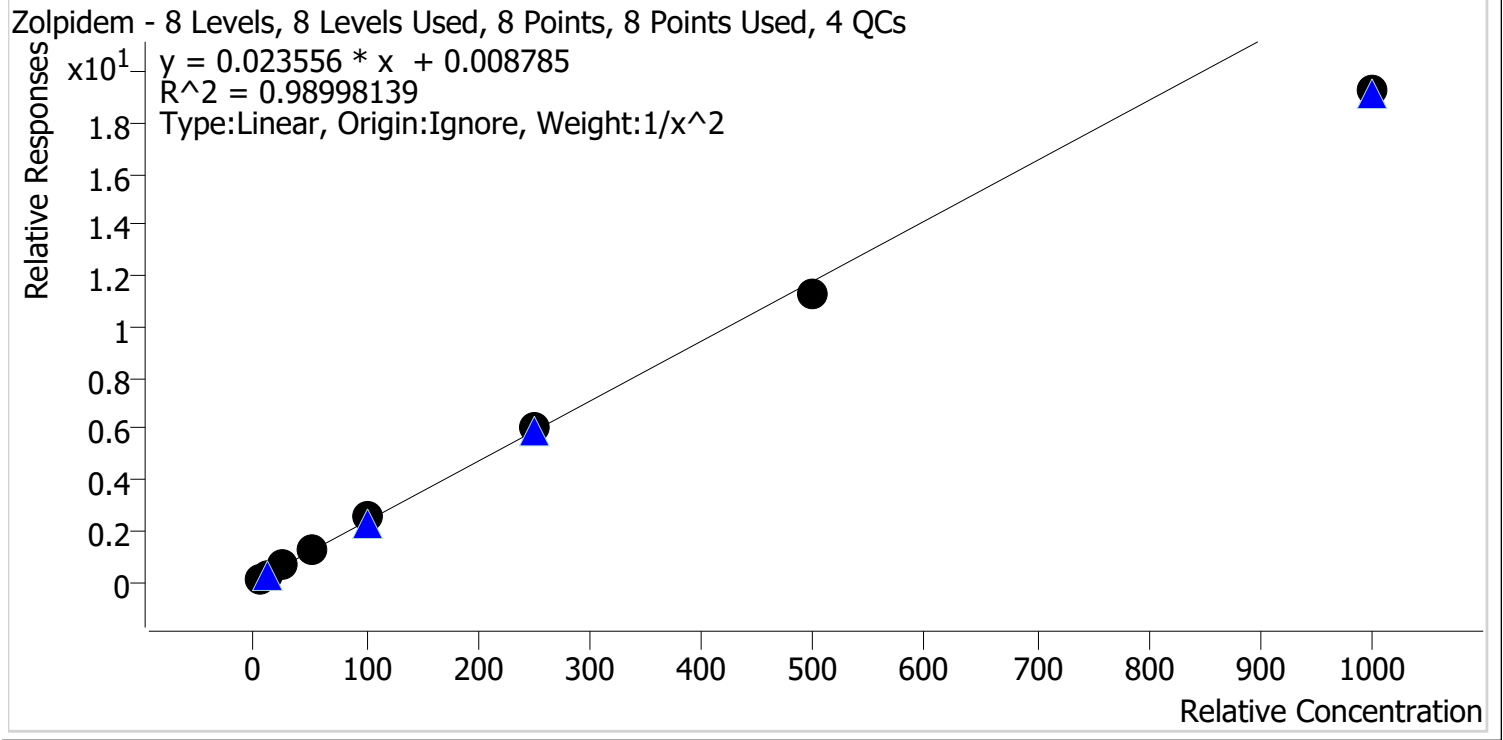


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	47.5	94.9
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	534.4	106.9
p1 Cal 8-1000ng	8	✓	1000.0	1053.3	105.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 2/15/2024 9:25 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



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	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.4
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	476.6	95.3
p1 Cal 8-1000ng	8	✓	1000.0	816.6	81.7



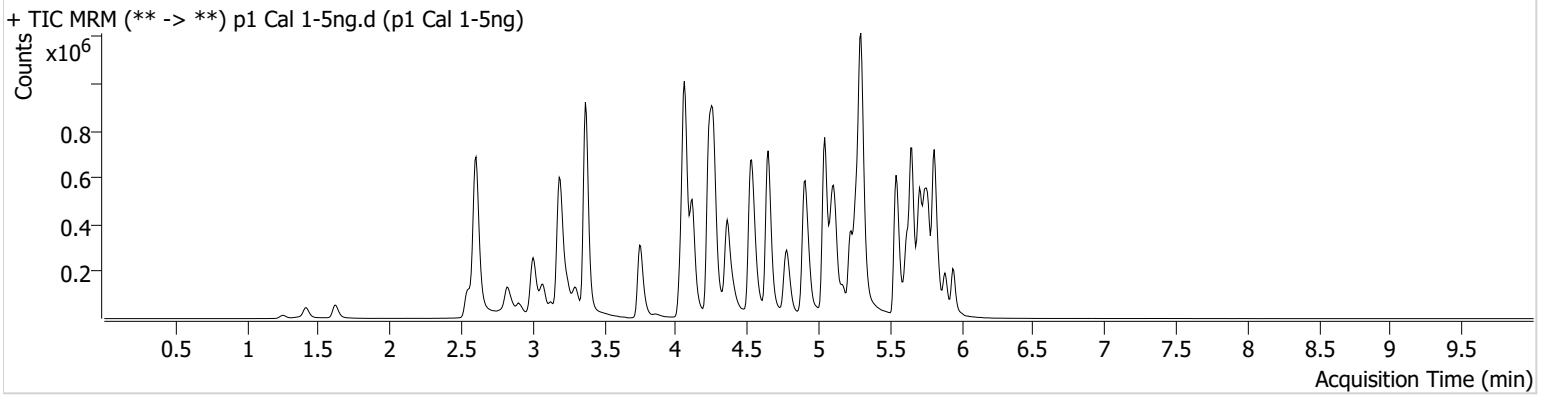
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 2/15/2024 9:25:36 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 Celena Shrum  
Sample Position P2-H12 Comment  
Injection Volume 2  
Acq. Date-Time 2/13/2024 2:15:37 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	3.143	1913	2102.98	68.5	2220.95	114723	0.5079 ng/ml
7-aminoclonazepam	4.271	17913	45.36	79.1	20324.69	181842	4.9920 ng/ml
9-hydroxyrisperidone	4.651	4621	5431.66	3832.3	97910.01	1571120	5.0156 ng/ml
a-hydroxyalprazolam	5.692	15204	71.77	67.3	160.92	142812	4.7922 ng/ml
alpha-PHP	4.943	30941	107.39	252.7	678.03	954971	4.8979 ng/ml
alpha-PVP	4.369	112363	13202.17	49.7	155.69	954971	5.0904 ng/ml
Alprazolam	5.775	56079	236.88	115.0	130.47	516162	5.0613 ng/ml
Amphetamine	3.074	180269	270.41	46.6	2097.33	491428	4.8094 ng/ml
Benzoylcegonine	3.889	2409	81.64	40.7	27.20	19834	4.9983 ng/ml
Bromazolam	5.807	27286	622.93	125.3	38819.64	256454	4.8223 ng/ml
Buprenorphine	5.861	2921	4885.48	14.0	259.43	216488	0.5123 ng/ml
Bupropion	4.792	116795	167.10	67.2	653.72	663846	5.0007 ng/ml
Carisoprodol	5.723	59206	527.09	62.6	76.08	516283	5.1427 ng/ml
Citalopram	5.227	85001	1924.72	33.3	42962.21	788148	5.1386 ng/ml
Clonazepam	5.611	49766	1112.84	35.5	532.33	147645	4.8549 ng/ml
Clonazolam	5.554	43257	38381.57	37.2	537.18	147645	4.8237 ng/ml
Cocaine	4.264	80717	380.36	49.6	41551.00	1364918	5.0768 ng/ml
Codeine	2.596	8438	23310.93	105.5	19094.97	100773	4.7623 ng/ml
Cyclobenzaprine	5.627	56854	168.52	10.0	61.27	592789	5.1368 ng/ml
Dextromethorphan	5.277	52409	15538.11	83.9	57754.79	539088	5.0592 ng/ml
Dextrorphan	4.123	36155	424.97	214.6	610.07	930998	5.0559 ng/ml
Diazepam	5.947	35807	733.43	90.5	109.10	345941	4.9774 ng/ml
Dihydrocodeine	2.575	24305	862.80	61.4	446.22	300366	4.7666 ng/ml
Diphenhydramine	5.298	240835	115.83	29.1	88526.14	2461124	5.1520 ng/ml
Doxylamine	4.545	200905	491.77	98.7	1624.74	1986207	5.0930 ng/ml
Duloxetine	5.647	4516	248.26	9.9	∞	51254	5.0307 ng/ml
EDDP	5.263	72667	91.35	37.6	36340.21	786834	5.0720 ng/ml
Etizolam	5.807	30024	21813.27	27.9	13539.10	147645	5.2283 ng/ml
Fentanyl	5.110	7937	57.18	73.7	68.75	905146	0.5092 ng/ml
Fluorofentanyl	5.164	18946	∞	39.3	388.22	7404	0.4835 ng/ml
Fluoxetine	5.707	53871	1108.02	7.3	57.48	404509	5.0578 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	34442	823.63	32.8	104.00	372328	4.9147 ng/ml
Hydromorphone	1.629	20467	500.13	84.9	1716.55	152553	4.9195 ng/ml
Hydroxyzine	5.704	80051	2978.65	75.2	57891.33	539088	5.2225 ng/ml
Ketamine	4.056	77365	724.81	33.8	33.69	640789	4.9018 ng/ml
Lamotrigine	4.287	7255	141.07	80.4	50.16	1933461	49.1241 ng/ml
Lorazepam	5.747	44099	197.72	50.5	79.11	682454	4.8792 ng/ml
MDA	3.215	96379	226.03	33.0	432.17	676974	4.7813 ng/ml
MDMA	3.309	73983	2537.41	92.8	757.69	166066	5.0681 ng/ml
Meprobamate	4.916	23617	353.34	39.2	228.32	226813	4.8675 ng/ml
Methadone	5.652	148803	5808.81	50.7	1334.36	1220954	5.1469 ng/ml
Methamphetamine	3.250	166101	599.77	39.0	79.76	1215626	4.9148 ng/ml
Metoprolol	4.327	22407	516.17	106.1	615.46	1759093	4.9246 ng/ml
Mirtazapine	4.641	144156	129632.06	53.7	820.47	954971	4.9711 ng/ml
Mitragynine	5.239	33064	74340.56	34.0	17398.79	1220954	5.0558 ng/ml
Morphine	1.261	3717	63.67	35.3	12.15	10179	5.0601 ng/ml
Norbuprenorphine	4.992	481	500.40	103.1	498.69	37934	0.5370 ng/ml
Nordiazepam	5.894	41261	292.63	55.2	5726.12	273656	5.0223 ng/ml
Norfentanyl	4.083	15759	656.02	33.3	74.86	1550948	0.5218 ng/ml
Norhydrocodone	3.077	6539	51.71	40.3	146.34	90746	5.3083 ng/ml
Noroxycodone	2.927	19991	309.11	47.4	244.42	149532	4.9888 ng/ml
O-desmethyl-tramadol	3.376	178702	813.34	5.7	521.54	2220544	5.1290 ng/ml
o-desmethylvenlafaxine	4.068	245526	9850.72	15.6	150.81	40036	5.1643 ng/ml
Olanzapine	4.482	21229	637.86	52.6	239.27	103993	4.9997 ng/ml
Oxazepam	5.749	62054	476.86	74.0	61.73	682454	4.9050 ng/ml
Oxycodone	2.852	57091	651.38	28.9	105.36	453694	4.9924 ng/ml
Oxymorphone	1.419	17995	94.73	47.5	309.13	134376	5.0789 ng/ml
Phentermine	3.792	41911	76.98	7.1	63.85	901484	4.7036 ng/ml
Promethazine	5.544	94163	386.22	33.8	100.74	1007042	5.1168 ng/ml
Pseudoephedrine	2.613	210282	1767.92	17.0	90816.38	1933461	5.1902 ng/ml
Quetiapine	5.560	112059	182568.79	55.7	57516.72	325407	4.9034 ng/ml
Sertraline	5.776	11824	98.95	97.2	14106.40	104038	5.2893 ng/ml
Temazepam	5.817	106277	1153.21	28.1	57.45	1012128	5.1135 ng/ml
Tramadol	4.245	167287	201.78	3.9	78.07	1759093	4.9576 ng/ml
Trazodone	5.171	135350	6882.14	58.9	2027.92	871826	4.8777 ng/ml
Venlafaxine	5.044	148196	2781.62	37.8	181.28	1840916	5.1366 ng/ml
Xylazine	4.090	65115	78942.95	42.0	78.21	632646	5.0650 ng/ml
Zolpidem	4.927	162429	1720.89	27.0	50195.75	1326428	4.8255 ng/ml



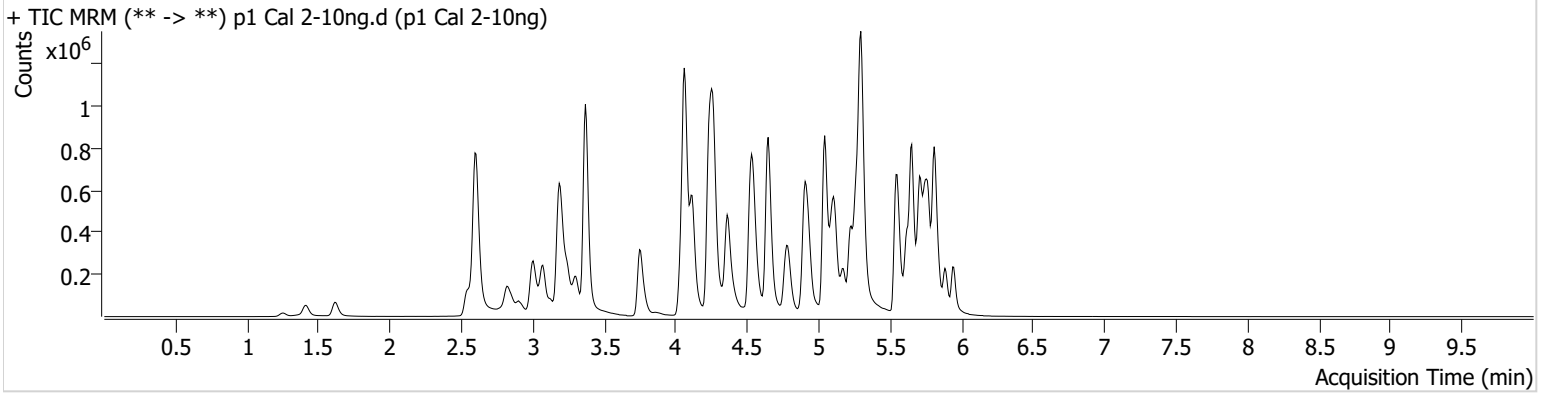
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 2/15/2024 9:25:36 AM

Instrument Falco (069901) Data File p1 Cal 2-10ng.d  
Type Cal Sample p1 Cal 2-10ng  
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum  
Sample Position P2-G12 Comment  
Injection Volume 2  
Acq. Date-Time 2/13/2024 2:26:25 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	3.136	3859	∞	65.9	2048.03	117674	0.9801 ng/ml
7-aminoclonazepam	4.264	34096	105.49	82.1	34.09	173249	9.8557 ng/ml
9-hydroxyrisperidone	4.651	10111	364.21	3511.8	1568.13	1567710	10.0879 ng/ml
a-hydroxyalprazolam	5.692	30333	1878.68	65.2	558.03	143776	10.1418 ng/ml
alpha-PHP	4.943	61663	872.71	259.1	6478.79	952019	10.0662 ng/ml
alpha-PVP	4.369	230123	9112.92	49.8	578.16	952019	9.8465 ng/ml
Alprazolam	5.775	118212	237.97	109.3	∞	519617	9.9390 ng/ml
Amphetamine	3.074	369564	493.23	46.4	3771.77	491099	10.4712 ng/ml
Benzoylcegonine	3.889	5085	61.93	37.0	35.06	19132	10.0753 ng/ml
Bromazolam	5.807	56393	90994.62	124.9	67021.14	248687	10.4254 ng/ml
Buprenorphine	5.861	5987	6679.76	14.0	622.82	223173	0.9902 ng/ml
Bupropion	4.792	234095	5387.41	69.2	747.10	660445	9.8763 ng/ml
Carisoprodol	5.723	118146	6021.64	62.7	154.70	510847	9.7454 ng/ml
Citalopram	5.227	169230	652.11	33.6	668.97	775507	9.7213 ng/ml
Clonazepam	5.611	100217	7810.90	37.3	100137.93	152198	10.0584 ng/ml
Clonazolam	5.554	90741	28302.53	36.7	33648.27	152198	10.2438 ng/ml
Cocaine	4.264	162654	1413564.13	51.4	5268.69	1386125	9.7698 ng/ml
Codeine	2.596	18608	48080.79	102.5	80.80	101671	10.6519 ng/ml
Cyclobenzaprine	5.627	112304	41858.68	9.9	51604.40	562034	9.8321 ng/ml
Dextromethorphan	5.277	105807	3576.10	88.0	1594.36	536169	9.8714 ng/ml
Dextrorphan	4.116	74349	4228.92	211.8	540.08	929410	9.9553 ng/ml
Diazepam	5.947	71102	134.27	90.4	328.62	333671	10.0152 ng/ml
Dihydrocodeine	2.575	51579	126.29	60.9	131.16	304726	10.4694 ng/ml
Diphenhydramine	5.298	468444	10859.15	30.5	107.38	2421675	9.5686 ng/ml
Doxylamine	4.545	413226	359777.18	98.5	8644.74	1988693	9.8160 ng/ml
Duloxetine	5.647	8476	352.35	13.6	1073.48	49047	9.7801 ng/ml
EDDP	5.263	159310	114.79	40.7	5567.86	834155	9.9401 ng/ml
Etizolam	5.807	60660	44270.02	27.4	18783.20	152198	9.4344 ng/ml
Fentanyl	5.110	15767	77.65	72.9	11256.26	877380	0.9885 ng/ml
Fluorofentanyl	5.164	38344	365.88	42.0	19266.58	6735	1.0346 ng/ml
Fluoxetine	5.707	102408	562.73	6.7	4288.32	393812	9.7364 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	70309	366.32	34.9	56.82	377821	10.1508 ng/ml
Hydromorphone	1.622	46276	147031.34	75.9	108469.05	153369	10.3372 ng/ml
Hydroxyzine	5.704	157215	2914.66	76.4	2759.10	536169	9.5587 ng/ml
Ketamine	4.056	151091	413.43	36.0	213.94	655833	9.9734 ng/ml
Lamotrigine	4.287	14732	46.84	82.5	4728.08	1968700	101.5175 ng/ml
Lorazepam	5.747	86222	470.13	49.5	126.04	657242	10.2729 ng/ml
MDA	3.208	197593	2129.11	33.4	1068.54	676801	10.4104 ng/ml
MDMA	3.302	149703	2796.66	94.3	1140.12	169575	9.7794 ng/ml
Meprobamate	4.916	50553	249.64	36.2	102.62	232445	10.3502 ng/ml
Methadone	5.652	291772	274.32	50.8	1840.82	1183935	9.6576 ng/ml
Methamphetamine	3.250	333857	234.50	38.6	239.54	1254942	10.0254 ng/ml
Metoprolol	4.327	45571	270.61	107.2	555.15	1772000	10.0678 ng/ml
Mirtazapine	4.641	289486	612.55	52.6	211.86	952019	10.0267 ng/ml
Mitragynine	5.239	61814	14513.06	34.2	14781.99	1183935	9.6695 ng/ml
Morphine	1.261	7394	332.73	36.8	903.92	10481	9.6430 ng/ml
Norbuprenorphine	4.999	897	2932.21	98.5	2087.96	39334	1.0638 ng/ml
Nordiazepam	5.894	81487	279.46	56.0	369.52	275996	9.8508 ng/ml
Norfentanyl	4.083	32467	310.24	39.3	44.78	1551775	0.9535 ng/ml
Norhydrocodone	3.077	13966	70.48	39.2	44.29	91639	9.4510 ng/ml
Noroxycodone	2.920	41321	783.05	49.2	163.66	151314	9.9864 ng/ml
O-desmethyl-tramadol	3.376	361920	1970.90	5.8	141.41	2248242	9.6750 ng/ml
o-desmethylvenlafaxine	4.068	494422	14077.10	15.7	254.65	39853	9.7846 ng/ml
Olanzapine	4.482	31860	377.36	51.1	370.13	76164	9.9934 ng/ml
Oxazepam	5.749	121217	1035.00	73.2	174.28	657242	10.1512 ng/ml
Oxycodone	2.852	114510	2100.15	29.5	443.10	456505	9.9336 ng/ml
Oxymorphone	1.413	35500	651.51	49.8	86.66	143777	9.4060 ng/ml
Phentermine	3.785	86683	213.60	7.5	147.49	913547	10.4908 ng/ml
Promethazine	5.544	185114	372.04	32.1	1167.18	973785	9.7738 ng/ml
Pseudoephedrine	2.613	430986	3175.23	16.9	5245.14	1968700	9.6410 ng/ml
Quetiapine	5.560	226531	7342.59	54.9	5684.92	319014	10.1270 ng/ml
Sertraline	5.776	21453	143.77	98.2	2438.25	104843	9.0982 ng/ml
Temazepam	5.817	213459	2647.42	27.2	51.88	993257	9.8108 ng/ml
Tramadol	4.245	336006	734.59	3.9	281.08	1772000	9.9363 ng/ml
Trazodone	5.171	268611	119.85	61.7	19147.72	870266	10.1072 ng/ml
Venlafaxine	5.044	314746	266125.89	37.7	131.16	1848073	9.8097 ng/ml
Xylazine	4.083	134501	112488.58	42.2	193.15	637919	9.9080 ng/ml
Zolpidem	4.927	333300	885878.21	27.8	7458.32	1334337	10.2310 ng/ml



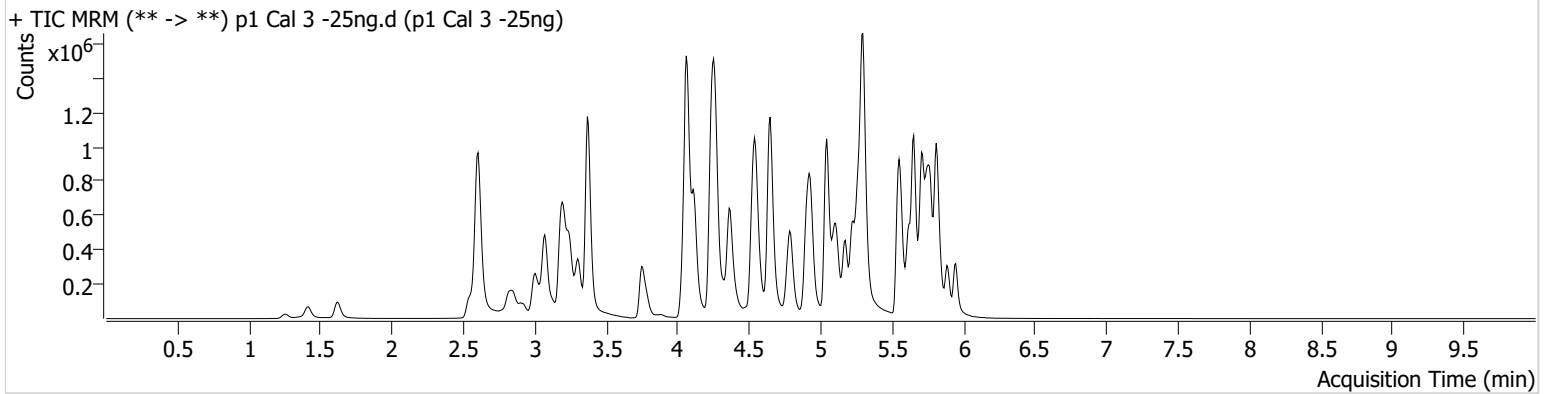
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 2/15/2024 9:25:36 AM

**Instrument** Falco (069901) **Data File** p1 Cal 3 -25ng.d  
**Type** Cal **Sample** p1 Cal 3 -25ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-F12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 2/13/2024 2:37:03 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	3.136	9098	294.99	77.7	∞	109980	2.4426 ng/ml
7-aminoclonazepam	4.264	83995	825.23	71.7	83.23	159796	26.1270 ng/ml
9-hydroxyrisperidone	4.651	23884	2515.40	3582.1	2116.99	1462327	24.3757 ng/ml
a-hydroxyalprazolam	5.692	74599	1318.62	65.1	1665.08	133336	27.9801 ng/ml
alpha-PHP	4.936	150796	1973.16	258.2	878.49	908657	26.2216 ng/ml
alpha-PVP	4.369	556509	738.06	49.4	553.35	908657	24.0595 ng/ml
Alprazolam	5.769	278750	1814.87	109.7	468.09	479200	24.4756 ng/ml
Amphetamine	3.074	859460	13037.14	46.9	1030.16	463090	26.6686 ng/ml
Benzoylcegonine	3.889	12079	251.12	38.7	110.09	17826	24.5622 ng/ml
Bromazolam	5.807	129874	126961.94	120.3	159052.81	227461	26.4486 ng/ml
Buprenorphine	5.861	12988	16586.92	14.9	1455.20	204159	2.3091 ng/ml
Bupropion	4.792	570149	551.82	67.4	6187.00	617380	25.4182 ng/ml
Carisoprodol	5.723	278333	6656.05	64.7	833.84	473303	23.8299 ng/ml
Citalopram	5.227	400739	1397.95	34.9	134051.96	723819	23.6487 ng/ml
Clonazepam	5.611	235752	1005.50	35.3	556.47	136243	27.4133 ng/ml
Clonazolam	5.554	211367	2829.49	36.8	86989.87	136243	27.3178 ng/ml
Cocaine	4.264	394244	563.54	51.2	207081.74	1311888	24.5381 ng/ml
Codeine	2.596	42003	68.49	107.6	120333.17	96175	25.7017 ng/ml
Cyclobenzaprine	5.627	263416	5476.23	9.4	62.43	531837	23.1841 ng/ml
Dextromethorphan	5.277	248054	6764.08	84.4	6968.29	495802	24.4331 ng/ml
Dextrorphan	4.116	176308	312.71	212.4	1741.04	886067	24.1181 ng/ml
Diazepam	5.947	174207	615.07	88.5	271.65	318211	25.3864 ng/ml
Dihydrocodeine	2.575	124268	95.02	62.4	140.78	289188	27.2821 ng/ml
Diphenhydramine	5.298	1138709	1860729.13	30.3	777.22	2235501	24.1671 ng/ml
Doxylamine	4.545	997949	25714.00	98.4	311.56	1903309	23.8355 ng/ml
Duloxetine	5.647	19405	384.17	11.2	1433.80	43009	25.3885 ng/ml
EDDP	5.263	364923	274.67	41.4	610529.01	764043	24.0878 ng/ml
Etizolam	5.807	145016	20953.73	27.0	39915.62	136243	23.7810 ng/ml
Fentanyl	5.104	36214	1307.88	77.3	35284.17	817165	2.3610 ng/ml
Fluorofentanyl	5.164	89854	1930.86	40.7	5881.63	6161	2.5978 ng/ml
Fluoxetine	5.707	230890	486.57	7.3	23219.51	337654	25.3643 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	164351	65.44	34.4	162.33	355578	25.5993 ng/ml
Hydromorphone	1.622	108059	2184.18	75.5	31.99	143160	24.9861 ng/ml
Hydroxyzine	5.704	371184	22213.65	75.0	205778.38	495802	23.2041 ng/ml
Ketamine	4.048	364027	300.58	35.8	285.48	616098	26.6471 ng/ml
Lamotrigine	4.287	33973	85.62	82.8	8756.56	1848920	254.4867 ng/ml
Lorazepam	5.747	197860	2511.49	51.8	135.69	590349	26.7995 ng/ml
MDA	3.208	457572	6975.21	33.5	799.23	625518	26.9518 ng/ml
MDMA	3.309	358352	9952.73	94.3	2133.65	158819	24.5771 ng/ml
Meprobamate	4.916	121107	2079.02	35.3	5909.05	220270	26.4233 ng/ml
Methadone	5.652	693135	6102.75	51.6	321.59	1092861	23.7001 ng/ml
Methamphetamine	3.243	805428	394.29	38.0	323.24	1182450	26.4208 ng/ml
Metoprolol	4.327	110801	130996.03	105.8	1811.89	1698446	25.7274 ng/ml
Mirtazapine	4.641	689040	1735.97	52.3	1142.43	908657	25.0239 ng/ml
Mitragynine	5.239	146315	894.23	35.7	868.04	1092861	24.6639 ng/ml
Morphine	1.261	17747	1847.35	34.8	74466.87	9641	24.9270 ng/ml
Norbuprenorphine	4.992	1777	2492.38	100.2	1322.89	36815	2.3891 ng/ml
Nordiazepam	5.894	190959	641.74	57.0	373.11	256425	24.8719 ng/ml
Norfentanyl	4.083	78018	130.81	37.5	858.09	1428282	2.3052 ng/ml
Norhydrocodone	3.077	33701	212.25	39.1	171.39	85685	21.8722 ng/ml
Noroxycodone	2.920	98265	1637.68	49.6	167.86	140384	25.2916 ng/ml
O-desmethyl-tramadol	3.376	887701	45273.22	5.9	401.80	2137316	24.0388 ng/ml
o-desmethylvenlafaxine	4.068	1163038	22014.15	16.0	1372.40	38400	22.9534 ng/ml
Olanzapine	4.482	68015	575.43	55.5	254.81	64436	24.8510 ng/ml
Oxazepam	5.749	273806	348.70	73.4	1352.73	590349	25.8254 ng/ml
Oxycodone	2.852	275597	796.30	29.5	387.41	432400	25.2120 ng/ml
Oxymorphone	1.413	87010	169.33	47.5	157.64	124799	26.6492 ng/ml
Phentermine	3.785	208147	333.51	7.3	58.13	853828	28.2957 ng/ml
Promethazine	5.544	427363	412.41	32.4	494.92	882140	23.9660 ng/ml
Pseudoephedrine	2.613	1027148	12919.07	17.1	27287.38	1848920	23.2414 ng/ml
Quetiapine	5.560	530649	6734.57	55.9	296247.26	290921	26.0366 ng/ml
Sertraline	5.776	50311	5409.71	99.1	278.37	88579	24.3110 ng/ml
Temazepam	5.817	484884	3185.55	27.6	2143.60	885851	24.0199 ng/ml
Tramadol	4.245	830306	∞	3.6	163.63	1698446	25.6980 ng/ml
Trazodone	5.171	628728	598.17	59.8	231719.10	797184	26.4712 ng/ml
Venlafaxine	5.044	749584	8718.47	36.6	309.36	1728861	23.5080 ng/ml
Xylazine	4.083	313849	228103.86	45.4	738.29	593047	24.1950 ng/ml
Zolpidem	4.927	807419	555584.68	27.6	6517.46	1270304	26.6099 ng/ml





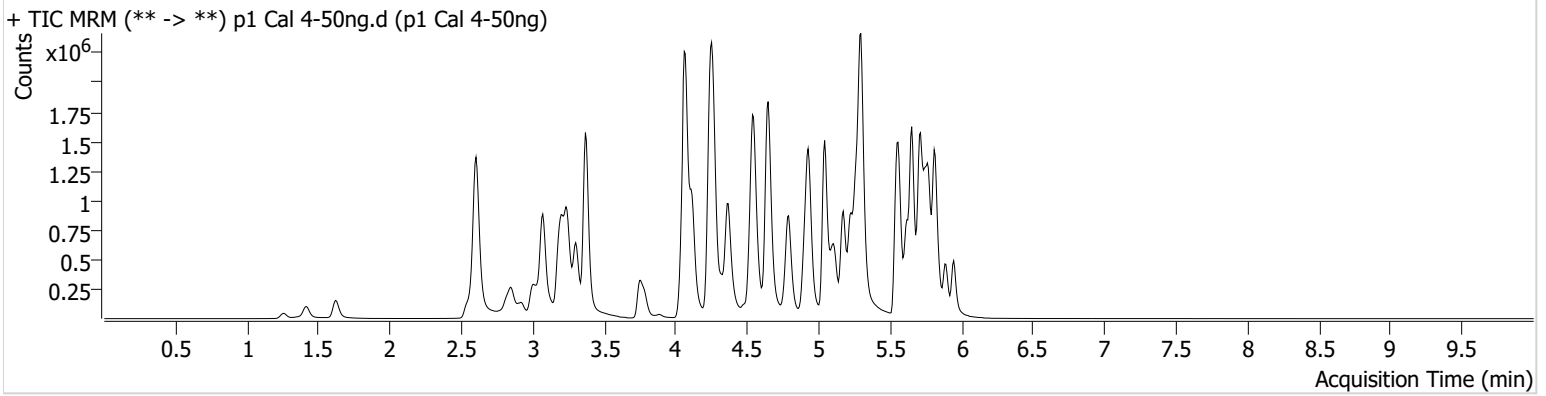
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 2/15/2024 9:25:36 AM

Instrument Falco (069901) Data File p1 Cal 4-50ng.d  
Type Cal Sample p1 Cal 4-50ng  
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum  
Sample Position P2-E12 Comment  
Injection Volume 2  
Acq. Date-Time 2/13/2024 2:47:40 AM  
Sample Info.

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	18864	1098.65	73.6	15795.27	112128	4.9475 ng/ml
7-aminoclonazepam	4.264	152030	73.84	78.4	849.12	150681	50.0424 ng/ml
9-hydroxyrisperidone	4.651	50464	54168.51	3566.0	5567.76	1507925	49.1438 ng/ml
a-hydroxyalprazolam	5.692	138254	883.77	68.7	747.64	127928	54.6601 ng/ml
alpha-PHP	4.936	309930	7058.06	257.4	7777.98	913562	53.8911 ng/ml
alpha-PVP	4.369	1152300	23348.19	49.9	7830.68	913562	48.9358 ng/ml
Alprazolam	5.775	546701	842.24	113.8	756.76	482271	47.1258 ng/ml
Amphetamine	3.074	1669095	24659.12	46.3	602.33	468529	51.7191 ng/ml
Benzoylcegonine	3.889	24488	375.03	35.6	125.92	17646	49.5416 ng/ml
Bromazolam	5.807	246109	285881.84	124.8	181333.27	222667	51.3209 ng/ml
Buprenorphine	5.861	29432	8601.03	15.0	6004.78	222334	4.7740 ng/ml
Bupropion	4.792	1188894	31120.01	67.5	14526.77	633023	51.4910 ng/ml
Carisoprodol	5.723	531786	51481.87	63.2	4244.54	448886	47.3816 ng/ml
Citalopram	5.220	857643	9305.49	34.6	3958.01	742469	48.6229 ng/ml
Clonazepam	5.611	454821	949.82	36.0	23248.99	135827	53.6118 ng/ml
Clonazolam	5.554	409083	310328.34	35.7	141200.13	135827	53.4222 ng/ml
Cocaine	4.264	806727	637.00	51.1	365.41	1308400	50.0204 ng/ml
Codeine	2.596	86046	495.44	101.4	142.62	92657	54.8824 ng/ml
Cyclobenzaprine	5.627	573206	562.46	9.3	129.49	546956	48.1593 ng/ml
Dextromethorphan	5.277	527757	12360.86	83.0	138.03	516722	49.4762 ng/ml
Dextrorphan	4.116	361602	4615.44	211.5	544.87	879158	49.3920 ng/ml
Diazepam	5.947	350735	259.42	88.8	9918.86	318979	50.7670 ng/ml
Dihydrocodeine	2.568	245043	6323.58	65.1	372159.41	297844	52.6514 ng/ml
Diphenhydramine	5.298	2382737	162834.35	29.6	12045.41	2290390	48.7004 ng/ml
Doxylamine	4.545	2103604	35081.69	97.3	1433.78	1920499	49.1262 ng/ml
Duloxetine	5.647	42222	1317.65	11.7	464.16	46682	50.8028 ng/ml
EDDP	5.263	762633	18478.88	41.2	27088.55	787983	48.2831 ng/ml
Etizolam	5.807	289326	16760.70	26.7	31735.25	135827	46.7435 ng/ml
Fentanyl	5.104	79374	135.67	75.3	66121.87	851624	4.9075 ng/ml
Fluorofentanyl	5.164	194328	2677.03	40.6	51528.45	6418	5.3567 ng/ml
Fluoxetine	5.707	481646	460.06	7.6	11811.72	358457	49.6987 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	335393	∞	35.4	135.95	362980	51.4361 ng/ml
Hydromorphone	1.622	220767	457134.40	78.0	493135.78	144889	49.8453 ng/ml
Hydroxyzine	5.704	776249	30514.15	78.0	62283.81	516722	45.7831 ng/ml
Ketamine	4.048	728829	16262.55	35.5	287.34	620640	53.6345 ng/ml
Lamotrigine	4.287	68321	1786.52	85.6	959.57	1819338	523.8398 ng/ml
Lorazepam	5.747	330161	5297.78	51.8	591.64	532920	49.8410 ng/ml
MDA	3.208	888565	1708.79	33.1	2767.64	612199	54.0439 ng/ml
MDMA	3.302	738539	1114.81	94.1	6118.87	160185	49.9397 ng/ml
Meprobamate	4.916	227316	18914.90	35.5	1371.93	215410	50.8699 ng/ml
Methadone	5.652	1478086	16171.07	50.1	981.74	1125765	48.2773 ng/ml
Methamphetamine	3.243	1627938	1542.55	38.9	255.73	1228319	51.8634 ng/ml
Metoprolol	4.327	226058	5241.24	105.0	2228.38	1692904	52.7899 ng/ml
Mirtazapine	4.641	1428646	361128.13	52.5	24937.26	913562	51.6192 ng/ml
Mitragynine	5.239	319420	310170.45	34.9	1787.17	1125765	52.1761 ng/ml
Morphine	1.261	36938	116.03	35.9	487.12	9418	52.9486 ng/ml
Norbuprenorphine	4.992	3751	9868.48	99.2	2765.21	38244	4.9825 ng/ml
Nordiazepam	5.894	388793	1119.93	57.2	737.79	252243	51.4969 ng/ml
Norfentanyl	4.083	158232	72.61	36.7	235.61	1353002	4.8051 ng/ml
Norhydrocodone	3.070	72383	192.61	37.5	225.73	84249	45.8920 ng/ml
Noroxycodone	2.920	197359	3886.06	48.9	2175.39	140730	50.4755 ng/ml
O-desmethyl-tramadol	3.376	1819198	131792.34	5.9	220.26	2135447	48.6924 ng/ml
o-desmethylvenlafaxine	4.068	2370143	108687.99	15.9	170.36	37253	47.5039 ng/ml
Olanzapine	4.482	156782	522.19	52.6	559.47	71530	51.3444 ng/ml
Oxazepam	5.749	500018	1291.33	73.6	1277.32	532920	52.4453 ng/ml
Oxycodone	2.845	569703	4960.42	29.6	8001.69	439322	51.2769 ng/ml
Oxymorphone	1.419	174228	∞	47.9	∞	129949	51.2927 ng/ml
Phentermine	3.785	412987	439.47	7.3	73.88	883485	55.0424 ng/ml
Promethazine	5.544	921608	58631.32	32.5	96.51	936527	48.0537 ng/ml
Pseudoephedrine	2.613	2101219	37307.68	16.7	30636.27	1819338	47.4587 ng/ml
Quetiapine	5.560	1093452	281.99	57.8	245.21	301405	51.7994 ng/ml
Sertraline	5.776	105076	288.67	95.9	1817.02	93686	47.4876 ng/ml
Temazepam	5.817	920797	9306.45	27.4	186.31	831543	47.9527 ng/ml
Tramadol	4.245	1676617	∞	3.9	109.17	1692904	52.1140 ng/ml
Trazodone	5.171	1323971	940.16	60.4	862.80	832418	53.8050 ng/ml
Venlafaxine	5.044	1588014	63630.42	36.8	634.57	1776803	47.4524 ng/ml
Xylazine	4.083	648307	104181.65	45.9	2876.24	599173	49.0018 ng/ml
Zolpidem	4.927	1670145	564.69	27.5	3756.59	1304711	53.9690 ng/ml



# AM #28 Multi-Drug Quant. Results

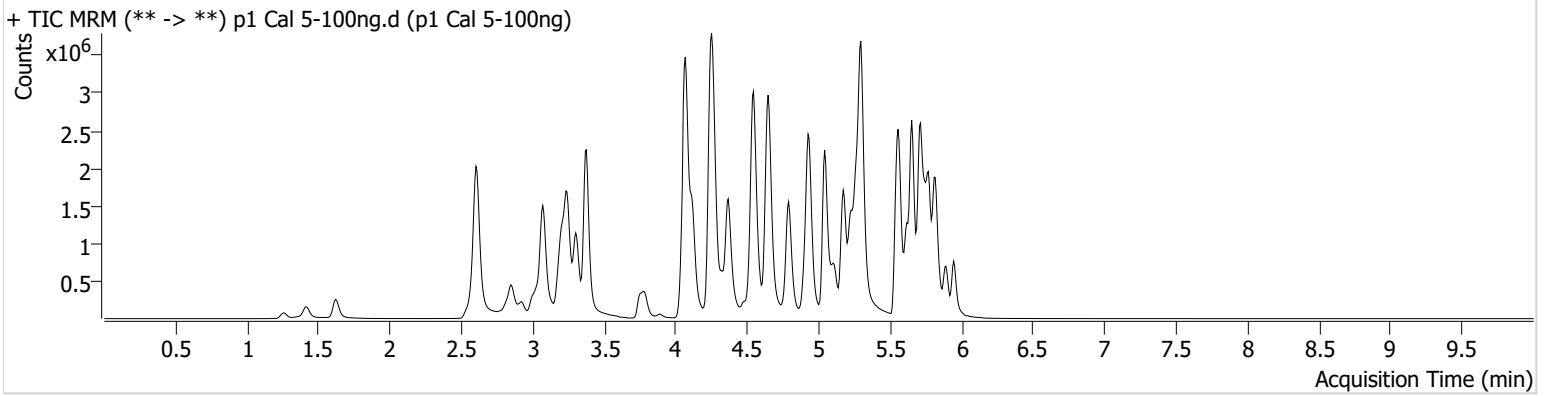
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**Calibration Last Update** 2/15/2024 9:25:36 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-D12  
**Injection Volume** 2  
**Acq. Date-Time** 2/13/2024 2:58:17 AM  
**Sample Info.**

**Data File** p1 Cal 5-100ng.d  
**Sample** p1 Cal 5-100ng  
**Operator** Celena Shrum

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	3.136	35765	1145.40	76.6	133471.05	105262	9.9722 ng/ml
7-aminoclonazepam	4.271	279738	225.48	75.9	261.48	139751	99.1640 ng/ml
9-hydroxyrisperidone	4.651	96358	1025.48	3638.2	6293.74	1439408	97.5395 ng/ml
a-hydroxyalprazolam	5.692	238751	1844.25	65.1	437.26	114938	105.6662 ng/ml
alpha-PHP	4.943	568137	3242.74	259.6	1955.01	883659	102.3780 ng/ml
alpha-PVP	4.369	2229891	754.40	50.1	434.12	883659	97.3236 ng/ml
Alprazolam	5.775	1062204	1060.19	110.1	559.58	443871	98.8143 ng/ml
Amphetamine	3.074	3037769	4164.72	45.0	31453.55	443738	99.9186 ng/ml
Benzoylcegonine	3.889	50043	112494.14	38.2	3679.27	17422	101.7711 ng/ml
Bromazolam	5.807	428357	3658.86	128.2	350752.28	194976	102.1399 ng/ml
Buprenorphine	5.861	60105	1004.18	15.0	1165.13	218805	9.8757 ng/ml
Bupropion	4.792	2291884	120441.09	68.2	23300.29	626630	100.0892 ng/ml
Carisoprodol	5.723	920706	25534.37	63.6	2069.92	381248	95.9482 ng/ml
Citalopram	5.227	1627273	48135.58	34.0	204.07	698656	97.3701 ng/ml
Clonazepam	5.611	776022	39663.22	35.9	468.09	120486	103.6763 ng/ml
Clonazolam	5.554	692204	334806.96	35.9	247151.30	120486	102.2795 ng/ml
Cocaine	4.264	1530197	620922.04	51.7	255628.37	1250071	99.0012 ng/ml
Codeine	2.596	153274	625.06	100.5	183.37	87403	103.8204 ng/ml
Cyclobenzaprine	5.627	1103363	25794.81	9.0	6289.77	521093	96.4834 ng/ml
Dextromethorphan	5.277	1014862	13432.69	80.5	107152.58	490042	99.9239 ng/ml
Dextrorphan	4.116	675424	452.32	211.2	20024.76	828534	97.4690 ng/ml
Diazepam	5.947	670207	633.96	89.4	4878.51	310931	99.3090 ng/ml
Dihydrocodeine	2.568	467090	898.21	64.5	370.37	288617	104.0121 ng/ml
Diphenhydramine	5.298	4619266	101753.55	30.0	11696.52	2184779	98.3255 ng/ml
Doxylamine	4.545	4205531	97901.33	95.0	165090.53	1870489	100.1938 ng/ml
Duloxetine	5.647	73254	3709.93	11.7	224.39	41876	98.1752 ng/ml
EDDP	5.263	1454752	18549.57	41.2	12536.13	741150	97.3937 ng/ml
Etizolam	5.814	518856	50304.42	27.1	1464.80	120486	93.6343 ng/ml
Fentanyl	5.110	157034	2671.98	74.3	82.34	827021	9.9435 ng/ml
Fluorofentanyl	5.164	376213	818.43	40.8	1420.65	6516	10.1849 ng/ml
Fluoxetine	5.707	871597	24786.06	7.4	132614.72	327058	98.4261 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	659744	5636.60	34.7	148.79	351899	104.6334 ng/ml
Hydromorphone	1.622	424707	2055134.60	76.9	3522.02	138742	99.5528 ng/ml
Hydroxyzine	5.704	1564992	15820.04	78.9	7276.97	490042	96.4577 ng/ml
Ketamine	4.056	1345569	427.93	35.0	1548.45	589603	104.8769 ng/ml
Lamotrigine	4.287	127523	980.49	86.9	110794.27	1691964	1054.9814 ng/ml
Lorazepam	5.740	480377	9690.15	52.6	573.88	405428	95.6467 ng/ml
MDA	3.208	1558184	6671.55	33.4	1453.82	563992	103.3925 ng/ml
MDMA	3.302	1394197	1594.47	95.7	1514.88	149819	100.5247 ng/ml
Meprobamate	4.916	377501	5599.12	35.0	6427.10	198709	91.7144 ng/ml
Methadone	5.652	2955620	31477.82	49.7	11187.20	1067000	101.0391 ng/ml
Methamphetamine	3.243	3125014	18524.51	38.3	425.81	1184760	103.6951 ng/ml
Metoprolol	4.326	430378	10210.41	106.9	31967.71	1665657	102.2623 ng/ml
Mirtazapine	4.641	2737115	34615.43	51.9	8926.48	883659	102.2556 ng/ml
Mitragynine	5.239	625547	796796.90	34.6	2578.80	1067000	107.7191 ng/ml
Morphine	1.261	70682	636.65	34.8	130.17	9420	101.1636 ng/ml
Norbuprenorphine	4.999	6660	4500.46	106.7	4621.20	37116	9.2171 ng/ml
Nordiazepam	5.894	692456	1133.78	56.9	13261.16	227470	101.7233 ng/ml
Norfentanyl	4.083	282302	579.23	37.1	457.78	1208483	9.4839 ng/ml
Norhydrocodone	3.077	143493	208.25	38.3	161.60	79823	94.2812 ng/ml
Noroxycodone	2.920	371905	5883.60	49.5	14788.17	134528	99.3118 ng/ml
O-desmethyl-tramadol	3.376	3602263	2346.29	5.8	6983.12	2071234	98.7981 ng/ml
o-desmethylvenlafaxine	4.079	4384753	61580.72	15.5	934.99	33826	96.1146 ng/ml
Olanzapine	4.482	326319	1218.02	55.5	1390.75	78696	96.9211 ng/ml
Oxazepam	5.749	730780	9870.83	71.7	4650.71	405428	100.9335 ng/ml
Oxycodone	2.852	1088257	2131.65	29.8	594.55	425791	101.0450 ng/ml
Oxymorphone	1.413	312314	∞	48.5	∞	123636	96.6831 ng/ml
Phentermine	3.785	735170	∞	7.4	980.00	850467	102.5134 ng/ml
Promethazine	5.544	1824650	19140.56	32.3	863.29	903495	97.9771 ng/ml
Pseudoephedrine	2.613	3973015	67001.79	16.8	44442.05	1691964	95.6685 ng/ml
Quetiapine	5.560	2144347	72924.85	57.5	323.93	296570	103.2538 ng/ml
Sertraline	5.776	178721	478.47	97.9	318.04	80238	93.7850 ng/ml
Temazepam	5.817	1481002	1111.96	28.1	2751.67	663653	96.0029 ng/ml
Tramadol	4.245	3242255	1022.20	3.7	467.17	1665657	102.4766 ng/ml
Trazodone	5.171	2536424	64193.30	63.0	58088.55	837635	102.8109 ng/ml
Venlafaxine	5.044	3091077	28042.08	35.7	5630.45	1700368	95.5384 ng/ml
Xylazine	4.083	1229966	78865.56	47.6	2529.36	561524	98.7422 ng/ml
Zolpidem	4.927	3216114	966.57	27.4	38735.20	1277593	106.4918 ng/ml



# AM #28 Multi-Drug Quant. Results

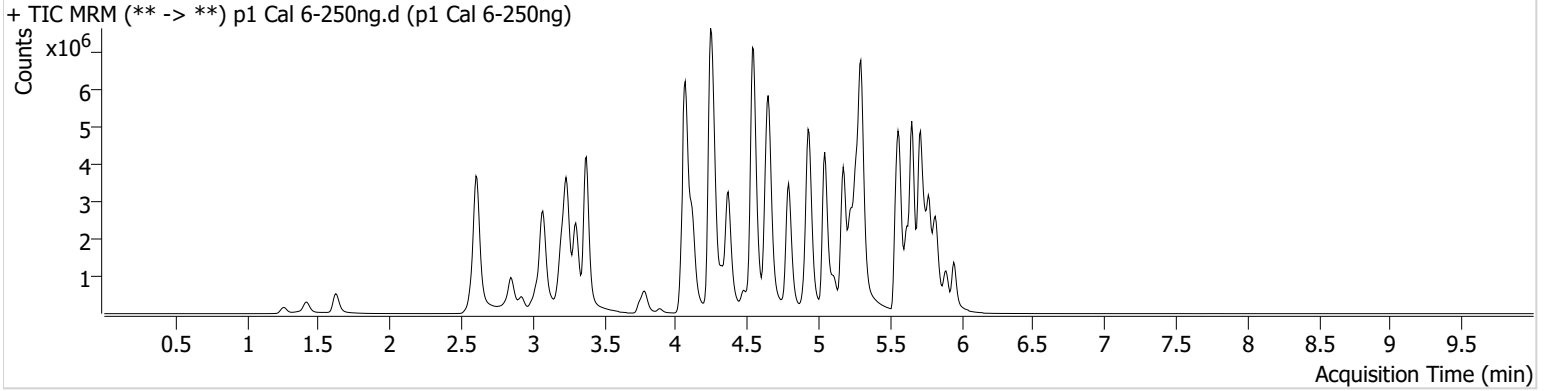
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**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-C12  
**Injection Volume** 2  
**Acq. Date-Time** 2/13/2024 3:08:55 AM  
**Sample Info.**

**Data File** p1 Cal 6-250ng.d  
**Sample** p1 Cal 6-250ng  
**Operator** Celena Shrum

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	3.136	83343	475.72	74.7	297821.84	99630	24.5239 ng/ml
7-aminoclonazepam	4.264	531593	298.43	72.4	229.75	102574	256.5576 ng/ml
9-hydroxyrisperidone	4.651	220403	202806.65	3755.0	11383.22	1275668	250.5353 ng/ml
a-hydroxyalprazolam	5.692	394192	∞	67.3	121.07	80312	250.5734 ng/ml
alpha-PHP	4.943	1227782	2973.70	261.0	65817.80	805296	243.1521 ng/ml
alpha-PVP	4.369	5234964	∞	50.6	136443.92	805296	249.8000 ng/ml
Alprazolam	5.775	2163789	∞	105.3	624.22	338502	262.9434 ng/ml
Amphetamine	3.074	5957601	2044.85	43.6	159228.40	391740	222.6712 ng/ml
Benzoylcegonine	3.889	124653	4646.61	35.7	394.87	17676	248.7988 ng/ml
Bromazolam	5.814	745934	996579.80	127.9	612022.50	140238	247.4760 ng/ml
Buprenorphine	5.861	144213	122534.58	15.4	26518.98	207247	24.9727 ng/ml
Bupropion	4.792	5337354	141240.71	69.8	1551.00	592446	246.2515 ng/ml
Carisoprodol	5.723	1605380	14249.23	59.5	9118.67	256564	247.6234 ng/ml
Citalopram	5.220	3658440	56458.12	34.1	15917.16	596307	255.4012 ng/ml
Clonazepam	5.611	1309734	52862.41	35.5	52136.34	88526	238.9342 ng/ml
Clonazolam	5.554	1025888	6045.47	40.2	396438.63	88526	206.7307 ng/ml
Cocaine	4.264	3392738	6424803.44	51.7	81868.90	1091519	250.9140 ng/ml
Codeine	2.589	305048	552.42	99.2	17338.17	76306	236.9344 ng/ml
Cyclobenzaprine	5.627	2613871	144848.87	8.7	1100.46	475971	248.9586 ng/ml
Dextromethorphan	5.277	2139007	17316.70	78.4	41328.22	412737	249.4737 ng/ml
Dextrorphan	4.116	1470381	82374.94	214.7	27941.28	695709	252.0086 ng/ml
Diazepam	5.947	1421018	9675.97	90.5	25689.48	268967	243.0957 ng/ml
Dihydrocodeine	2.568	1021718	108426.60	65.4	16141.33	277666	237.0720 ng/ml
Diphenhydramine	5.298	10451774	107060.66	29.3	72316.37	1853822	261.1435 ng/ml
Doxylamine	4.545	10641556	226482.00	94.2	174651.74	1781635	265.1559 ng/ml
Duloxetine	5.647	166142	134317.13	12.3	1287.36	35130	265.2640 ng/ml
EDDP	5.263	3630018	581.17	41.4	21314.29	722244	248.5845 ng/ml
Etizolam	5.814	1043067	16680.36	27.3	6513.33	88526	254.7232 ng/ml
Fentanyl	5.110	381332	134.80	74.6	220202.59	788566	25.2428 ng/ml
Fluorofentanyl	5.164	874769	12813.61	41.0	3911.46	5851	26.3188 ng/ml
Fluoxetine	5.707	1838684	140200.14	7.2	8262.35	271451	249.9445 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	1489255	∞	37.3	820.88	331196	251.3208 ng/ml
Hydromorphone	1.622	1000956	1740.72	77.7	3464333.94	130213	249.1168 ng/ml
Hydroxyzine	5.704	3511215	1929525.64	81.6	81517.42	412737	255.6597 ng/ml
Ketamine	4.048	2831880	1501.92	35.1	676.37	536350	243.5358 ng/ml
Lamotrigine	4.287	255922	323.57	87.5	3550.84	1434827	2501.5305 ng/ml
Lorazepam	5.740	630071	11598.08	52.5	275.75	220758	230.8980 ng/ml
MDA	3.208	3050370	54557.33	31.2	7108.81	471061	243.1108 ng/ml
MDMA	3.302	3193091	99349.51	95.6	17465.88	133979	257.0293 ng/ml
Meprobamate	4.909	660584	255.31	33.9	86.37	168012	189.9928 ng/ml
Methadone	5.652	6867190	75123.61	48.5	53025.40	974031	256.0309 ng/ml
Methamphetamine	3.243	7245352	40659.79	37.2	875.94	1144146	249.6263 ng/ml
Metoprolol	4.326	935024	55860.14	104.9	9008.55	1459242	253.7802 ng/ml
Mirtazapine	4.634	6155284	165138.59	51.1	2206.29	805296	252.3501 ng/ml
Mitragynine	5.239	1352658	1630220.86	35.0	465.50	974031	255.0450 ng/ml
Morphine	1.261	166106	377.28	35.1	319.06	8834	253.2744 ng/ml
Norbuprenorphine	4.992	16762	181.16	96.7	55402.31	34352	25.2772 ng/ml
Nordiazepam	5.894	1306931	∞	57.6	359.72	169742	257.3117 ng/ml
Norfentanyl	4.083	521987	11160.60	38.8	318.69	848730	24.7825 ng/ml
Norhydrocodone	3.070	347713	261.09	39.7	513.35	71152	253.5640 ng/ml
Noroxycodone	2.920	820612	3332.65	49.7	7652.99	117647	250.2765 ng/ml
O-desmethyl-tramadol	3.376	8596229	537305.97	5.8	312.61	1869595	260.2334 ng/ml
o-desmethylvenlafaxine	4.076	8888228	66624.46	15.4	5862.11	25749	254.8650 ng/ml
Olanzapine	4.475	991846	5227.30	54.7	1522.30	90920	254.5937 ng/ml
Oxazepam	5.749	988569	5306.00	71.9	2512.76	220758	251.0485 ng/ml
Oxycodone	2.845	2591042	1312.25	29.6	11725.53	401566	255.0643 ng/ml
Oxymorphone	1.413	722079	∞	47.6	740.85	112482	245.7759 ng/ml
Phentermine	3.785	1568683	4918.96	7.2	2401.01	786715	237.5839 ng/ml
Promethazine	5.544	4579120	83472.03	31.9	1449.22	856816	258.2759 ng/ml
Pseudoephedrine	2.613	8940253	296877.68	16.3	1850.48	1434827	252.5414 ng/ml
Quetiapine	5.560	4686481	63922.46	59.0	35129.93	266723	250.9357 ng/ml
Sertraline	5.776	420479	822.85	94.8	123228.53	74155	237.9259 ng/ml
Temazepam	5.824	2242537	1544.47	27.7	376.83	385992	248.9343 ng/ml
Tramadol	4.245	7440950	1459.07	3.6	158.97	1459242	268.5338 ng/ml
Trazodone	5.171	5741272	1330.05	65.4	127827.60	796425	245.3298 ng/ml
Venlafaxine	5.044	7454442	53705.94	34.3	1325.16	1519396	256.2326 ng/ml
Xylazine	4.083	2747382	2098.82	49.8	1175.01	487048	253.5848 ng/ml
Zolpidem	4.927	7332096	3090.15	27.0	862.95	1203143	258.3330 ng/ml



# AM #28 Multi-Drug Quant. Results

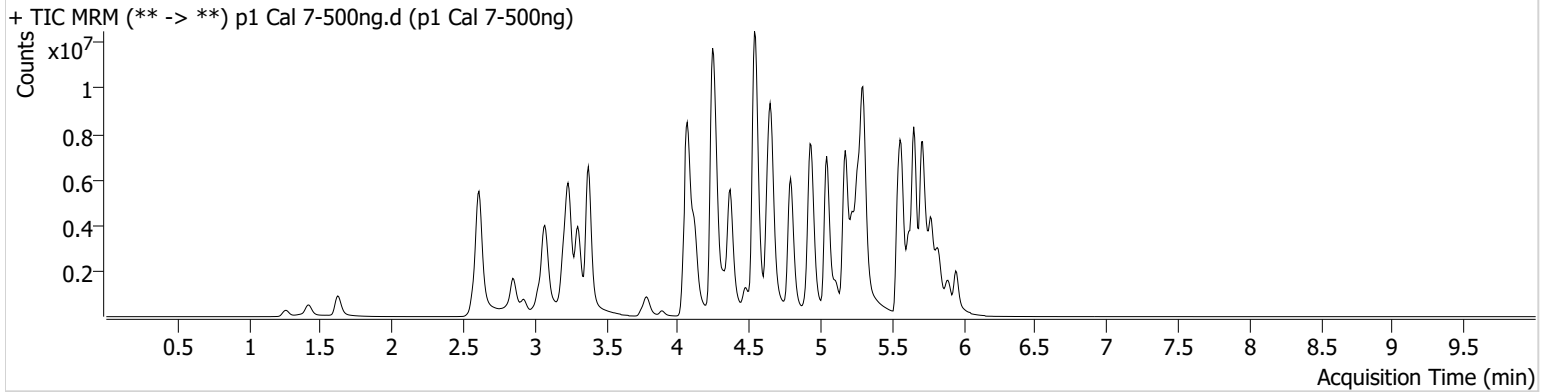
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**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-B12  
**Injection Volume** 2  
**Acq. Date-Time** 2/13/2024 3:19:33 AM  
**Sample Info.**

**Data File** p1 Cal 7-500ng.d  
**Sample** p1 Cal 7-500ng  
**Operator** Celena Shrum

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	3.136	157023	2664.07	73.0	6305.65	91407	50.3406 ng/ml
7-aminoclonazepam	4.271	648838	3637.59	74.4	1544.78	66154	485.4343 ng/ml
9-hydroxyrisperidone	4.651	383936	183288.97	3911.0	296922.58	1087856	510.9753 ng/ml
a-hydroxyalprazolam	5.692	487051	625.19	66.3	300.96	53446	465.7954 ng/ml
alpha-PHP	4.943	1974942	19015.53	259.9	83810.79	707588	445.3582 ng/ml
alpha-PVP	4.369	9573193	8471.45	50.0	716.78	707588	519.2629 ng/ml
Alprazolam	5.775	3130223	434.42	107.7	720.11	250393	513.6593 ng/ml
Amphetamine	3.074	9078152	57746.69	44.3	1215.22	352146	377.8552 ng/ml
Benzoylcegonine	3.889	251302	396.68	37.2	325.95	17125	516.9230 ng/ml
Bromazolam	5.807	994470	31916.01	130.3	1193615.94	98886	468.0182 ng/ml
Buprenorphine	5.861	285858	714941.83	14.2	47666.80	197262	51.9751 ng/ml
Bupropion	4.792	10213299	291365.70	66.3	96869.81	549890	507.4746 ng/ml
Carisoprodol	5.723	1940333	45551.64	65.7	2799.57	145342	527.6192 ng/ml
Citalopram	5.220	5843273	485187.65	33.6	1715349.09	463801	523.7749 ng/ml
Clonazepam	5.604	1596527	18346.92	34.9	9910.68	59896	430.9564 ng/ml
Clonazolam	5.554	1166246	217869.72	39.1	768874.88	59896	347.6334 ng/ml
Cocaine	4.264	5666372	140479.69	51.2	36683.41	902762	506.3693 ng/ml
Codeine	2.589	465409	7060.59	97.5	8520.38	63385	435.3494 ng/ml
Cyclobenzaprine	5.620	4972661	88091.18	8.1	34102.03	416861	539.8392 ng/ml
Dextromethorphan	5.277	3450048	59737.01	77.6	14789.66	327909	506.0761 ng/ml
Dextrorphan	4.116	2449250	13115.51	220.5	26445.29	567839	513.8546 ng/ml
Diazepam	5.947	2342703	255.39	89.6	16016.92	215738	499.4185 ng/ml
Dihydrocodeine	2.568	1721326	14439.12	66.0	19077.92	256047	433.5053 ng/ml
Diphenhydramine	5.298	17422515	110596.27	30.3	∞	1562301	515.9229 ng/ml
Doxylamine	4.539	19957820	180786.76	94.7	128666.28	1653084	535.3349 ng/ml
Duloxetine	5.647	290304	4131.92	12.6	497.81	31806	511.8559 ng/ml
EDDP	5.263	6646925	53035.70	40.0	60830.62	623503	526.6922 ng/ml
Etizolam	5.814	1623223	1653.79	27.4	10096.41	59896	584.7802 ng/ml
Fentanyl	5.104	825999	10248.37	73.4	1940.60	843477	51.0647 ng/ml
Fluorofentanyl	5.164	1628142	65145.79	43.3	2988.29	6107	46.9029 ng/ml
Fluoxetine	5.707	3294599	606977.85	7.5	301605.37	243348	499.4298 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	2699873	∞	37.4	967.68	305582	494.0610 ng/ml
Hydromorphone	1.622	1837571	8040578.29	77.5	4556691.61	119331	498.4527 ng/ml
Hydroxyzine	5.704	6386277	347072.52	81.9	5232274.72	327909	584.2945 ng/ml
Ketamine	4.048	4365117	252687.21	34.1	11161.86	468357	430.4101 ng/ml
Lamotrigine	4.287	363560	19060.21	87.7	644.33	1158071	4405.6122 ng/ml
Lorazepam	5.740	700243	9984.06	51.4	2784.64	115450	491.0849 ng/ml
MDA	3.208	4333300	31162.12	32.0	24397.92	388942	418.6911 ng/ml
MDMA	3.302	5219549	2583.88	100.9	13649.50	109909	511.8940 ng/ml
Meprobamate	4.909	837426	1711.31	33.2	2086.69	140080	288.9693 ng/ml
Methadone	5.652	12212124	662739.00	49.7	82573.41	836230	529.5507 ng/ml
Methamphetamine	3.236	12490669	1003.10	35.9	45415.22	1113737	442.4664 ng/ml
Metoprolol	4.327	1456857	3547.81	107.5	107264.51	1303263	442.8296 ng/ml
Mirtazapine	4.634	10737565	210620.15	49.8	3033.23	707588	501.0115 ng/ml
Mitragynine	5.239	2266040	2305.79	37.0	811609.00	836230	497.5925 ng/ml
Morphine	1.261	300098	843.75	34.7	489.98	8163	495.1070 ng/ml
Norbuprenorphine	4.992	30337	301.03	102.0	63718.96	33372	47.1991 ng/ml
Nordiazepam	5.894	1702973	3084.27	56.6	529.98	116582	488.1844 ng/ml
Norfentanyl	4.090	697607	1012.81	39.1	6677.95	475156	59.0016 ng/ml
Norhydrocodone	3.077	626873	178.05	40.0	110.89	60258	537.9874 ng/ml
Noroxycodone	2.920	1424367	5050.75	49.7	∞	101876	501.4707 ng/ml
O-desmethyl-tramadol	3.376	15594142	287786.08	5.8	8596.20	1653659	533.1115 ng/ml
o-desmethylvenlafaxine	4.077	12871593	148291.09	15.5	7505.85	18490	513.3197 ng/ml
Olanzapine	4.476	2012951	4946.90	57.0	5436.88	92077	509.9632 ng/ml
Oxazepam	5.749	997250	11625.36	73.0	13763.17	115450	484.4404 ng/ml
Oxycodone	2.845	4776377	3477.56	29.7	11112.08	382065	494.1722 ng/ml
Oxymorphone	1.413	1296381	∞	48.3	∞	96957	511.9601 ng/ml
Phentermine	3.785	2450161	∞	7.3	4522.60	729053	401.0238 ng/ml
Promethazine	5.544	8949329	438623.89	31.6	1085.58	840704	513.8387 ng/ml
Pseudoephedrine	2.613	15055245	54276.17	15.9	54399.65	1158071	526.0434 ng/ml
Quetiapine	5.560	7729664	94847.75	58.5	63745.89	224554	491.6179 ng/ml
Sertraline	5.776	879862	165.91	91.4	171.60	64186	574.4414 ng/ml
Temazepam	5.824	2433231	12619.20	27.9	4075.65	200946	518.1555 ng/ml
Tramadol	4.245	12122165	∞	3.8	367.24	1303263	489.8728 ng/ml
Trazodone	5.171	10672675	335155.95	68.4	208701.08	836191	434.6843 ng/ml
Venlafaxine	5.044	13591874	103318.97	33.2	21421.57	1325879	534.3516 ng/ml
Xylazine	4.076	4820132	89897.69	50.0	26928.62	421392	513.7605 ng/ml
Zolpidem	4.927	12640540	156790.88	26.1	35925.42	1125027	476.6048 ng/ml





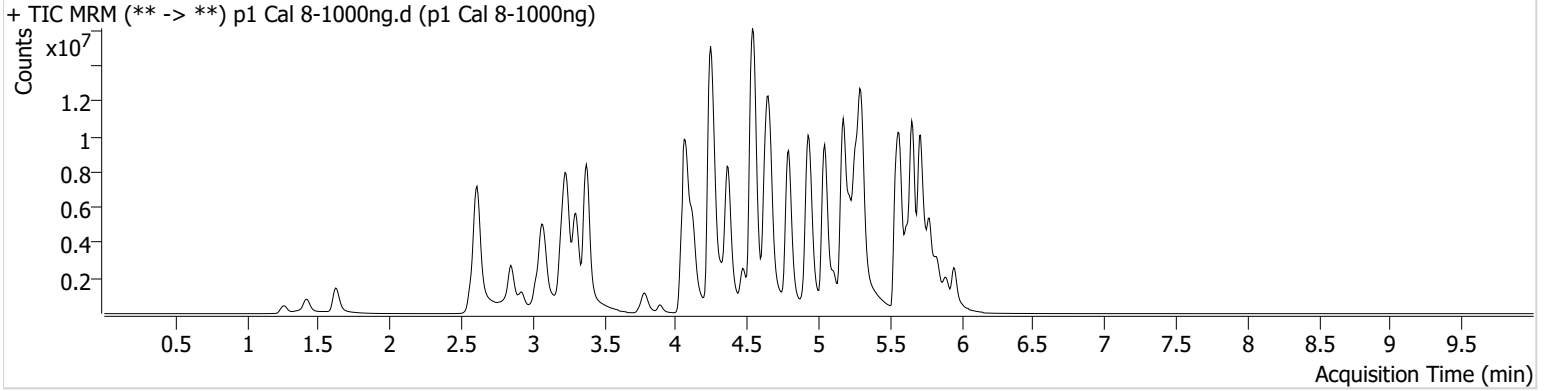
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\021224 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 2/15/2024 9:25:36 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** Celena Shrum  
**Sample Position** P2-A12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 2/13/2024 3:30:10 AM  
**Sample Info.**

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

### Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	275189	2335.25	69.4	337.99	76596	105.2623 ng/ml
7-aminoclonazepam	4.271	620507	8402.78	75.9	2039.47	31290	981.3686 ng/ml
9-hydroxyrisperidone	4.651	593389	2630.39	3818.9	190616.50	832907	1030.6897 ng/ml
a-hydroxyalprazolam	5.692	518940	548.48	69.2	650.49	32193	824.4360 ng/ml
alpha-PHP	4.943	2665379	52097.01	257.7	2216.68	575292	739.4568 ng/ml
alpha-PVP	4.369	15675838	7838.31	50.4	286739.97	575292	1045.2233 ng/ml
Alprazolam	5.775	4132430	225.80	105.7	358.46	168842	1005.0728 ng/ml
Amphetamine	3.074	12239705	68383.63	44.3	156763.61	289079	620.9601 ng/ml
Benzoylcegonine	3.889	508715	25418.41	37.1	19965.82	18410	972.7344 ng/ml
Bromazolam	5.814	1193390	30447.85	133.1	578980.20	57782	961.2930 ng/ml
Buprenorphine	5.861	503556	322240.28	15.2	923.93	167057	108.0810 ng/ml
Bupropion	4.792	16778773	293212.78	66.2	58517.69	475063	964.8357 ng/ml
Carisoprodol	5.730	2191841	12127.66	62.7	2559.24	79361	1090.8786 ng/ml
Citalopram	5.220	8026012	174813.89	33.4	254472.36	320978	1038.8980 ng/ml
Clonazepam	5.604	1644253	61921.62	34.0	11293.61	35149	756.7726 ng/ml
Clonazolam	5.568	1119257	485293.60	39.0	260248.97	35149	568.7747 ng/ml
Cocaine	4.264	8123555	1658.74	50.8	685.18	642749	1019.3119 ng/ml
Codeine	2.589	642608	234.03	97.0	∞	47749	798.1121 ng/ml
Cyclobenzaprine	5.620	7076694	70180.21	8.0	708.86	302325	1058.5381 ng/ml
Dextromethorphan	5.271	4535810	∞	76.5	18382.28	212793	1024.8800 ng/ml
Dextrorphan	4.116	3647759	10500.69	222.4	64797.50	421616	1030.2860 ng/ml
Diazepam	5.954	3319472	5321.50	88.1	9820.29	151438	1007.8886 ng/ml
Dihydrocodeine	2.568	2508034	∞	69.0	28821.94	240197	673.5647 ng/ml
Diphenhydramine	5.298	24588667	152826.27	31.7	108084.02	1122977	1012.3770 ng/ml
Doxylamine	4.539	29567224	221882.73	96.0	205970.47	1408084	930.6314 ng/ml
Duloxetine	5.647	279290	845.79	12.7	7439.45	17065	917.7303 ng/ml
EDDP	5.263	11310818	196275.21	40.4	49535.71	536677	1040.7507 ng/ml
Etizolam	5.814	2251098	20655.14	27.5	545707.93	35149	1380.7796 ng/ml
Fentanyl	5.104	1534917	3103.11	74.2	145126.05	767832	104.1851 ng/ml
Fluorofentanyl	5.158	2596862	89462.88	43.1	22820.41	5198	87.8662 ng/ml
Fluoxetine	5.707	3967749	194583.95	7.3	25426.65	143005	1023.3599 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.023	4509298	10314.74	35.2	∞	277303	909.5442 ng/ml
Hydromorphone	1.622	3169530	9382248.70	78.0	4102580.11	102831	997.1301 ng/ml
Hydroxyzine	5.704	9151032	16226.28	83.1	69231.07	212793	1289.2436 ng/ml
Ketamine	4.041	5632701	104953.16	33.6	7938.91	382210	680.9745 ng/ml
Lamotrigine	4.287	430134	65388.43	88.3	52270.95	842399	7167.8281 ng/ml
Lorazepam	5.747	797580	20870.00	54.9	7793.34	60611	1065.8533 ng/ml
MDA	3.201	5838131	23744.74	31.0	34769.07	291028	754.3352 ng/ml
MDMA	3.302	8037997	120207.91	96.4	5217.34	89354	969.4066 ng/ml
Meprobamate	4.902	926211	13027.19	32.8	320.44	113590	394.2020 ng/ml
Methadone	5.659	17829506	146211.74	51.9	97545.45	647595	997.6888 ng/ml
Methamphetamine	3.236	18886710	74708.38	35.5	2437.41	1000554	745.0493 ng/ml
Metoprolol	4.327	1985363	41537.10	106.5	4763.71	1042713	754.3568 ng/ml
Mirtazapine	4.627	16305706	193620.27	49.2	55726.66	575292	935.7906 ng/ml
Mitragynine	5.239	3171705	549469.26	35.6	2413.01	647595	899.2665 ng/ml
Morphine	1.261	503423	269.27	35.2	∞	7115	952.6736 ng/ml
Norbuprenorphine	4.992	55878	214.95	100.6	71670.80	28116	103.3342 ng/ml
Nordiazepam	5.894	2069926	133682.39	57.0	12057.70	71852	962.7924 ng/ml
Norfentanyl	4.090	778632	746.63	38.6	1469.71	230257	135.7480 ng/ml
Norhydrocodone	3.070	1038983	146.77	40.8	473.64	45949	1167.4611 ng/ml
Noroxycodone	2.920	2274275	4705.89	48.6	812.27	82776	985.2590 ng/ml
O-desmethyl-tramadol	3.379	23209511	212682.34	6.3	65199.68	1343468	976.1688 ng/ml
o-desmethylvenlafaxine	4.061	15074418	115167.44	16.0	2066.10	9978	1113.2249 ng/ml
Olanzapine	4.469	4204449	34141.87	59.7	132796.32	100851	972.2740 ng/ml
Oxazepam	5.749	1015187	10542.69	71.2	3521.55	60611	939.5361 ng/ml
Oxycodone	2.845	8289723	893.59	29.6	3770.34	343089	955.0847 ng/ml
Oxymorphone	1.413	2314067	1482.02	48.3	1137.27	90608	977.9355 ng/ml
Phentermine	3.785	3699586	1623.36	7.2	7477.90	647477	682.4097 ng/ml
Promethazine	5.544	13844001	2762.92	30.9	49467.41	642782	1039.0035 ng/ml
Pseudoephedrine	2.616	22920365	494278.39	15.8	77624.07	842399	1100.0925 ng/ml
Quetiapine	5.567	11116104	135684.41	60.0	23533.36	174530	909.6567 ng/ml
Sertraline	5.783	912648	268.95	92.4	11356.15	35671	1071.6982 ng/ml
Temazepam	5.831	2567893	308.95	27.5	217.88	101276	1084.3009 ng/ml
Tramadol	4.238	17144597	529.81	3.9	104.03	1042713	865.9994 ng/ml
Trazodone	5.171	16373092	103420.86	72.8	86393.88	775667	719.1596 ng/ml
Venlafaxine	5.044	20663510	177924.40	34.1	35944.38	1021681	1053.3204 ng/ml
Xylazine	4.076	7640433	144766.94	50.0	61940.90	336600	1019.0722 ng/ml
Zolpidem	4.927	19224176	4915.24	26.5	226221.12	998979	816.5607 ng/ml